ParA-like partition protein (CDS_0048)
Rz-like spanin (CDS_0051)
DnaB-like replicative helicase (CDS_0044)
Rz-like spanin (CDS_0052)
DNA primase (CDS_0043)
endolysin (CDS_0053)
CDS_0045
CDS_0046
CDS_0047
CDS_0049
CDS_0050
CDS_0054
IMGVR_UViG_2937414065_000001|2937414065|2937414066 30104:38470(+)
CDS_0040 CDS_0041
IMGVR_UViG_2576861263_000006|2576861263|2576879894 11236-112494 26728:35094(+)
CDS_0033
CDS_0034
CDS_0037 CDS_0038
NC_018843.1 23473:32937(+)
Rz-like spanin (CDS_0045)
CDS_0043
CDS_0044
tail fiber protein (CDS_0049)
IMGVR_UViG_2767802193_000001|2767802193|2767829964 29708:40820(+)
CDS_0040 CDS_0041
IMGVR_UViG_2687453595_000001|2687453595|2687454406 26930:36942(+)
tail fiber protein (CDS_0046)
CDS_0040 CDS_0041
tail protein (CDS_0047)
MGV-GENOME-0364525 28109:50041(+)
Cor anti-superinfection exclusion (APIS032) (CDS_0045)
PD-T4-3__PD-T4-3 (CDS_0037)
membrane associated protein (CDS_0046)
CDS_0040 CDS_0041
outer membrane protein (CDS_0047)
IMGVR_UViG_2721755676_000001|2721755676|2721801238 34974:44656(+)
CDS_0036 CDS_0037
MGV-GENOME-4433199 26746:35485(+)
CDS_0038
CDS_0037
Rz-like spanin (CDS_0039)
IMGVR_UViG_2695420714_000006|2695420714|2695471711 27165:36775(+)
CDS_0040
CDS_0039
tail fiber protein (CDS_0044)
tail protein (CDS_0045)
tail assembly protein (CDS_0046)
IMGVR_UViG_2531839524_000004|2531839524|2531906890 28869:46870(+)
Rz-like spanin (CDS_0037)
CDS_0036
CDS_0035
tail fiber protein (CDS_0041)
IMGVR_UViG_2778261579_000004|2778261579|2778325426 26623:44745(+)
CDS_0036
CDS_0035
Rz-like spanin (CDS_0037)
minor tail protein (CDS_0044)
MGV-GENOME-0370371 25603:49277(+)
Rz-like spanin (CDS_0053)
CDS_0052
CDS_0048
CDS_0051
tail fiber protein (CDS_0057)
IMGVR_UViG_2775507004_000006|2775507004|2775534412 32853:49376(+)
CDS_0044
MGV-GENOME-0370754 29881:40312(+)
CDS_0042
IMGVR_UViG_3300011640_000018|3300011640|Ga0122113_100004 29601:39106(+)
CDS_0036
CDS_0039
uvig_279651 28241:37926(+)
CDS_0038
CDS_0041
MGV-GENOME-0366995 30384:40520(+)
CDS_0038
CDS_0041
MGV-GENOME-0365634 27923:37551(+)
CDS_0041
IMGVR_UViG_2667528007_000001|2667528007|2667601819 29136:38424(+)
CDS_0040
ivig_4153 29780:38985(+)
DnaB-like replicative helicase (CDS_0040)
CDS_0038
CDS_0045
IMGVR_UViG_2687453327_000001|2687453327|2687453861 38125:48954(+)
CDS_0037 CDS_0038
IMGVR_UViG_3300045988_164527|3300045988|Ga0495776_151066 27664:38634(+)
CDS_0038 CDS_0039
IMGVR_UViG_2713897162_000002|2713897162|2713947614 27529:37508(+)
CDS_0044 CDS_0045
MGV-GENOME-0370893 30430:40817(+)
CDS_0041 CDS_0042
MGV-GENOME-0370204 30304:40392(+)
CDS_0040 CDS_0041
IMGVR_UViG_2896789908_000002|2896789908|2896789910 27799:37850(+)
CDS_0047
CDS_0046
CDS_0049
MGV-GENOME-0370795 32523:42982(+)
CDS_0041
CDS_0043
CDS_0042
uvig_72385 27814:39313(+)
CDS_0047
CDS_0050
Rz-like spanin (CDS_0051)
IMGVR_UViG_2660238072_000001|2660238072|2660259848 31041:40607(+)
CDS_0047
CDS_0050
TemPhD_cluster_54284 30881:40784(+)
CDS_0049
IMGVR_UViG_2718217916_000001|2718217916|2718228215 30673:39862(+)
CDS_0050
IMGVR_UViG_2681813148_000001|2681813148|2681858456 30382:40091(+)
CDS_0042
IMGVR_UViG_2880329822_000001|2880329822|2880329823 28755:34944(+)
tail fiber protein (CDS_0042)
CDS_0037 CDS_0038
CDS_0043 CDS_0044
MGV-GENOME-0343831 27567:41529(+)
CDS_0040 CDS_0041
tail protein (CDS_0047)
tail protein (CDS_0048)
IMGVR_UViG_2925456605_000001|2925456605|2925456610 26396:49136(+)
acetyltransferase (CDS_0049)
CDS_0048
CDS_0050
tail protein (CDS_0055)
tail protein (CDS_0056)
uvig_394586 31210:53689(+)
acetyltransferase (CDS_0045)
CDS_0044
CDS_0046
IMGVR_UViG_2843521547_000006|2843521547|2843521761 28283:50707(+)
acetyltransferase (CDS_0051)
CDS_0050
CDS_0047
CDS_0052
MGV-GENOME-0370703 30782:54196(+)
CDS_0049
MGV-GENOME-0370648 30344:53565(+)
CDS_0025
uvig_371018 16291:40153(-)
CDS_0039
CDS_0038
CDS_0040
CDS_0044
CDS_0047
acetyltransferase (CDS_0048)
uvig_370573 29092:40737(+)
CDS_0042
IMGVR_UViG_2531839402_000001|2531839402|2531894960 28704:39179(+)
CDS_0043
IMGVR_UViG_2869455143_000003|2869455143|2869455152 35230:44848(+)
DNA binding protein (CDS_0044)
CDS_0048 CDS_0049
IMGVR_UViG_2924986515_000001|2924986515|2924986516 31905:42565(+)
CDS_0052
CDS_0046
CDS_0048
CDS_0051
IMGVR_UViG_2916238902_000001|2916238902|2916238904 36409:47675(+)
CDS_0038
CDS_0043
CDS_0042
IMGVR_UViG_2906160580_000006|2906160580|2906160601 27939:40039(+)
CDS_0043
acetyltransferase (CDS_0044)
IMGVR_UViG_2740892278_000002|2740892278|2740968522 29883:40620(+)
CDS_0044
acetyltransferase (CDS_0045)
IMGVR_UViG_3300045988_170829|3300045988|Ga0495776_129929 32135:41777(+)
CDS_0035
CDS_0037
CDS_0041
IMGVR_UViG_3300029139_000003|3300029139|Ga0120234_10017 27166:39106(+)
CDS_0042
Rz-like spanin (CDS_0047)
IMGVR_UViG_2731957818_000004|2731957818|2732013258 27222:37067(+)
PD-T7-5__PD-T7-5 (CDS_0039)
IMGVR_UViG_2602041673_000001|2602041673|2602074305 26281:37019(+)
CDS_0032
CDS_0037
MGV-GENOME-0341668 28150:38447(+)
CDS_0033
uvig_331125 23156:32623(+)
CDS_0038
uvig_257160 26485:37585(+)
PD-T4-3__PD-T4-3 (CDS_0035)
MGV-GENOME-0343466 24529:35841(+)
CDS_0036
CDS_0041
IMGVR_UViG_2585427757_000006|2585427757|2585457783 30899:43416(+)
PD-T4-3__PD-T4-3 (CDS_0035)
uvig_338640 24997:35660(+)
PD-T4-3__PD-T4-3 (CDS_0040)
MGV-GENOME-0369870 34810:44355(+)
CDS_0035
SAMEA2580165_a1_ct32459_vs1 23812:34502(+)
CDS_0034
MGV-GENOME-0360785 23115:33895(+)
CDS_0034
uvig_119552 23879:34981(+)
CDS_0037
IMGVR_UViG_2693429668_000006|2693429668|2693457771 25992:39565(+)
CDS_0033
IMGVR_UViG_2728369103_000001|2728369103|2728397357 23511:35142(+)
CDS_0039 CDS_0040
IMGVR_UViG_2541047712_000002|2541047712|2541169086 30831:41928(+)
CDS_0038 CDS_0039
MGV-GENOME-0368431 23858:36783(+)
CDS_0037 CDS_0038
IMGVR_UViG_2744054963_000001|2744054963|2744106252 24256:36573(+)
PD-T7-5__PD-T7-5 (CDS_0033)
CDS_0034
MGV-GENOME-4434933 22952:34844(+)
PD-T7-5__PD-T7-5 (CDS_0034)
CDS_0035
uvig_437203 22952:34844(+)
PD-T7-5__PD-T7-5 (CDS_0033)
CDS_0026
CDS_0034
IMGVR_UViG_3300045988_155182|3300045988|Ga0495776_175119 22740:34844(+)
penicillin-hydrolyzing class A beta-lactamase BlaZ (NF033139.1) (CDS_0035)
transposase (CDS_0037)
CDS_0034
CDS_0036
IMGVR_UViG_2574180019_000006|2574180019|2574206804 22290:35493(+)
CDS_0036
IMGVR_UViG_2671181136_000006|2671181136|2671321381 23844:33918(+)
CDS_0051
CDS_0053
CDS_0052
acetyltransferase (CDS_0054)
IMGVR_UViG_2851938318_000001|2851938318|2851938319 33941:43339(+)
CDS_0038
CDS_0034
CDS_0037
IMGVR_UViG_2706794671_000006|2706794671|2706821870 24310:35788(+)
CDS_0033
IMGVR_UViG_2869953405_000001|2869953405|2869953406 24310:35788(+)
CDS_0040
IMGVR_UViG_2834043822_000005|2834043822|2834043844 27145:37352(+)
CDS_0033
IMGVR_UViG_2671180890_000002|2671180890|2671290213 22760:35925(+)
CDS_0035
IMGVR_UViG_2681813318_000003|2681813318|2681885077 23117:36463(+)
PD-T7-5__PD-T7-5 (CDS_0036)
CDS_0037
MGV-GENOME-0347259 26041:38832(+)
PD-T7-5__PD-T7-5 (CDS_0035)
CDS_0036
MGV-GENOME-0367923 24722:38832(+)
CDS_0048 CDS_0049
IMGVR_UViG_2869468289_000001|2869468289|2869468293 33882:43670(+)
CDS_0033
IMGVR_UViG_2541047680_000004|2541047680|2541167551 21980:35320(+)
CDS_0035
CDS_0038
IMGVR_UViG_2639762884_000001|2639762884|2639806320 23024:36341(+)
CDS_0032
CDS_0033
uvig_205254 21975:35952(+)
CDS_0035
IMGVR_UViG_2925891887_000001|2925891887|2925891890 24036:38023(+)
CDS_0036
IMGVR_UViG_2737471993_000002|2737471993|2737506957 23751:37590(+)
CDS_0037
IMGVR_UViG_2529292828_000008|2529292828|2529352001 24662:38495(+)
CDS_0034
IMGVR_UViG_2648501839_000008|2648501839|2648572562 23152:36254(+)
CDS_0037
IMGVR_UViG_2541047715_000004|2541047715|2541169203 25240:36724(+)
CDS_0033
IMGVR_UViG_2579778903_000001|2579778903|2579830516 22160:33650(+)
CDS_0037 CDS_0038
IMGVR_UViG_2534681703_000015|2534681703|2534698779 24662:38494(+)
CDS_0033 CDS_0034
MGV-GENOME-0356955 22757:35329(+)
CDS_0041 CDS_0042
IMGVR_UViG_3300011905_000001|3300011905|Ga0121030_100025 27774:39354(+)
CDS_0036 CDS_0037
IMGVR_UViG_3300045988_158219|3300045988|Ga0495776_154985 25872:35930(+)
PD-T7-5__PD-T7-5 (CDS_0045)
CDS_0048
CDS_0047
CDS_0046
CDS_0051
IMGVR_UViG_2671181027_000003|2671181027|2671306527 29100:41110(+)
PD-T7-5__PD-T7-5 (CDS_0045)
CDS_0046
IMGVR_UViG_2718217729_000001|2718217729|2718227843 29099:40686(+)
CDS_0032
CDS_0031
TemPhD_cluster_54272 20342:31938(+)
PD-T7-5__PD-T7-5 (CDS_0041)
CDS_0044
IMGVR_UViG_2639762822_000001|2639762822|2639799541 27936:39346(+)
CDS_0045
CDS_0044
IMGVR_UViG_2571042867_000005|2571042867|2571154086 27112:37604(+)
CDS_0043
CDS_0046
CDS_0042
CDS_0045
IMGVR_UViG_2875663777_000001|2875663777|2875663778 27904:39499(+)
CDS_0035
MGV-GENOME-0360652 24868:34174(+)
CDS_0044
DNA primase (CDS_0039) CDS_0040
CDS_0043
IMGVR_UViG_2744055236_000001|2744055236|2744124154 26548:39533(+)
CDS_0044
CDS_0043
CDS_0048
IMGVR_UViG_2859068660_000004|2859068660|2859068661 27036:38370(+)
CDS_0044
CDS_0043
IMGVR_UViG_2905833703_000001|2905833703|2905833724 26984:38318(+)
CDS_0040
CDS_0039
CDS_0041
IMGVR_UViG_2937357040_000001|2937357040|2937357164 26704:38837(+)
CDS_0039 CDS_0040
IMGVR_UViG_3300045988_166391|3300045988|Ga0495776_016425 27449:37610(+)
CDS_0034
IMGVR_UViG_3300045988_161591|3300045988|Ga0495776_034628 23955:33767(+)
CDS_0040
uvig_392364 28269:37705(+)
CDS_0041
CDS_0045
SAMEA2737758_a1_ct16312 32177:40251(+)
30
36
37
38
39
PD-T4-3__PD-T4-3 (CDS_0040)
IMGVR_UViG_2721755712_000001|2721755712|2721801320 25284:38412(+)
tail fiber protein (CDS_0043)
CDS_0039
tail protein (CDS_0044)
tail protein (CDS_0045)
IMGVR_UViG_2907853197_000001|2907853197|2907853199 26955:50842(+)
tail fiber protein (CDS_0051)
tail fiber protein (CDS_0050)
tail fiber protein (CDS_0048)
endolysin (CDS_0046)
CDS_0052
CDS_0049
CDS_0053
IMGVR_UViG_2690315794_000002|2690315794|2690320750 31355:42689(+)
9000 nt
DNA, RNA and nucleotide metabolism
head and packaging
integration and excision
lysis
moron, auxiliary metabolic gene and host takeover
other
tail
unknown function
Defence
Anti-defence
AMR