putative 4-amino-4-deoxy-L-arabinose-phosphoundecaprenol flippase subunit ArnE (GFMHKDMI_00092)
putative 4-amino-4-deoxy-L-arabinose-phosphoundecaprenol flippase subunit ArnF (GFMHKDMI_00091)
putative 4-deoxy-4-formamido-L-arabinose-phosphoundecaprenol deformylase ArnD (GFMHKDMI_00094)
Undecaprenyl phosphate-alpha-4-amino-4-deoxy-L-arabinose arabinosyl transferase (GFMHKDMI_00093)
Anaerobic nitric oxide reductase transcription regulator NorR (GFMHKDMI_00073)
Putative aliphatic sulfonates-binding protein (GFMHKDMI_00074)
Intermembrane transport protein PqiB (GFMHKDMI_00078)
Inner membrane protein YiaW (GFMHKDMI_00077)
mRNA interferase toxin RelE (GFMHKDMI_00080)
Inner membrane protein YibH (GFMHKDMI_00076)
Bifunctional polymyxin resistance protein ArnA (GFMHKDMI_00095)
IMGPR_plasmid_3300048923_000049 84385:101602(+)
IMGPR_plasmid_2871755987_000001 20520:35306(+)
IMGPR_plasmid_2871731064_000001 20702:35872(-)
IMGPR_plasmid_3300031132_000036 137591:152765(+)
putative 4-deoxy-4-formamido-L-arabinose-phosphoundecaprenol deformylase ArnD (PKDHIJEK_00141)
LPS (VF0124) (PKDHIJEK_00143)
IMGPR_plasmid_2690315785_000002 143274:159447(+)
5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase (ODKCNOIO_00142)
ISNCY family transposase ISBcen27 (ODKCNOIO_00135)
Detocs_dtcB (ODKCNOIO_00139)
Detocs_dtcC (ODKCNOIO_00140)
Detocs_dtcA (ODKCNOIO_00138)
IMGPR_plasmid_2821065626_000006 137135:166886(+)
5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase (NJCBHDPF_00141)
ISNCY family transposase ISBcen27 (NJCBHDPF_00134)
Detocs_dtcB (NJCBHDPF_00138)
Detocs_dtcC (NJCBHDPF_00139)
Detocs_dtcA (NJCBHDPF_00137)
IMGPR_plasmid_2821075268_000005 137173:165944(+)
(S)-2-haloacid dehalogenase (LOBEAFFN_00103)
IMGPR_plasmid_2767802446_000004 111109:126771(-)
3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA (PKNFIBHH_00028)
Vitamin B12 transport ATP-binding protein BacA (PKNFIBHH_00036)
Biopolymer transport protein ExbD (PKNFIBHH_00034)
Tol-Pal system protein TolQ (PKNFIBHH_00035)
IS3 family transposase ISEhe4 (PKNFIBHH_00040)
Aspartate--tRNA(Asp) ligase (PKNFIBHH_00030)
Fe(3+)-pyochelin receptor (PKNFIBHH_00038)
ISNCY family transposase ISRor2 (PKNFIBHH_00027)
SigE (VF0295) (PKNFIBHH_00032)
IMGPR_plasmid_2576861666_000002 21656:55460(-)
3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA (LCBKJLKC_00032)
IS3 family transposase ISEhe4 (LCBKJLKC_00035)
Aspartate--tRNA(Asp) ligase (LCBKJLKC_00034)
ISNCY family transposase ISSen7 (LCBKJLKC_00028)
IMGPR_plasmid_2576861786_000002 29247:50891(-)
3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA (AICBHGFA_00070)
IS3 family transposase ISEhe4 (AICBHGFA_00066)
Aspartate--tRNA(Asp) ligase (AICBHGFA_00068)
IMGPR_plasmid_2847782834_000001 58846:80755(+)
3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA (CHPKDICE_00140)
ISNCY family transposase ISRor2 (CHPKDICE_00143)
Aspartate--tRNA(Asp) ligase (CHPKDICE_00138)
IMGPR_plasmid_2821051985_000002 141039:163452(+)
3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA (OKLOJEHI_00137)
IS3 family transposase ISEhe4 (OKLOJEHI_00134)
Aspartate--tRNA(Asp) ligase (OKLOJEHI_00135)
IMGPR_plasmid_2609460322_000001 145454:159448(+)
3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA (HPKPCMGD_00031)
IS3 family transposase ISEhe4 (HPKPCMGD_00035)
Asparagine--tRNA ligase (HPKPCMGD_00033)
IMGPR_plasmid_2065487014_000005 23789:43441(-)
3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA (LPIGDCIA_00030)
ISNCY family transposase ISSen7 (LPIGDCIA_00028)
IS3 family transposase ISEhe4 (LPIGDCIA_00034)
Aspartate--tRNA(Asp) ligase (LPIGDCIA_00032)
IMGPR_plasmid_2648501645_000003 20574:45114(-)
3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA (LANCIEKA_00119)
Aspartate--tRNA(Asp) ligase (LANCIEKA_00116)
IMGPR_plasmid_2582580715_000004 112304:130968(+)
Glutathione-independent formaldehyde dehydrogenase (GGCDGKPC_00033)
Methanesulfonate monooxygenase (GGCDGKPC_00036)
IMGPR_plasmid_2926248961_000001 20696:36005(-)
3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA (AECOPLLI_00029)
IS3 family transposase ISEhe4 (AECOPLLI_00032)
Aspartate--tRNA(Asp) ligase (AECOPLLI_00031)
IMGPR_plasmid_3300048924_000068 25739:45892(-)
(S)-2-haloacid dehalogenase (JJFGLCLG_00142)
JJFGLCLG_00150
JJFGLCLG_00143
JJFGLCLG_00144
JJFGLCLG_00141
IMGPR_plasmid_2767802444_000002 143685:159783(-)
2-haloalkanoic acid dehalogenase (MBECEKMG_00096)
ISNCY family transposase ISSen7 (MBECEKMG_00097)
IMGPR_plasmid_3300028585_000018 108220:120815(-)
(S)-2-haloacid dehalogenase (BPGPCCHP_00149)
BPGPCCHP_00150
BPGPCCHP_00152
BPGPCCHP_00153
BPGPCCHP_00155
BPGPCCHP_00154
IMGPR_plasmid_2716884865_000002 159951:170466(-)
tetracenomycin C efflux MFS transporter (NF000025.1) (KDOOLICF_00083)
Fos family putative thiol transferase (NF000125.1) (KDOOLICF_00074)
Trans-2,3-dihydro-3-hydroxyanthranilate isomerase (KDOOLICF_00078)
Phenazine biosynthesis protein PhzB2 (KDOOLICF_00075)
Phenazine biosynthesis protein PhzG (KDOOLICF_00079)
3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA (KDOOLICF_00100)
Phenazine biosynthesis protein PhzD (KDOOLICF_00076)
Malonate-semialdehyde dehydrogenase (KDOOLICF_00081)
Aspartate--tRNA(Asp) ligase (KDOOLICF_00102)
Sulfoquinovose 1-dehydrogenase (KDOOLICF_00084)
Pyocyanin (VF0100) (KDOOLICF_00077)
Mycobactin (VF0299) (KDOOLICF_00086)
IMGPR_plasmid_2847807205_000002 80789:127371(-)
tetracenomycin C efflux MFS transporter (NF000025.1) (MPIOIOHJ_00090)
Fos family putative thiol transferase (NF000125.1) (MPIOIOHJ_00099)
Trans-2,3-dihydro-3-hydroxyanthranilate isomerase (MPIOIOHJ_00095)
Phenazine biosynthesis protein PhzB2 (MPIOIOHJ_00098)
Phenazine biosynthesis protein PhzD (MPIOIOHJ_00097)
3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA (MPIOIOHJ_00073)
Phenazine biosynthesis protein PhzG (MPIOIOHJ_00094)
Malonate-semialdehyde dehydrogenase (MPIOIOHJ_00092)
Aspartate--tRNA(Asp) ligase (MPIOIOHJ_00071)
Sulfoquinovose 1-dehydrogenase (MPIOIOHJ_00089)
Pyocyanin (VF0100) (MPIOIOHJ_00096)
Mycobactin (VF0299) (MPIOIOHJ_00087)
IMGPR_plasmid_2847787641_000003 68467:115049(+)
tetracenomycin C efflux MFS transporter (NF000025.1) (ECOMJBEF_00157)
Fos family putative thiol transferase (NF000125.1) (ECOMJBEF_00166)
Trans-2,3-dihydro-3-hydroxyanthranilate isomerase (ECOMJBEF_00162)
Phenazine biosynthesis protein PhzB2 (ECOMJBEF_00165)
Phenazine biosynthesis protein PhzG (ECOMJBEF_00161)
3',5'-cyclic adenosine monophosphate phosphodiesterase CpdA (ECOMJBEF_00139)
Phenazine biosynthesis protein PhzD (ECOMJBEF_00164)
Malonate-semialdehyde dehydrogenase (ECOMJBEF_00159)
IS3 family transposase ISEhe4 (ECOMJBEF_00134)
Sulfoquinovose 1-dehydrogenase (ECOMJBEF_00156)
Aspartate--tRNA(Asp) ligase (ECOMJBEF_00137)
Mycobactin (VF0299) (ECOMJBEF_00154)
Pyocyanin (VF0100) (ECOMJBEF_00163)
IMGPR_plasmid_2617271107_000003 137012:183588(+)
10000 nt
Defence
Virulence
AMR