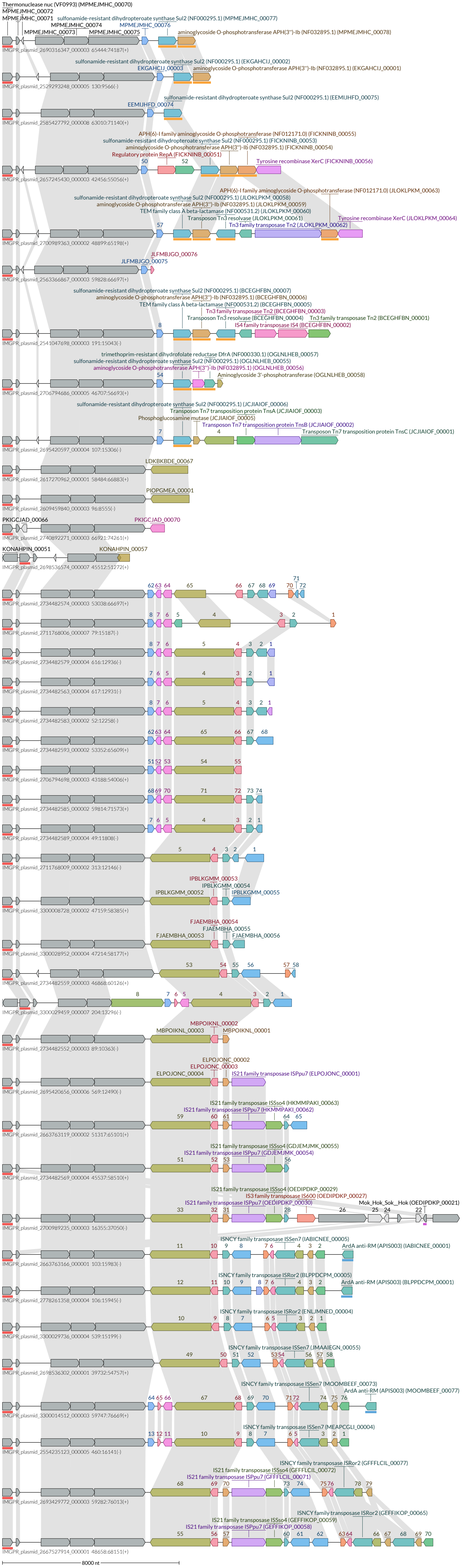
Thermonuclease nuc (VF0993) (MPMEJMHC_00070)
MPMEJMHC_00072
MPMEJMHC_00071
sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (MPMEJMHC_00077)
MPMEJMHC_00074
MPMEJMHC_00076
MPMEJMHC_00073
MPMEJMHC_00075
aminoglycoside O-phosphotransferase APH(3'')-Ib (NF032895.1) (MPMEJMHC_00078)
IMGPR_plasmid_2690316347_000003 65444:74187(+)
sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (EKGAHCIJ_00002)
EKGAHCIJ_00003
aminoglycoside O-phosphotransferase APH(3'')-Ib (NF032895.1) (EKGAHCIJ_00001)
IMGPR_plasmid_2529293248_000005 130:9566(-)
sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (EEMIJHFD_00075)
EEMIJHFD_00074
IMGPR_plasmid_2585427792_000008 63010:71140(+)
APH(6)-I family aminoglycoside O-phosphotransferase (NF012171.0) (FICKNINB_00055)
sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (FICKNINB_00053)
aminoglycoside O-phosphotransferase APH(3'')-Ib (NF032895.1) (FICKNINB_00054)
Regulatory protein RepA (FICKNINB_00051)
50
52
Tyrosine recombinase XerC (FICKNINB_00056)
IMGPR_plasmid_2657245430_000003 42456:55056(+)
APH(6)-I family aminoglycoside O-phosphotransferase (NF012171.0) (JLOKLPKM_00063)
sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (JLOKLPKM_00058)
aminoglycoside O-phosphotransferase APH(3'')-Ib (NF032895.1) (JLOKLPKM_00059)
TEM family class A beta-lactamase (NF000531.2) (JLOKLPKM_00060)
Transposon Tn3 resolvase (JLOKLPKM_00061)
Tyrosine recombinase XerC (JLOKLPKM_00064)
57
Tn3 family transposase Tn2 (JLOKLPKM_00062)
IMGPR_plasmid_2700989363_000002 48899:65198(+)
JLFMBJGO_00076
JLFMBJGO_00075
IMGPR_plasmid_2563366867_000003 59828:66697(+)
sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (BCEGHFBN_00007)
aminoglycoside O-phosphotransferase APH(3'')-Ib (NF032895.1) (BCEGHFBN_00006)
TEM family class A beta-lactamase (NF000531.2) (BCEGHFBN_00005)
Tn3 family transposase Tn2 (BCEGHFBN_00003)
Transposon Tn3 resolvase (BCEGHFBN_00004)
Tn3 family transposase Tn2 (BCEGHFBN_00001)
8
IS4 family transposase IS4 (BCEGHFBN_00002)
IMGPR_plasmid_2541047698_000003 191:15043(-)
trimethoprim-resistant dihydrofolate reductase DfrA (NF000330.1) (OGLNLHEB_00057)
sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (OGLNLHEB_00055)
aminoglycoside O-phosphotransferase APH(3'')-Ib (NF032895.1) (OGLNLHEB_00056)
54
Aminoglycoside 3'-phosphotransferase (OGLNLHEB_00058)
IMGPR_plasmid_2706794686_000005 46707:56693(+)
sulfonamide-resistant dihydropteroate synthase Sul2 (NF000295.1) (JCJIAIOF_00006)
Transposon Tn7 transposition protein TnsA (JCJIAIOF_00003)
Phosphoglucosamine mutase (JCJIAIOF_00005)
Transposon Tn7 transposition protein TnsB (JCJIAIOF_00002)
7
4
Transposon Tn7 transposition protein TnsC (JCJIAIOF_00001)
IMGPR_plasmid_2695420597_000004 107:15306(-)
LDKBKBDE_00067
IMGPR_plasmid_2617270962_000001 58484:66883(+)
PIOPGMEA_00001
IMGPR_plasmid_2609459840_000003 96:8555(-)
PKIGCJAD_00066
PKIGCJAD_00070
IMGPR_plasmid_2740892271_000003 66921:74261(+)
KONAHPIN_00051
KONAHPIN_00057
IMGPR_plasmid_2698536574_000007 45512:51272(+)
IMGPR_plasmid_2734482574_000003 53038:66697(+)
IMGPR_plasmid_2711768006_000007 79:15187(-)
IMGPR_plasmid_2734482579_000004 616:12936(-)
IMGPR_plasmid_2734482563_000004 617:12931(-)
IMGPR_plasmid_2734482583_000002 52:12258(-)
IMGPR_plasmid_2734482593_000002 53352:65609(+)
IMGPR_plasmid_2706794698_000003 43188:54006(+)
IMGPR_plasmid_2734482585_000002 59814:71573(+)
IMGPR_plasmid_2734482589_000004 49:11808(-)
IMGPR_plasmid_2711768009_000002 313:12146(-)
IPBLKGMM_00053
IPBLKGMM_00054
IPBLKGMM_00052
IPBLKGMM_00055
IMGPR_plasmid_3300008728_000002 47159:58385(+)
FJAEMBHA_00054
FJAEMBHA_00055
FJAEMBHA_00053
FJAEMBHA_00056
IMGPR_plasmid_3300028952_000004 47214:58177(+)
IMGPR_plasmid_2734482559_000003 46868:60126(+)
IMGPR_plasmid_3300029459_000007 204:13296(-)
MBPOIKNL_00002
MBPOIKNL_00003
MBPOIKNL_00001
IMGPR_plasmid_2734482552_000003 89:10363(-)
ELPOJONC_00002
ELPOJONC_00003
ELPOJONC_00004
IS21 family transposase ISPpu7 (ELPOJONC_00001)
IMGPR_plasmid_2695420656_000006 569:12490(-)
IS21 family transposase ISSso4 (HKMMPAKI_00063)
IS21 family transposase ISPpu7 (HKMMPAKI_00062)
IMGPR_plasmid_2663763119_000002 51317:65101(+)
IS21 family transposase ISSso4 (GDJEMJMK_00055)
IS21 family transposase ISPpu7 (GDJEMJMK_00054)
IMGPR_plasmid_2734482569_000004 45537:58510(+)
IS21 family transposase ISSso4 (OEDIPDKP_00029)
IS3 family transposase IS600 (OEDIPDKP_00027)
IS21 family transposase ISPpu7 (OEDIPDKP_00030)
Mok_Hok_Sok__Hok (OEDIPDKP_00021)
IMGPR_plasmid_2700989235_000003 16355:37050(-)
ISNCY family transposase ISSen7 (IABICNEE_00005)
ArdA anti-RM (APIS003) (IABICNEE_00001)
IMGPR_plasmid_2663763166_000001 103:15983(-)
ISNCY family transposase ISRor2 (BLPPDCPM_00005)
ArdA anti-RM (APIS003) (BLPPDCPM_00001)
IMGPR_plasmid_2778261358_000004 106:15945(-)
ISNCY family transposase ISRor2 (ENLJMNED_00004)
IMGPR_plasmid_3300029736_000004 539:15199(-)
ISNCY family transposase ISSen7 (JMAAIEGN_00055)
IMGPR_plasmid_2698536302_000001 39732:54757(+)
ISNCY family transposase ISSen7 (MOOMBEEF_00073)
ArdA anti-RM (APIS003) (MOOMBEEF_00077)
IMGPR_plasmid_3300014512_000003 59747:76669(+)
ISNCY family transposase ISSen7 (MEAPCGLI_00004)
IMGPR_plasmid_2554235123_000005 460:16141(-)
ISNCY family transposase ISRor2 (GFFFLCIL_00077)
IS21 family transposase ISSso4 (GFFFLCIL_00072)
IS21 family transposase ISPpu7 (GFFFLCIL_00071)
IMGPR_plasmid_2693429772_000003 59282:76013(+)
ISNCY family transposase ISRor2 (GEFFIKOP_00065)
IS21 family transposase ISSso4 (GEFFIKOP_00059)
IS21 family transposase ISPpu7 (GEFFIKOP_00058)
IMGPR_plasmid_2667527914_000001 48658:68151(+)
8000 nt
Defence
Virulence
Anti-defence
AMR