minor tail protein (CDS_0015)
minor tail protein (CDS_0016)
tail protein (CDS_0018)
tail fiber protein (CDS_0019)
tail protein (CDS_0020)
tail fiber protein (CDS_0022)
Pla (VF0139) (CDS_0025)
DksA-like zinc-finger protein (CDS_0028)
DNA methyltransferase (CDS_0030)
integrase (CDS_0026)
exonuclease (CDS_0032)
TemPhD_cluster_59964 12387:28489(+)
tail fiber protein (CDS_0023)
tail protein (CDS_0021)
Rck (VF0108) (CDS_0020)
IMGVR_UViG_2541047871_000003|2541047871|2541176116|15542-60057 12716:27488(+)
CDS_0022
CDS_0024
tail protein (CDS_0021)
CDS_0023
CDS_0029
IMGVR_UViG_2541047848_000002|2541047848|2541174998|211681-255614 12746:26007(+)
IMGVR_UViG_2744054963_000003|2744054963|2744106240|130127-174345 12719:26334(+)
transposase (CDS_0021)
tail protein (CDS_0020)
IMGVR_UViG_2541047806_000008|2541047806|2541173297|198483-244535 12393:27966(+)
IMGVR_UViG_2541047767_000007|2541047767|2541171640|721445-766298 12393:26767(+)
IMGVR_UViG_2654587772_000003|2654587772|2654605449|3511194-3555755 12716:27741(+)
tail fiber protein (CDS_0021)
Pla (VF0139) (CDS_0023)
TemPhD_cluster_47997 12728:29257(+)
tail protein (CDS_0022)
RecT-like ssDNA annealing protein (CDS_0034)
IMGVR_UViG_2861079508_000006|2861079508|2861079508|3515057-3561207 12729:28423(+)
CDS_0021
uvig_113734 12731:24697(+)
tail fiber protein (CDS_0020)
tail fiber protein (CDS_0021)
central tail fiber J (CDS_0019)
tail fiber protein (CDS_0025)
tail protein (CDS_0023)
IMGVR_UViG_2571042653_000004|2571042653|2571135637|558697-603945 12390:27771(+)
IMGVR_UViG_2630968533_000006|2630968533|2631001868|3770292-3815538 12719:27769(+)
DarTG__DarG (CDS_0023)
CDS_0017
IMGVR_UViG_2718217867_000005|2718217867|2718228109|3482066-3524662 12387:26274(+)
IMGVR_UViG_646564533_000006|646564533|646564564|697281-740845 12405:24984(+)
IMGVR_UViG_2718218358_000005|2718218358|2718229075|3429677-3473793 12716:26906(+)
IMGVR_UViG_2684622620_000013|2684622620|2684633433|12245-56103 12734:26663(+)
IMGVR_UViG_2541047815_000001|2541047815|2541173665|39131-83211 12734:26884(+)
IMGVR_UViG_2531839665_000024|2531839665|2531928711|977916-1026168 12734:26263(+)
IMGVR_UViG_2563366972_000004|2563366972|2563399954|208800-255512 12716:26344(+)
Carboxylesterase (VF0839) (CDS_0025)
Pla (VF0139) (CDS_0026)
TemPhD_cluster_59408 13563:30666(+)
TemPhD_cluster_35374 13438:30394(+)
TemPhD_cluster_48035 13423:30986(+)
Carboxylesterase (VF0839) (CDS_0027)
DNA invertase (CDS_0023)
Pla (VF0139) (CDS_0028)
TemPhD_cluster_24188 13222:31624(+)
TemPhD_cluster_47231 13423:31906(+)
TemPhD_cluster_47923 13582:32287(+)
Carboxylesterase (VF0839) (CDS_0028)
DNA invertase (CDS_0024)
Pla (VF0139) (CDS_0029)
TemPhD_cluster_27002 13582:31921(+)
TemPhD_cluster_31556 13567:31844(+)
Carboxylesterase (VF0839) (CDS_0026)
Pla (VF0139) (CDS_0027)
TemPhD_cluster_27004 13582:31921(+)
TemPhD_cluster_35015 13438:32442(+)
TemPhD_cluster_40261 13419:30213(+)
Carboxylesterase (VF0839) (CDS_0024)
TemPhD_cluster_59496 13420:30181(+)
tail fiber protein (CDS_0022)
TemPhD_cluster_18347 13582:32431(+)
TemPhD_cluster_35014 13582:32442(+)
TemPhD_cluster_35121 13420:30771(+)
CDS_0030_queuine tRNA-ribosyltransferase (CDS_0031)
TemPhD_cluster_31612 13420:30181(+)
TemPhD_cluster_31417 13564:31289(+)
IMGVR_UViG_2534681701_000013|2534681701|2534698675|40154-89689 13419:28191(+)
TemPhD_cluster_39896_ 12734:32442(+)
TemPhD_cluster_47771 12719:30566(+)
DarTG__DarG (CDS_0022)
TemPhD_cluster_39990_ 12716:30884(+)
central tail fiber J (CDS_0019)
Dnd__DndB (CDS_0030)
TemPhD_cluster_48129 12716:31131(+)
IMGVR_UViG_2870469529_000005|2870469529|2870469529|4544531-4591136 13420:27459(+)
excisionase (CDS_0025)
IMGVR_UViG_2740892231_000006|2740892231|2740960139|120855-163011 14162:27732(+)
IMGVR_UViG_2718218361_000005|2718218361|2718229079|3366394-3412906 13420:28726(+)
TemPhD_cluster_47475_ 13582:32084(+)
IMGVR_UViG_2609459848_000006|2609459848|2609503132|189879-235045 13419:28926(+)
TemPhD_cluster_58999 13582:32623(+)
TemPhD_cluster_31637 13438:31608(+)
TemPhD_cluster_39862_ 13286:34353(+)
TemPhD_cluster_15635 13420:31241(+)
IMGVR_UViG_2648501802_000003|2648501802|2648568691|3493623-3541045 12717:30601(+)
tail length tape measure protein (CDS_0015)
IMGVR_UViG_2913152634_000002|2913152634|2913152634|1296979-1340390 9828:25116(+)
IMGVR_UViG_2534682160_000008|2534682160|2534791111|317475-360232 9830:25089(+)
tail protein and host specificity (CDS_0020)
IMGVR_UViG_2718218129_000004|2718218129|2718228639|3444986-3488150 9829:24492(+)
IMGVR_UViG_2721755711_000007|2721755711|2721801314|4289199-4335853 12734:28721(+)
integrase (CDS_0026)
IMGVR_UViG_2531839640_000007|2531839640|2531925973|320933-364783 12715:26850(+)
IMGVR_UViG_2519899835_000007|2519899835|2519961633|68224-113216 12715:26851(+)
SAMN09781744_a1_ct38099_vs1 12734:31723(+)
uvig_584212 12734:25875(+)
IMGVR_UViG_2534681760_000006|2534681760|2534717055|534625-580253 12716:22731(+)
TemPhD_cluster_58580 12704:28965(+)
TemPhD_cluster_35159 12716:28677(+)
8000 nt
DNA, RNA and nucleotide metabolism
integration and excision
moron, auxiliary metabolic gene and host takeover
other
tail
transcription regulation
unknown function
Defence
Virulence