α2-adrenergic receptors
Msti_m.26298
Xboc_m.19526
XP_013383118_Lingula
XP_014681069.1_Priapulus_AA2
APC23843.1_Platynereis_AA2
XP_013096124.1_Biomphalaria_glabrata_Biomphalaria
XP_012943687.1_Aplysia_californica_Aplysia
XP_011433775.1_Crassostrea_gigas_Crassostrea
XP_014767930.1_Octopus_bimaculoides_Octopus
EFX76926_Daphnia
KF460458.1_Chilo_suppressalis_Oa
XP_006609424_Apis
XP_008198464.2_Tribolium_castaneum
XP_014242340.1_Cimex_lectularius_Cimex
XP_002734932.1_Saccoglossus_kowalevskii_AA2
XP_002595000_Branchiostoma
XP_003217630_Anolis
XP_007420380_Python
XP_004912925_Xenopus
ADRA2_CARAU_Carassius
CDQ85392_Oncorhynchus
XP_010895107_Esox
XP_015718435_Coturnix
XP_006011954_Latimeria
XP_002663705_Danio
CDQ90138_Oncorhynchus
CDQ73934_Oncorhynchus
XP_014026328
XP_007234270_Astyanax
XP_015262427_Gekko
XP_010350316_Saimiri
XP_005235799_Falco
XP_007905605_Callorhinchus
XP_014059545_Salmo
XP_013986063_Salmo
XP_015463451_Astyanax
XP_005983264_Pantholops
ERE78076
XP_015350355_Marmota
XP_015262234_Gekko
XP_013875010_Austrofundulus
XP_012697346_Clupea
XP_007903477_Callorhinchus
XP_010886433_Esox
XP_005813740_Xiphophorus
XP_007236033_Astyanax
XP_002605761_Branchiostoma
CAL36767_Branchiostoma
XP_002605760.1
tyramine type-1 receptors
XP_002742354.2_Saccoglossus_T1-2
Msti_m.20273
Xboc_m.13939
Xboc_m.10057
XP_006822832_Saccoglossus
XP_014776496.1_Octopus_bimaculoides
XP_014672793_Priapulus
AKQ63052.1_Platynereis_dumerilii_T1
ELT94407.1_Capitella_teleta
NP_001024335.1_Caenorhabitis_elegans_T1
XP_011451309.1_Crassostrea_gigas
XP_001944003.2_octopamine
CAA64865.1_Bombyx_mori_T1
KNC24708.1_Lucilia_cuprina
XP_011202418.1_Bactrocera_dorsalis
XP_002068046.2_Drosophila_willistoni
KFB51134.1_Anopheles_sinensis
ETN58983.1_Anopheles_darlingi
XP_312420.3_Anopheles_gambiae_str._PEST
XP_001863342.1_Culex_quinquefasciatus
XP_002426131.1_Pediculus_humanus_corporis
XP_008472990.1_Diaphorina_citri
ALM55746.1_Sitophilus_oryzae
XP_014278335.1_Halyomorpha_halys
KOB71731.1_Operophtera_brumata
XP_011562493.1_Plutella_xylostella
NP_001164311.1_Tribolium_castaneum
KDR16544.1_Zootermopsis_nevadensis
KDR16545.1_Zootermopsis_nevadensis
XP_014481134.1_Dinoponera_quadriceps
XP_014235818.1_Trichogramma_pretiosum
XP_008206976.1_Nasonia_vitripennis
Q25321.1_Locusta_migratoria_T1
CAQ48240.1_Periplaneta_americana_T1
ABY71758.1_Macrobrachium_rosenbergii
XP_015917655.1_Parasteatoda
XP_002415939.1_Ixodes_scapularis
XP_013784920.1_Limulus_polyphemus
XP_013791379_Limulus
EF490687.1_Rhipicephalus_microplus_T1
Xboc_m.21892
tyramine type-2 receptors
XP_014678717.1_Priapulus_caudatus
XP_006812999.1_Saccoglossus_kowalevskii_T2B
XP_002734062.1_Saccoglossus_kowalevskii_T2A
XP_014778476.1_Octopus_bimaculoides
ELU14919.1_Capitella_teleta
KU715093_Platynereis_dumerilii_T2
XP_004529356.1_Ceratitis_capitata
XP_002096110.1_Drosophila_yakuba
KNC22330.1_Lucilia_cuprina
XP_011293189.1_Musca_domestica
XP_013112135.1_Stomoxys_calcitrans
XP_001998427.2_Drosophila_mojavensis
ETN64745.1_Anopheles_darlingi
XP_004529353.2_Ceratitis_capitata
XP_001998428.2_Drosophila_mojavensis
XP_004529355.2_Ceratitis_capitata
XP_001954230.1_Drosophila_ananassae
XP_001359694.4_Drosophila_pseudoobscura_pseudoobscura
XP_013112132.1_Stomoxys_calcitrans
KNC22325.1_Lucilia_cuprina
KFB41294.1_Anopheles_sinensis
ETN64509.1_Anopheles_darlingi
XP_014207104.1_Copidosoma_floridanum
XP_014235895.1_Trichogramma_pretiosum
XP_011500363.1_Ceratosolen_solmsi_marchali_5HTR
KOX76145.1_Melipona_quadrifasciata
KOC70478.1_Habropoda_laboriosa
XP_012257334.1_Athalia_rosae
XP_013142077.1_Papilio_polytes
ERL83362.1_Dendroctonus_ponderosae
XP_008197781.1_Tribolium_castaneum
DAA64505.1_Tribolium_castaneum
AHN85846.1_Nicrophorus_vespilloides
XP_002429476.1_Pediculus_humanus_corporis
KDR18992.1_Zootermopsis_nevadensis
XP_008475339.1_Diaphorina_citri
XP_015368899
XP_013786964.1_Limulus_polyphemus
α1-adrenergic receptors
Msti_m.26958
Msti_m.21331
ALR88680.1_Saccoglossus_AA1-1
XP_003726237_Strongylocentrotus
XP_014662992.1_Priapulus_caudatus_AA1
XP_014663408_Priapulus
XP_015598849_Cephus
EFX64650_Daphnia
XP_003748403_Metaseiulus
XP_013787844_Limulus
XP_014777674_Octopus
APC23842.1_Platynereis_AA1
XP_009050255_Lottia
XP_011422115_Crassostrea
XP_012936806_Aplysia
AAA35496.1_Homo_sapiens_AA1A
XP_009993014_Chaetura
XP_010795024_Notothenia
CDQ72256_Oncorhynchus
XP_014051077_Salmo
KTG32062_Cyprinus
XP_007896221_Callorhinchus
XP_003782039_Otolemur
KTF87842_Cyprinus
XP_011478573_Oryzias
XP_01090054_Esox
XP_012697555_Clupea
KTG31243_Cyprinus
XP_002933012_Xenopus
XP_004665892_Jaculus
XP_006625863_Lepisosteus
XP_008334310_Cynoglossus
XP_015827734.1_Nothobranchius_furzeri
XP_006010360_Latimeria
octopamine α receptors
XP_006823182.1_Saccoglossus_kowalevskii_Oa
XM_013530280.1_Lingula_anatina
KU530199_Platynereis_dumerilii_Oa
XP_014675454.1_Priapulus_caudatus
XP_014772693.1_Octopus_bimaculoides
XP_009058244.1_Lottia_gigantea
U62771.1_Lymnaea_stagnalis_Oa
XP_012937854.1_Aplysia_californica
XP_013790352_Limulus
XP_013772246_Limulus
GU074418.1_Balanus_improvisus_Oa
XP_014291339.1_Halyomorpha_halys
XP_014253839.1_Cimex_lectularius
XP_002429940.1_Pediculus_humanus_corporis
XP_014225936.1_Trichogramma_pretiosum
XP_011303410.1_Fopius_arisanus
XP_011702891.1_Wasmannia_auropunctata
CAD67999.1_Apis_mellifera_Oa
AAP93817.1_Periplaneta_americana_Oa
XP_011185898.1_Bactrocera_cucurbitae
XP_011185894.1_Bactrocera_cucurbitae
XP_012156222.1_Ceratitis_capitata
XP_002096452.2_Drosophila_yakuba
XP_013110682.1_Stomoxys_calcitrans
XP_011291813.1_Musca_domestica
AAC17442.1_Drosophila_melanogaster_Oa
XP_001994470.1_Drosophila_grimshawi
XP_311113.4_Anopheles_gambiae_str._PEST
EGK96547.1_Anopheles_gambiae_Oa
XP_001869401.1_Culex_quinquefasciatus
XP_001648244.2_Aedes_aegypti
ERL88449.1_Dendroctonus_ponderosae
AHN85844.1_Nicrophorus_vespilloides
NP_001280520.1_Tribolium_castaneum
EHJ74631.1_Danaus_plexippus
Xboc_m.20509
octopamine β receptors
XP_002733926.1_Saccoglossus_kowalevskii_Ob
KU886229_Platynereis_dumerilii
ELT86969.1_Capitella_teleta
XP_011448928.1_Crassostrea_gigas
AY055377.1_Spisula_solidissima_Ob
XP_014771877.1_Octopus_bimaculoides
AF117654.1_Aplysia_kurodai_Ob
FC563777.1_Lottia_gigantea
XP_013389322.1_Lingula_anatina
GU074422.1_Balanus_improvisus_Ob
AEO17899.1_Drosophila_melanogaster
KNC25005.1_Lucilia_cuprina
XP_014088159.1_Bactrocera_oleae
XP_001947781.1_Acyrthosiphon_pisum
XP_012269188.1_Athalia_rosae
XP_011349656.1_Cerapachys_biroi
NP_001280514.1_Tribolium_castaneum
XP_011557485.1_Plutella_xylostella
XP_002422997.1_Pediculus_humanus_corporis
XP_014241423.1_Cimex_lectularius
GU074421.1_Balanus_improvisus_Ob
XP_001948521.2_Acyrthosiphon_pisum
NP_001280505.1_Tribolium_castaneum
HF548211.1_Apis_mellifera_Ob
HF548212.1_Apis_mellifera_Ob
GU074419.1_Balanus_improvisus_Ob
GU074420.1_Balanus_improvisus_Ob
EFX87996.1_Daphnia_pulex
JN620367.1_Chilo_suppressalis_Ob
Q4LBB9.2_Drosophila_melanogaster_Ob
KNC25006.1_Lucilia_cuprina
XP_011294329.1_Musca_domestica
AHN85842.1_Nicrophorus_vespilloides
XP_008207151
XP_012343074
XP_014671143.1_Priapulus_caudatus_Ecdysozoa
Dopamine receptors
Msti_m.23488
CAL36658.1_Branchiostoma_floridae
XP_006825733.1_Saccoglossus
XP_013419306.1_Lingula_anatina
XP_011417061.1_Crassostrea_gigas
XP_013063747.1_Biomphalaria_glabrata
XP_005099999.1_Aplysia_californica
XP_014768037.1_Octopus_bimaculoides
XP_014663547.1_Priapulus_caudatus
NP_001155849.1_Nasonia_vitripennis
XP_014233405.1_dopamine
XP_014297585.1_Microplitis_demolitor
XP_013186105.1_Amyelois_transitella
BAM15635.1_Gryllus_bimaculatus
AJF34871.1_Culex_quinquefasciatus
XP_014260659.1_Cimex_lectularius
XP_008178377.1_Acyrthosiphon_pisum
AFC88980.1_Rhipicephalus_microplus
XP_013783833.1_Limulus_polyphemus
XP_013774755.1_Limulus_polyphemus
XP_015791409_Tetranychus_urticae
Msti_m.14301
β adrenergic receptors
XP_002122923.1_Ciona_intestinalis_beta-2_adrenergic
deuterostomia_gi_724933078_ref_XP_010383600.1_
XP_007260201_beta-1_adrenergic
XP_006000436
XP_007903898_beta-1_adrenergic
NP_000675.1_Homo_sapiens
XP_013918020_beta-1_adrenergic
XP_015818613.1_Nothobranchius_furzeri_beta-1_adrenergic
XP_006002873_beta-1_adrenergic
XP_00790621_Callorhinchus
XP_013873112_beta-2_adrenergic
XP_007553424_beta-2_adrenergic
XP_006784977_beta-2_adrenergic
XP_010869486_beta-2_adrenergic
XP_007231763-beta-2-adrenergic
XP_015204860_Lepisosteus
KPP77020_Scleropages
XP_014054344_Salmo
XP_004073575_Oryzias
XP_013870150_Austrofundulus
XP_015232667_beta-2_adrenergic
KPP58190_beta-2-adrenergic
XP_015262106_Gekko
NP_001085791_Xenopus
CAA06539.1_Myxine_glutinosa
CAA06540.1_Petromyzon_marinus
CAA06541.1_Petromyzon_marinus
XP_013397587.1_5HTR_1A_Lingula
XP_011674268.1_5HTR_1D_Strongylocentrotus
XP_012695048.1_5HTR_7_Clupea
XP_007244750.1_5HTR_7_Astyanax
XP_007568067.2_5HTR_7_Poecilia
XP_006643246.1_5HTR_7_Lepisosteus
XP_005997495.1_5HTR_7_Latimeria
XP_018584957.1_5HTR_7_Scleropages
XP_014096646.1_5HTR_1_Bactrocera
XP_003436743.1_Anopheles
XP_001866051.1_Culex
XP_014281330.1_5HTR_1
XP_014678386.1_5HTR_1D_Priapulus
XP_014663879.1_5HTR_1B_Priapulus
XP_014788935.1_5HTR_1_Octopus
XP_009020628.1
XP_013378759.1_5HTR_1A_Lingula
XP_009066515.1_Lottia
XP_012940601.1_5HTR_1A_Aplysia
XP_006820691.1_5HTR_1A_Saccoglossus
XP_002601117.1_Branchiostoma
XP_013074022.1_5HTR_1D_Biomphalaria
XP_009028850.1_Helobdella
XP_009066850.1_Lottia
XP_011455576.1_Crassostrea
XP_015905348.1_5HTR_2B_Parasteatoda
XP_003742827.1_5HTR_2B_Metaseiulus
XP_002404998.1_Ixodes
XP_015924596.1_5HTR_2A_Parasteatoda
XP_002405023.1_Ixodes
XP_013789173.1_5HTR_2B_Limulus
XP_013789181.1_5HTR_2A_Limulus
XP_013791278.1_5-hydroxytryptamine
XP_013789239.1_Limulus
XP_013781760.1_5HTR_2A_Limulus
XP_013785454.1_5HTR_2A_Limulus
XP_013775446.1_5HTR_2A_Limulus
XP_013777810.1_5HTR_2A_Limulus
XP_013115395.1_5HTR_2B_Stomoxys
XP_014294529.1_5HTR_2A_Halyomorpha
XP_015113987.1_5HTR_2A_Diachasma
XP_015523714.1_Neodiprion
XP_011347974.1_5HTR_2A_Cerapachys
XP_012282343.1_Orussus
XP_015838795.1_5HTR_isoform
XP_014679417.1_Priapulus
XP_008322888.1_5HTR_1A-beta_Cynoglossus
XP_010731295.1_5HTR_1A_Larimichthys
XP_017322775.1_5HTR_1A_Ictalurus
XP_008401851.1_5HTR_1F_Poecilia
XP_016341876.1_5HTR_1F_Sinocyclocheilus
XP_018584792.1_5HTR_1F_Scleropages
XP_016089563.1_5HTR_1F_Sinocyclocheilus
XP_012688903.1_5HTR_1F_Clupea
XP_018598909.1_5HTR_1F_Scleropages
XP_009090906.1_5HTR_1F_Serinus
XP_012678014.1_5HTR_1E_Clupea
XP_010877910.1_5HTR_1E_Esox
XP_017307091.1_5HTR_1E_Ictalurus
XP_016370122.1_5HTR_1E_Sinocyclocheilus
XP_006626209.2_5HTR_1E_Lepisosteus
XP_007892053.1_5HTR_1E_Callorhinchus
XP_007893173.1_5HTR_1D_Callorhinchus
XP_017330977.1_5HTR_1D_Ictalurus
XP_007886351.1_5HTR_1B_Callorhinchus
XP_018590111.1_5HTR_1B_Scleropages
XP_018599065.1_5HTR_1B_Scleropages
XP_002606172.1_Branchiostoma
XP_002595699.1_Branchiostoma
Msti_m.21580
XP_006814563.1_5HTR_1A-alpha_Saccoglossus
0.5