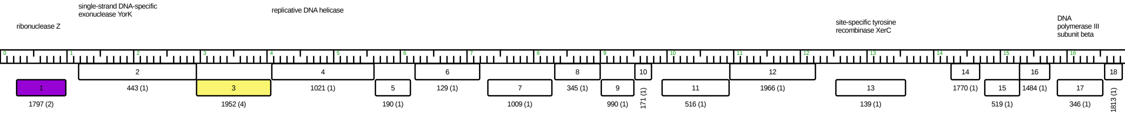
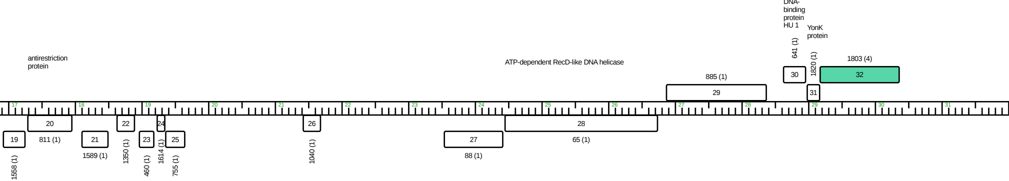
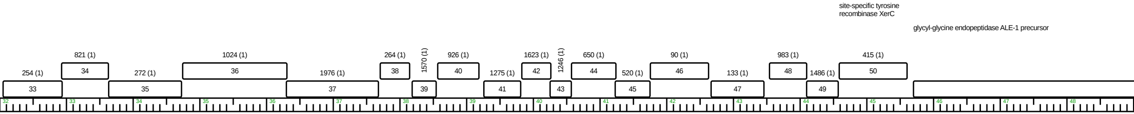
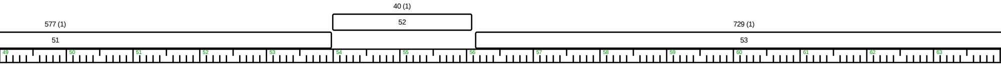
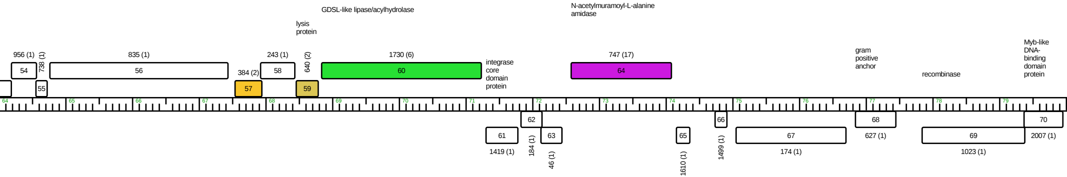
SPbeta-like

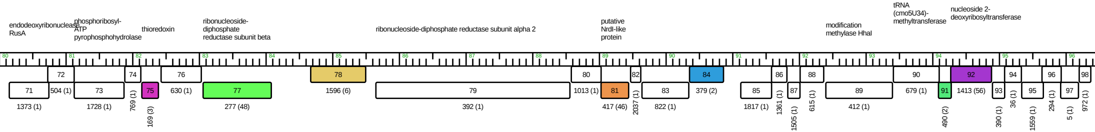

single-strand DNA-specific exonuclease YorK
replicative DNA helicase
ribonuclease Z
site-specific tyrosine recombinase XerC
DNA polymerase III subunit beta
443 (1)
1021 (1)
129 (1)
345 (1)
1966 (1)
1770 (1)
1484 (1)
1797 (2)
1952 (4)
190 (1)
1009 (1)
990 (1)
171 (1)
516 (1)
139 (1)
519 (1)
346 (1)
1813 (1)


antirestriction protein
ATP-dependent RecD-like DNA helicase
DNA-binding protein HU 1
YonK protein
641 (1)
1820 (1)
1803 (4)
885 (1)
811 (1)
1589 (1)
1558 (1)
1350 (1)
460 (1)
1614 (1)
755 (1)
1040 (1)
88 (1)
65 (1)


site-specific tyrosine recombinase XerC
glycyl-glycine endopeptidase ALE-1 precursor
254 (1)
821 (1)
272 (1)
1024 (1)
1976 (1)
264 (1)
1570 (1)
926 (1)
1275 (1)
1623 (1)
1246 (1)
650 (1)
520 (1)
90 (1)
133 (1)
983 (1)
1486 (1)
415 (1)


40 (1)
577 (1)
729 (1)


GDSL-like lipase/acylhydrolase
N-acetylmuramoyl-L-alanine amidase
lysis protein
956 (1)
738 (1)
835 (1)
243 (1)
640 (2)
1730 (6)
747 (17)
384 (2)
integrase core domain protein
gram positive anchor
recombinase
Myb-like DNA-binding domain protein
54
55
56
57
58
59
60
64
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
61
62
63
65
66
67
68
69
70
1419 (1)
184 (1)
46 (1)
1610 (1)
1499 (1)
174 (1)
627 (1)
1023 (1)
2007 (1)


endodeoxyribonuclease RusA
phosphoribosyl-ATP pyrophosphohydrolase
thioredoxin
ribonucleoside-diphosphate reductase subunit beta
ribonucleoside-diphosphate reductase subunit alpha 2
putative NrdI-like protein
modification methylase HhaI
tRNA (cmo5U34)-methyltransferase
nucleoside 2-deoxyribosyltransferase
80
81
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82
83
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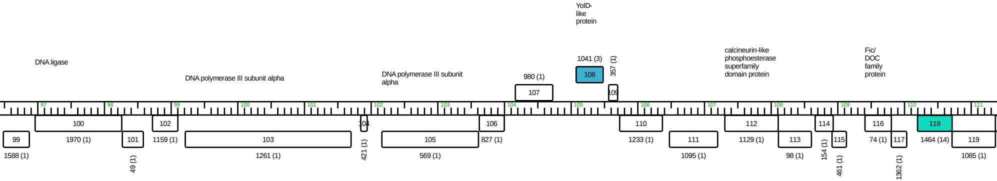
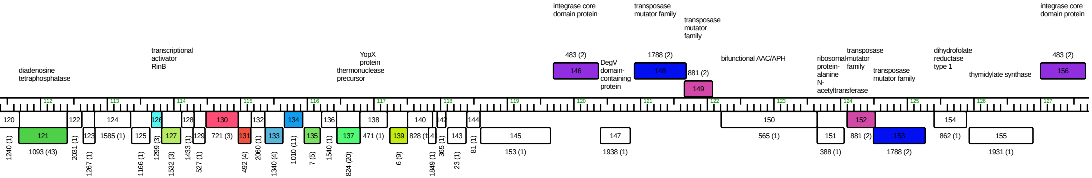
85
86
87
88
89
90
91
92
93
94
95
96
97
98
1373 (1)
504 (1)
1728 (1)
769 (1)
169 (3)
630 (1)
277 (48)
1596 (6)
392 (1)
1013 (1)
417 (46)
2037 (1)
822 (1)
379 (2)
1817 (1)
1361 (1)
1505 (1)
615 (1)
412 (1)
679 (1)
490 (2)
1413 (56)
390 (1)
36 (1)
1559 (1)
294 (1)
5 (1)
972 (1)


YolD-like protein
1041 (3)
108
357 (1)
109
980 (1)
107
DNA ligase
DNA polymerase III subunit alpha
DNA polymerase III subunit alpha
calcineurin-like phosphoesterase superfamily domain protein
Fic/ DOC family protein
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
100
102
104
106
110
112
114
116
118
99
1970 (1)
101
1159 (1)
103
105
827 (1)
1233 (1)
111
1129 (1)
113
115
74 (1)
117
1464 (14)
119
1588 (1)
49 (1)
1261 (1)
421 (1)
569 (1)
1095 (1)
98 (1)
154 (1)
461 (1)
1362 (1)
1085 (1)


integrase core domain protein
transposase mutator family
transposase mutator family
integrase core domain protein
transcriptional activator RinB
YopX protein
thermonuclease precursor
diadenosine tetraphosphatase
483 (2)
146
DegV domain-containing protein
1788 (2)
148
881 (2)
149
bifunctional AAC/APH
ribosomal-protein-alanine N-acetyltransferase
transposase mutator family
transposase mutator family
dihydrofolate reductase type 1
thymidylate synthase
483 (2)
156
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
120
121
122
123
124
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134
135
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137
138
139
140
141
142
143
144
145
147
150
151
152
153
154
155
1240 (1)
1093 (43)
2031 (1)
1267 (1)
1585 (1)
1166 (1)
1299 (3)
1532 (3)
1433 (1)
527 (1)
721 (3)
492 (4)
2060 (1)
1340 (4)
1010 (11)
7 (5)
1540 (1)
824 (20)
471 (1)
6 (9)
828 (1)
1849 (1)
365 (1)
23 (1)
81 (1)
153 (1)
1938 (1)
565 (1)
388 (1)
881 (2)
1788 (2)
862 (1)
1931 (1)