C4-dicarboxylate TRAP transporter large permease protein DctM (BLOBMJLN_00006)
Alcohol dehydrogenase [acceptor] (BLOBMJLN_00005)
Ureidoglycolate lyase (BLOBMJLN_00004)
1 2 3 7 Lactate-binding periplasmic protein (BLOBMJLN_00008)
IMGPR_plasmid_3300044453_000043: 111-10,317 (+)
378
IMGPR_plasmid_3300035331_000015: 409,598-418,073 (-)
354827590_fosA-NCBIFAM FosA family fosfomycin resistance glutathione transferase (NF000094.1) (MKHDAFGP_00033)
2-amino-1-hydroxyethylphosphonate dioxygenase (glycine-forming) (MKHDAFGP_00048)
putative D,D-dipeptide transport system permease protein DdpC (MKHDAFGP_00040)
2,3-bisphosphoglycerate-independent phosphoglycerate mutase (MKHDAFGP_00047)
Adenosylmethionine-8-amino-7-oxononanoate aminotransferase (MKHDAFGP_00052)
Glutathione transport system permease protein GsiC (MKHDAFGP_00041)
Maltose/maltodextrin import ATP-binding protein MalK (MKHDAFGP_00069)
Glutathione transport system permease protein GsiC (MKHDAFGP_00031)
Succinate-semialdehyde dehydrogenase [NADP(+)] GabD (MKHDAFGP_00062)
Dipeptide transport system permease protein DppC (MKHDAFGP_00030)
L-arabinose transport system permease protein AraQ (MKHDAFGP_00068)
Oligopeptide transport ATP-binding protein OppF (MKHDAFGP_00038)
3D-(3,5/4)-trihydroxycyclohexane-1,2-dione hydrolase (MKHDAFGP_00063)
Vitamin B12 import ATP-binding protein BtuD (MKHDAFGP_00028)
Sialic acid TRAP transporter permease protein SiaT (MKHDAFGP_00054)
Oligopeptide-binding protein oppA (VF0786) (MKHDAFGP_00032)
Trehalose-recycling ABC transporter (VF0842) (MKHDAFGP_00067)
Oligopeptide-binding protein oppA (VF0786) (MKHDAFGP_00042)
HTH-type transcriptional regulator XynR (MKHDAFGP_00065)
HTH-type transcriptional repressor RspR (MKHDAFGP_00034)
HTH-type transcriptional regulator PerR (MKHDAFGP_00050)
4-hydroxy-tetrahydrodipicolinate synthase (MKHDAFGP_00023)
ISL3 family transposase ISMex24 (MKHDAFGP_00059)
Periplasmic dipeptide transport protein (MKHDAFGP_00027)
ISL3 family transposase ISMex26 (MKHDAFGP_00058)
ABC-type heme transporter (VF0739) (MKHDAFGP_00039)
Michele_2A_hits_grouped (MKHDAFGP_00022)
D-apiose dehydrogenase (MKHDAFGP_00064)
Gamma-butyrobetaine dioxygenase (MKHDAFGP_00049)
Atrazine chlorohydrolase (MKHDAFGP_00026)
L-arabonate dehydratase (MKHDAFGP_00061)
DNA-invertase hin (MKHDAFGP_00046)
8-oxoguanine deaminase (MKHDAFGP_00025)
Solute-binding protein (MKHDAFGP_00056)
D-hydantoinase (MKHDAFGP_00035)
Hydantoin racemase (MKHDAFGP_00024)
66 60 57 55 53 51 44 45 43 37 36 Pseudomonine (VF0936) (MKHDAFGP_00029) 21 20
IMGPR_plasmid_2884514219_000004: 14,443-73,176 (-)
354827590_fosA-NCBIFAM FosA family fosfomycin resistance glutathione transferase (NF000094.1) (MNLOKKAM_00351)
2-amino-1-hydroxyethylphosphonate dioxygenase (glycine-forming) (MNLOKKAM_00336)
putative D,D-dipeptide transport system permease protein DdpC (MNLOKKAM_00344)
2,3-bisphosphoglycerate-independent phosphoglycerate mutase (MNLOKKAM_00337)
Adenosylmethionine-8-amino-7-oxononanoate aminotransferase (MNLOKKAM_00332)
Glutathione transport system permease protein GsiC (MNLOKKAM_00343)
Glutathione transport system permease protein GsiC (MNLOKKAM_00353)
Succinate-semialdehyde dehydrogenase [NADP(+)] GabD (MNLOKKAM_00322)
Dipeptide transport system permease protein DppC (MNLOKKAM_00354)
L-arabinose transport system permease protein AraQ (MNLOKKAM_00316)
Oligopeptide transport ATP-binding protein OppF (MNLOKKAM_00346)
3D-(3,5/4)-trihydroxycyclohexane-1,2-dione hydrolase (MNLOKKAM_00321)
Vitamin B12 import ATP-binding protein BtuD (MNLOKKAM_00356)
Sialic acid TRAP transporter permease protein SiaT (MNLOKKAM_00330)
Oligopeptide-binding protein oppA (VF0786) (MNLOKKAM_00352)
Trehalose-recycling ABC transporter (VF0842) (MNLOKKAM_00317)
Oligopeptide-binding protein oppA (VF0786) (MNLOKKAM_00342)
4-hydroxy-tetrahydrodipicolinate synthase (MNLOKKAM_00361)
HTH-type transcriptional regulator XynR (MNLOKKAM_00319)
HTH-type transcriptional repressor RspR (MNLOKKAM_00350)
HTH-type transcriptional regulator PerR (MNLOKKAM_00334)
Periplasmic dipeptide transport protein (MNLOKKAM_00357)
ISL3 family transposase ISMex24 (MNLOKKAM_00325)
ABC-type heme transporter (VF0739) (MNLOKKAM_00345)
Michele_2A_hits_grouped (MNLOKKAM_00362)
ISL3 family transposase ISMex26 (MNLOKKAM_00326)
Pseudomonine (VF0936) (MNLOKKAM_00355)
D-apiose dehydrogenase (MNLOKKAM_00320)
Gamma-butyrobetaine dioxygenase (MNLOKKAM_00335)
Atrazine chlorohydrolase (MNLOKKAM_00358)
L-arabonate dehydratase (MNLOKKAM_00323)
DNA-invertase hin (MNLOKKAM_00338)
8-oxoguanine deaminase (MNLOKKAM_00359)
Solute-binding protein (MNLOKKAM_00328)
D-hydantoinase (MNLOKKAM_00349)
Hydantoin racemase (MNLOKKAM_00360)
317 323 326 328 330 332 338 339 340 346 347 362 363
IMGPR_plasmid_2884539680_000004: 332,445-391,178 (+)
2-amino-1-hydroxyethylphosphonate dioxygenase (glycine-forming) (DFIBIBCA_00104)
putative D,D-dipeptide transport system permease protein DdpC (DFIBIBCA_00112)
2,3-bisphosphoglycerate-independent phosphoglycerate mutase (DFIBIBCA_00105)
Adenosylmethionine-8-amino-7-oxononanoate aminotransferase (DFIBIBCA_00099)
Succinate-semialdehyde dehydrogenase [NADP(+)] GabD (DFIBIBCA_00089)
354827590_fosA-NCBIFAM FosA family fosfomycin resistance glutathione transferase (NF000094.1) (DFIBIBCA_00119)
Glutathione transport system permease protein GsiC (DFIBIBCA_00111)
L-arabinose transport system permease protein AraQ (DFIBIBCA_00083)
Glutathione transport system permease protein GsiC (DFIBIBCA_00121)
3D-(3,5/4)-trihydroxycyclohexane-1,2-dione hydrolase (DFIBIBCA_00088)
Oligopeptide transport ATP-binding protein OppF (DFIBIBCA_00114)
Sialic acid TRAP transporter permease protein SiaT (DFIBIBCA_00097)
Dipeptide transport system permease protein DppC (DFIBIBCA_00122)
Trehalose-recycling ABC transporter (VF0842) (DFIBIBCA_00084)
Vitamin B12 import ATP-binding protein BtuD (DFIBIBCA_00124)
HTH-type transcriptional regulator XynR (DFIBIBCA_00086)
Oligopeptide-binding protein oppA (VF0786) (DFIBIBCA_00110)
4-hydroxy-tetrahydrodipicolinate synthase (DFIBIBCA_00129)
HTH-type transcriptional regulator PerR (DFIBIBCA_00102)
Oligopeptide-binding protein oppA (VF0786) (DFIBIBCA_00120)
ISL3 family transposase ISMex24 (DFIBIBCA_00092)
HTH-type transcriptional repressor RspR (DFIBIBCA_00118)
ISL3 family transposase ISMex26 (DFIBIBCA_00093)
Periplasmic dipeptide transport protein (DFIBIBCA_00125)
Gamma-butyrobetaine dioxygenase (DFIBIBCA_00103)
Michele_2A_hits_grouped (DFIBIBCA_00130)
Solute-binding protein (DFIBIBCA_00095)
ABC-type heme transporter (VF0739) (DFIBIBCA_00113)
Atrazine chlorohydrolase (DFIBIBCA_00126)
D-apiose dehydrogenase (DFIBIBCA_00087)
DNA-invertase hin (DFIBIBCA_00106)
8-oxoguanine deaminase (DFIBIBCA_00127)
L-arabonate dehydratase (DFIBIBCA_00090)
D-hydantoinase (DFIBIBCA_00117)
Hydantoin racemase (DFIBIBCA_00128)
85 91 94 96 98 100 101 107 108 109 115 116 Pseudomonine (VF0936) (DFIBIBCA_00123) 131 132
IMGPR_plasmid_2884533225_000004: 84,625-143,358 (+)
20000 nt
defence (DefenseFinder)
virulence (VFDB)
AMR (AMRFinderPlus)