toxin-antitoxin system HicB-like (CDS_0043)
Mok_Hok_Sok__Hok (CDS_0036)
anti-repressor (CDS_0042)
CDS_0039
CDS_0047
CDS_0035
CDS_0037
CDS_0040
CDS_0044
CDS_0046
CDS_0034
CDS_0038
CDS_0041
CDS_0045
CDS_0048
TemPhD_cluster_11585 31720:39239(+)
anti-repressor (CDS_0037)
CDS_0036
toxin-antitoxin system HicB-like (CDS_0038)
TemPhD_cluster_21290 25455:32274(+)
anti-termination protein Q-like (CDS_0042)
CDS_0043
TemPhD_cluster_22744 31715:38288(+)
CDS_0047
anti-repressor (CDS_0053)
CDS_0057
TemPhD_cluster_40697 38119:45638(+)
CDS_0047
CDS_0048
CDS_0054
TemPhD_cluster_48240 35594:45558(+)
CDS_0047
CDS_0052
TemPhD_cluster_41052 34309:44274(+)
anti-termination protein Q-like (CDS_0039)
40
41
42
43
46
TemPhD_cluster_22757 28449:38191(+)
anti-termination protein Q-like (CDS_0039)
40
41
42
43
TemPhD_cluster_24816 28446:38185(+)
NinB/ Orf homologous recombination mediator (CDS_0035)
anti-termination protein Q-like (CDS_0038)
HNH endonuclease (CDS_0037)
28
29
30
34
36
39
40
41
42
TemPhD_cluster_37099_ 25682:38233(+)
anti-termination protein Q-like (CDS_0042)
43
44
45
46
52
TemPhD_cluster_27208 33058:43865(+)
anti-termination protein Q-like (CDS_0040)
41
42
43
44
TemPhD_cluster_9042 28674:40875(+)
anti-termination protein Q-like (CDS_0051)
CDS_0043
CDS_0052
CDS_0053
CDS_0054
TemPhD_cluster_59743 36226:46211(+)
terminase large subunit (CDS_0001)
anti-termination protein Q-like (CDS_0041)
42
43
44
45
terminase small subunit (CDS_0050)
portal protein (CDS_0002)
TemPhD_cluster_33253 29142:2864(+)
RM_Type_II__Type_II_MTases__Type_II_MTases_FAM_0 (CDS_0043)
Retron_I_B__ATPase_TOPRIM_COG3593 (CDS_0044)
35
40
42
45
46
50
1
TemPhD_cluster_49407 29406:1620(+)
RM_Type_II__Type_II_MTases__Type_II_MTases_FAM_0 (CDS_0037)
Retron_I_B__ATPase_TOPRIM_COG3593 (CDS_0038)
33
36
39
40
43
TemPhD_cluster_51514 24430:34575(+)
anti-termination protein Q-like (CDS_0045)
HNH endonuclease (CDS_0043)
CDS_0040
CDS_0039
CDS_0046
CDS_0047
CDS_0048
TemPhD_cluster_27363 32060:41869(+)
CDS_0040
CDS_0038
CDS_0039
CDS_0041
TemPhD_cluster_50345 26755:36880(+)
NinB/ Orf homologous recombination mediator (CDS_0039)
CDS_0038
CDS_0040
TemPhD_cluster_33372 27450:36141(+)
CDS_0040
CDS_0038
CDS_0039
CDS_0041
CDS_0044
CDS_0045
TemPhD_cluster_42205 27768:39267(+)
RecT-like ssDNA annealing protein (CDS_0034)
CDS_0040
CDS_0033
CDS_0038
CDS_0039
CDS_0041
TemPhD_cluster_27760 27438:38920(+)
CDS_0036
CDS_0034
CDS_0035
NinB/ Orf homologous recombination mediator (CDS_0037)
TemPhD_cluster_37737_ 25445:32984(+)
CDS_0048
CDS_0054
CDS_0055
CDS_0060
TemPhD_cluster_18377 37634:47297(+)
CDS_0048
CDS_0049
TemPhD_cluster_42211 32600:40310(+)
CDS_0055
CDS_0056
TemPhD_cluster_31684 38151:46892(+)
CDS_0054
CDS_0055
TemPhD_cluster_31943 36372:44082(+)
anti-repressor Ant (CDS_0055)
CDS_0057
CDS_0056
CDS_0058
TemPhD_cluster_40569 37617:46094(+)
anti-termination protein Q-like (CDS_0041)
anti-repressor Ant (CDS_0042)
43
44
45
TemPhD_cluster_42888 29226:38624(+)
anti-termination protein Q-like (CDS_0037)
anti-repressor Ant (CDS_0038)
39
40
41
TemPhD_cluster_43295 27561:36860(+)
NinB/ Orf homologous recombination mediator (CDS_0039)
anti-termination protein Q-like (CDS_0041)
38
40
42
43
44
48
TemPhD_cluster_25986 26437:39652(+)
anti-termination protein Q-like (CDS_0039)
CDS_0034
anti-repressor (CDS_0040)
CDS_0041
CDS_0042
TemPhD_cluster_30150 27731:39442(+)
anti-repressor (CDS_0035)
34
36
37
38
TemPhD_cluster_22068 21876:33586(+)
toxin-antitoxin system HicB-like (CDS_0043)
anti-termination protein Q-like (CDS_0041)
38
39
40
anti-repressor (CDS_0042)
TemPhD_cluster_10571 27759:39060(+)
NinB/ Orf homologous recombination mediator (CDS_0039)
anti-termination protein Q-like (CDS_0041)
HNH endonuclease (CDS_0040)
toxin-antitoxin system HicB-like (CDS_0043)
38
anti-repressor (CDS_0042)
TemPhD_cluster_24767 27759:39055(+)
NinB/ Orf homologous recombination mediator (CDS_0033)
anti-termination protein Q-like (CDS_0035)
tail fiber assembly (CDS_0025)
HNH endonuclease (CDS_0034)
toxin-antitoxin system HicB-like (CDS_0037)
26
27
32
anti-repressor (CDS_0036)
TemPhD_cluster_62929_ 20699:32795(+)
HNH endonuclease (CDS_0051)
anti-repressor (CDS_0053)
TemPhD_cluster_35392 37620:45435(+)
CDS_0048
anti-repressor (CDS_0052)
TemPhD_cluster_35387 37635:45445(+)
anti-repressor (CDS_0048)
TemPhD_cluster_60814 34414:41527(+)
toxin of TA system (CDS_0038)
Virulence-associated proteins (VF0679) (CDS_0037)
39
40
41
44
TemPhD_cluster_50492 27765:37918(+)
5000 nt
DNA, RNA and nucleotide metabolism
head and packaging
lysis
moron, auxiliary metabolic gene and host takeover
tail
transcription regulation
unknown function
Defence
Virulence