putative FMN/FAD exporter YeeO (EPECGDFI_00002)
putative FMN/FAD exporter YeeO (EPECGDFI_00003)
Anhydromuropeptide permease (EPECGDFI_00007)
ABC transporter (VF0818) (EPECGDFI_00008)
Prophage integrase IntS (EPECGDFI_00005)
Salicylate synthase (EPECGDFI_00006)
IMGPR_plasmid_2565956607_000011 476:10013(+)
HTH-type transcriptional regulator cbl (MOHBOJMF_00001)
HTH-type transcriptional regulator GltC (MOHBOJMF_00002)
IMGPR_plasmid_2675903621_000011 61:9747(+)
OmpD (VF0969) (ICEPFHKA_00042)
Protein MtfA (ICEPFHKA_00040)
IMGPR_plasmid_2713897167_000004 43664:54052(-)
OmpD (VF0969) (NGKDIHLB_00001)
Protein MtfA (NGKDIHLB_00003)
IMGPR_plasmid_2698536442_000003 101:10489(+)
OmpD (VF0969) (MBOAENKK_00042)
Protein MtfA (MBOAENKK_00040)
Iron import ATP-binding/permease protein IrtA (MBOAENKK_00035)
IMGPR_plasmid_2713897163_000007 43662:54010(-)
Prophage integrase IntA (OKKFFIJA_00038)
OKKFFIJA_00033
IMGPR_plasmid_2713897164_000004 42539:51317(-)
Prophage integrase IntA (GPFONOEJ_00001)
IMGPR_plasmid_2700989592_000010 11:7835(+)
Prophage integrase IntA (OABPJAGN_00036)
IMGPR_plasmid_2700989569_000001 42937:51019(-)
LGINMIHI_00001
IMGPR_plasmid_2731957630_000010 44:7784(+)
HHBGOMFK_00043
IMGPR_plasmid_2617271288_000002 55541:63263(-)
Phosphoribosyl-AMP cyclohydrolase (KIGFHDAK_00001)
ABC-type heme transporter (VF0739) (KIGFHDAK_00003)
Zinc uptake regulation protein (KIGFHDAK_00002)
Vitamin B12-binding protein (KIGFHDAK_00004)
Prophage integrase IntA (KIGFHDAK_00005)
IMGPR_plasmid_2617271131_000009 1060:13565(+)
multidrug efflux MATE transporter NorM (NF000263.1) (LMACPOOJ_00005)
putative transcriptional regulatory protein YeeN (LMACPOOJ_00003)
Fosfomycin resistance protein AbaF (LMACPOOJ_00001)
AMP nucleosidase (LMACPOOJ_00002)
IMGPR_plasmid_2703718852_000005 975:15070(+)
putative transcriptional regulatory protein YeeN (JEKKPGMJ_00054)
Fosfomycin resistance protein AbaF (JEKKPGMJ_00056)
IS3 family transposase ISEam1 (JEKKPGMJ_00058)
AMP nucleosidase (JEKKPGMJ_00055)
54
multidrug efflux MATE transporter NorM (NF000263.1) (JEKKPGMJ_00052)
IMGPR_plasmid_2734482770_000014 61977:77334(-)
multidrug efflux MATE transporter NorM (NF000263.1) (KPKIEFLK_00005)
putative transcriptional regulatory protein YeeN (KPKIEFLK_00003)
AMP nucleosidase (KPKIEFLK_00002)
KPKIEFLK_00001
IMGPR_plasmid_2568526100_000012 71:13376(+)
multidrug efflux MATE transporter NorM (NF000263.1) (ONDFLFKH_00006)
putative transcriptional regulatory protein YeeN (ONDFLFKH_00004)
HTH-type transcriptional regulator GltC (ONDFLFKH_00009)
Fosfomycin resistance protein AbaF (ONDFLFKH_00002)
AMP nucleosidase (ONDFLFKH_00003)
1
HTH-type transcriptional regulator cbl (ONDFLFKH_00008)
IMGPR_plasmid_2693429518_000005 407:18276(+)
HTH-type transcriptional regulator PgrR (AFCPJBJP_00046)
HTH-type transcriptional regulator cbl (AFCPJBJP_00044)
putative L,D-transpeptidase ErfK/SrfK (AFCPJBJP_00045)
IS21 family transposase ISGur15 (AFCPJBJP_00052)
RutC family protein YjgH (AFCPJBJP_00047)
Protein MtfA (AFCPJBJP_00049)
51 50 48
HTH-type transcriptional regulator ArgP (AFCPJBJP_00043)
IMGPR_plasmid_2671181120_000010 50291:68717(-)
2-methoxy-6-polyprenyl-1,4-benzoquinol methylase, mitochondrial (KDANJKJD_00039)
Thioesterase PikA5 (KDANJKJD_00037)
Colibactin (VF0573) (KDANJKJD_00040)
Mycobactin (VF0299) (KDANJKJD_00036)
Mycobactin (VF0299) (KDANJKJD_00041)
KDANJKJD_00038
C3610 (VF1157) (KDANJKJD_00035)
IMGPR_plasmid_2609459931_000007 45330:74159(-)
Mycobactin (VF0299) (OHCFJPJP_00126) OHCFJPJP_00125
IMGPR_plasmid_2767802180_000016 165464:194416(-)
tRNA 5-methylaminomethyl-2-thiouridine biosynthesis bifunctional protein MnmC (KIOIPJJE_00008)
Carbon dioxide concentrating mechanism protein CcmM (KIOIPJJE_00020)
RNA polymerase-binding transcription factor DksA (KIOIPJJE_00022)
putative periplasmic iron-binding protein (KIOIPJJE_00014)
Phosphoribosyl-AMP cyclohydrolase (KIOIPJJE_00030)
Delta-aminolevulinic acid dehydratase (KIOIPJJE_00010)
Putative flavoprotein monooxygenase (KIOIPJJE_00026)
Iron/manganese transport (VF1116) (KIOIPJJE_00017)
ABC-type heme transporter (VF0739) (KIOIPJJE_00032)
Iron/manganese transport (VF1116) (KIOIPJJE_00016)
Zinc uptake regulation protein (KIOIPJJE_00031)
Manganese-binding lipoprotein MntA (KIOIPJJE_00005)
Putative metal chaperone YciC (KIOIPJJE_00023)
Iron/manganese transport (VF1116) (KIOIPJJE_00004)
GTP cyclohydrolase FolE2 (KIOIPJJE_00021)
Prophage integrase IntA (KIOIPJJE_00001)
MntABC (VF0455) (KIOIPJJE_00015)
Putative metal chaperone YciC (KIOIPJJE_00029)
MntABC (VF0455) (KIOIPJJE_00003)
Threonine--tRNA ligase (KIOIPJJE_00013)
Vitamin B12-binding protein (KIOIPJJE_00033)
Allantoinase (KIOIPJJE_00011)
Cysteine--tRNA ligase (KIOIPJJE_00025)
2 6 7 9 12 18 19 24 27 28
Prophage integrase IntA (KIOIPJJE_00034)
IMGPR_plasmid_2767802176_000003 9:42706(+)
tRNA 5-methylaminomethyl-2-thiouridine biosynthesis bifunctional protein MnmC (PKJPHELL_00009)
Carbon dioxide concentrating mechanism protein CcmM (PKJPHELL_00021)
RNA polymerase-binding transcription factor DksA (PKJPHELL_00023)
putative periplasmic iron-binding protein (PKJPHELL_00015)
Phosphoribosyl-AMP cyclohydrolase (PKJPHELL_00031)
Delta-aminolevulinic acid dehydratase (PKJPHELL_00011)
Putative flavoprotein monooxygenase (PKJPHELL_00027)
Iron/manganese transport (VF1116) (PKJPHELL_00018)
ABC-type heme transporter (VF0739) (PKJPHELL_00033)
Iron/manganese transport (VF1116) (PKJPHELL_00017)
Zinc uptake regulation protein (PKJPHELL_00032)
Manganese-binding lipoprotein MntA (PKJPHELL_00006)
Putative metal chaperone YciC (PKJPHELL_00024)
Iron/manganese transport (VF1116) (PKJPHELL_00005)
GTP cyclohydrolase FolE2 (PKJPHELL_00022)
Prophage integrase IntS (PKJPHELL_00002)
MntABC (VF0455) (PKJPHELL_00016)
Putative metal chaperone YciC (PKJPHELL_00030)
MntABC (VF0455) (PKJPHELL_00004)
Threonine--tRNA ligase (PKJPHELL_00014)
Vitamin B12-binding protein (PKJPHELL_00034)
Allantoinase (PKJPHELL_00012)
Cysteine--tRNA ligase (PKJPHELL_00026)
2 6 7 9 12 18 19 24 27 28
Prophage integrase IntA (PKJPHELL_00035)
IMGPR_plasmid_2767802143_000012 239:43236(+)
tRNA 5-methylaminomethyl-2-thiouridine biosynthesis bifunctional protein MnmC (BKAGNKBJ_00161)
Carbon dioxide concentrating mechanism protein CcmM (BKAGNKBJ_00148)
RNA polymerase-binding transcription factor DksA (BKAGNKBJ_00146)
putative periplasmic iron-binding protein (BKAGNKBJ_00155)
Delta-aminolevulinic acid dehydratase (BKAGNKBJ_00159)
Phosphoribosyl-AMP cyclohydrolase (BKAGNKBJ_00138)
Manganese-binding lipoprotein MntA (BKAGNKBJ_00164)
Putative flavoprotein monooxygenase (BKAGNKBJ_00142)
Iron/manganese transport (VF1116) (BKAGNKBJ_00152)
ABC-type heme transporter (VF0739) (BKAGNKBJ_00136)
Iron/manganese transport (VF1116) (BKAGNKBJ_00153)
Zinc uptake regulation protein (BKAGNKBJ_00137)
Iron/manganese transport (VF1116) (BKAGNKBJ_00165)
Putative metal chaperone YciC (BKAGNKBJ_00145)
Prophage integrase IntS (BKAGNKBJ_00168)
GTP cyclohydrolase FolE2 (BKAGNKBJ_00147)
MntABC (VF0455) (BKAGNKBJ_00166)
MntABC (VF0455) (BKAGNKBJ_00154)
Putative metal chaperone YciC (BKAGNKBJ_00139)
Threonine--tRNA ligase (BKAGNKBJ_00156)
Cysteine--tRNA ligase (BKAGNKBJ_00143)
Allantoinase (BKAGNKBJ_00158)
150
Vitamin B12-binding protein (BKAGNKBJ_00135)
167 163 162 160 157 151 149 144 141 140
Prophage integrase IntA (BKAGNKBJ_00134)
IMGPR_plasmid_2767802162_000003 186970:229966(-)
tRNA 5-methylaminomethyl-2-thiouridine biosynthesis bifunctional protein MnmC (OMJPNMCJ_00159)
Carbon dioxide concentrating mechanism protein CcmM (OMJPNMCJ_00146)
RNA polymerase-binding transcription factor DksA (OMJPNMCJ_00144)
Phosphoribosyl-AMP cyclohydrolase (OMJPNMCJ_00136)
putative periplasmic iron-binding protein (OMJPNMCJ_00153)
ABC-type heme transporter (VF0739) (OMJPNMCJ_00134)
Delta-aminolevulinic acid dehydratase (OMJPNMCJ_00157)
Putative flavoprotein monooxygenase (OMJPNMCJ_00140)
Iron/manganese transport (VF1116) (OMJPNMCJ_00150)
Iron/manganese transport (VF1116) (OMJPNMCJ_00151)
Zinc uptake regulation protein (OMJPNMCJ_00135)
Manganese-binding lipoprotein MntA (OMJPNMCJ_00162)
Putative metal chaperone YciC (OMJPNMCJ_00143)
Iron/manganese transport (VF1116) (OMJPNMCJ_00163)
GTP cyclohydrolase FolE2 (OMJPNMCJ_00145)
MntABC (VF0455) (OMJPNMCJ_00164)
MntABC (VF0455) (OMJPNMCJ_00152)
Putative metal chaperone YciC (OMJPNMCJ_00137)
Threonine--tRNA ligase (OMJPNMCJ_00154)
Cysteine--tRNA ligase (OMJPNMCJ_00141)
Allantoinase (OMJPNMCJ_00156)
148
Vitamin B12-binding protein (OMJPNMCJ_00133)
166 165 161 160 158 155 149 147 142 139 138
Prophage integrase IntA (OMJPNMCJ_00132)
IMGPR_plasmid_2767802148_000002 187116:229122(-)
10000 nt
Virulence
AMR