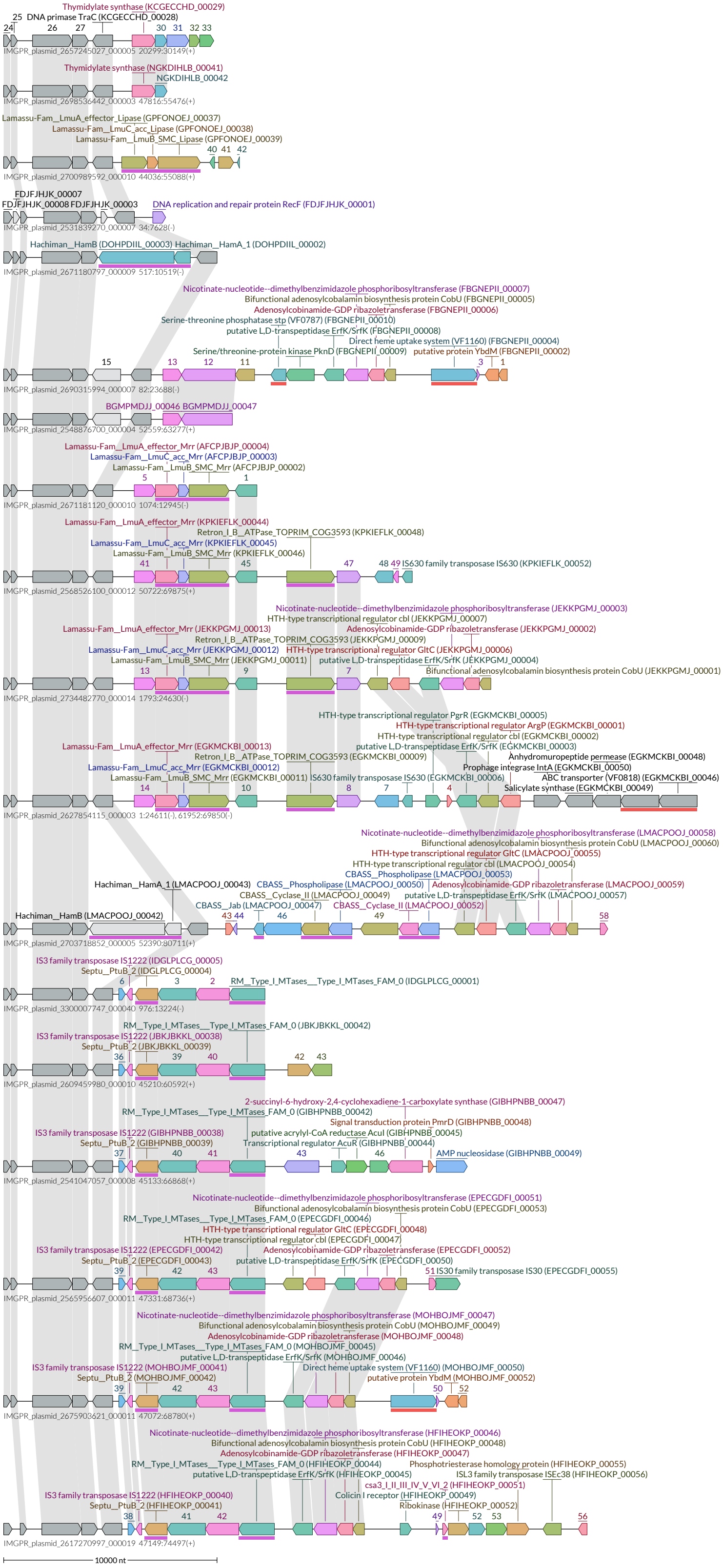
Thymidylate synthase (KCGECCHD_00029)
DNA primase TraC (KCGECCHD_00028)
IMGPR_plasmid_2657245027_000005 20299:30149(+)
Thymidylate synthase (NGKDIHLB_00041)
NGKDIHLB_00042
IMGPR_plasmid_2698536442_000003 47816:55476(+)
Lamassu-Fam__LmuA_effector_Lipase (GPFONOEJ_00037)
Lamassu-Fam__LmuC_acc_Lipase (GPFONOEJ_00038)
Lamassu-Fam__LmuB_SMC_Lipase (GPFONOEJ_00039)
IMGPR_plasmid_2700989592_000010 44036:55088(+)
FDJFJHJK_00007
FDJFJHJK_00008 FDJFJHJK_00003
DNA replication and repair protein RecF (FDJFJHJK_00001)
IMGPR_plasmid_2531839270_000007 34:7628(-)
Hachiman__HamB (DOHPDIIL_00003) Hachiman__HamA_1 (DOHPDIIL_00002)
IMGPR_plasmid_2671180797_000009 517:10519(-)
Nicotinate-nucleotide--dimethylbenzimidazole phosphoribosyltransferase (FBGNEPII_00007)
Bifunctional adenosylcobalamin biosynthesis protein CobU (FBGNEPII_00005)
Adenosylcobinamide-GDP ribazoletransferase (FBGNEPII_00006)
Serine-threonine phosphatase stp (VF0787) (FBGNEPII_00010)
putative L,D-transpeptidase ErfK/SrfK (FBGNEPII_00008)
Direct heme uptake system (VF1160) (FBGNEPII_00004)
Serine/threonine-protein kinase PknD (FBGNEPII_00009)
putative protein YbdM (FBGNEPII_00002)
IMGPR_plasmid_2690315994_000007 82:23688(-)
BGMPMDJJ_00046 BGMPMDJJ_00047
IMGPR_plasmid_2548876700_000004 52559:63277(+)
Lamassu-Fam__LmuA_effector_Mrr (AFCPJBJP_00004)
Lamassu-Fam__LmuC_acc_Mrr (AFCPJBJP_00003)
Lamassu-Fam__LmuB_SMC_Mrr (AFCPJBJP_00002)
IMGPR_plasmid_2671181120_000010 1074:12945(-)
Lamassu-Fam__LmuA_effector_Mrr (KPKIEFLK_00044)
Retron_I_B__ATPase_TOPRIM_COG3593 (KPKIEFLK_00048)
Lamassu-Fam__LmuC_acc_Mrr (KPKIEFLK_00045)
Lamassu-Fam__LmuB_SMC_Mrr (KPKIEFLK_00046)
IS630 family transposase IS630 (KPKIEFLK_00052)
IMGPR_plasmid_2568526100_000012 50722:69875(+)
Nicotinate-nucleotide--dimethylbenzimidazole phosphoribosyltransferase (JEKKPGMJ_00003)
HTH-type transcriptional regulator cbl (JEKKPGMJ_00007)
Lamassu-Fam__LmuA_effector_Mrr (JEKKPGMJ_00013)
Adenosylcobinamide-GDP ribazoletransferase (JEKKPGMJ_00002)
Retron_I_B__ATPase_TOPRIM_COG3593 (JEKKPGMJ_00009)
Lamassu-Fam__LmuC_acc_Mrr (JEKKPGMJ_00012)
HTH-type transcriptional regulator GltC (JEKKPGMJ_00006)
Lamassu-Fam__LmuB_SMC_Mrr (JEKKPGMJ_00011)
putative L,D-transpeptidase ErfK/SrfK (JEKKPGMJ_00004)
Bifunctional adenosylcobalamin biosynthesis protein CobU (JEKKPGMJ_00001)
IMGPR_plasmid_2734482770_000014 1793:24630(-)
HTH-type transcriptional regulator PgrR (EGKMCKBI_00005)
HTH-type transcriptional regulator ArgP (EGKMCKBI_00001)
HTH-type transcriptional regulator cbl (EGKMCKBI_00002)
Lamassu-Fam__LmuA_effector_Mrr (EGKMCKBI_00013)
putative L,D-transpeptidase ErfK/SrfK (EGKMCKBI_00003)
Retron_I_B__ATPase_TOPRIM_COG3593 (EGKMCKBI_00009)
Anhydromuropeptide permease (EGKMCKBI_00048)
Lamassu-Fam__LmuC_acc_Mrr (EGKMCKBI_00012)
Prophage integrase IntA (EGKMCKBI_00050)
Lamassu-Fam__LmuB_SMC_Mrr (EGKMCKBI_00011)
IS630 family transposase IS630 (EGKMCKBI_00006)
ABC transporter (VF0818) (EGKMCKBI_00046)
Salicylate synthase (EGKMCKBI_00049)
IMGPR_plasmid_2627854115_000003 1:24611(-), 61952:69850(-)
Nicotinate-nucleotide--dimethylbenzimidazole phosphoribosyltransferase (LMACPOOJ_00058)
Bifunctional adenosylcobalamin biosynthesis protein CobU (LMACPOOJ_00060)
HTH-type transcriptional regulator GltC (LMACPOOJ_00055)
HTH-type transcriptional regulator cbl (LMACPOOJ_00054)
CBASS__Phospholipase (LMACPOOJ_00053)
Hachiman__HamA_1 (LMACPOOJ_00043)
CBASS__Phospholipase (LMACPOOJ_00050)
Adenosylcobinamide-GDP ribazoletransferase (LMACPOOJ_00059)
CBASS__Cyclase_II (LMACPOOJ_00049)
putative L,D-transpeptidase ErfK/SrfK (LMACPOOJ_00057)
CBASS__Jab (LMACPOOJ_00047)
CBASS__Cyclase_II (LMACPOOJ_00052)
Hachiman__HamB (LMACPOOJ_00042)
IMGPR_plasmid_2703718852_000005 52390:80711(+)
IS3 family transposase IS1222 (IDGLPLCG_00005)
Septu__PtuB_2 (IDGLPLCG_00004)
RM__Type_I_MTases__Type_I_MTases_FAM_0 (IDGLPLCG_00001)
IMGPR_plasmid_3300007747_000040 976:13224(-)
RM__Type_I_MTases__Type_I_MTases_FAM_0 (JBKJBKKL_00042)
IS3 family transposase IS1222 (JBKJBKKL_00038)
Septu__PtuB_2 (JBKJBKKL_00039)
IMGPR_plasmid_2609459980_000010 45210:60592(+)
2-succinyl-6-hydroxy-2,4-cyclohexadiene-1-carboxylate synthase (GIBHPNBB_00047)
RM__Type_I_MTases__Type_I_MTases_FAM_0 (GIBHPNBB_00042)
Signal transduction protein PmrD (GIBHPNBB_00048)
IS3 family transposase IS1222 (GIBHPNBB_00038)
putative acrylyl-CoA reductase AcuI (GIBHPNBB_00045)
Septu__PtuB_2 (GIBHPNBB_00039)
Transcriptional regulator AcuR (GIBHPNBB_00044)
AMP nucleosidase (GIBHPNBB_00049)
IMGPR_plasmid_2541047057_000008 45133:66868(+)
Nicotinate-nucleotide--dimethylbenzimidazole phosphoribosyltransferase (EPECGDFI_00051)
Bifunctional adenosylcobalamin biosynthesis protein CobU (EPECGDFI_00053)
RM__Type_I_MTases__Type_I_MTases_FAM_0 (EPECGDFI_00046)
HTH-type transcriptional regulator GltC (EPECGDFI_00048)
HTH-type transcriptional regulator cbl (EPECGDFI_00047)
IS3 family transposase IS1222 (EPECGDFI_00042)
Adenosylcobinamide-GDP ribazoletransferase (EPECGDFI_00052)
Septu__PtuB_2 (EPECGDFI_00043)
putative L,D-transpeptidase ErfK/SrfK (EPECGDFI_00050)
IS30 family transposase IS30 (EPECGDFI_00055)
IMGPR_plasmid_2565956607_000011 47331:68736(+)
Nicotinate-nucleotide--dimethylbenzimidazole phosphoribosyltransferase (MOHBOJMF_00047)
Bifunctional adenosylcobalamin biosynthesis protein CobU (MOHBOJMF_00049)
Adenosylcobinamide-GDP ribazoletransferase (MOHBOJMF_00048)
RM__Type_I_MTases__Type_I_MTases_FAM_0 (MOHBOJMF_00045)
putative L,D-transpeptidase ErfK/SrfK (MOHBOJMF_00046)
IS3 family transposase IS1222 (MOHBOJMF_00041)
Direct heme uptake system (VF1160) (MOHBOJMF_00050)
Septu__PtuB_2 (MOHBOJMF_00042)
putative protein YbdM (MOHBOJMF_00052)
IMGPR_plasmid_2675903621_000011 47072:68780(+)
Nicotinate-nucleotide--dimethylbenzimidazole phosphoribosyltransferase (HFIHEOKP_00046)
Bifunctional adenosylcobalamin biosynthesis protein CobU (HFIHEOKP_00048)
Adenosylcobinamide-GDP ribazoletransferase (HFIHEOKP_00047)
RM__Type_I_MTases__Type_I_MTases_FAM_0 (HFIHEOKP_00044)
Phosphotriesterase homology protein (HFIHEOKP_00055)
putative L,D-transpeptidase ErfK/SrfK (HFIHEOKP_00045)
ISL3 family transposase ISEc38 (HFIHEOKP_00056)
csa3_I_II_III_IV_V_VI_2 (HFIHEOKP_00051)
IS3 family transposase IS1222 (HFIHEOKP_00040)
Colicin I receptor (HFIHEOKP_00049)
Septu__PtuB_2 (HFIHEOKP_00041)
Ribokinase (HFIHEOKP_00052)
IMGPR_plasmid_2617270997_000019 47149:74497(+)
10000 nt
Defence
Virulence