Lvh (Legionella vir homologs) type IVA secretion system (VF0799) (OHFNOACP_00020)
Plasmid replication initiator protein TrfA (OHFNOACP_00023)
mRNA interferase toxin YafQ (OHFNOACP_00027)
KlcA anti-RM (APIS007) (OHFNOACP_00029)
Single-stranded DNA-binding protein (OHFNOACP_00022)
Protein KlcB (OHFNOACP_00031)
Bicarbonate transporter BicA (OHFNOACP_00024)
19 21 25 26 28 30 32 33 34
IMGPR_plasmid_3300005046_000013 14776:26777(+)
mRNA interferase toxin YafQ (OCEHFEIN_00030)
OCEHFEIN_00031 OCEHFEIN_00029
IMGPR_plasmid_3300009076_000001 24948:33997(-)
AALOOFPL_00035
AALOOFPL_00034
AALOOFPL_00036
IMGPR_plasmid_641210414_000001 24985:35147(-)
Bicarbonate transporter BicA (JOPPOIDI_00024)
JOPPOIDI_00027
JOPPOIDI_00026
JOPPOIDI_00025
JOPPOIDI_00028
IMGPR_plasmid_3300005080_000032 14746:25721(+)
Tn3 family transposase IS1071 (KHGFBGKG_00022)
KHGFBGKG_00024
KHGFBGKG_00023
KHGFBGKG_00029
IMGPR_plasmid_3300006182_000003 13701:25672(+)
Tn3 family transposase IS1071 (AJFADIOI_00026)
AJFADIOI_00024
AJFADIOI_00025
IMGPR_plasmid_3300006023_000006 19767:31738(-)
HTH-type transcriptional regulator GltC (KKKJPMFE_00018)
IS110 family transposase IS4321R (KKKJPMFE_00019)
IS110 family transposase IS4321L (KKKJPMFE_00016)
17 15 14
IMGPR_plasmid_640048305_000001 5329:19061(-)
APH(6)-I family aminoglycoside O-phosphotransferase (NF012171.0) (NKIMKFLC_00036)
sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (NKIMKFLC_00033)
aminoglycoside O-phosphotransferase APH(3'')-Ib (NF032895.1) (NKIMKFLC_00037)
Tn3 family transposase IS1071 (NKIMKFLC_00035)
Tn3 family transposase (NKIMKFLC_00039)
IS6 family transposase IS6100 (NKIMKFLC_00034)
40 DNA-invertase hin (NKIMKFLC_00038) 32 31 30
IMGPR_plasmid_2645727853_000001 23258:42691(-)
Protein KlcB (AJNBBLIL_00010)
AJNBBLIL_00013
AJNBBLIL_00012
TrfB transcriptional repressor protein (AJNBBLIL_00006)
IMGPR_plasmid_641210244_000001 4257:13368(-)
TIGRFAMs: mercury resistance system periplasmic binding protein MerP (TIGR02052.1) (FLNPIPIF_00049)
PRK|PRK13747.1: broad-spectrum mercury transporter MerE (NF010310.2) (FLNPIPIF_00046)
mercury resistance co-regulator MerD (NF033783.1) (FLNPIPIF_00047)
mercuric transport protein MerT (NF033560.1) (FLNPIPIF_00050)
ISL3 family transposase ISStma11 (FLNPIPIF_00051)
DNA-invertase hin (FLNPIPIF_00044)
mRNA interferase toxin YafQ (FLNPIPIF_00052)
Mercuric reductase (FLNPIPIF_00048)
Tn3 family transposase TnAs2 (FLNPIPIF_00043)
45 53
IMGPR_plasmid_2731957622_000001 35293:52000(+)
TIGRFAMs: mercury resistance system periplasmic binding protein MerP (TIGR02052.1) (PDPNCNKM_00011)
PRK|PRK13747.1: broad-spectrum mercury transporter MerE (NF010310.2) (PDPNCNKM_00014)
mercury resistance co-regulator MerD (NF033783.1) (PDPNCNKM_00013)
mercuric transport protein MerT (NF033560.1) (PDPNCNKM_00010)
ISL3 family transposase ISStma11 (PDPNCNKM_00009)
mRNA interferase toxin YafQ (PDPNCNKM_00008)
DNA-invertase hin (PDPNCNKM_00016)
Mercuric reductase (PDPNCNKM_00012)
Tn3 family transposase TnAs2 (PDPNCNKM_00017)
15 7
IMGPR_plasmid_2619619207_000001 102:17344(-)
TIGRFAMs: mercury resistance system periplasmic binding protein MerP (TIGR02052.1) (LBODAGGE_00038)
PRK|PRK13747.1: broad-spectrum mercury transporter MerE (NF010310.2) (LBODAGGE_00035)
PRK|PRK13752.1: Hg(II)-responsive transcriptional regulator (NF010315.0) (LBODAGGE_00040)
APH(6)-I family aminoglycoside O-phosphotransferase (NF012171.0) (LBODAGGE_00031)
aminoglycoside O-phosphotransferase APH(3'')-Ib (NF032895.1) (LBODAGGE_00030)
mercury resistance co-regulator MerD (NF033783.1) (LBODAGGE_00036)
mercuric transport protein MerT (NF033560.1) (LBODAGGE_00039)
Tn3 family transposase (LBODAGGE_00029)
DNA-invertase hin (LBODAGGE_00033)
mRNA interferase toxin YafQ (LBODAGGE_00027)
Mercuric reductase (LBODAGGE_00037)
Tn3 family transposase IS1071 (LBODAGGE_00028)
34 32 26
IMGPR_plasmid_2802429198_000002 21087:41238(-)
TIGRFAMs: mercury resistance system periplasmic binding protein MerP (TIGR02052.1) (PBMLCLNF_00053)
PRK|PRK13747.1: broad-spectrum mercury transporter MerE (NF010310.2) (PBMLCLNF_00056)
PRK|PRK13752.1: Hg(II)-responsive transcriptional regulator (NF010315.0) (PBMLCLNF_00051)
mercury resistance co-regulator MerD (NF033783.1) (PBMLCLNF_00055)
mercuric transport protein MerT (NF033560.1) (PBMLCLNF_00052)
Mercuric reductase (PBMLCLNF_00054)
57 DNA-invertase hin (PBMLCLNF_00058)
IMGPR_plasmid_3300025706_000004 42150:51294(+)
TIGRFAMs: mercury resistance system periplasmic binding protein MerP (TIGR02052.1) (NPCGAGNP_00007)
PRK|PRK13747.1: broad-spectrum mercury transporter MerE (NF010310.2) (NPCGAGNP_00004)
PRK|PRK13752.1: Hg(II)-responsive transcriptional regulator (NF010315.0) (NPCGAGNP_00009)
mercury resistance co-regulator MerD (NF033783.1) (NPCGAGNP_00005)
mercuric transport protein MerT (NF033560.1) (NPCGAGNP_00008)
DNA-invertase hin (NPCGAGNP_00002)
Mercuric reductase (NPCGAGNP_00006)
3 Tn3 family transposase ISPa38 (NPCGAGNP_00001)
IMGPR_plasmid_2671180222_000001 69:11690(-)
Tn3 family transposase TnAs1 (CENJFCHA_00003)
IS21 family transposase ISAlsp1 (CENJFCHA_00002)
CENJFCHA_00001
IMGPR_plasmid_3300005997_000005 172:6924(-)
Tn3 family transposase TnAs1 (BGFLOENJ_00056)
IS21 family transposase ISAlsp1 (BGFLOENJ_00057)
BGFLOENJ_00058
IMGPR_plasmid_3300009070_000011 42441:49193(+)
VanR-ABDEGLN family response regulator transcription factor (NF033117.2) (GOGHPAII_00005)
tRNA threonylcarbamoyladenosine biosynthesis protein TsaB (GOGHPAII_00003)
Tn3 family transposase TnAs1 (GOGHPAII_00008)
IS21 family transposase ISAlsp1 (GOGHPAII_00007)
6 4 2 1
IMGPR_plasmid_3300024973_000016 14:10416(-)
IS6 family transposase IS6100 (EOLHKPEO_00056)
Tn3 family transposase IS1071 (EOLHKPEO_00055)
IMGPR_plasmid_2747842907_000001 44861:52522(+)
Qac-pB8 family quaternary ammonium compound efflux SMR transporter (NF000148.1) (BALAPGKG_00006)
DNA-invertase hin (BALAPGKG_00003)
PfiAT__PfiT (BALAPGKG_00005)
Tn3 family transposase ISPsy42 (BALAPGKG_00002)
4 1
IMGPR_plasmid_641210317_000001 1227:13077(-)
2-hydroxyhexa-2,4-dienoate hydratase (KGBIKBAN_00036)
Dihydroanticapsin 7-dehydrogenase (KGBIKBAN_00041)
Alkanesulfonate monooxygenase (KGBIKBAN_00040)
IS91 family transposase ISPps1 (KGBIKBAN_00035)
mRNA interferase toxin YafQ (KGBIKBAN_00043)
IS256 family transposase ISNml4 (KGBIKBAN_00034)
IS91 family transposase ISPps1 (KGBIKBAN_00039)
Tn3 family transposase IS1071 (KGBIKBAN_00037)
30 31 32 33 38 42
IMGPR_plasmid_639633003_000001 22382:47206(+)
9000 nt
Defence
Virulence
Anti-defence
AMR