HicB-like antitoxin (CDS_0130)
RelE-like toxin (CDS_0129)
integrase (CDS_0132)
transcriptional regulator (CDS_0136)
uvig_222232 72262:81370(+)
HicB-like antitoxin (CDS_0096)
RelE-like toxin (CDS_0095)
integrase (CDS_0098)
MGV-GENOME-0357027 54270:63379(+)
HicB-like antitoxin (CDS_0130)
RelE-like toxin (CDS_0129)
integrase (CDS_0132)
IMGVR_UViG_3300045988_066184|3300045988|Ga0495776_163769 71410:81616(+)
HicB-like antitoxin (CDS_0131)
RelE-like toxin (CDS_0130)
integrase (CDS_0133)
MGV-GENOME-0368481 71934:81061(+)
HicB-like antitoxin (CDS_0130)
RelE-like toxin (CDS_0129)
transposase (CDS_0132)
IMGVR_UViG_3300029747_000312|3300029747|Ga0245228_100048|28118-135361 71836:84284(+)
HicB-like antitoxin (CDS_0129)
RelE-like toxin (CDS_0128)
CDS_0127
CDS_0130
IMGVR_UViG_3300045988_033091|3300045988|Ga0495776_111984 71608:79266(+)
HicB-like antitoxin (CDS_0116)
RelE-like toxin (CDS_0115)
integrase (CDS_0117)
CDS_0114
HNH endonuclease (CDS_0123)
IMGVR_UViG_3300007742_000004|3300007742|Ga0105758_1000137 65323:74098(+)
tyrosyl-tRNA synthetase (CDS_0133)
HicB-like antitoxin (CDS_0132)
RelE-like toxin (CDS_0131)
integrase (CDS_0135)
uvig_43086 72272:83417(+)
HicB-like antitoxin (CDS_0132)
RelE-like toxin (CDS_0131)
integrase (CDS_0134)
IMGVR_UViG_3300045988_059523|3300045988|Ga0495776_188248 71817:81819(+)
HicB-like antitoxin (CDS_0132)
RelE-like toxin (CDS_0131)
CDS_0130
transposase (CDS_0133)
IMGVR_UViG_3300045988_032596|3300045988|Ga0495776_156784 71653:80206(+)
HicB-like antitoxin (CDS_0132)
RelE-like toxin (CDS_0131)
integrase (CDS_0134)
IMGVR_UViG_3300045988_032608|3300045988|Ga0495776_130133 72033:81861(+)
HicB-like antitoxin (CDS_0132)
RelE-like toxin (CDS_0131)
integrase (CDS_0134)
MGV-GENOME-0373831 72033:82764(+)
HicB-like antitoxin (CDS_0132)
RelE-like toxin (CDS_0131)
integrase (CDS_0137)
uvig_463683 71635:84057(+)
HicB-like antitoxin (CDS_0132)
RelE-like toxin (CDS_0131)
integrase (CDS_0136)
MGV-GENOME-0370019 71635:82122(+)
tyrosyl-tRNA synthetase (CDS_0131)
HicB-like antitoxin (CDS_0129)
RelE-like toxin (CDS_0128)
integrase (CDS_0135)
uvig_401103 72239:87063(+)
HicB-like antitoxin (CDS_0129)
RelE-like toxin (CDS_0128)
integrase (CDS_0131)
IMGVR_UViG_3300045988_022779|3300045988|Ga0495776_174681 70751:80902(+)
HicB-like antitoxin (CDS_0127)
RelE-like toxin (CDS_0126)
integrase (CDS_0134)
IMGVR_UViG_3300029251_000192|3300029251|Ga0167475_100140 71446:85443(+)
HicB-like antitoxin (CDS_0130)
RelE-like toxin (CDS_0129)
integrase (CDS_0134)
uvig_200026 71650:82955(+)
HicB-like antitoxin (CDS_0131)
RelE-like toxin (CDS_0130)
integrase (CDS_0135)
uvig_460695 72082:82976(+)
HicB-like antitoxin (CDS_0131)
RelE-like toxin (CDS_0130)
integrase (CDS_0133)
uvig_202299 71825:81178(+)
tyrosyl-tRNA synthetase (CDS_0130)
integrase (CDS_0132)
CDS_0131
uvig_485388 71930:82517(+)
tyrosyl-tRNA synthetase (CDS_0131)
integrase (CDS_0133)
CDS_0132
uvig_513409 72483:83603(+)
CDS_0130
CDS_0131
IMGVR_UViG_3300029119_000352|3300029119|Ga0168816_100041|78837-182698 71817:80910(+)
DNA invertase (CDS_0131)
CDS_0130
IMGVR_UViG_3300030444_000269|3300030444|Ga0168855_100084|3911-107326 71812:80904(+)
HicB-like antitoxin (CDS_0115)
RelE-like toxin (CDS_0114)
integrase (CDS_0118)
uvig_196302 64146:74897(+)
tyrosyl-tRNA synthetase (CDS_0139)
HicB-like antitoxin (CDS_0130)
Sigma M (VF0822) (CDS_0136)
RelE-like toxin (CDS_0129)
integrase (CDS_0144)
uvig_434533_ 71704:93346(+)
RuvC-like Holliday junction resolvase (CDS_0143)
clamp loader of DNA polymerase (CDS_0145)
HicB-like antitoxin (CDS_0134)
RelE-like toxin (CDS_0133)
integrase (CDS_0142)
integrase (CDS_0150)
uvig_186260 72273:92155(+)
toxin (CDS_0130)
CDS_0127
HicB-like antitoxin (CDS_0131)
IMGVR_UViG_3300045988_023961|3300045988|Ga0495776_174248 72233:78894(+)
HicB-like antitoxin (CDS_0134)
exonuclease (CDS_0142)
CDS_0138
toxin (CDS_0133)
CDS_0141
MGV-GENOME-0368710 72101:79005(+)
HicB-like antitoxin (CDS_0129)
toxin (CDS_0128)
IMGVR_UViG_3300029623_000457|3300029623|Ga0245138_1000048|7263-111291 71903:80987(+)
HicB-like antitoxin (CDS_0129)
toxin (CDS_0128)
integrase (CDS_0131)
CDS_0130
uvig_299549 71889:81019(+)
HicB-like antitoxin (CDS_0132)
RelE-like toxin (CDS_0131)
IMGVR_UViG_3300045988_024163|3300045988|Ga0495776_164663 71635:79187(+)
HicB-like antitoxin (CDS_0133)
RelE-like toxin (CDS_0132)
CDS_0131
CDS_0134
RecT-like ssDNA annealing protein (CDS_0140)
MGV-GENOME-0371928 71735:79149(+)
HicB-like antitoxin (CDS_0130)
toxin (CDS_0129)
CDS_0131
IMGVR_UViG_3300045988_025490|3300045988|Ga0495776_183584 71919:79711(+)
HicB-like antitoxin (CDS_0131)
toxin (CDS_0130)
IMGVR_UViG_3300045988_036290|3300045988|Ga0495776_151159 71812:78744(+)
Hemolysin (VF0879) (CDS_0160)
HicB-like antitoxin (CDS_0131)
transcriptional repressor (CDS_0142)
exonuclease (CDS_0155)
RelE-like toxin (CDS_0130)
RecN (VF0457) (CDS_0163)
integrase (CDS_0167)
uvig_184125 72596:111316(+)
HicB-like antitoxin (CDS_0131)
RelE-like toxin (CDS_0130)
transcriptional repressor (CDS_0143)
integrase (CDS_0152)
uvig_441725_ 72465:101266(+)
RuvC-like Holliday junction resolvase (CDS_0135)
clamp loader of DNA polymerase (CDS_0138)
Exopolysaccharide (VF0755) (CDS_0139)
HicB-like antitoxin (CDS_0129)
RelE-like toxin (CDS_0128)
RNA polymerase sigma factor (CDS_0140)
tyrosyl-tRNA synthetase (CDS_0152)
LigA (VF1220) (CDS_0149)
integrase (CDS_0156)
uvig_133000 71908:105640(+)
RuvC-like Holliday junction resolvase (CDS_0135)
clamp loader of DNA polymerase (CDS_0137)
RNA polymerase sigma factor (CDS_0139)
Exopolysaccharide (VF0755) (CDS_0138)
HicB-like antitoxin (CDS_0129)
RelE-like toxin (CDS_0128)
integrase (CDS_0151)
uvig_405069 71952:97683(+)
RuvC-like Holliday junction resolvase (CDS_0136)
clamp loader of DNA polymerase (CDS_0138)
RNA polymerase sigma factor (CDS_0140)
Exopolysaccharide (VF0755) (CDS_0139)
HicB-like antitoxin (CDS_0129)
integrase (CDS_0135)
tyrosyl-tRNA synthetase (CDS_0154)
Hemolysin (VF0879) (CDS_0149)
toxin (CDS_0128)
RecN (VF0457) (CDS_0152)
integrase (CDS_0158)
Ma_2019_SRR341687_NODE_61_length_122513_cov_3.690996 72157:107294(+)
RuvC-like Holliday junction resolvase (CDS_0135)
clamp loader of DNA polymerase (CDS_0137)
RNA polymerase sigma factor (CDS_0138)
HicB-like antitoxin (CDS_0129)
RelE-like toxin (CDS_0128)
integrase (CDS_0134)
MG_301/GAPDH (VF0887) (CDS_0147)
phosphofructokinase (CDS_0149)
tyrosyl-tRNA synthetase (CDS_0164)
Hemolysin (VF0879) (CDS_0160)
RecN (VF0457) (CDS_0163)
integrase (CDS_0166)
uvig_74412 71488:114570(+)
clamp loader of DNA polymerase (CDS_0137)
HicB-like antitoxin (CDS_0129)
RelE-like toxin (CDS_0128)
integrase (CDS_0134)
MG_301/GAPDH (VF0887) (CDS_0147)
phosphofructokinase (CDS_0149)
tyrosyl-tRNA synthetase (CDS_0164)
Hemolysin (VF0879) (CDS_0160)
RecN (VF0457) (CDS_0163)
integrase (CDS_0166)
MGV-GENOME-0374382 71488:114570(+)
radical SAM domain-containing protein (CDS_0138)
HicB-like antitoxin (CDS_0133)
RelE-like toxin (CDS_0132)
tyrosyl-tRNA synthetase (CDS_0162)
Retron_VI_HTH (CDS_0165)
ThiF family (CDS_0163)
RpoS (VF0166) (CDS_0149)
DNA primase (CDS_0150)
integrase (CDS_0171)
uvig_248986 72557:116141(+)
mecC-type methicillin resistance repressor MecI (NF000244.1) (CDS_0145)
Lsa family ABC-F type ribosomal protection protein (NF000167.2) (CDS_0140)
radical SAM domain-containing protein (CDS_0137)
HicB-like antitoxin (CDS_0132)
RelE-like toxin (CDS_0131)
SigE (VF0295) (CDS_0158)
transposase (CDS_0156)
endolysin (CDS_0146)
transposase (CDS_0160)
uvig_233582 71653:105817(+)
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