tail fiber protein (CDS_0058)
portal protein (CDS_0054)
CDS_0055
CDS_0057
CDS_0056
endolysin (CDS_0060)
CDS_0059
CDS_0061
CDS_0062
DdrA-like anti-restriction protein (CDS_0063)
lysis determining protein (CDS_0066)
DarA anti-RM (APIS031) (CDS_0064)
Hdf-like antirestriction (CDS_0065)
IMGVR_UViG_2636415703_000001|2636415703|2636449068|13499-107640 43482:57274(+)
CDS_0060
IMGVR_UViG_2627853687_000001|2627853687|2627880268 43956:57214(+)
CDS_0061
IMGVR_UViG_2871731064_000001|2871731064|2871731074 43290:55617(+)
CDS_0062
IMGVR_UViG_3300013728_000001|3300013728|Ga0121187_100022 48023:60303(+)
CDS_0059
IMGVR_UViG_3300013000_000010|3300013000|Ga0157360_1000029 43352:54769(+)
CDS_0059
IMGVR_UViG_3300013723_000001|3300013723|Ga0120981_100051 42507:55550(+)
CDS_0059
CDS_0060
IMGVR_UViG_3300009092_000013|3300009092|Ga0105250_10000075 42187:54945(+)
CDS_0053
CDS_0054
Cmx/CmrA family chloramphenicol efflux MFS transporter (NF033135.1) (CDS_0055)
IMGVR_UViG_3300011725_000001|3300011725|Ga0120766_100006 42706:57721(+)
CDS_0055
CDS_0056
holin (CDS_0061)
IMGVR_UViG_2630968876_000001|2630968876|2631029414 38452:51771(+)
released from the phage upon host infection (CDS_0057)
CDS_0053
CDS_0054
released from the phage upon host infection (CDS_0058)
IMGVR_UViG_2791355164_000001|2791355164|2791381283 40961:54207(+)
CDS_0053
CDS_0054
TemPhD_cluster_45534 40961:53766(+)
61
62
63
64
multidrug efflux SMR transporter EmrE (NF042984.1) (CDS_0065)
IMGVR_UViG_2905931062_000001|2905931062|2905931063 43398:58395(+)
acetyltransferase (CDS_0063)
CDS_0062
DarB anti-RM (APIS030) (CDS_0054)
CDS_0061
CDS_0064
IMGVR_UViG_648276708_000003|648276708|648298247 34469:56298(+)
DdrA-like anti-restriction protein (CDS_0064)
CDS_0062
CDS_0063
tail fiber assembly protein (CDS_0069)
CDS_0070
IMGVR_UViG_2616644925_000001|2616644925|2616652615 43762:61465(+)
anti-repressor Ant (CDS_0092)
CDS_0093
CDS_0094
CDS_0098
TemPhD_cluster_54828 67734:78777(+)
toxin-antitoxin system HicB-like (CDS_0091)
MGV-GENOME-0357746 63118:74155(+)
toxin-antitoxin system HicB-like (CDS_0100)
cas12f2_V-F_2 (CDS_0099)
TemPhD_cluster_45498 66234:78605(+)
CDS_0084
CDS_0086
CDS_0090
TemPhD_cluster_54926 66105:77339(+)
toxin-antitoxin system HicB-like (CDS_0101)
anti-repressor Ant (CDS_0095)
cas12f2_V-F_2 (CDS_0100)
IMGVR_UViG_2703718817_000003|2703718817|2703740991 67140:79730(+)
CDS_0087
CDS_0088
toxin-antitoxin system HicB-like (CDS_0091)
IMGVR_UViG_2579778880_000003|2579778880|2579827551 67148:78386(+)
cas12f2_V-F_3 (CDS_0105)
IMGVR_UViG_2925939204_000001|2925939204|2925939206 73652:84715(+)
toxin-antitoxin system HicB-like (CDS_0100)
transcriptional repressor (CDS_0101)
cas12f2_V-F_2 (CDS_0099)
JukAB_JukA (CDS_0102)
SAMN11031370_a1_ct630 67717:80353(+)
transcriptional repressor (CDS_0096)
JukAB_JukA (CDS_0097)
cas12f2_V-F_2 (CDS_0094)
95
transposase (CDS_0098)
TemPhD_cluster_54466 69129:83088(+)
transcriptional repressor (CDS_0094)
cas12f2_V-F_2 (CDS_0092)
CDS_0093
JukAB_JukA (CDS_0095)
TemPhD_cluster_54667 68279:81545(+)
toxin-antitoxin system HicB-like (CDS_0102)
CDS_0103
CDS_0104
TemPhD_cluster_45520 67525:79068(+)
CDS_0095
CDS_0096
CDS_0094
CDS_0097
TemPhD_cluster_54861 66197:79283(+)
CDS_0084
CDS_0083
CDS_0085
TemPhD_cluster_55037 59509:72613(+)
CDS_0096
CDS_0100
CDS_0101
TemPhD_cluster_54626 68127:79492(+)
CDS_0088
CDS_0089
MGV-GENOME-0354594 61938:73086(+)
baseplate hub subunit and tail lysozyme (CDS_0095)
portal protein (CDS_0102)
CDS_0103
portal protein (CDS_0101)
CDS_0104
IMGVR_UViG_2537562161_000003|2537562161|2537631729 67609:79487(+)
8000 nt
head and packaging
integration and excision
lysis
moron, auxiliary metabolic gene and host takeover
other
tail
transcription regulation
unknown function
Defence
Anti-defence
AMR