DNA binding protein (CDS_0036)
Reverse transcriptase (CDS_0028)
transposase (CDS_0033)
endolysin (CDS_0030)
CDS_0035
CDS_0041
CDS_0029
CDS_0034
CDS_0039
CDS_0027
CDS_0032
CDS_0037
CDS_0040
CDS_0026
CDS_0031
CDS_0038
CDS_0042
CDS_0043
uvig_236780 21339:33155(+)
CDS_0034
MGV-GENOME-0320576 21339:32973(+)
CDS_0034
uvig_560389 21753:35395(+)
CDS_0033 CDS_0034
uvig_233157 21315:33809(+)
metallo-phosphoesterase (CDS_0035)
CDS_0034
CDS_0033
CDS_0042
uvig_339640 21917:36349(+)
RuvC-like Holliday junction resolvase (CDS_0034)
CDS_0041
IMGVR_UViG_2849848790_000004|2849848790|2849848801|188839-244204 21774:33421(+)
CDS_0034
ivig_2347 21774:33854(+)
CDS_0034 radical SAM domain-containing protein (CDS_0035)
uvig_467507 21864:33986(+)
VanR-ABDEGLN family response regulator transcription factor (NF033117.2) (CDS_0035)
CDS_0034
CDS_0036
uvig_249723 21426:35398(+)
CDS_0033
IMGVR_UViG_3300045988_093933|3300045988|Ga0495776_130288 21919:33469(+)
CDS_0033 CDS_0034
uvig_165577 21774:35915(+)
CDS_0033
CDS_0034 CDS_0035
uvig_144778 21484:34878(+)
CDS_0033 CDS_0034
IMGVR_UViG_3300045988_065751|3300045988|Ga0495776_147320 21484:34532(+)
AdsA (VF0422) (CDS_0035)
33 34
36 37
uvig_238964 21429:36135(+)
CDS_0033
CDS_0034
MGV-GENOME-0326126 21429:33576(+)
RT_III-AM_III-B_2 (CDS_0028) CDS_0034
Han_2018_ERR1398172_NODE_204_length_56053_cov_11.357370 21774:33962(+)
CDS_0034 CDS_0035
uvig_474129 21869:36548(+)
DNA topoisomerase II (CDS_0034)
PEB1 (VF0327) (CDS_0036)
CDS_0035 CDS_0037
uvig_243918 21426:36812(+)
PEB1 (VF0327) (CDS_0035)
DNA topoisomerase II (CDS_0033)
CDS_0034 CDS_0036
uvig_294312 21348:39061(+)
CDS_0030 CDS_0034
MGV-GENOME-0333880 21777:33320(+)
CDS_0034
uvig_247927 21430:34539(+)
CDS_0034
MGV-GENOME-0339262 21429:31087(+)
CDS_0034
CDS_0035
uvig_463689 21778:33124(+)
CDS_0033
IMGVR_UViG_3300045988_058819|3300045988|Ga0495776_151682 21429:31739(+)
CDS_0033
MGV-GENOME-0336692 21777:33120(+)
ABC transporter (VF0818) (CDS_0036)
CDS_0035
CDS_0034
ABC transporter (VF0818) (CDS_0037)
uvig_129318 21864:36867(+)
radical SAM domain-containing protein (CDS_0035)
40
34 36 37 38 39 41
uvig_465344 21777:39542(+)
multidrug efflux MATE transporter MepA (NF000131.1) (CDS_0038)
Sigma M (VF0822) (CDS_0035)
34 36 37 39
uvig_206950 21749:37922(+)
DNA binding protein (CDS_0034) CDS_0039 CDS_0041
uvig_383133 21324:32435(+)
DNA binding protein (CDS_0034)
uvig_320682 21348:32446(+)
endolysin (CDS_0029) DNA binding protein (CDS_0033)
uvig_229256 21777:32887(+)
NifU-like Fe-S cluster assembly protein (CDS_0038)
Dnd_DndA (CDS_0039)
HNH endonuclease (CDS_0036)
41
34 35 ATPase (CDS_0037) 40 42
uvig_242530 21774:41558(+)
chaperonin groEL (CDS_0036)
clamp loader of DNA polymerase (CDS_0033) 34 35 37
IMGVR_UViG_3300029934_000070|3300029934|Ga0169760_100235 21778:36972(+)
CDS_0034 CDS_0036
CDS_0035 CDS_0037
IMGVR_UViG_3300045988_075675|3300045988|Ga0495776_056373 21429:33248(+)
multidrug efflux MATE transporter NorM (NF000263.1) (CDS_0037)
33 34 35 36 38 39
uvig_189892 21315:41707(+)
34 35 36 37 38 39 40
uvig_244294 21876:37510(+)
O-antigen (VF0392) (CDS_0038)
LOS (VF0326) (CDS_0041)
34 35 36 37 39 40 42 43
uvig_401230 21429:42125(+)
RegX3 (VF0858) (CDS_0044)
LisR/LisK (VF0792) (CDS_0043)
34 35 36 37 38 39 40 41 42 45
uvig_249818 21426:46957(+)
translation elongation factor (CDS_0033) CDS_0039
CDS_0034 CDS_0035 CDS_0040
uvig_67295 21916:37344(+)
kinase (CDS_0037)
CDS_0039
CDS_0036
CDS_0033 CDS_0040
uvig_569864 21750:32155(+)
translation elongation factor (CDS_0033)
CDS_0035
CDS_0034 CDS_0041
MGV-GENOME-0340513 21753:34632(+)
CDS_0025
CDS_0024 PsyrTA_PsyrT (CDS_0031)
uvig_50350 20695:31194(+)
LOS (VF0326) (CDS_0036)
LOS (VF0326) (CDS_0034)
33 35 37 bleomycin family antibiotic N-acetyltransferase TlmB (NF000485.1) (CDS_0038)
uvig_33316 21756:39673(+)
34 35 36 37 38
uvig_199662 21400:34891(+)
transcriptional repressor (CDS_0038)
Retron_RT_Tot_1 (CDS_0034) 39
33 35 36 37 40 41 46
uvig_383649 21751:36859(+)
33 34 35 36 37 38 43
uvig_554874 21750:39336(+)
34
translation initiation factor (CDS_0033) 35 36 37 38 39 40 41 42 43 44 Gabija_GajB_2 (CDS_0045)
uvig_229456 21429:45016(+)
Trehalose-recycling ABC transporter (VF0842) (CDS_0047)
transcriptional repressor (CDS_0043)
34 36 40
33 35 37 38 39 41 42 44 45 46 48 49 50
uvig_34557 21581:45783(+)
transcriptional repressor (CDS_0045)
36 38 42 47
34 35 37 39 40 41 43 44 46 48
MGV-GENOME-0341119 21581:39836(+)
nucleotide-sugar epimerase (CDS_0037)
clamp loader of DNA polymerase (CDS_0047)
ABC transporter (VF0818) (CDS_0040)
RtxA (VF0482) (CDS_0041) 44
33 34 35 36 38 39 42 43 45 46 Fur (VF0113) (CDS_0048)
uvig_194305 21340:47557(+)
kinase (CDS_0037)
CDS_0036 CDS_0041
uvig_579275 25529:34197(+)
Lamassu-Fam_LmuA_effector_Hydrolase (CDS_0034) 41
39
33 35 36 37 38 40 42
SAMEA2737784_b1_ct87_vs2 21333:37582(+)
39
37
33 34 35 36 38 40
MGV-GENOME-0330571 21333:35189(+)
42
40
33 34 35 36 37 38 39 41 43
uvig_132448 21333:39455(+)
39
37
33 34 35 36 38 40
uvig_256548 21333:34857(+)
35 37
31 32 33 34 36
IMGVR_UViG_3300045988_068137|3300045988|Ga0495776_113040 20782:35204(+)
35
32 33 34 36 37 38 39 40 41
uvig_249105 20288:40273(+)
peptide deformylase (CDS_0035)
CDS_0039
CDS_0034 CDS_0036 CDS_0040
uvig_92197 21843:34204(+)
MazF-like growth inhibitor (CDS_0036)
integrase (CDS_0034)
transcriptional regulator (CDS_0053)
28 35 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 54 55 56
uvig_190992 21316:52215(+)
10000 nt
DNA, RNA and nucleotide metabolism
integration and excision
lysis
moron, auxiliary metabolic gene and host takeover
other
transcription regulation
unknown function
Defence
Virulence
AMR