MazG-like pyrophosphatase (CDS_0047)
CDS_0035
CDS_0037
CDS_0041
CDS_0043
CDS_0045
CDS_0034 CDS_0036
CDS_0038
CDS_0039
CDS_0040
CDS_0042
CDS_0044 CDS_0046
CDS_0048
MGV-GENOME-0303785 25242:35679(+)
CDS_0034
CDS_0035
CDS_0036
CDS_0038
MGV-GENOME-0296318 23243:33131(+)
HNH endonuclease (CDS_0034)
DNA polymerase (CDS_0035)
CDS_0040
uvig_441044_ 23246:31378(+)
DNA polymerase (CDS_0035)
CDS_0034
CDS_0036
CDS_0037
nucleoside 2-deoxyribosyltransferase (CDS_0040)
Shkoporov_2018_SRR6128026_NODE_11_length_47314_cov_39.881885 23925:33850(+)
CDS_0038
IMGVR_UViG_3300045988_067687|3300045988|Ga0495776_015569 23936:33567(+)
CDS_0038
IMGVR_UViG_3300045988_095989|3300045988|Ga0495776_098777 24239:34127(+)
HNH endonuclease (CDS_0039)
MGV-GENOME-0298746 24148:34122(+)
CDS_0037
CDS_0036
CDS_0038
uvig_521944 23654:33749(+)
CDS_0011
MGV-GENOME-0177162 3279:12572(+)
CDS_0035
uvig_112731 23624:33244(+)
CDS_0037
MGV-GENOME-0296909 24284:33632(+)
CDS_0034
MGV-GENOME-0289983 22311:32075(+)
CDS_0037
MazG-like pyrophosphatase (CDS_0044)
MGV-GENOME-0299826 23937:34401(+)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0039)
transcriptional repressor (CDS_0045)
CDS_0043
CDS_0038
MGV-GENOME-0198211 14345:23650(-)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0035)
CDS_0033
CDS_0036
IMGVR_UViG_3300045988_060129|3300045988|Ga0495776_136529 22551:32510(+)
homing endonuclease (CDS_0033)
CDS_0034
CDS_0035
MGV-GENOME-0301536 22262:32143(+)
CDS_0032
CDS_0033
IMGVR_UViG_3300008622_000392|3300008622|Ga0111363_100303|3-46953 22350:32660(+)
CDS_0035
MGV-GENOME-0317640 22859:32226(+)
CDS_0033
uvig_501200 22361:31037(+)
CDS_0033
OTU_1261 22366:31741(+)
CDS_0016
uvig_522647 6502:14986(+)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0027)
CDS_0026
uvig_120628 9158:18225(-)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0036)
CDS_0031
CDS_0037
uvig_209306 24191:33262(+)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0026)
CDS_0027
MGV-GENOME-0277797 18237:27466(+)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0025)
CDS_0026
IMGVR_UViG_3300045988_063499|3300045988|Ga0495776_110265 18384:27614(+)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0034)
CDS_0035
MGV-GENOME-0294234 23299:32354(+)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0033)
CDS_0032
MGV-GENOME-0255600 11155:20375(-)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0034)
transposase (CDS_0035)
CDS_0036
IMGVR_UViG_3300045988_069157|3300045988|Ga0495776_179327 23367:34361(+)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0036)
CDS_0037
IMGVR_UViG_3300045988_061870|3300045988|Ga0495776_117772 23491:32551(+)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0032)
CDS_0031
CDS_0034
CDS_0030
uvig_21327 10961:20832(-)
CDS_0035
CDS_0036
uvig_251607 23292:32509(+)
CDS_0034
CDS_0035
IMGVR_UViG_3300045988_064709|3300045988|Ga0495776_006727 23284:32504(+)
CDS_0034
uvig_254865 23306:31547(+)
CDS_0034
CDS_0035
IMGVR_UViG_3300045988_096192|3300045988|Ga0495776_014584 23343:32398(+)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0038)
CDS_0039
uvig_307179 26240:35460(+)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0026)
CDS_0027
MGV-GENOME-0278519 18674:27852(+)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0035)
CDS_0036
IMGVR_UViG_3300045988_095381|3300045988|Ga0495776_005953 23341:32404(+)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0031)
CDS_0026
CDS_0032
MGV-GENOME-0284150 20486:29684(+)
DNA methyltransferase (CDS_0034)
IMGVR_UViG_3300045988_049776|3300045988|Ga0495776_097522 23351:31695(+)
DNA methyltransferase (CDS_0025)
uvig_213159 13835:22326(+)
HNH endonuclease (CDS_0026)
MGV-GENOME-0186006 9232:17313(-)
HNH endonuclease (CDS_0035)
IMGVR_UViG_3300035645_000049|3300035645|Ga0134409_00319 21668:29774(+)
CDS_0037
IMGVR_UViG_3300029785_000411|3300029785|Ga0243763_1000231|8302-56921 26499:34718(+)
Druantia_II__DruM (CDS_0036)
uvig_594665 22984:32208(+)
Druantia_II__DruM (CDS_0035)
HNH endonuclease (CDS_0034)
MGV-GENOME-0180694 12409:22115(-)
CDS_0034
MGV-GENOME-0295451 23353:31841(+)
DNA methyltransferase (CDS_0039)
uvig_310564 27671:36017(+)
DNA methyltransferase (CDS_0035)
MGV-GENOME-0295105 23360:32287(+)
CDS_0032
MGV-GENOME-0198043 11272:20261(-)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0034)
CDS_0035
CDS_0038
uvig_234062 23265:33254(+)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0035)
IMGVR_UViG_3300045988_071418|3300045988|Ga0495776_015369 23377:33132(+)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0039)
CDS_0040
MGV-GENOME-0321307 27858:37847(+)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0035)
CDS_0036
IMGVR_UViG_3300045988_063549|3300045988|Ga0495776_165905 24721:34399(+)
Druantia_II__DruM (CDS_0039)
IMGVR_UViG_3300045988_184795|3300045988|Ga0495776_031557|25572-78755 29922:39758(+)
DNA methyltransferase (CDS_0035)
IMGVR_UViG_3300045988_066801|3300045988|Ga0495776_029707 24826:33927(+)
DNA methyltransferase (CDS_0036)
MGV-GENOME-0308741 24514:33623(+)
DNA methyltransferase (CDS_0034)
uvig_255524 23415:32723(+)
DNA methyltransferase (CDS_0033)
DNA methyltransferase (CDS_0035)
uvig_227869 23300:33054(+)
HNH endonuclease (CDS_0027)
CDS_0029 CDS_0028
DNA polymerase (CDS_0026)
uvig_280478 8489:17897(-)
CDS_0035
uvig_209461 23366:30446(+)
CDS_0027
DNA invertase (CDS_0026)
CDS_0030 CDS_0031
CDS_0034
IMGVR_UViG_3300007222_000006|3300007222|Ga0104061_100652 20708:31462(+)
DNA methyltransferase (CDS_0003)
CDS_0004
uvig_45893_ 18:7672(+)
RM_Type_II__Type_II_MTases___Type_II_MTases_FAM_0 (CDS_0033)
CDS_0028 CDS_0029
CDS_0034
MGV-GENOME-0299898 20390:32309(+)
DNA methyltransferase (CDS_0034)
uvig_451531 20382:31367(+)
DNA methyltransferase (CDS_0030)
HNH endonuclease (CDS_0033)
CDS_0035
MGV-GENOME-0304771 20593:32006(+)
DNA methyltransferase (CDS_0027)
IMGVR_UViG_3300045988_075659|3300045988|Ga0495776_070985 16719:27447(+)
HNH endonuclease (CDS_0033)
30 31 32
DNA polymerase (CDS_0034)
uvig_587802 18874:31035(+)
26 27 28 29 30
31
Druantia_II__DruM (CDS_0035)
IMGVR_UViG_3300045988_072553|3300045988|Ga0495776_097712 20938:31266(+)
CDS_0026 CDS_0027
MGV-GENOME-0272046 19518:27079(+)
4000 nt
DNA, RNA and nucleotide metabolism
integration and excision
other
transcription regulation
unknown function
Defence