RecT-like ssDNA annealing protein (CDS_0036)
queuine tRNA-ribosyltransferase (CDS_0033)
CDS_0032
CDS_0031
Gam anti-RecBCD (APIS092) (CDS_0037)
integrase (CDS_0029)
exonuclease (CDS_0035)
CDS_0030
CDS_0034
Kil protein for bacterial septation inhibition (CDS_0038)
IMGVR_UViG_2778261136_000009|2778261136|2778282978|9382-57090 27386:32564(+)
DNA methyltransferase (CDS_0030)
CDS_0029
IMGVR_UViG_2654587772_000003|2654587772|2654605449|3511194-3555755 24056:29107(+)
Rck (VF0108) (CDS_0020)
tail fiber protein (CDS_0021)
CDS_0022
CDS_0026
queuine tRNA-ribosyltransferase (CDS_0027)
IMGVR_UViG_2563366856_000001|2563366856|2563393762|7060-50404 18256:27511(+)
excisionase (CDS_0025)
DNA methyltransferase (CDS_0029)
tail fiber protein (CDS_0021)
CDS_0023
CDS_0028
IMGVR_UViG_2740892231_000006|2740892231|2740960139|120855-163011 18259:28316(+)
DNA methyltransferase (CDS_0028)
CDS_0027
IMGVR_UViG_2703718813_000009|2703718813|2703740597|12494-54959 18259:28625(+)
DNA methyltransferase (CDS_0027)
CDS_0026
IMGVR_UViG_2711768060_000009|2711768060|2711779037|156217-199382 18258:27638(+)
DNA methyltransferase (CDS_0028)
tail protein (CDS_0021)
CDS_0027
IMGVR_UViG_2718218358_000005|2718218358|2718229075|3429677-3473793 18256:28949(+)
DNA methyltransferase (CDS_0027)
tail fiber protein (CDS_0019)
CDS_0026
IMGVR_UViG_2711768063_000003|2711768063|2711779218|156725-200454 14793:28579(+)
DNA methyltransferase (CDS_0028)
tail fiber protein (CDS_0021)
CDS_0022
Pla (VF0139) (CDS_0023)
CDS_0027
TemPhD_cluster_47997 14805:30624(+)
CDS_0022
CDS_0024
tail protein (CDS_0021)
CDS_0023
DNA methyltransferase (CDS_0029)
CDS_0028
IMGVR_UViG_2744054963_000003|2744054963|2744106240|130127-174345 18312:27700(+)
Kil protein for bacterial septation inhibition (CDS_0038)
DNA methyltransferase (CDS_0033)
CDS_0032
CI-like repressor (CDS_0039)
TemPhD_cluster_47923 28602:35003(+)
DksA-like zinc-finger protein (CDS_0025)
DNA methyltransferase (CDS_0027)
tail protein (CDS_0018)
tail fiber assembly (CDS_0022)
CDS_0026
IMGVR_UViG_2579778804_000008|2579778804|2579817706|38262-82205 14162:27923(+)
queuine tRNA-ribosyltransferase (CDS_0030)
CDS_0023
CDS_0024
CDS_0029
CDS_0035
IMGVR_UViG_2718218361_000005|2718218361|2718229079|3366394-3412906 21996:31444(+)
CDS_0033
CDS_0030
DarTG__DarG (CDS_0025)
CDS_0029
CDS_0031
CDS_0034
IMGVR_UViG_2721755711_000007|2721755711|2721801314|4289199-4335853 19639:31219(+)
CDS_0032
CDS_0033
CDS_0039
CDS_0040
TemPhD_cluster_35015 29122:36705(+)
CDS_0031
CDS_0032
TemPhD_cluster_27004 28601:34638(+)
CDS_0036
CDS_0035
IMGVR_UViG_2588253749_000002|2588253749|2588271646|122823-172804 31151:35504(+)
Kil protein for bacterial septation inhibition (CDS_0038)
CDS_0039
CDS_0032
CDS_0033
CDS_0040
TemPhD_cluster_47292_ 28583:35983(+)
CDS_0026
CDS_0027
IMGVR_UViG_2534682162_000010|2534682162|2534791211|40348-83517 18276:27279(+)
CDS_0025
CDS_0026
IMGVR_UViG_646564533_000006|646564533|646564564|697281-740845 18264:27027(+)
CDS_0032
CDS_0033
TemPhD_cluster_59109 28226:32913(+)
CDS_0021
CDS_0022
CDS_0028
CDS_0029
IMGVR_UViG_2563366972_000004|2563366972|2563399954|208800-255512 18360:28387(+)
tail length tape measure protein (CDS_0014)
CDS_0020
minor tail protein (CDS_0013)
CDS_0015
CDS_0018
CDS_0021
ivig_4532 9414:17453(+)
CDS_0019
CDS_0020
uvig_504230 9404:17178(+)
DNA methyltransferase (CDS_0020)
CDS_0019
uvig_72248 9403:17542(+)
CDS_0025
CDS_0024
CDS_0026
uvig_113734 14175:25281(+)
tail protein and host specificity (CDS_0019)
minor tail protein (CDS_0016)
CDS_0023
CDS_0017
CDS_0022
CDS_0024
ivig_2628 12719:20830(+)
CDS_0030
tail protein (CDS_0022)
CDS_0029
CDS_0031
IMGVR_UViG_2861079508_000006|2861079508|2861079508|3515057-3561207 18322:29007(+)
DksA-like zinc-finger protein (CDS_0029)
CDS_0031
CDS_0023
CDS_0030
TemPhD_cluster_35159 22434:31723(+)
CDS_0029
DNA methyltransferase (CDS_0030)
TemPhD_cluster_15635 21903:31825(+)
Carboxylesterase (VF0839) (CDS_0025)
DNA methyltransferase (CDS_0031)
CDS_0024
CDS_0030
TemPhD_cluster_48035 22341:32352(+)
Dnd__DndB (CDS_0030)
TemPhD_cluster_48129 22216:32497(+)
CDS_0029
CDS_0030
TemPhD_cluster_59496 21900:31547(+)
CDS_0030
CDS_0031
TemPhD_cluster_47771 22286:31932(+)
CDS_0030
queuine tRNA-ribosyltransferase (CDS_0031)
TemPhD_cluster_35121 21985:32137(+)
CDS_0030
CDS_0029
CDS_0031
CDS_0032
TemPhD_cluster_58580 22365:34237(+)
CDS_0039
CDS_0031
CDS_0032
CDS_0038
TemPhD_cluster_40261 21933:33686(+)
CDS_0032
CDS_0033
CDS_0034
TemPhD_cluster_39862_ 28032:36288(+)
CDS_0028
CDS_0029
CDS_0022
integrase (CDS_0026)
CDS_0030
CDS_0031
IMGVR_UViG_2565956718_000006|2565956718|2565986303|199451-245553 18328:32301(+)
CDS_0027
CDS_0026
CDS_0028
CDS_0029
IMGVR_UViG_2718218397_000005|2718218397|2718229155|3509640-3557527 14795:30473(+)
CDS_0026
CDS_0027
CDS_0028
IMGVR_UViG_643348551_000004|643348551|643348563|608332-653266 14793:30154(+)
CDS_0025
CDS_0026
CDS_0027
IMGVR_UViG_2737471844_000003|2737471844|2737499209|67918-112354 14763:29542(+)
integrase (CDS_0026)
CDS_0025
CDS_0029
CDS_0023
CDS_0024
CDS_0028
CDS_0030
IMGVR_UViG_2563366912_000002|2563366912|2563396422|326022-372426 18359:31336(+)
CII-like transcriptional activator (CDS_0044)
exonuclease (CDS_0035)
CDS_0036
transcriptional repressor (CDS_0043)
TemPhD_cluster_31417 28646:36313(+)
RecT-like ssDNA annealing protein (CDS_0034)
CDS_0035
CDS_0037
CDS_0036
replication initiation O-like (CDS_0045)
IMGVR_UViG_2939521961_000002|2939521961|2939521961|841694-888817 25193:35193(+)
6000 nt
DNA, RNA and nucleotide metabolism
integration and excision
moron, auxiliary metabolic gene and host takeover
other
tail
transcription regulation
unknown function
Defence
Virulence
Anti-defence