Peroxyureidoacrylate/ureidoacrylate amidohydrolase RutB (BCEJNPCC_00317)
Inner membrane ABC transporter permease protein YcjP (BCEJNPCC_00308)
3-oxoacyl-[acyl-carrier-protein] reductase FabG (BCEJNPCC_00315)
Trehalose-recycling ABC transporter (VF0842) (BCEJNPCC_00307)
HTH-type transcriptional activator RhaS (BCEJNPCC_00314)
PD-Lambda-2__PD-Lambda-2_C (BCEJNPCC_00313)
D-threonine aldolase (BCEJNPCC_00321)
Trehalose-recycling ABC transporter (VF0842) (BCEJNPCC_00310)
BCEJNPCC_00318
Putative oxidoreductase YteT (BCEJNPCC_00306)
BCEJNPCC_00319
BCEJNPCC_00311
BCEJNPCC_00320
BCEJNPCC_00309
BCEJNPCC_00312
BCEJNPCC_00316
BCEJNPCC_00322
IMGPR_plasmid_2721755556_000004 326259:343919(+)
HTH-type transcriptional activator RhaS (OHEPOACL_00121)
OHEPOACL_00120
OHEPOACL_00118
OHEPOACL_00119
OHEPOACL_00128
IMGPR_plasmid_2609460209_000011 116400:131803(+)
Peroxyureidoacrylate/ureidoacrylate amidohydrolase RutB (IMDFDJLG_00285)
2-iminobutanoate/2-iminopropanoate deaminase (IMDFDJLG_00292)
HTH-type transcriptional activator RhaS (IMDFDJLG_00282)
HTH-type transcriptional regulator HexR (IMDFDJLG_00293)
280 281 284 286 287 288 291
IMGPR_plasmid_2718218232_000004 301525:320956(+)
288 292
Retron_VI__HTH (PJOLAJDE_00285) 286 287 289 290 291 HTH-type transcriptional activator RhaS (PJOLAJDE_00293)
IMGPR_plasmid_2721755685_000004 305654:323482(+)
Avs_III__Avs3B (MADHIADK_00305)
Avs_III__Avs3A (MADHIADK_00304)
HTH-type transcriptional activator RhaS (MADHIADK_00306)
IMGPR_plasmid_2842422224_000004 323891:344155(+)
HTH-type transcriptional activator RhaS (OIMJPKAF_00123)
Dnd__DndB (OIMJPKAF_00122)
121
117 118 119 120 127
IMGPR_plasmid_2791355261_000013 125830:144801(+)
IS66 family transposase ISXau4 (BNCMMLDE_00310)
317
307 308 309 311 312 313 314 315 316 HTH-type transcriptional activator RhaS (BNCMMLDE_00318)
IMGPR_plasmid_2872747094_000004 327148:351433(+)
FJFGBAIK_00004 FJFGBAIK_00002
FJFGBAIK_00003 IS66 family transposase ISXau4 (FJFGBAIK_00001)
IMGPR_plasmid_2842311132_000020 314:10723(-)
JILHJAMH_00122
IMGPR_plasmid_2896557008_000004 115784:128561(+)
DAEHNDLG_00288
IMGPR_plasmid_2721755684_000004 307696:322825(+)
HNDKMFCJ_00411
IMGPR_plasmid_2850814604_000003 437682:448686(+)
PBAGENFK_00176
IMGPR_plasmid_2510065076_000003 192406:204538(-)
FDLGDLMF_00175
IMGPR_plasmid_2896545022_000003 175165:187299(+)
EGLAHEBD_00296
IMGPR_plasmid_2509276033_000002 327509:339642(-)
5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase (IALMIGBF_00392)
IMGPR_plasmid_2791355266_000023 433620:446882(-)
5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase (MGKPBKCA_00331)
MGKPBKCA_00332
IMGPR_plasmid_2838048938_000014 351005:366353(+)
Menshen__NsnA (MNJHOGOJ_00319) MNJHOGOJ_00320
IMGPR_plasmid_3300025273_000170 349412:361977(+)
PPLNPBBJ_00296 PPLNPBBJ_00297
IMGPR_plasmid_2842192696_000006 301099:315497(+)
CEPLJHMP_00071 CEPLJHMP_00070
IMGPR_plasmid_643348569_000003 73144:89946(-)
GEDAOHBA_00208 GEDAOHBA_00209
IMGPR_plasmid_2842395702_000013 205210:219814(+)
Hachiman__HamA_2 (JFNGGEGA_00016)
JFNGGEGA_00015 JFNGGEGA_00017
IMGPR_plasmid_2738541346_000019 9327:24874(+)
Hachiman__HamA_2 (ODMAFMLI_00210)
ODMAFMLI_00211 ODMAFMLI_00209
IMGPR_plasmid_2842447887_000017 230906:246452(-)
GAPS1__GAPS1 (LNLBNGLI_00096)
LNLBNGLI_00095 LNLBNGLI_00093
LNLBNGLI_00094
IMGPR_plasmid_2513237085_000008 94985:110221(-)
Gao_Iet__IetA (CMHEOLDN_00288) CMHEOLDN_00290
CMHEOLDN_00289 CMHEOLDN_00291
IMGPR_plasmid_2718218233_000004 305103:321283(+)
PONKLDJO_00435
AhpC (VF0306) (PONKLDJO_00433) PONKLDJO_00436
Mycobactin (VF0299) (PONKLDJO_00434)
IMGPR_plasmid_2791355264_000014 458783:476338(+)
IS630 family transposase ISRm2011-2 (LDKMAPHI_00255)
LDKMAPHI_00254 HTH-type transcriptional regulator LeuO (LDKMAPHI_00257)
LDKMAPHI_00256
IMGPR_plasmid_2517287029_000004 274304:287573(+)
Protein of unknown function (Retron_VII_2__DUF3800) (CKIOFDAC_00301)
Lamassu-Fam__LmuA_effector_Cap4_nuclease_II (CKIOFDAC_00302)
Lamassu-Fam__LmuC_acc_Cap4_nuclease (CKIOFDAC_00303)
Lamassu-Fam__LmuB_SMC_Cap4_nuclease_II (CKIOFDAC_00304)
IMGPR_plasmid_2842341865_000014 314645:329734(+)
Lamassu-Fam__LmuA_effector_Cap4_nuclease_II (HCHGGNOK_00391)
Lamassu-Fam__LmuC_acc_Cap4_nuclease (HCHGGNOK_00392)
HCHGGNOK_00390 Lamassu-Fam__LmuB_SMC_Cap4_nuclease_II (HCHGGNOK_00393)
IMGPR_plasmid_2721755810_000004 413847:427927(+)
HTH-type transcriptional regulator MurR (CNAJIOPI_00073)
CNAJIOPI_00078 Sugar efflux transporter C (CNAJIOPI_00072)
IMGPR_plasmid_2630968330_000006 74810:89295(-)
Gabija__GajA (ELLBMHPC_00296)
Gabija__GajB_2 (ELLBMHPC_00295) 297 298 299
IMGPR_plasmid_642555152_000003 312593:329206(+)
Type I restriction enzyme EcoKI M protein (MCHNMDPL_00089)
D-threonine aldolase (MCHNMDPL_00093)
Septu__PtuA (MCHNMDPL_00091) ATP-dependent RecD-like DNA helicase (MCHNMDPL_00094)
90 Septu__PtuB (MCHNMDPL_00092)
IMGPR_plasmid_2852395405_000004 84712:104299(+)
Oxygen-dependent choline dehydrogenase (DGCBDPAE_00157)
156 158 159 160 161 NADPH dehydrogenase (DGCBDPAE_00162)
IMGPR_plasmid_2515075009_000005 164499:187276(+)
288
286 287 289 290 291 ATP-dependent RecD-like DNA helicase (IGAGFGKA_00292)
IMGPR_plasmid_2721755823_000004 308898:330858(+)
Olokun__OloB (KLPDOEOB_00300)
298
296 297 299 301 302 303
IMGPR_plasmid_2718218199_000004 319442:338156(+)
HTH-type transcriptional regulator PgrR (KLLLIKFK_00208)
csa3_I_II_III_IV_V_VI_2 (KLLLIKFK_00207)
Arginase (KLLLIKFK_00205)
203 204 206 209
IMGPR_plasmid_2936375103_000004 208879:223485(+)
Arginase (LKEJHGML_00127)
125 126 128 csa3_I_II_III_IV_V_VI_2 (LKEJHGML_00129)
IMGPR_plasmid_2936367885_000006 120204:134808(+)
Cmx/CmrA family chloramphenicol efflux MFS transporter (NF033135.1) (JFJDNMHB_00413)
HTH-type transcriptional regulator MtrA (JFJDNMHB_00414) csa3_I_II_III_IV_V_VI_2 (JFJDNMHB_00411)
JFJDNMHB_00412
IMGPR_plasmid_2928359186_000006 441984:454357(-)
Maltose/maltodextrin import ATP-binding protein MalK (ILJHOOOK_00241)
Maltose/maltodextrin import ATP-binding protein MalK (ILJHOOOK_00240)
putative protein YyaP (ILJHOOOK_00237)
Arginase (ILJHOOOK_00238)
242 239 ECF RNA polymerase sigma factor SigG (ILJHOOOK_00236)
IMGPR_plasmid_2791355258_000007 249169:264585(-)
Maltose/maltodextrin import ATP-binding protein MalK (DIJELBHA_00165)
Arginase (DIJELBHA_00167)
164 166 168
IMGPR_plasmid_2510065019_000004 168687:182792(+)
D-threonine aldolase (IOKDHFDC_00168)
IOKDHFDC_00167 Dihydroanticapsin 7-dehydrogenase (IOKDHFDC_00173)
IMGPR_plasmid_2765235942_000014 166036:177956(+)
Arginase (FHAOPJFM_00398)
399 396 395 394 393 392 391 HTH-type transcriptional activator RhaR (FHAOPJFM_00390)
IMGPR_plasmid_2844462476_000003 416671:434744(-)
Response regulator protein TmoT (ACJEKNHC_00122)
Adaptive-response sensory-kinase SasA (ACJEKNHC_00123)
Haloalkane dehalogenase (ACJEKNHC_00116)
Arginase (ACJEKNHC_00124)
119 117
125 121 120 118 putative oxidoreductase (ACJEKNHC_00115)
IMGPR_plasmid_2513237084_000007 121157:141247(-)
Maltose/maltodextrin import ATP-binding protein MalK (CKOFAEAL_00312)
HTH-type transcriptional regulator SutR (CKOFAEAL_00319)
3-phenylpropionate-dihydrodiol/cinnamic acid-dihydrodiol dehydrogenase (CKOFAEAL_00304)
HTH-type transcriptional regulator PgrR (CKOFAEAL_00314)
Tryptophan-rich sensory protein (CKOFAEAL_00316)
HTH-type transcriptional regulator PgrR (CKOFAEAL_00306)
317
HTH-type transcriptional activator RhaS (CKOFAEAL_00308)
318 315 313 311 310 309 305
IMGPR_plasmid_2775507240_000004 315199:340837(-)
Maltose/maltodextrin import ATP-binding protein MalK (JILBGOFG_00249)
HTH-type transcriptional regulator SutR (JILBGOFG_00242)
HTH-type transcriptional regulator PgrR (JILBGOFG_00247)
Tryptophan-rich sensory protein (JILBGOFG_00245)
244
243 246 248 250 251 HTH-type transcriptional activator RhaS (JILBGOFG_00252)
IMGPR_plasmid_2842317721_000020 239932:265574(+)
HTH-type transcriptional regulator SutR (ABMEHFMD_00172)
HTH-type transcriptional regulator PgrR (ABMEHFMD_00177)
Tryptophan-rich sensory protein (ABMEHFMD_00175)
174
173 176 178 HTH-type transcriptional activator RhaS (ABMEHFMD_00179)
IMGPR_plasmid_2842489311_000013 169152:188141(+)
Maltose/maltodextrin import ATP-binding protein MalK (EOHJNKMJ_00398)
HTH-type transcriptional regulator SutR (EOHJNKMJ_00391)
HTH-type transcriptional regulator PgrR (EOHJNKMJ_00396)
Tryptophan-rich sensory protein (EOHJNKMJ_00394)
393
392 395 397 399 400 HTH-type transcriptional activator RhaS (EOHJNKMJ_00401)
IMGPR_plasmid_2728369397_000005 414338:434194(+)
HTH-type transcriptional regulator SutR (PJIAIELL_00287)
HTH-type transcriptional regulator PgrR (PJIAIELL_00282)
Tryptophan-rich sensory protein (PJIAIELL_00284)
285
HTH-type transcriptional activator RhaS (PJIAIELL_00277)
286 283 281 280 279 278 275 274
IMGPR_plasmid_2630968325_000004 294655:316189(-)
Maltose/maltodextrin import ATP-binding protein MalK (EPHIPMJE_00355)
HTH-type transcriptional regulator SutR (EPHIPMJE_00350)
Tryptophan-rich sensory protein (EPHIPMJE_00353)
352
351 354 356 357 358 359 HTH-type transcriptional activator RhaS (EPHIPMJE_00360)
IMGPR_plasmid_2585427632_000005 372871:393831(+)
Maltose/maltodextrin import ATP-binding protein MalK (JHKKEMNO_00003)
Maltose/maltodextrin import ATP-binding protein MalK (JHKKEMNO_00004)
putative protein YyaP (JHKKEMNO_00007)
Arginase (JHKKEMNO_00006)
2 5 ECF RNA polymerase sigma factor SigG (JHKKEMNO_00008)
IMGPR_plasmid_2516653047_000004 167:10974(+)
10000 nt
Defence
Virulence
AMR