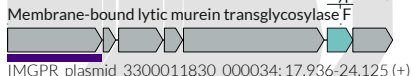


Type IV secretion system protein PtlC (PJPDHLHD_00036)

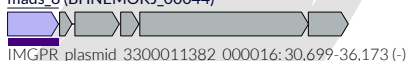
mads_8 (PJPDHLHD_00031)



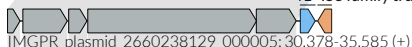
Membrane-bound lytic murein transglycosylase F



mads_8 (BHNEMOKJ_00044)

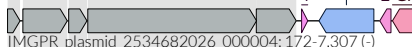


41 IS3 family transposase ISAbA21 (HDDDOHHH_00042)



putative oxidoreductase CzcO (GDGJJBOO_00003)

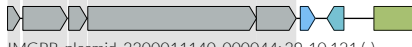
2 Glucosamine ammonia-lyase (GDGJJBOO_00001)



putative phosphite transport system-binding protein HtxB (LJPHEJM_00004)

mads_8 (LJPHEJM_00002)

Phosphonate dehydrogenase (LJPHEJM_00001)



PRK10026.1-PRK PRK10026.1: glutaredoxin-dependent arsenate reductase (NF007456.1) (KHNFHFCI_00044)

COG0640 Csa3_1_CAS-I-II-III-IV-V-VI (KHNFHFCI_00043)

NADPH-dependent FMN reductase ArsH (KHNFHFCI_00040)

Arsenite-resistance protein Acr3 (KHNFHFCI_00041)

putative cysteine-rich protein YhjQ (KHNFHFCI_00002)

IS6 family transposase IS1007 (KHNFHFCI_00001)

IS6 family transposase IS1007 (KHNFHFCI_00004)

Glucosamine ammonia-lyase (KHNFHFCI_00039)

Sorbitol dehydrogenase (KHNFHFCI_00047)

putative oxidoreductase CzcO (KHNFHFCI_00038)

DNA-invertase hin (KHNFHFCI_00045)

Arsenate reductase (KHNFHFCI_00042)

Oleate hydratase (KHNFHFCI_00048)

ATP-dependent RecD-like DNA helicase (KHNFHFCI_00006)



putative phosphite transport system-binding protein PtxB (KLBFJDIO_00027)

Phosphate-import permease protein PhnE (KLBFJDIO_00028)

HTH-type transcriptional regulator CysL (KLBFJDIO_00030)

IS3 family transposase ISAbA21 (KLBFJDIO_00025)

IS6 family transposase ISOur1 (KLBFJDIO_00034)

IS3 family transposase ISAbA21 (KLBFJDIO_00024)

Phosphonate dehydrogenase (KLBFJDIO_00029)

ViuPDGC system (VF0627) (KLBFJDIO_00026)

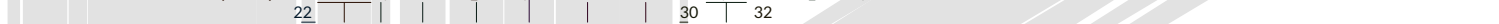
DNA-invertase hin (KLBFJDIO_00032)

Polyphosphate kinase (KLBFJDIO_00035)

Fur (VF0113) (KLBFJDIO_00037)

AdsA (VF0422) (KLBFJDIO_00036)

IS6 family transposase IS1007 (KLBFJDIO_00038)



putative phosphite transport system-binding protein PtxB (BOFENHFE_00026)

Phosphate-import permease protein PhnE (BOFENHFE_00027)

HTH-type transcriptional regulator CysL (BOFENHFE_00029)

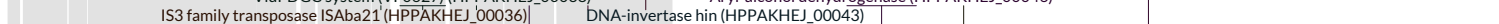
IS3 family transposase ISAbA21 (BOFENHFE_00024)

ViuPDGC system (VF0627) (BOFENHFE_00025)

Phosphonate dehydrogenase (BOFENHFE_00028)

IS3 family transposase ISAbA21 (BOFENHFE_00023)

DNA-invertase hin (BOFENHFE_00031)



putative phosphite transport system-binding protein PtxB (HPPAKHEJ_00039)

Phosphate-import permease protein PhnE (HPPAKHEJ_00040)

HTH-type transcriptional regulator CysL (HPPAKHEJ_00042)

IS3 family transposase ISAbA21 (HPPAKHEJ_00037)

Benzaldehyde dehydrogenase [NAD(+)] (HPPAKHEJ_00047)

Phosphonate dehydrogenase (HPPAKHEJ_00041)

ViuPDGC system (VF0627) (HPPAKHEJ_00038)

IS3 family transposase ISAbA21 (HPPAKHEJ_00036)

DNA-invertase hin (HPPAKHEJ_00043)

Aryl-alcohol dehydrogenase (HPPAKHEJ_00046)

Anaerobic nitric oxide reductase transcription regulator NorR (HPPAKHEJ_00049)

50 51

9000 nt

defence (PADLOC)

virulence (VFDB)

AMR (AMRFinderPlus)