Nicotinate-nucleotide pyrophosphorylase [carboxylating] (HLGPPGJM_00063)
Protocatechuate 3,4-dioxygenase alpha chain (HLGPPGJM_00073)
Protocatechuate 3,4-dioxygenase beta chain (HLGPPGJM_00072)
Phthalate 4,5-dioxygenase oxygenase subunit (HLGPPGJM_00056)
Putative 4,5-dihydroxyphthalate dehydrogenase (HLGPPGJM_00053)
3-carboxy-cis,cis-muconate cycloisomerase (HLGPPGJM_00074)
TVP38/TMEM64 family inner membrane protein YdjZ (HLGPPGJM_00033)
3-oxoadipate CoA-transferase subunit B (HLGPPGJM_00067)
HTH-type transcriptional activator CmpR (HLGPPGJM_00038)
3-oxoadipate CoA-transferase subunit A (HLGPPGJM_00066)
Segregation and condensation protein B (HLGPPGJM_00093)
3-hydroxybutyryl-CoA dehydrogenase (HLGPPGJM_00037)
6-phosphogluconate phosphatase (HLGPPGJM_00075)
IS3 family transposase ISGbe1 (HLGPPGJM_00040)
IS110 family transposase ISAzs4 (HLGPPGJM_00082)
Transcriptional regulator SlyA (HLGPPGJM_00049)
IS5 family transposase ISRusp1 (HLGPPGJM_00076)
IS3 family transposase ISSisp1 (HLGPPGJM_00045)
2-formylbenzoate dehydrogenase (HLGPPGJM_00064)
IS5 family transposase ISRhba5 (HLGPPGJM_00085)
DrmC_00006 DrmC (HLGPPGJM_00041)
3-oxoadipate enol-lactonase 2 (HLGPPGJM_00070)
Tyrosine recombinase XerC (HLGPPGJM_00095)
Adaptive-response sensory-kinase SasA
Pca regulon regulatory protein (HLGPPGJM_00065)
o-phthalyl amidase (HLGPPGJM_00081)
RegX3 (VF0858) (HLGPPGJM_00029)
Phthalate dioxygenase reductase (HLGPPGJM_00054)
Beta-ketoadipyl-CoA thiolase (HLGPPGJM_00068)
TnsC_0_V-K (HLGPPGJM_00084)
TnsB_0_V-K (HLGPPGJM_00036)
(S)-mandelate dehydrogenase (HLGPPGJM_00055)
TnsC_0_V-K (HLGPPGJM_00078)
TnsC_0_V-K (HLGPPGJM_00091)
Formate dehydrogenase, mitochondrial (HLGPPGJM_00061)
TnsB_0_V-K (HLGPPGJM_00079)
IMGPR_plasmid_2814123081_000001: 26,004-90,983 (+)
Nicotinate-nucleotide pyrophosphorylase [carboxylating] (GMAMIMEK_00063)
Protocatechuate 3,4-dioxygenase alpha chain (GMAMIMEK_00073)
Protocatechuate 3,4-dioxygenase beta chain (GMAMIMEK_00072)
Phthalate 4,5-dioxygenase oxygenase subunit (GMAMIMEK_00056)
Putative 4,5-dihydroxyphthalate dehydrogenase (GMAMIMEK_00053)
3-carboxy-cis,cis-muconate cycloisomerase (GMAMIMEK_00074)
3-oxoadipate CoA-transferase subunit B (GMAMIMEK_00067)
3-oxoadipate CoA-transferase subunit A (GMAMIMEK_00066)
HTH-type transcriptional activator CmpR (GMAMIMEK_00038)
6-phosphogluconate phosphatase (GMAMIMEK_00075)
3-hydroxybutyryl-CoA dehydrogenase (GMAMIMEK_00037)
IS110 family transposase ISAzs4 (GMAMIMEK_00082)
Phthalate dioxygenase reductase (GMAMIMEK_00054)
IS5 family transposase ISRusp1 (GMAMIMEK_00076)
IS3 family transposase ISGbe1 (GMAMIMEK_00040)
2-formylbenzoate dehydrogenase (GMAMIMEK_00064)
IS5 family transposase ISRhba5 (GMAMIMEK_00085)
Transcriptional regulator SlyA (GMAMIMEK_00049)
3-oxoadipate enol-lactonase 2 (GMAMIMEK_00070)
IS3 family transposase ISSisp1 (GMAMIMEK_00045)
Pca regulon regulatory protein (GMAMIMEK_00065)
o-phthalyl amidase (GMAMIMEK_00081)
DrmC_00006 DrmC (GMAMIMEK_00041)
Beta-ketoadipyl-CoA thiolase (GMAMIMEK_00068)
TnsC_0_V-K (GMAMIMEK_00084)
TnsC_0_V-K (GMAMIMEK_00035)
(S)-mandelate dehydrogenase (GMAMIMEK_00055)
TnsC_0_V-K (GMAMIMEK_00078)
TnsB_0_V-K (GMAMIMEK_00036)
Formate dehydrogenase, mitochondrial (GMAMIMEK_00061)
TnsB_0_V-K (GMAMIMEK_00079)
IMGPR_plasmid_2814123091_000001: 26,004-90,983 (+)
Nicotinate-nucleotide pyrophosphorylase [carboxylating] (IGKJLCCL_00063)
Protocatechuate 3,4-dioxygenase alpha chain (IGKJLCCL_00073)
Protocatechuate 3,4-dioxygenase beta chain (IGKJLCCL_00072)
Phthalate 4,5-dioxygenase oxygenase subunit (IGKJLCCL_00056)
Putative 4,5-dihydroxyphthalate dehydrogenase (IGKJLCCL_00053)
3-carboxy-cis,cis-muconate cycloisomerase (IGKJLCCL_00074)
3-oxoadipate CoA-transferase subunit B (IGKJLCCL_00067)
3-oxoadipate CoA-transferase subunit A (IGKJLCCL_00066)
HTH-type transcriptional activator CmpR (IGKJLCCL_00038)
6-phosphogluconate phosphatase (IGKJLCCL_00075)
3-hydroxybutyryl-CoA dehydrogenase (IGKJLCCL_00037)
IS110 family transposase ISAzs4 (IGKJLCCL_00082)
Phthalate dioxygenase reductase (IGKJLCCL_00054)
IS5 family transposase ISRusp1 (IGKJLCCL_00076)
IS3 family transposase ISGbe1 (IGKJLCCL_00040)
Formate dehydrogenase, mitochondrial (IGKJLCCL_00061)
IS5 family transposase ISRhba5 (IGKJLCCL_00085)
Transcriptional regulator SlyA (IGKJLCCL_00049)
3-oxoadipate enol-lactonase 2 (IGKJLCCL_00070)
IS3 family transposase ISSisp1 (IGKJLCCL_00045)
Pca regulon regulatory protein (IGKJLCCL_00065)
o-phthalyl amidase (IGKJLCCL_00081)
DrmC_00006 DrmC (IGKJLCCL_00041)
Beta-ketoadipyl-CoA thiolase (IGKJLCCL_00068)
TnsC_0_V-K (IGKJLCCL_00084)
TnsC_0_V-K (IGKJLCCL_00035)
(S)-mandelate dehydrogenase (IGKJLCCL_00055)
TnsC_0_V-K (IGKJLCCL_00078)
TnsB_0_V-K (IGKJLCCL_00036)
2-formylbenzoate dehydrogenase (IGKJLCCL_00064)
TnsB_0_V-K (IGKJLCCL_00079)
IMGPR_plasmid_2814123117_000001: 26,004-90,983 (+)
IS110 family transposase ISAzs4 (EKPCJNHG_00134)
IS5 family transposase ISRhba5 (EKPCJNHG_00137)
o-phthalyl amidase (EKPCJNHG_00133)
TnsC_0_V-K (EKPCJNHG_00136)
TnsC_0_V-K (EKPCJNHG_00129)
TnsB_0_V-K (EKPCJNHG_00130)
IMGPR_plasmid_2558309061_000001: 109,795-125,624 (+)
20000 nt
defence (PADLOC)
virulence (VFDB)