TIGRFAMs: mercury resistance system periplasmic binding protein MerP (TIGR02052.1) (MOCGAGDA_00388)
quaternary ammonium compound efflux SMR transporter QacE (NF000276.2) (MOCGAGDA_00375)
QnrVC family quinolone resistance pentapeptide repeat protein (NF000421.1) (MOCGAGDA_00378)
PRK|PRK13747.1: broad-spectrum mercury transporter MerE (NF010310.2) (MOCGAGDA_00384)
PRK|PRK13752.1: Hg(II)-responsive transcriptional regulator (NF010315.0) (MOCGAGDA_00390)
AAC(6')-Ib family aminoglycoside 6'-N-acetyltransferase (NF033074.0) (MOCGAGDA_00370)
APH(3')-I family aminoglycoside O-phosphotransferase (NF033059.2) (MOCGAGDA_00360)
AAC(3)-I family aminoglycoside 3-N-acetyltransferase (NF033083.0) (MOCGAGDA_00371)
trimethoprim-resistant dihydrofolate reductase DfrA (NF000330.1) (MOCGAGDA_00364)
ANT(9) family aminoglycoside nucleotidyltransferase (NF012212.1) (MOCGAGDA_00374)
ANT(9) family aminoglycoside nucleotidyltransferase (NF012212.1) (MOCGAGDA_00365)
FosG family fosfomycin resistance glutathione transferase (NF000467.1) (MOCGAGDA_00325)
sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (MOCGAGDA_00376)
Phthiocerol synthesis polyketide synthase type I PpsC (MOCGAGDA_00340)
sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (MOCGAGDA_00379)
Succinate-semialdehyde dehydrogenase [NADP(+)] 1 (MOCGAGDA_00347)
TEM family class A beta-lactamase (NF000531.2) (MOCGAGDA_00356)
3-oxo-tetronate 4-phosphate decarboxylase (MOCGAGDA_00352)
Diacetyl reductase [(S)-acetoin forming] (MOCGAGDA_00345)
mercury resistance co-regulator MerD (NF033783.1) (MOCGAGDA_00385)
S-formylglutathione hydrolase FrmB (MOCGAGDA_00324)
Glycerol-3-phosphate regulon repressor (MOCGAGDA_00355)
Transcriptional repressor FrmR (MOCGAGDA_00327)
Paris_II__AriA_AAA21__All_AAA21_ali (MOCGAGDA_00358)
ISNCY family transposase ISSen7 (MOCGAGDA_00343)
organomercurial transporter MerC (NF033784.1) (MOCGAGDA_00387)
IS110 family transposase IS5708 (MOCGAGDA_00349)
mercuric transport protein MerT (NF033560.1) (MOCGAGDA_00389)
Transcriptional regulator AcuR (MOCGAGDA_00330)
putative N-acetyltransferase YafP (MOCGAGDA_00372)
IS3 family transposase ISEhe3 (MOCGAGDA_00339)
IS1 family transposase IS1R (MOCGAGDA_00366)
IS5 family transposase IS903 (MOCGAGDA_00346)
Chromosome partition protein Smc (MOCGAGDA_00395)
IS5 family transposase IS903 (MOCGAGDA_00344)
IS6 family transposase IS26 (MOCGAGDA_00368)
IS1 family transposase IS1X2 (MOCGAGDA_00341)
IS6 family transposase IS15 (MOCGAGDA_00361)
IS110 family transposase ISEc21 (MOCGAGDA_00323)
IS6 family transposase IS26 (MOCGAGDA_00350)
Tn3 family transposase ISEc63 (MOCGAGDA_00391)
IS30 family transposase IS30 (MOCGAGDA_00336)
Tyrosine recombinase XerC (MOCGAGDA_00369)
MymA operon (VF0840) (MOCGAGDA_00326)
Tyrosine recombinase XerC (MOCGAGDA_00363)
315 Acrylyl-CoA reductase AcuI (MOCGAGDA_00329)
L-threonate dehydrogenase (MOCGAGDA_00354)
Mercuric reductase (MOCGAGDA_00386)
318
334
2-oxo-tetronate isomerase (MOCGAGDA_00351)
Dpd__DpdC (MOCGAGDA_00393)
313
317
320
333
Glycerol dehydrogenase (MOCGAGDA_00348)
380
383
398
312
316
321
332
337
3-oxo-tetronate kinase (MOCGAGDA_00353)
381
396
314
319
322
328
331
335
338
342
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362
367
373
377
382
392
394
397
IMGPR_plasmid_2791354790_000001 285728:354223(+)
TIGRFAMs: mercury resistance system periplasmic binding protein MerP (TIGR02052.1) (KHMLBKHP_00268)
quaternary ammonium compound efflux SMR transporter QacE (NF000276.2) (KHMLBKHP_00280)
QnrVC family quinolone resistance pentapeptide repeat protein (NF000421.1) (KHMLBKHP_00277)
PRK|PRK13747.1: broad-spectrum mercury transporter MerE (NF010310.2) (KHMLBKHP_00272)
FosG family fosfomycin resistance glutathione transferase (NF000467.1) (KHMLBKHP_00322)
AAC(6')-Ib family aminoglycoside 6'-N-acetyltransferase (NF033074.0) (KHMLBKHP_00285)
AAC(3)-I family aminoglycoside 3-N-acetyltransferase (NF033083.0) (KHMLBKHP_00284)
ANT(9) family aminoglycoside nucleotidyltransferase (NF012212.1) (KHMLBKHP_00281)
sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (KHMLBKHP_00279)
Phthiocerol synthesis polyketide synthase type I PpsC (KHMLBKHP_00306)
Succinate-semialdehyde dehydrogenase [NADP(+)] 1 (KHMLBKHP_00299)
3-oxo-tetronate 4-phosphate decarboxylase (KHMLBKHP_00294)
Diacetyl reductase [(S)-acetoin forming] (KHMLBKHP_00301)
S-formylglutathione hydrolase FrmB (KHMLBKHP_00323)
TEM family class A beta-lactamase (NF000531.2) (KHMLBKHP_00290)
Transcriptional repressor FrmR (KHMLBKHP_00320)
Glycerol-3-phosphate regulon repressor (KHMLBKHP_00291)
ISNCY family transposase ISSen7 (KHMLBKHP_00303)
IS110 family transposase IS5708 (KHMLBKHP_00297)
Transcriptional regulator AcuR (KHMLBKHP_00317)
Paris_II__AriA_AAA21__All_AAA21_ali (KHMLBKHP_00288)
IS3 family transposase ISEhe3 (KHMLBKHP_00307)
PRK|PRK13752.1: Hg(II)-responsive transcriptional regulator (NF010315.0) (KHMLBKHP_00266)
IS1 family transposase IS1X2 (KHMLBKHP_00305)
sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (KHMLBKHP_00276)
IS5 family transposase IS903 (KHMLBKHP_00300)
mercury resistance co-regulator MerD (NF033783.1) (KHMLBKHP_00271)
IS5 family transposase IS903 (KHMLBKHP_00302)
organomercurial transporter MerC (NF033784.1) (KHMLBKHP_00269)
IS30 family transposase IS30 (KHMLBKHP_00312)
putative N-acetyltransferase YafP (KHMLBKHP_00283)
IS110 family transposase ISEc21 (KHMLBKHP_00325)
IS6 family transposase IS26 (KHMLBKHP_00296)
mercuric transport protein MerT (NF033560.1) (KHMLBKHP_00267)
Acrylyl-CoA reductase AcuI (KHMLBKHP_00318)
L-threonate dehydrogenase (KHMLBKHP_00292)
MymA operon (VF0840) (KHMLBKHP_00321)
Tyrosine recombinase XerC (KHMLBKHP_00286)
314
310
2-oxo-tetronate isomerase (KHMLBKHP_00295)
Tn3 family transposase ISEc63 (KHMLBKHP_00265)
328
315
309
Glycerol dehydrogenase (KHMLBKHP_00298)
Mercuric reductase (KHMLBKHP_00270)
330
327
316
311
3-oxo-tetronate kinase (KHMLBKHP_00293)
275
273
Dpd__DpdC (KHMLBKHP_00263)
329
326
324
319
313
308
304
289
287
282
278
274
264
IMGPR_plasmid_2788500363_000003 230062:292415(-)
BKC/GPC family carbapenem-hydrolyzing class A beta-lactamase (NF033626.2) (ENCANPCF_00215)
FosG family fosfomycin resistance glutathione transferase (NF000467.1) (ENCANPCF_00190)
Phthiocerol synthesis polyketide synthase type I PpsC (ENCANPCF_00202)
TEM family class A beta-lactamase (NF000531.2) (ENCANPCF_00207)
S-formylglutathione hydrolase FrmB (ENCANPCF_00189)
Transcriptional repressor FrmR (ENCANPCF_00192)
ISNCY family transposase ISSen7 (ENCANPCF_00205)
IS110 family transposase ISEc21 (ENCANPCF_00187)
Transcriptional regulator AcuR (ENCANPCF_00195)
IS1 family transposase IS1X2 (ENCANPCF_00203)
IS3 family transposase ISEhe3 (ENCANPCF_00201)
IS30 family transposase IS30 (ENCANPCF_00200)
Acrylyl-CoA reductase AcuI (ENCANPCF_00194)
Tn3 family transposase Tn2 (ENCANPCF_00209)
Transposon Tn3 resolvase (ENCANPCF_00208)
MymA operon (VF0840) (ENCANPCF_00191)
IS1182 family transposase ISKpn6 (ENCANPCF_00216)
198
IS21 family transposase ISKpn7 (ENCANPCF_00213)
184
197
Tn3 family transposase ISPsy42 (ENCANPCF_00211)
182
185
196
Tyrosine recombinase XerC (ENCANPCF_00210)
183
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212
214
Tn3 family transposase Tn2 (ENCANPCF_00217)
IMGPR_plasmid_2718217735_000002 174780:216017(+)
TIGRFAMs: mercury resistance system periplasmic binding protein MerP (TIGR02052.1) (GHAMLOPL_00326)
Qac-pB8 family quaternary ammonium compound efflux SMR transporter (NF000148.1) (GHAMLOPL_00331)
BKC/GPC family carbapenem-hydrolyzing class A beta-lactamase (NF033626.2) (GHAMLOPL_00309)
PRK|PRK13747.1: broad-spectrum mercury transporter MerE (NF010310.2) (GHAMLOPL_00322)
PRK|PRK13752.1: Hg(II)-responsive transcriptional regulator (NF010315.0) (GHAMLOPL_00328)
AAC(6')-Ib family aminoglycoside 6'-N-acetyltransferase (NF033074.0) (GHAMLOPL_00317)
ANT(9) family aminoglycoside nucleotidyltransferase (NF012212.1) (GHAMLOPL_00318)
mercury resistance co-regulator MerD (NF033783.1) (GHAMLOPL_00323)
organomercurial transporter MerC (NF033784.1) (GHAMLOPL_00325)
TEM family class A beta-lactamase (NF000531.2) (GHAMLOPL_00321)
mercuric transport protein MerT (NF033560.1) (GHAMLOPL_00327)
class D beta-lactamase (NF000270.1) (GHAMLOPL_00319)
IS1182 family transposase ISKpn6 (GHAMLOPL_00308)
Transposon gamma-delta resolvase (GHAMLOPL_00332)
IS21 family transposase ISKpn7 (GHAMLOPL_00311)
Transposon Tn3 resolvase (GHAMLOPL_00320)
Tn3 family transposase Tn2 (GHAMLOPL_00315)
Transposon Tn3 resolvase (GHAMLOPL_00316)
Tn3 family transposase ISPsy42 (GHAMLOPL_00313)
Serine recombinase PinR (GHAMLOPL_00307)
Na(+)/H(+) antiporter NhaA (GHAMLOPL_00330)
Tyrosine recombinase XerC (GHAMLOPL_00314)
Tn3 family transposase (GHAMLOPL_00306)
Tn3 family transposase ISEc63 (GHAMLOPL_00333)
300
Mercuric reductase (GHAMLOPL_00324)
301
305
310
312
329
Dpd__DpdC (GHAMLOPL_00334)
IMGPR_plasmid_2660238542_000002 276066:315671(+)
multidrug efflux RND transporter periplasmic adaptor subunit MexE (NF045904.1) (JBDCAPFN_00277)
Transposon gamma-delta resolvase (JBDCAPFN_00257)
putative ABC transporter permease (JBDCAPFN_00276)
IS110 family transposase IS4321L (JBDCAPFN_00279)
IS110 family transposase IS5075 (JBDCAPFN_00273)
Nucleoid occlusion factor SlmA (JBDCAPFN_00278)
Coenzyme A disulfide reductase (JBDCAPFN_00266)
DNA-binding protein H-NS (JBDCAPFN_00263)
IS5 family transposase ISKpn26 (JBDCAPFN_00283)
Tn3 family transposase ISEc63 (JBDCAPFN_00256)
csa3_I_II_III_IV_V_VI_2 (JBDCAPFN_00267)
Bacterial non-heme ferritin (JBDCAPFN_00284)
Thoeris__ThsB_Global (JBDCAPFN_00260)
IS6 family transposase IS26 (JBDCAPFN_00285)
Thoeris__ThsB_Global (JBDCAPFN_00259)
FbpABC (VF0272) (JBDCAPFN_00275)
DNA-binding protein H-NS, plasmid (JBDCAPFN_00254)
Gabija__GajB_2 (JBDCAPFN_00287)
HP-NAP (VF0052) (JBDCAPFN_00269)
290
282
272
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292
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281
270
262
255
Dpd__DpdC (JBDCAPFN_00252)
291
288
286
280
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multidrug efflux RND transporter periplasmic adaptor subunit MexE (NF045904.1) (AFMOPFGH_00212)
TIGRFAMs: mercury(II) reductase (TIGR02053.1) (AFMOPFGH_00200)
Transposon gamma-delta resolvase (AFMOPFGH_00191)
putative ABC transporter permease (AFMOPFGH_00211)
IS110 family transposase IS4321L (AFMOPFGH_00214)
Coenzyme A disulfide reductase (AFMOPFGH_00201)
IS110 family transposase IS5075 (AFMOPFGH_00208)
Nucleoid occlusion factor SlmA (AFMOPFGH_00213)
DNA-binding protein H-NS, plasmid (AFMOPFGH_00188)
DNA-binding protein H-NS (AFMOPFGH_00197)
IS5 family transposase ISKpn26 (AFMOPFGH_00217)
Tn3 family transposase ISEc63 (AFMOPFGH_00190)
csa3_I_II_III_IV_V_VI_2 (AFMOPFGH_00202)
Bacterial non-heme ferritin (AFMOPFGH_00218)
Thoeris__ThsB_Global (AFMOPFGH_00194)
IS6 family transposase IS26 (AFMOPFGH_00219)
Thoeris__ThsB_Global (AFMOPFGH_00193)
FbpABC (VF0272) (AFMOPFGH_00210)
Gabija__GajB_2 (AFMOPFGH_00221)
HP-NAP (VF0052) (AFMOPFGH_00204)
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Dpd__DpdC (AFMOPFGH_00186)
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20000 nt
Defence
Virulence
AMR