Retron_VI__HTH (CDS_0034)
endolysin (CDS_0030)
transposase (CDS_0035)
SspBCDE__SspD (CDS_0044)
Mu Gam-like end protection (CDS_0048)
MGV-GENOME-0276580 20991:32902(+)
uvig_291093 20991:33826(+)
CDS_0029
CDS_0034
CDS_0038
CDS_0037
CDS_0039
CDS_0042
CDS_0043
CDS_0044
IMGVR_UViG_3300029414_000265|3300029414|Ga0243798_100044|208997-247539 20782:30565(+)
IMGVR_UViG_3300029420_000299|3300029420|Ga0243803_100413|31926-69313 20782:29410(+)
IMGVR_UViG_3300029348_000081|3300029348|Ga0243800_100786 21015:32190(+)
IMGVR_UViG_3300029356_000229|3300029356|Ga0243797_100308|31827-68317 20782:28513(+)
IMGVR_UViG_3300029771_000272|3300029771|Ga0243801_100169|2-36954 20782:28975(+)
CDS_0036
IMGVR_UViG_3300029733_000275|3300029733|Ga0245176_100386|5390-42864 20991:29790(+)
primosomal protein (CDS_0046)
IMGVR_UViG_3300029710_000113|3300029710|Ga0245233_100856 20978:32336(+)
Trigger factor (VF1056) (CDS_0040)
O-antigen (VF0392) (CDS_0045)
FeoAB (VF0160) (CDS_0044)
uvig_445848 21015:39563(+)
IMGVR_UViG_3300045988_063343|3300045988|Ga0495776_083993 20979:28985(+)
CDS_0035
IMGVR_UViG_3300045988_056373|3300045988|Ga0495776_146289 20992:28305(+)
MGV-GENOME-0303245 20979:28823(+)
IMGVR_UViG_3300045988_057707|3300045988|Ga0495776_062530 20979:27519(+)
IMGVR_UViG_3300045988_185311|3300045988|Ga0495776_185921|6934-42612 21429:27706(+)
IMGVR_UViG_3300045988_051953|3300045988|Ga0495776_125633 20979:27426(+)
MGV-GENOME-0328276 20940:34092(+)
uvig_399346 20940:29383(+)
endolysin (CDS_0033)
CDS_0032
IMGVR_UViG_7000000333_000152|7000000333|SRS050925_LANL_scaffold_36642 21687:29431(+)
DNA topoisomerase II large subunit (CDS_0037)
MGV-GENOME-0308265 21681:29815(+)
IMGVR_UViG_3300045988_070662|3300045988|Ga0495776_182210 21687:29636(+)
MGV-GENOME-0261645 21687:29284(+)
IMGVR_UViG_3300045988_089116|3300045988|Ga0495776_125757 21687:30068(+)
uvig_378336 21586:29111(+)
MGV-GENOME-0253302 21687:29224(+)
IMGVR_UViG_3300045988_078918|3300045988|Ga0495776_173108 21687:29902(+)
IMGVR_UViG_3300045988_081032|3300045988|Ga0495776_044895 21687:29304(+)
IMGVR_UViG_3300045988_061146|3300045988|Ga0495776_016079 21687:29013(+)
IMGVR_UViG_3300045988_077911|3300045988|Ga0495776_182124 21687:28846(+)
IMGVR_UViG_3300014806_000111|3300014806|Ga0134388_1000361 21687:31987(+)
IMGVR_UViG_3300007991_000140|3300007991|Ga0105643_100681 21624:31160(+)
MGV-GENOME-0327516 21687:34195(+)
endolysin (CDS_0031)
IMGVR_UViG_3300029766_000081|3300029766|Ga0242809_101059 21674:30055(+)
RecJ-like ssDNA exonuclease (CDS_0038)
IMGVR_UViG_3300008599_000141|3300008599|Ga0111091_100469 21674:31355(+)
IMGVR_UViG_3300045988_069202|3300045988|Ga0495776_015744 21437:28508(+)
IMGVR_UViG_3300029330_000290|3300029330|Ga0242808_100836|6757-42792 21438:27956(+)
IMGVR_UViG_3300029790_000320|3300029790|Ga0242825_1000203|1-41455 21674:33375(+)
IMGVR_UViG_3300029437_000142|3300029437|Ga0242826_1000827 21674:33728(+)
IMGVR_UViG_3300029445_000486|3300029445|Ga0243741_1000826|9587-44786 21682:28111(+)
IMGVR_UViG_3300029795_000415|3300029795|Ga0243742_1000700|4424-39315 21440:27803(+)
VirR/VirS (VF0791) (CDS_0040)
RegX3 (VF0858) (CDS_0039)
DNA invertase (CDS_0038)
Han_2018_ERR1398139_NODE_136_length_47696_cov_5.405554 21675:39605(+)
IMGVR_UViG_3300029339_000388|3300029339|Ga0242823_1000144|29096-68024 21674:31714(+)
SspBCDE__SspD (CDS_0037)
IMGVR_UViG_3300045988_054651|3300045988|Ga0495776_154398 21678:29456(+)
SspBCDE__SspD (CDS_0039)
MGV-GENOME-0268911 21677:29550(+)
IMGVR_UViG_3300029702_000303|3300029702|Ga0245265_100819|2-37428 21684:30209(+)
IMGVR_UViG_3300007353_000080|3300007353|Ga0104758_100543 21674:32178(+)
IMGVR_UViG_3300045988_055206|3300045988|Ga0495776_126503 21674:30315(+)
IMGVR_UViG_3300045988_057532|3300045988|Ga0495776_015145 22597:28931(+)
MGV-GENOME-4412876 22586:28577(+)
SbcD-like subunit of palindrome specific endonuclease (CDS_0037)
MGV-GENOME-0301269 23271:34639(+)
MGV-GENOME-0252173 22597:28828(+)
IMGVR_UViG_3300045988_054535|3300045988|Ga0495776_127045 22586:29666(+)
MGV-GENOME-0301726 23276:29640(+)
IMGVR_UViG_3300045988_048978|3300045988|Ga0495776_127472 23283:29700(+)
IMGVR_UViG_3300045988_056370|3300045988|Ga0495776_044375 23273:29982(+)
IMGVR_UViG_3300045988_078027|3300045988|Ga0495776_148062 23277:30755(+)
IMGVR_UViG_3300045988_054824|3300045988|Ga0495776_044483 23273:30021(+)
MGV-GENOME-0251511 22600:29201(+)
IMGVR_UViG_3300045988_069333|3300045988|Ga0495776_015725 23277:29798(+)
IMGVR_UViG_3300045988_049737|3300045988|Ga0495776_086884 22598:29199(+)
SspBCDE__SspD (CDS_0013)
MGV-GENOME-0207921 3671:10284(-)
MGV-GENOME-0250950 23280:30459(+)
replication initiation protein (CDS_0045)
DnaC-like helicase loader (CDS_0046)
IMGVR_UViG_3300045988_052096|3300045988|Ga0495776_015684 23280:31352(+)
IMGVR_UViG_3300045988_065905|3300045988|Ga0495776_126955 22582:29629(+)
AdsA (VF0422) (CDS_0051)
uvig_535544 21684:44317(+)
anaerobic ribonucleotide reductase small subunit (CDS_0043)
antitoxin from a toxin-antitoxin system (CDS_0046)
anaerobic ribonucleoside reductase large subunit (CDS_0044)
D-alanine-polyphosphoribitol ligase DltA (VF0795) (CDS_0035)
Lysine synthesis (VF0815) (CDS_0037)
dUTPase (CDS_0042)
O-antigen (VF0392) (CDS_0045)
uvig_202277 20991:48186(+)
10000 nt
DNA, RNA and nucleotide metabolism
integration and excision
lysis
moron, auxiliary metabolic gene and host takeover
unknown function
Defence
Virulence