DNA binding protein (CDS_0031)
holin (CDS_0024)
CDS_0027
CDS_0028
CDS_0029
CDS_0026
CDS_0025
CDS_0030
CDS_0032
CDS_0033
CDS_0034
DNA methyltransferase (CDS_0039)
CDS_0037
CDS_0035
CDS_0036
CDS_0038
CDS_0040
CDS_0041
IMGVR_UViG_3300029702_000021|3300029702|Ga0245265_101088 19087:26249(+)
CDS_0031
CDS_0036
IMGVR_UViG_3300045988_049612|3300045988|Ga0495776_119130 19024:26039(+)
CDS_0037
CDS_0031
CDS_0032
CDS_0038
MGV-GENOME-0223050 18998:26215(+)
CDS_0032
CDS_0035
uvig_519819 19004:25785(+)
CDS_0036
CDS_0031
CDS_0032
CDS_0037
CDS_0039
MGV-GENOME-0226131 19081:26822(+)
CDS_0031
CDS_0032
MGV-GENOME-0225892 19024:26730(+)
CDS_0031
CDS_0032
CDS_0039
MGV-GENOME-0225869 19024:26778(+)
CDS_0030
IMGVR_UViG_3300045988_018110|3300045988|Ga0495776_010026 17749:23921(+)
CDS_0029
MGV-GENOME-0217964 18359:24882(+)
CDS_0024
CDS_0031
uvig_542561 19121:25398(+)
CDS_0030
CDS_0031
MGV-GENOME-0218336 18364:25485(+)
CDS_0031
CDS_0038
MGV-GENOME-0228287 20773:26865(+)
CDS_0030
MGV-GENOME-0225632 19136:26392(+)
CDS_0032
CDS_0033
uvig_526884 19284:26307(+)
CDS_0031
CDS_0032
MGV-GENOME-0225234 19196:26135(+)
CDS_0032
CDS_0031
CDS_0034
pyrophosphatase (CDS_0040)
uvig_546810 19328:26685(+)
CDS_0020
CDS_0019
MGV-GENOME-0202835 5424:12781(-)
CDS_0031
CDS_0032
radical SAM domain protein (CDS_0037)
uvig_382851 19505:27163(+)
CDS_0030
CDS_0022
CDS_0031
CDS_0033
IMGVR_UViG_2740892378_000006|2740892378|2740978571|23059-56407 18726:25732(+)
CDS_0029
CDS_0030
IMGVR_UViG_3300045988_078660|3300045988|Ga0495776_183114 18748:26179(+)
CDS_0030
CDS_0031
IMGVR_UViG_3300045988_091009|3300045988|Ga0495776_146429 18726:26888(+)
CDS_0031
CDS_0030
CDS_0032
IMGVR_UViG_3300045988_064956|3300045988|Ga0495776_144924 18726:25692(+)
CDS_0030
CDS_0031
MGV-GENOME-0226928 19047:25538(+)
CDS_0022
CDS_0029
CDS_0030
uvig_307497 18440:24628(+)
SspBCDE__SspD (CDS_0029)
CDS_0030
uvig_543463 17965:24438(+)
CDS_0031
MGV-GENOME-0220812 19277:24397(+)
CDS_0029
CDS_0031
IMGVR_UViG_3300045988_078209|3300045988|Ga0495776_160217 20219:25633(+)
CDS_0029
CDS_0031
IMGVR_UViG_3300045988_072253|3300045988|Ga0495776_182804 20219:25763(+)
CDS_0010
CDS_0011
CDS_0018
MGV-GENOME-0164053 6651:15072(+)
CDS_0036
CDS_0037
uvig_149607 22490:28307(+)
CDS_0031
uvig_303337 19106:25292(+)
CDS_0015
CDS_0023
MGV-GENOME-0195386 13276:19502(+)
CDS_0031
MGV-GENOME-0225886 20132:25153(+)
CDS_0029
CDS_0031
MGV-GENOME-0225885 18773:24709(+)
CDS_0031
uvig_177785 19367:25315(+)
CDS_0030
CDS_0032
IMGVR_UViG_3300045988_077201|3300045988|Ga0495776_159563 18724:24761(+)
CDS_0029
CDS_0035
nucleoside 2-deoxyribosyltransferase (CDS_0036)
uvig_91825 18359:24679(+)
CDS_0029
CDS_0031
MGV-GENOME-0252183 18750:25894(+)
CDS_0023
CDS_0028
MGV-GENOME-0226629 18745:25026(+)
NinB/ Orf homologous recombination mediator (CDS_0031)
RusA-like Holliday junction resolvase (CDS_0032)
DnaD-like helicase loader (CDS_0033)
exonuclease (CDS_0030)
34
MGV-GENOME-0234938 18726:27333(+)
DNA binding protein (CDS_0030)
CDS_0032
holin (CDS_0023)
CDS_0031
MGV-GENOME-0230072 18943:25677(+)
LigA (VF1220) (CDS_0030)
29
31
32
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34
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uvig_512964 18748:33456(+)
CDS_0030
CDS_0033
CDS_0031
CDS_0034
IMGVR_UViG_3300045988_097714|3300045988|Ga0495776_144828 19961:26301(+)
CDS_0032
CDS_0029
CDS_0030
CDS_0033
IMGVR_UViG_3300045988_089269|3300045988|Ga0495776_177479 19961:25353(+)
SspBCDE__SspD (CDS_0032)
CDS_0033
CDS_0038
IMGVR_UViG_3300045988_081479|3300045988|Ga0495776_004220 20351:25712(+)
multidrug efflux MATE transporter NorM (NF000263.1) (CDS_0036)
RegX3 (VF0858) (CDS_0034)
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uvig_279362 18726:38014(+)
toxin-antitoxin system HicB-like (CDS_0027)
toxin (CDS_0025)
CDS_0026
CDS_0030
IMGVR_UViG_3300045988_070901|3300045988|Ga0495776_001248 19102:25567(+)
CDS_0031
CDS_0032
IMGVR_UViG_3300045988_066231|3300045988|Ga0495776_119268 19234:25712(+)
CDS_0033
CDS_0032
CDS_0034
MGV-GENOME-0227638 19221:26552(+)
Retron_VI__HTH (CDS_0028)
CDS_0031
CDS_0024
CDS_0026
CDS_0029
CDS_0032
IMGVR_UViG_3300029726_000018|3300029726|Ga0245201_100530 19045:25915(+)
ABC transporter (CDS_0026)
CDS_0030
CDS_0031
IMGVR_UViG_3300045988_068937|3300045988|Ga0495776_145651 18745:24654(+)
CDS_0030
CDS_0022
transposase (CDS_0028)
CDS_0031
uvig_212157 17740:25415(+)
CDS_0028
CDS_0029
IMGVR_UViG_3300029727_000206|3300029727|Ga0245198_100020|77883-108988 17685:24128(+)
CDS_0028
CDS_0029
IMGVR_UViG_3300045988_053456|3300045988|Ga0495776_004718 18808:25425(+)
DnaD-like helicase loader (CDS_0034)
DnaB-like replicative helicase (CDS_0035)
nicotinamide phosphoribosyl transferase (CDS_0028)
MADS__mad1 (CDS_0033)
29
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42
MGV-GENOME-0302761 17685:35075(+)
DnaD-like helicase loader (CDS_0034)
DnaB-like replicative helicase (CDS_0035)
nicotinamide phosphoribosyl transferase (CDS_0028)
MADS__mad1 (CDS_0033)
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37
IMGVR_UViG_3300045988_123625|3300045988|Ga0495776_172610 17685:33673(+)
SspBCDE__SspD (CDS_0029)
CDS_0028
CDS_0030
IMGVR_UViG_3300045988_024127|3300045988|Ga0495776_001487 18063:25751(+)
SspBCDE__SspD (CDS_0025)
CDS_0024
CDS_0026
MGV-GENOME-0203099 14486:21114(+)
SspBCDE__SspD (CDS_0028)
CDS_0029
IMGVR_UViG_3300045988_060710|3300045988|Ga0495776_160599 17685:25132(+)
CDS_0027
CDS_0031
CDS_0032
IMGVR_UViG_3300045988_073895|3300045988|Ga0495776_004128 18711:25775(+)
SspBCDE__SspD (CDS_0030)
CDS_0024
CDS_0031
uvig_479174 19060:26276(+)
7000 nt
DNA, RNA and nucleotide metabolism
integration and excision
lysis
moron, auxiliary metabolic gene and host takeover
other
unknown function
Defence
Virulence
AMR