tail assembly chaperone (CDS_0021)
tail assembly chaperone (CDS_0020)
DNA methyltransferase (CDS_0025)
virion structural protein (CDS_0023)
tail protein (CDS_0022)
late transcriptional activator (CDS_0031)
unknown function (CDS_0036)
TemPhD_cluster_48292 18829:33254(+)
RNA polymerase beta subunit (CDS_0030)
DNA methyltransferase (CDS_0025)
CDS_0026
HNH endonuclease (CDS_0031)
IMGVR_UViG_2687453547_000004|2687453547|2687454313|3255456-3295119 18835:28107(+)
virion structural protein (CDS_0024)
tail assembly protein (CDS_0020)
DNA methyltransferase (CDS_0026)
tail assembly protein (CDS_0019)
CDS_0025
CDS_0027
IMGVR_UViG_2687453225_000011|2687453225|2687453684|6083468-6125272 16754:28891(+)
virion structural protein (CDS_0024)
DNA methyltransferase (CDS_0026)
CDS_0025
IMGVR_UViG_649989990_000002|649989990|649998990|70948-110663 16757:27376(+)
DNA methyltransferase (CDS_0026)
virion structural protein (CDS_0024) 25
27
28
IMGVR_UViG_2582580909_000004|2582580909|2582661865|445894-487712 17156:29541(+)
DNA methyltransferase (CDS_0026)
tRNA splicing ligase (CDS_0028)
virion structural protein (CDS_0024) 25
27
nucleotidyltransferase (CDS_0029)
IMGVR_UViG_2860903427_000008|2860903427|2860903427|6038752-6081296 16751:30343(+)
CDS_0026
CDS_0027
CDS_0028
TemPhD_cluster_48879_ 18454:30691(+)
CDS_0027
CDS_0028
CDS_0029
TemPhD_cluster_59860 18454:32817(+)
CDS_0027
CDS_0028
CDS_0029
TemPhD_cluster_60475 18439:30667(+)
CDS_0027
IMGVR_UViG_2925711178_000001|2925711178|2925711178|673883-715031 18451:28809(+)
CDS_0027
IMGVR_UViG_2627853962_000007|2627853962|2627903660|5603896-5643586 18439:26809(+)
CDS_0027
IMGVR_UViG_2925725116_000003|2925725116|2925725116|2541284-2580524 18447:27039(+)
CDS_0030
IMGVR_UViG_2872559933_000003|2872559933|2872559933|6680352-6719383 18443:26858(+)
CDS_0026
CDS_0030
IMGVR_UViG_2627854093_000005|2627854093|2627914067|22043-61581 18433:27331(+)
CDS_0028
IMGVR_UViG_2579778620_000004|2579778620|2579792285|2068612-2108731 19234:28601(+)
DNA methyltransferase (CDS_0026)
virion structural protein (CDS_0024)
CDS_0025
CDS_0027
IMGVR_UViG_2864903489_000005|2864903489|2864903493|44729-85524 17072:28789(+)
virion structural protein (CDS_0025)
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0027)
CDS_0026
IMGVR_UViG_2671181014_000002|2671181014|2671304852|43006-82628 17563:27962(+)
CDS_0028
CDS_0029
IMGVR_UViG_2681813132_000002|2681813132|2681857504|1610189-1652756 17931:29273(+)
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0027)
CDS_0031
IMGVR_UViG_2571042807_000002|2571042807|2571150160|574791-615272 18759:27419(+)
DNA methyltransferase (CDS_0025)
CDS_0026
IMGVR_UViG_2912997783_000009|2912997783|2912997783|6123701-6163694 18838:27932(+)
DNA methyltransferase (CDS_0025)
CDS_0026
IMGVR_UViG_2687453225_000005|2687453225|2687453684|968654-1009179 18838:28464(+)
DNA methyltransferase (CDS_0025)
CDS_0026
IMGVR_UViG_2671180440_000007|2671180440|2671229349|2569928-2609873 18838:27884(+)
DNA methyltransferase (CDS_0025)
CDS_0026
IMGVR_UViG_2698536406_000005|2698536406|2698548680|50766-91386 18835:28559(+)
DNA methyltransferase (CDS_0025)
CDS_0026
IMGVR_UViG_2648501394_000005|2648501394|2648525960|3700-43944 18835:28183(+)
DNA methyltransferase (CDS_0025)
CDS_0026
TemPhD_cluster_49917 18833:28395(+)
DNA methyltransferase (CDS_0025)
CDS_0027
CDS_0026
IMGVR_UViG_2913016525_000003|2913016525|2913016525|1258490-1299128 18835:28577(+)
DNA methyltransferase (CDS_0025)
CDS_0027
CDS_0026
IMGVR_UViG_2571042881_000002|2571042881|2571155494|2202956-2244713 18835:29696(+)
DNA methyltransferase (CDS_0025)
CDS_0026
CDS_0027 CDS_0028
IMGVR_UViG_2545824568_000006|2545824568|2545847490|2-41880 18835:29817(+)
DNA methyltransferase (CDS_0025)
CDS_0026 CDS_0027
IMGVR_UViG_2700989384_000010|2700989384|2701045778|2-41749 18835:29686(+)
DNA methyltransferase (CDS_0025)
CDS_0026CDS_0027
IMGVR_UViG_2554235224_000006|2554235224|2554290746|100026-141695 18835:29608(+)
DNA methyltransferase (CDS_0025)
CDS_0026
CDS_0028
IMGVR_UViG_2775507200_000005|2775507200|2775618823|4402203-4443223 18831:28963(+)
DNA methyltransferase (CDS_0025)
28
26 27
29
IMGVR_UViG_2734482402_000004|2734482402|2734634940|1-43533 18835:31471(+)
CDS_0029 CDS_0030
IMGVR_UViG_2912927692_000008|2912927692|2912927692|3614721-3654983 18834:27409(+)
CDS_0025 CDS_0026
IMGVR_UViG_2912927692_000012|2912927692|2912927692|5838056-5878387 18840:27477(+)
CDS_0025
IMGVR_UViG_2675903353_000002|2675903353|2675963208 18835:26849(+)
CDS_0025
CDS_0026 CDS_0028
IMGVR_UViG_2617271286_000003|2617271286|2617361841|1330073-1370090 18824:27134(+)
CDS_0027
IMGVR_UViG_2579778688_000003|2579778688|2579801085|573694-612886 19059:26309(+)
CDS_0025
CDS_0026
TemPhD_cluster_27485 18823:28316(+)
DNA methyltransferase (CDS_0025)
CDS_0027
IMGVR_UViG_2740892054_000003|2740892054|2740907243|10708-49536 19065:27120(+)
CDS_0026
IMGVR_UViG_2619619278_000014|2619619278|2619687508|9721-47754 19065:26325(+)
CDS_0025
IMGVR_UViG_2568526153_000003|2568526153|2568550672|43381-81891 18829:26802(+)
CDS_0025
CDS_0024 CDS_0026
Mu Gam-like end protection (CDS_0032)
IMGVR_UViG_2571042900_000007|2571042900|2571156255|382855-423046 18826:28563(+)
CDS_0025
CDS_0024 CDS_0026
IMGVR_UViG_2718217881_000007|2718217881|2718228135|2618989-2660317 18823:28907(+)
CDS_0025 CDS_0026
Mu Gam-like end protection (CDS_0030)
uvig_579040 18712:25702(+)
CDS_0035
CDS_0037
CDS_0029 CDS_0030
CDS_0036
IMGVR_UViG_2888761234_000002|2888761234|2888761234|649303-688149 19274:27515(+)
CDS_0027
IMGVR_UViG_2925725116_000004|2925725116|2925725116|2939998-2979836 18451:27370(+)
tail fiber protein (CDS_0024)
IMGVR_UViG_2571042902_000003|2571042902|2571156360|12764-51619 16758:26189(+)
virion structural protein (CDS_0025)
structural protein (CDS_0018)
tail protein (CDS_0024)
CDS_0028
tail protein (CDS_0023)
CDS_0026
NC_042135.1 15243:26132(+)
tail protein (CDS_0022) tail protein (CDS_0023)
IMGVR_UViG_3300032189_000004|3300032189|Ga0334667_100013|42574-82379 15382:25935(+)
CDS_0024
CDS_0026
CDS_0025
CDS_0027
CDS_0031
IMGVR_UViG_2574180134_000002|2574180134|2574212624|414073-460328 18826:32703(+)
CDS_0033
CDS_0032
CDS_0026
CDS_0031
CDS_0034
IMGVR_UViG_2897166605_000004|2897166605|2897166605|3207610-3246418 19053:28011(+)
RM_Type_III__Type_III_MTases___Type_III_MTases_FAM_0 (CDS_0028)
Lamassu-Fam__LmuA_effector_Cap4_nuclease_II (CDS_0029)
Lamassu-Fam__LmuC_acc_Cap4_nuclease (CDS_0030)
Lamassu-Fam__LmuB_SMC_Cap4_nuclease_II (CDS_0034)
transposase (CDS_0033)
Retron_VI__HTH (CDS_0037)
27
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35 36
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41
42
IMGVR_UViG_2925711178_000003|2925711178|2925711178|807810-861796 18451:41325(+)
tail fiber protein (CDS_0024)
CDS_0026
CDS_0025
IMGVR_UViG_2872527891_000005|2872527891|2872527891|5902722-5941611 16664:25802(+)
tail fiber protein (CDS_0023)
CDS_0025
CDS_0024
IMGVR_UViG_2627853747_000005|2627853747|2627884654|25349-64256 16301:26349(+)
tail fiber protein (CDS_0024)
CDS_0026
CDS_0025 CDS_0028
IMGVR_UViG_2870338240_000004|2870338240|2870338240|4370275-4409347 18411:26739(+)
CDS_0028
IMGVR_UViG_2870338240_000003|2870338240|2870338240|2036706-2076349 18447:26976(+)
CDS_0029
IMGVR_UViG_2721755597_000010|2721755597|2721801113|5690231-5730725 19256:28876(+)
CDS_0028 CDS_0029
IMGVR_UViG_2888774381_000003|2888774381|2888774381|4192510-4233181 18842:27795(+)
tail fiber protein (CDS_0024)
CDS_0026
CDS_0025
IMGVR_UViG_2888714733_000002|2888714733|2888714765|8051-46479 16769:26231(+)
CDS_0025
tail fiber protein (CDS_0023)
CDS_0026
CDS_0024
IMGVR_UViG_2511231165_000004|2511231165|2511244623|5268679-5307075 16301:26335(+)
25
tail fiber protein (CDS_0023) 24
26 27
IMGVR_UViG_2684622547_000002|2684622547|2684627471|87783-125935 16305:26824(+)
CDS_0025
tail fiber protein (CDS_0023)
CDS_0026
CDS_0024
IMGVR_UViG_2568526595_000005|2568526595|2568581637|224918-262828 16305:26582(+)
tail fiber protein (CDS_0024)
CDS_0026
CDS_0025
NC_028667.1 16754:26078(+)
CDS_0027CDS_0029
IMGVR_UViG_2534681679_000017|2534681679|2534692642|1-39805 19059:26921(+)
tail fiber protein (CDS_0007)
CDS_0005
CDS_0006
IMGVR_UViG_2923159863_000002|2923159863|2923159863|1411772-1455516 2703:9531(-)
25
DNA helicase (CDS_0028)
Type IV pili (VF0401) (CDS_0032)
tail fiber protein (CDS_0023) 24
26
27
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34
Type IV pili (VF0431) (CDS_0035)
IMGVR_UViG_2571042854_000004|2571042854|2571152706 16305:39012(+)
tail fiber protein (CDS_0023)
24 25 26
27
IMGVR_UViG_2675903445_000009|2675903445|2675976035|28645-70132 16305:28929(+)
tail fiber protein (CDS_0023)
CDS_0024
IMGVR_UViG_2888767948_000006|2888767948|2888767948|5542974-5581585 16308:26053(+)
tail fiber protein (CDS_0024) CDS_0029
NC_006548.1 17290:26231(+)
virion structural protein (CDS_0028)
virion structural protein (CDS_0029)
CDS_0032
tail fiber protein (CDS_0027)
CDS_0030
CDS_0033
IMGVR_UViG_2938983465_000005|2938983465|2938983465|3831664-3871882 16660:27239(+)
2OG-Fe(II) oxygenase (CDS_0030)
25 26 27 28 29 31 32 33
SAMN05301490_a1_ct5323_vs2 18823:31375(+)
RNA polymerase beta subunit (CDS_0037)
HNH endonuclease (CDS_0036)
TTSS secreted effectors (VF0853) (CDS_0028)
unknown function (CDS_0035)
24 25 26 27 29 30 31 32 33 34 38 39 40 41 42 43
nucleoid associated protein (CDS_0044)
IMGVR_UViG_2870319472_000005|2870319472|2870319472|4824293-4877186 18826:41265(+)
9000 nt
DNA, RNA and nucleotide metabolism
head and packaging
integration and excision
moron, auxiliary metabolic gene and host takeover
other
tail
transcription regulation
unknown function
Defence
Virulence