2,3-bisphosphoglycerate-dependent phosphoglycerate mutase (PGAFBFJA_00123)
(R)-phenoxypropionate/alpha-ketoglutarate-dioxygenase (PGAFBFJA_00114)
Dipeptide transport system permease protein DppC (PGAFBFJA_00104)
Trehalose-recycling ABC transporter (VF0842) (PGAFBFJA_00121)
Dipeptide transport system permease protein DppB (PGAFBFJA_00105)
Glutathionyl-hydroquinone reductase YqjG (PGAFBFJA_00129)
HTH-type transcriptional regulator CynR (PGAFBFJA_00113)
HTH-type transcriptional regulator DmlR (PGAFBFJA_00130)
Glycerol-3-phosphate regulon repressor (PGAFBFJA_00118)
IS3 family transposase ISKpn11 (PGAFBFJA_00116)
IS3 family transposase ISKpn11 (PGAFBFJA_00117)
IS21 family transposase ISVapa4 (PGAFBFJA_00112)
IS5 family transposase ISPko1 (PGAFBFJA_00127)
Periplasmic dipeptide transport protein (PGAFBFJA_00106)
putative protein (PGAFBFJA_00119)
Arylsulfatase (PGAFBFJA_00115)
IMGPR_plasmid_2814123324_000002 112162:153842(+)
2,3-bisphosphoglycerate-dependent phosphoglycerate mutase (MCBBCIAH_00122)
(R)-phenoxypropionate/alpha-ketoglutarate-dioxygenase (MCBBCIAH_00112)
Trehalose-recycling ABC transporter (VF0842) (MCBBCIAH_00120)
Glutathionyl-hydroquinone reductase YqjG (MCBBCIAH_00128)
HTH-type transcriptional regulator CynR (MCBBCIAH_00111)
HTH-type transcriptional regulator DmlR (MCBBCIAH_00129)
Glycerol-3-phosphate regulon repressor (MCBBCIAH_00117)
IS3 family transposase ISKpn11 (MCBBCIAH_00114)
IS3 family transposase ISKpn11 (MCBBCIAH_00115)
IS5 family transposase ISPko1 (MCBBCIAH_00126)
putative protein (MCBBCIAH_00118)
Arylsulfatase (MCBBCIAH_00113)
IMGPR_plasmid_2814123348_000002 112148:151356(+)
2,3-bisphosphoglycerate-dependent phosphoglycerate mutase (MGINBBNG_00130)
3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA (MGINBBNG_00114)
Melibiose/raffinose/stachyose import permease protein MelD (MGINBBNG_00111)
Anaerobic nitric oxide reductase transcription regulator NorR (MGINBBNG_00115)
(R)-phenoxypropionate/alpha-ketoglutarate-dioxygenase (MGINBBNG_00120)
Trehalose-recycling ABC transporter (VF0842) (MGINBBNG_00128)
Trehalose-recycling ABC transporter (VF0842) (MGINBBNG_00110)
Glutathionyl-hydroquinone reductase YqjG (MGINBBNG_00136)
Demethylmenaquinone methyltransferase (MGINBBNG_00117)
HTH-type transcriptional regulator DmlR (MGINBBNG_00137)
HTH-type transcriptional regulator CynR (MGINBBNG_00119)
Glycerol-3-phosphate regulon repressor (MGINBBNG_00125)
IS3 family transposase ISKpn11 (MGINBBNG_00122)
IS3 family transposase ISKpn11 (MGINBBNG_00124)
HTH-type transcriptional regulator CysL (MGINBBNG_00109)
IS5 family transposase ISPko1 (MGINBBNG_00134)
Putative aminoacrylate hydrolase RutD (MGINBBNG_00107)
putative protein (MGINBBNG_00126)
SP41 (VF0694) (MGINBBNG_00113)
Arylsulfatase (MGINBBNG_00121)
IMGPR_plasmid_2814123329_000004 111334:157943(+)
2,3-bisphosphoglycerate-dependent phosphoglycerate mutase (EBGJFABH_00122)
Trehalose-recycling ABC transporter (VF0842) (EBGJFABH_00120)
Glutathionyl-hydroquinone reductase YqjG (EBGJFABH_00128)
HTH-type transcriptional regulator DmlR (EBGJFABH_00129)
Glycerol-3-phosphate regulon repressor (EBGJFABH_00117)
IS3 family transposase ISKpn11 (EBGJFABH_00114)
IS3 family transposase ISRosp1 (EBGJFABH_00111)
IS3 family transposase ISRosp1 (EBGJFABH_00112)
putative protein (EBGJFABH_00118)
IS5 family transposase ISPko1 (EBGJFABH_00126)
IMGPR_plasmid_2574179718_000002 112811:144688(+)
2,3-bisphosphoglycerate-dependent phosphoglycerate mutase (LNGPIPBB_00118)
Trehalose-recycling ABC transporter (VF0842) (LNGPIPBB_00116)
Glutathionyl-hydroquinone reductase YqjG (LNGPIPBB_00124)
HTH-type transcriptional regulator DmlR (LNGPIPBB_00125)
Glycerol-3-phosphate regulon repressor (LNGPIPBB_00113)
IS3 family transposase ISKpn11 (LNGPIPBB_00112)
putative protein (LNGPIPBB_00114)
IS5 family transposase ISPko1 (LNGPIPBB_00122)
IMGPR_plasmid_2814123341_000005 112127:144240(+)
2,3-bisphosphoglycerate-dependent phosphoglycerate mutase (GCGMGBMG_00119)
Trehalose-recycling ABC transporter (VF0842) (GCGMGBMG_00117)
Glutathionyl-hydroquinone reductase YqjG (GCGMGBMG_00126)
HTH-type transcriptional regulator DmlR (GCGMGBMG_00127)
Glycerol-3-phosphate regulon repressor (GCGMGBMG_00114)
IS3 family transposase ISKpn11 (GCGMGBMG_00113)
IS5 family transposase ISPko1 (GCGMGBMG_00124)
putative protein (GCGMGBMG_00115)
IS5 family transposase ISPko1 (GCGMGBMG_00123)
IMGPR_plasmid_2814123347_000004 112144:144269(+)
2,3-bisphosphoglycerate-dependent phosphoglycerate mutase (AJDJEJMK_00118)
Trehalose-recycling ABC transporter (VF0842) (AJDJEJMK_00116)
Glutathionyl-hydroquinone reductase YqjG (AJDJEJMK_00124)
HTH-type transcriptional regulator DmlR (AJDJEJMK_00125)
Glycerol-3-phosphate regulon repressor (AJDJEJMK_00113)
IS3 family transposase ISKpn11 (AJDJEJMK_00112)
putative protein (AJDJEJMK_00114)
IS5 family transposase ISPko1 (AJDJEJMK_00122)
IMGPR_plasmid_2814123277_000005 112137:144250(+)
2,3-bisphosphoglycerate-dependent phosphoglycerate mutase (MMBCLGBI_00206)
Spermidine/putrescine import ATP-binding protein PotA (MMBCLGBI_00204)
Glutathionyl-hydroquinone reductase YqjG (MMBCLGBI_00212)
HTH-type transcriptional regulator DmlR (MMBCLGBI_00213)
Glycerol-3-phosphate regulon repressor (MMBCLGBI_00200)
IS3 family transposase ISKpn11 (MMBCLGBI_00197)
IS5 family transposase ISPko1 (MMBCLGBI_00210)
putative protein (MMBCLGBI_00201)
IMGPR_plasmid_2811995358_000003 197679:229753(+)
2,3-bisphosphoglycerate-dependent phosphoglycerate mutase (MBFGNLCC_00129)
Trehalose-recycling ABC transporter (VF0842) (MBFGNLCC_00127)
Glutathionyl-hydroquinone reductase YqjG (MBFGNLCC_00136)
Glycerol-3-phosphate regulon repressor (MBFGNLCC_00124)
IS3 family transposase ISKpn11 (MBFGNLCC_00122)
IS5 family transposase ISPko1 (MBFGNLCC_00134)
IS481 family transposase ISSde2 (MBFGNLCC_00117)
HTH-type transcriptional regulator DmlR (MBFGNLCC_00137)
putative protein (MBFGNLCC_00125)
IS481 family transposase ISSde2 (MBFGNLCC_00111)
IS5 family transposase ISPko1 (MBFGNLCC_00133)
IMGPR_plasmid_2841412109_000003 111824:154678(+)
2,3-bisphosphoglycerate-dependent phosphoglycerate mutase (BIJMPPCA_00128)
Trehalose-recycling ABC transporter (VF0842) (BIJMPPCA_00126)
Glutathionyl-hydroquinone reductase YqjG (BIJMPPCA_00135)
Glycerol-3-phosphate regulon repressor (BIJMPPCA_00123)
IS3 family transposase ISKpn11 (BIJMPPCA_00122)
IS5 family transposase ISPko1 (BIJMPPCA_00133)
IS481 family transposase ISSde2 (BIJMPPCA_00117)
HTH-type transcriptional regulator DmlR (BIJMPPCA_00136)
putative protein (BIJMPPCA_00124)
IS481 family transposase ISSde2 (BIJMPPCA_00111)
IS5 family transposase ISPko1 (BIJMPPCA_00132)
IMGPR_plasmid_2510065028_000003 111731:154583(+)
2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase (ECPNJJEA_00114)
3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA (ECPNJJEA_00108)
Lactose transport system permease protein LacF (ECPNJJEA_00111)
Trehalose-recycling ABC transporter (VF0842) (ECPNJJEA_00112)
Glutathionyl-hydroquinone reductase YqjG (ECPNJJEA_00119)
HTH-type transcriptional regulator DmlR (ECPNJJEA_00120)
HTH-type transcriptional regulator CysL (ECPNJJEA_00113)
IS5 family transposase ISPko1 (ECPNJJEA_00117)
Tyrosine recombinase XerC (ECPNJJEA_00115)
SP41 (VF0694) (ECPNJJEA_00109)
IMGPR_plasmid_2814123315_000004 112129:143687(+)
2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase (MLFHGDLO_00114)
3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA (MLFHGDLO_00108)
Lactose transport system permease protein LacF (MLFHGDLO_00111)
Trehalose-recycling ABC transporter (VF0842) (MLFHGDLO_00112)
Glutathionyl-hydroquinone reductase YqjG (MLFHGDLO_00119)
HTH-type transcriptional regulator DmlR (MLFHGDLO_00120)
HTH-type transcriptional regulator CysL (MLFHGDLO_00113)
IS5 family transposase ISPko1 (MLFHGDLO_00117)
Tyrosine recombinase XerC (MLFHGDLO_00115)
SP41 (VF0694) (MLFHGDLO_00109)
IMGPR_plasmid_2814123299_000004 112129:143687(+)
2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase (CFCAJBNJ_00120)
3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA (CFCAJBNJ_00118)
(R)-phenoxypropionate/alpha-ketoglutarate-dioxygenase (CFCAJBNJ_00124)
Lactose transport system permease protein LacF (CFCAJBNJ_00115)
Trehalose-recycling ABC transporter (VF0842) (CFCAJBNJ_00114)
2,3-bisphosphoglycerate-dependent phosphoglycerate mutase (CFCAJBNJ_00132)
Glycerol-3-phosphate regulon repressor (CFCAJBNJ_00127)
HTH-type transcriptional regulator CysL (CFCAJBNJ_00113)
Trehalose-recycling ABC transporter (VF0842) (CFCAJBNJ_00130)
IS3 family transposase ISKpn11 (CFCAJBNJ_00126)
Tyrosine recombinase XerC (CFCAJBNJ_00119)
Glutathionyl-hydroquinone reductase YqjG (CFCAJBNJ_00138)
SP41 (VF0694) (CFCAJBNJ_00117)
IS5 family transposase ISPko1 (CFCAJBNJ_00136)
Arylsulfatase (CFCAJBNJ_00125)
HTH-type transcriptional regulator DmlR (CFCAJBNJ_00139)
putative protein (CFCAJBNJ_00128)
IMGPR_plasmid_2814123349_000004 112127:159276(+)
PNFCAAID_00108
IMGPR_plasmid_2775506953_000006 110857:123401(+)
GOBAPMDC_00108
Denitrification regulatory protein NirQ (GOBAPMDC_00113)
IMGPR_plasmid_2814123257_000002 111809:124215(+)
Glutathionyl-hydroquinone reductase YqjG (HPNAOPLN_00103)
HTH-type transcriptional regulator DmlR (HPNAOPLN_00104)
IS21 family transposase ISVapa4 (HPNAOPLN_00101)
IMGPR_plasmid_2814123291_000005 99495:123811(+)
Glutathionyl-hydroquinone reductase YqjG (EACONNMP_00113)
IS21 family transposase ISAlde2 (EACONNMP_00108)
IMGPR_plasmid_2841416095_000003 111663:133276(+)
Glutathionyl-hydroquinone reductase YqjG (KGMEMIEK_00029)
IS21 family transposase ISAlde2 (KGMEMIEK_00034)
IMGPR_plasmid_641380432_000003 20262:41875(-)
Hemolysin secretion protein D, chromosomal (JBJHMLIK_00117)
HTH-type transcriptional regulator YhaJ (JBJHMLIK_00123)
HTH-type transcriptional activator RhaS (JBJHMLIK_00126)
Glutathione S-transferase GST-6.0 (JBJHMLIK_00122)
Direct heme uptake system (VF0693) (JBJHMLIK_00125)
ABC transporter (VF0741) (JBJHMLIK_00128)
putative tautomerase (JBJHMLIK_00120)
RtxA (VF0482) (JBJHMLIK_00115)
ABC transporter (VF0741) (JBJHMLIK_00129)
RtxA (VF0482) (JBJHMLIK_00116)
IMGPR_plasmid_2558309061_000004 112128:150802(+)
Hemolysin secretion protein D, chromosomal (OEPFDIOF_00115)
HTH-type transcriptional regulator YhaJ (OEPFDIOF_00121)
HTH-type transcriptional activator RhaS (OEPFDIOF_00124)
Glutathione S-transferase GST-6.0 (OEPFDIOF_00120)
Direct heme uptake system (VF0693) (OEPFDIOF_00123)
ABC transporter (VF0741) (OEPFDIOF_00126)
ABC transporter (VF0741) (OEPFDIOF_00127)
IS110 family transposase ISSpo1 (OEPFDIOF_00111)
putative tautomerase (OEPFDIOF_00118)
RtxA (VF0482) (OEPFDIOF_00113)
RtxA (VF0482) (OEPFDIOF_00114)
IMGPR_plasmid_2814123108_000003 111362:150600(+)
Hemolysin secretion protein D, chromosomal (HIFCJKCO_00117)
HTH-type transcriptional regulator HdfR (HIFCJKCO_00119)
HTH-type transcriptional regulator YhaJ (HIFCJKCO_00123)
HTH-type transcriptional activator RhaS (HIFCJKCO_00126)
Glutathione S-transferase GST-6.0 (HIFCJKCO_00122)
Direct heme uptake system (VF0693) (HIFCJKCO_00125)
ABC transporter (VF0741) (HIFCJKCO_00128)
ABC transporter (VF0741) (HIFCJKCO_00129)
IS110 family transposase ISSpo1 (HIFCJKCO_00112)
putative tautomerase (HIFCJKCO_00120)
RtxA (VF0482) (HIFCJKCO_00115)
RtxA (VF0482) (HIFCJKCO_00116)
IMGPR_plasmid_2814123089_000003 111398:151199(+)
10000 nt
Virulence