CDS_0028 CDS_0031
CDS_0027 CDS_0032
CDS_0025 CDS_0030 CDS_0034
CDS_0026 CDS_0029 CDS_0033 CDS_0035
MGV-GENOME-0298746 19318:26823(+)
CDS_0030
uvig_594665 18929:26340(+)
CDS_0022 CDS_0027 CDS_0029 CDS_0031
uvig_209306 18571:26164(+)
CDS_0027
integrase (CDS_0028) transcriptional repressor (CDS_0029)
uvig_162477 18574:26794(+)
CDS_0028
uvig_302468 18692:24686(+)
27 28 29 30 31 32 34
uvig_40448 18609:28182(+)
28
27 29 30 31
IMGVR_UViG_3300045988_077444|3300045988|Ga0495776_154889 18609:27533(+)
transposase (CDS_0031)
transposase (CDS_0030)
27 28 29 32 33
uvig_325624 18614:33853(+)
transposase (CDS_0029)
27 28 30 31
MGV-GENOME-0321307 18614:29826(+)
28 30
27 29 31 32
uvig_183444 18697:28587(+)
CDS_0028
CDS_0027 CDS_0029 CDS_0033
uvig_182366 18571:28646(+)
DNA invertase (CDS_0028)
CDS_0027 CDS_0031
IMGVR_UViG_3300045988_095402|3300045988|Ga0495776_097855 18693:26799(+)
CDS_0027
uvig_40853 18696:24994(+)
CDS_0028
MGV-GENOME-0313081 18693:25548(+)
CDS_0027
uvig_82822 18613:25027(+)
integrase (CDS_0027)
IMGVR_UViG_3300045988_066801|3300045988|Ga0495776_029707 18611:26337(+)
CDS_0028
IMGVR_UViG_3300029592_000011|3300029592|Ga0245129_100440 18771:25967(+)
CDS_0027
MGV-GENOME-0303648 18571:25374(+)
CDS_0027
MGV-GENOME-0347750 18634:24979(+)
CDS_0027
IMGVR_UViG_3300045988_063538|3300045988|Ga0495776_136318 18569:25444(+)
CDS_0027
IMGVR_UViG_3300045988_060129|3300045988|Ga0495776_136529 18575:24942(+)
CDS_0027
uvig_162668 18575:25618(+)
CDS_0028
IMGVR_UViG_3300029587_000424|3300029587|Ga0245119_100012|34-47414 18693:26151(+)
CDS_0028
IMGVR_UViG_3300029717_000017|3300029717|Ga0245160_1000609 18636:25456(+)
CDS_0027
IMGVR_UViG_3300045988_063549|3300045988|Ga0495776_165905 18570:26232(+)
CDS_0028
MGV-GENOME-0306158 18782:25536(+)
CDS_0027
IMGVR_UViG_3300045988_062644|3300045988|Ga0495776_148045 18571:25137(+)
integrase (CDS_0028)
MGV-GENOME-0302736 18695:25890(+)
CDS_0028
MGV-GENOME-0317640 18771:25251(+)
CDS_0028
uvig_269762 18700:26179(+)
CDS_0027
IMGVR_UViG_3300045988_083965|3300045988|Ga0495776_169184 18612:25420(+)
CDS_0027
IMGVR_UViG_3300029734_000260|3300029734|Ga0245168_100330|32303-84064 18605:29386(+)
integrase (CDS_0027)
uvig_319906 18571:25258(+)
CDS_0029
CDS_0028
MGV-GENOME-0340113 18699:26329(+)
CDS_0028
IMGVR_UViG_3300029853_000243|3300029853|Ga0245292_100078|66-46573 18695:25056(+)
CDS_0028
MGV-GENOME-0307869 18701:25962(+)
CDS_0027 CDS_0028
uvig_78074 18574:26749(+)
CDS_0027
MGV-GENOME-0305248 18574:25899(+)
Doc-like toxin (CDS_0028)
CDS_0029
uvig_41314 18706:26704(+)
Doc-like toxin (CDS_0028)
MGV-GENOME-0303604 18706:25921(+)
CDS_0028
CDS_0027
uvig_76967 18566:25898(+)
CDS_0027
MGV-GENOME-0300823 18566:25627(+)
integrase (CDS_0027)
IMGVR_UViG_3300045988_084338|3300045988|Ga0495776_177791 18570:25680(+)
integrase (CDS_0028)
CDS_0027
IMGVR_UViG_3300045988_092476|3300045988|Ga0495776_158967 18615:26354(+)
CDS_0027 CDS_0028
IMGVR_UViG_3300045988_186659|3300045988|Ga0495776_171395|3-47226 18570:25451(+)
CDS_0027
uvig_248963 18616:26676(+)
CDS_0029
CDS_0028 CDS_0030
uvig_3855 18734:28767(+)
mecC-type methicillin resistance repressor MecI (NF000244.1) (CDS_0028)
CDS_0027 CDS_0029
IMGVR_UViG_3300045988_124371|3300045988|Ga0495776_114571 18578:30338(+)
mecC-type methicillin resistance repressor MecI (NF000244.1) (CDS_0028)
MGV-GENOME-0308741 18757:26025(+)
CDS_0028 CDS_0029
IMGVR_UViG_3300014963_000030|3300014963|Ga0134523_1001456 18755:26333(+)
CDS_0028 CDS_0029
uvig_380922 18781:25818(+)
CDS_0027
CDS_0026
IMGVR_UViG_3300045988_091993|3300045988|Ga0495776_028650 18577:26042(+)
CDS_0028
CDS_0027
IMGVR_UViG_3300045988_091114|3300045988|Ga0495776_136444 18613:25867(+)
CDS_0028 CDS_0029
MGV-GENOME-0302530 18697:26568(+)
CDS_0028
CDS_0027 CDS_0029
uvig_244252 18609:26749(+)
CDS_0028
IMGVR_UViG_3300045988_113742|3300045988|Ga0495776_174540 18694:26235(+)
CDS_0027
CDS_0026 CDS_0028
uvig_339523 18577:28316(+)
CDS_0028 CDS_0030
CDS_0029 CDS_0031
IMGVR_UViG_3300045988_111753|3300045988|Ga0495776_157502 18695:28571(+)
CDS_0027
CDS_0026 CDS_0028
IMGVR_UViG_3300045988_070269|3300045988|Ga0495776_169264 18571:27130(+)
CDS_0028
CDS_0027 CDS_0029
MGV-GENOME-0308474 18612:26562(+)
CDS_0029
CDS_0027 CDS_0030
CDS_0028
uvig_48439 18612:27195(+)
CDS_0028
IMGVR_UViG_3300006257_000240|3300006257|Ga0099346_100310|3269-51110 18695:25886(+)
CDS_0026
CDS_0027
IMGVR_UViG_3300029561_000006|3300029561|Ga0244853_100484 18571:26248(+)
CDS_0028
CDS_0027 CDS_0029
MGV-GENOME-0327982 18610:28608(+)
CDS_0028
CDS_0027 CDS_0029
IMGVR_UViG_3300029785_000411|3300029785|Ga0243763_1000231|8302-56921 18616:28010(+)
CDS_0029
CDS_0028 CDS_0030
uvig_307179 18694:27751(+)
CDS_0029
CDS_0028
CDS_0030
uvig_203013 18775:26988(+)
CDS_0028
CDS_0029 CDS_0030
uvig_74350 18701:26719(+)
CDS_0029
CDS_0028
CDS_0030
uvig_282834 18694:26228(+)
transposase (CDS_0031)
28 29 30 32
uvig_30140 18768:29419(+)
transposase (CDS_0029)
CDS_0028 CDS_0030
MGV-GENOME-0312729 18768:27760(+)
CDS_0029
CDS_0030
CDS_0028 integrase (CDS_0031)
MGV-GENOME-0321293 18758:28560(+)
CDS_0029
CDS_0030
CDS_0028 integrase (CDS_0031)
uvig_153718 18758:28599(+)
CDS_0027
CDS_0028 CDS_0029 CDS_0030
IMGVR_UViG_3300045988_120840|3300045988|Ga0495776_058373 18602:29958(+)
CDS_0028 CDS_0029 CDS_0030 CDS_0034
uvig_161179 18693:29364(+)
DNA binding protein (CDS_0031)
27 28 29 30 32 33
IMGVR_UViG_2909448145_000002|2909448145|2909448164 18615:32043(+)
DNA binding protein (CDS_0027)
CDS_0028 CDS_0029
IMGVR_UViG_2909448145_000013|2909448145|2909448164|1-49103 18615:27598(+)
27 28 29 30 31
IMGVR_UViG_3300045988_184795|3300045988|Ga0495776_031557|25572-78755 18610:31433(+)
28 29 30 31 32
uvig_65364 18693:30442(+)
ATPase (CDS_0030)
27 28 29 31
uvig_240910 18612:28707(+)
28 29 3031 32
IMGVR_UViG_3300006257_000089|3300006257|Ga0099346_100310 18695:29203(+)
27 28 29 30 31 32
MGV-GENOME-0329866 18576:30188(+)
28 29 30 31 32 33
uvig_210084 18693:30862(+)
26 27 28 29 30 DNA helicase (CDS_0031)
uvig_110366 18571:31105(+)
29
27 28 30 31 32 integrase (CDS_0033)
uvig_79484 18615:31937(+)
integrase (CDS_0028)
CDS_0027 CDS_0033
IMGVR_UViG_3300029746_000336|3300029746|Ga0245173_100286|290-47746 18570:27767(+)
PRK|PRK10026.1: glutaredoxin-dependent arsenate reductase (NF007456.1) (CDS_0030)
Uzume__UzuA (CDS_0028)
27 29 31 32 integrase (CDS_0033)
MGV-GENOME-0315526 18570:29737(+)
transposase (CDS_0030)
28 29 31 32 33 34 35
IMGVR_UViG_3300008103_000112|3300008103|Ga0114180_100433 18787:33478(+)
27 28 29 30 31 32 33 34 35
uvig_566725 18574:31539(+)
CDS_0026
CDS_0021 CDS_0027
uvig_165656 17928:25395(+)
CDS_0020 CDS_0025
MGV-GENOME-0336310 16740:25070(+)
CDS_0026 CDS_0028
CDS_0027 CDS_0029
IMGVR_UViG_3300045988_186476|3300045988|Ga0495776_169346|2-49232 17891:27314(+)
clamp loader of DNA polymerase (CDS_0026)
CDS_0029
IMGVR_UViG_3300029615_000378|3300029615|Ga0245146_100042|43790-92617 17890:27253(+)
glycopeptide resistance transcriptional regulator VanU (NF000090.1) (CDS_0035)
FabG-like 3-oxoacyl-(acyl-carrier-protein) reductase (CDS_0031) integrase (CDS_0037)
28 29 30 32 33 34 36 38
MGV-GENOME-0340222 18693:37903(+)
Retron_VI_HTH (CDS_0033)
27 28 29 30 31 32 34 35 36
uvig_401057 18568:33557(+)
transcriptional regulator (CDS_0033)
27 28 29 30 31 32 34 35 36 37 38
uvig_130427 18610:36460(+)
transcriptional regulator (CDS_0032)
26 27 28 29 30 31 33 34 35 36 37 38 39
uvig_231094 18571:37496(+)
29
22 27 28 30 31
uvig_310564 17929:29182(+)
dehydrogenase (CDS_0034)
26 27 28 29 30 31 32 33 35 36 37
uvig_389626 18612:40190(+)
mecC-type methicillin resistance repressor MecI (NF000244.1) (CDS_0027)
26 28 29 30 31 32 33 34 35 36 37 38 39 40
uvig_313131 18612:39883(+)
Lamassu-Fam__LmuB_SMC_Cap4_nuclease_II (CDS_0030)
ABC transporter (VF0818) (CDS_0032)
ABC transporter (VF0818) (CDS_0033)
27 28 29 31 34 35 36 37 38 39 40 41
uvig_282522 18675:43222(+)
mecC-type methicillin resistance repressor MecI (NF000244.1) (CDS_0028)
27 29 30 31 32 33 34 35 integrase (CDS_0036)
uvig_405020 18572:34472(+)
RM_Type_II__Type_II_MTases__Type_II_MTases_FAM_0 (CDS_0035)
DNA polymerase (CDS_0037)
CDS_0030 CDS_0036
IMGVR_UViG_3300045988_095381|3300045988|Ga0495776_005953 20322:29944(+)
CDS_0031 CDS_0037
IMGVR_UViG_3300045988_061870|3300045988|Ga0495776_117772 20346:30094(+)
CDS_0030 CDS_0035
uvig_251607 20266:29893(+)
CDS_0031 CDS_0036
MGV-GENOME-0267605 20346:29235(+)
CDS_0030
CDS_0027 CDS_0031 CDS_0034
IMGVR_UViG_3300007222_000006|3300007222|Ga0104061_100652 18980:28993(+)
MutT/NUDIX hydrolase (CDS_0002)
1 3 4 5 6
uvig_49512 1:10571(+)
CDS_0069
uvig_302966 43264:47407(-)
9000 nt
DNA, RNA and nucleotide metabolism
integration and excision
moron, auxiliary metabolic gene and host takeover
other
transcription regulation
unknown function
Defence
Virulence
AMR