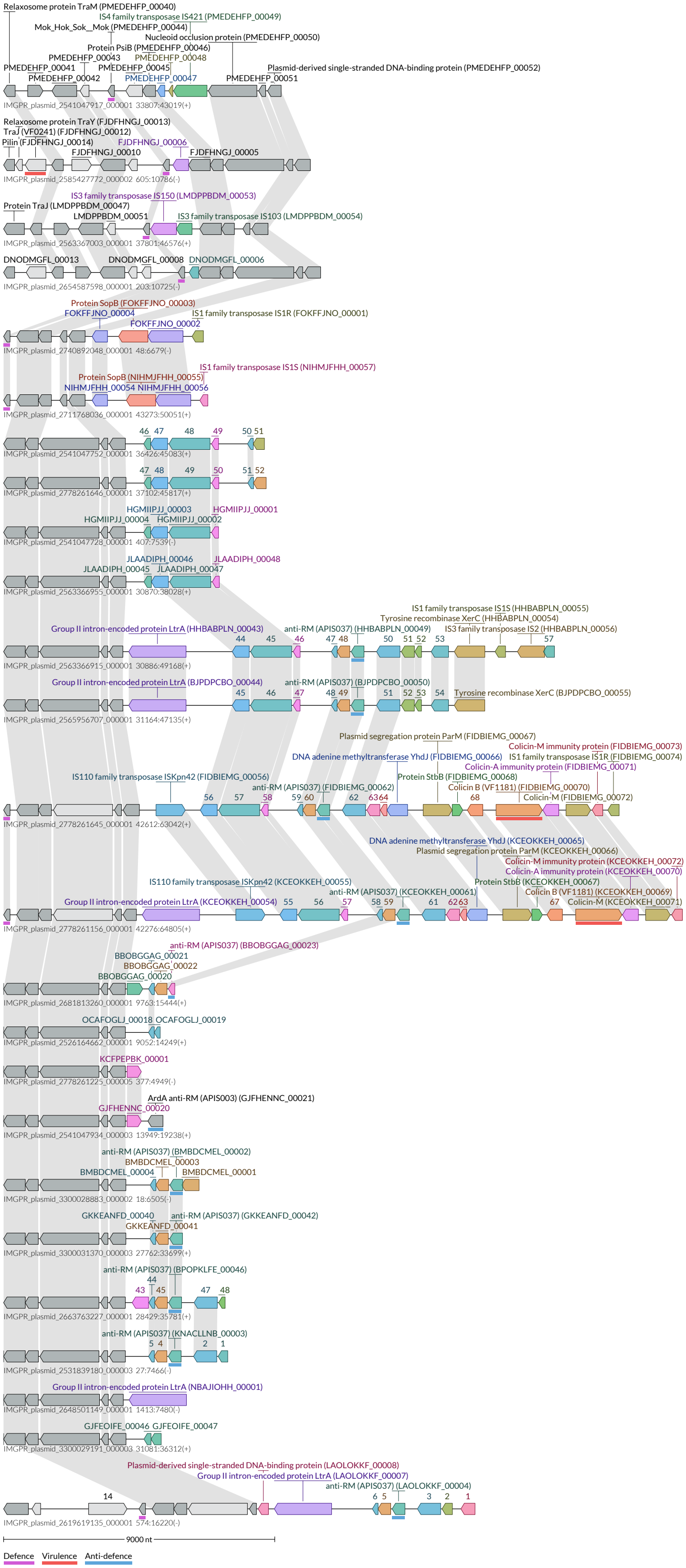
Relaxosome protein TraM (PMEDEHFP_00040)
IS4 family transposase IS421 (PMEDEHFP_00049)
Mok_Hok_Sok__Mok (PMEDEHFP_00044)
Nucleoid occlusion protein (PMEDEHFP_00050)
Protein PsiB (PMEDEHFP_00046)
PMEDEHFP_00043
PMEDEHFP_00048
PMEDEHFP_00041
PMEDEHFP_00045
Plasmid-derived single-stranded DNA-binding protein (PMEDEHFP_00052)
PMEDEHFP_00042
PMEDEHFP_00047
PMEDEHFP_00051
IMGPR_plasmid_2541047917_000001 33807:43019(+)
Relaxosome protein TraY (FJDFHNGJ_00013)
TraJ (VF0241) (FJDFHNGJ_00012)
Pilin (FJDFHNGJ_00014)
FJDFHNGJ_00006
FJDFHNGJ_00010
FJDFHNGJ_00005
IMGPR_plasmid_2585427772_000002 605:10786(-)
IS3 family transposase IS150 (LMDPPBDM_00053)
Protein TraJ (LMDPPBDM_00047)
LMDPPBDM_00051
IS3 family transposase IS103 (LMDPPBDM_00054)
IMGPR_plasmid_2563367003_000001 37801:46576(+)
DNODMGFL_00013
DNODMGFL_00008
DNODMGFL_00006
IMGPR_plasmid_2654587598_000001 203:10725(-)
Protein SopB (FOKFFJNO_00003)
FOKFFJNO_00004
IS1 family transposase IS1R (FOKFFJNO_00001)
FOKFFJNO_00002
IMGPR_plasmid_2740892048_000001 48:6679(-)
IS1 family transposase IS1S (NIHMJFHH_00057)
Protein SopB (NIHMJFHH_00055)
NIHMJFHH_00054
NIHMJFHH_00056
IMGPR_plasmid_2711768036_000001 43273:50051(+)
46 47 48 49 50 51
IMGPR_plasmid_2541047752_000001 36426:45083(+)
47 48 49 50 51 52
IMGPR_plasmid_2778261646_000001 37102:45817(+)
HGMIIPJJ_00003
HGMIIPJJ_00001
HGMIIPJJ_00004
HGMIIPJJ_00002
IMGPR_plasmid_2541047728_000001 407:7539(-)
JLAADIPH_00046
JLAADIPH_00048
JLAADIPH_00045
JLAADIPH_00047
IMGPR_plasmid_2563366955_000001 30870:38028(+)
IS1 family transposase IS1S (HHBABPLN_00055)
Tyrosine recombinase XerC (HHBABPLN_00054)
Group II intron-encoded protein LtrA (HHBABPLN_00043)
anti-RM (APIS037) (HHBABPLN_00049)
IS3 family transposase IS2 (HHBABPLN_00056)
44 45 46 47 48 50 51 52 53 57
IMGPR_plasmid_2563366915_000001 30886:49168(+)
Group II intron-encoded protein LtrA (BJPDPCBO_00044)
anti-RM (APIS037) (BJPDPCBO_00050)
45 46 47 48 49 51 52 53 54
Tyrosine recombinase XerC (BJPDPCBO_00055)
IMGPR_plasmid_2565956707_000001 31164:47135(+)
Plasmid segregation protein ParM (FIDBIEMG_00067)
Colicin-M immunity protein (FIDBIEMG_00073)
DNA adenine methyltransferase YhdJ (FIDBIEMG_00066)
IS1 family transposase IS1R (FIDBIEMG_00074)
Colicin-A immunity protein (FIDBIEMG_00071)
IS110 family transposase ISKpn42 (FIDBIEMG_00056)
Protein StbB (FIDBIEMG_00068)
anti-RM (APIS037) (FIDBIEMG_00062)
Colicin B (VF1181) (FIDBIEMG_00070)
56 57 58 59 60 62 63 64 68
Colicin-M (FIDBIEMG_00072)
IMGPR_plasmid_2778261645_000001 42612:63042(+)
DNA adenine methyltransferase YhdJ (KCEOKKEH_00065)
Plasmid segregation protein ParM (KCEOKKEH_00066)
Colicin-M immunity protein (KCEOKKEH_00072)
Colicin-A immunity protein (KCEOKKEH_00070)
IS110 family transposase ISKpn42 (KCEOKKEH_00055)
Protein StbB (KCEOKKEH_00067)
anti-RM (APIS037) (KCEOKKEH_00061)
Colicin B (VF1181) (KCEOKKEH_00069)
Group II intron-encoded protein LtrA (KCEOKKEH_00054)
55 56 57 58 59 61 62 63 67
Colicin-M (KCEOKKEH_00071)
IMGPR_plasmid_2778261156_000001 42276:64805(+)
anti-RM (APIS037) (BBOBGGAG_00023)
BBOBGGAG_00021
BBOBGGAG_00022
BBOBGGAG_00020
IMGPR_plasmid_2681813260_000001 9763:15444(+)
OCAFOGLJ_00018
OCAFOGLJ_00019
IMGPR_plasmid_2526164662_000001 9052:14249(+)
KCFPEPBK_00001
IMGPR_plasmid_2778261225_000005 377:4949(-)
ArdA anti-RM (APIS003) (GJFHENNC_00021)
GJFHENNC_00020
IMGPR_plasmid_2541047934_000003 13949:19238(+)
anti-RM (APIS037) (BMBDCMEL_00002)
BMBDCMEL_00003
BMBDCMEL_00004
BMBDCMEL_00001
IMGPR_plasmid_3300028883_000002 18:6505(-)
GKKEANFD_00040
anti-RM (APIS037) (GKKEANFD_00042)
GKKEANFD_00041
IMGPR_plasmid_3300031370_000003 27762:33699(+)
anti-RM (APIS037) (BPOPKLFE_00046)
44
43 45 47 48
IMGPR_plasmid_2663763227_000001 28429:35781(+)
anti-RM (APIS037) (KNACLLNB_00003)
5 4 2 1
IMGPR_plasmid_2531839180_000003 27:7466(-)
Group II intron-encoded protein LtrA (NBAJIOHH_00001)
IMGPR_plasmid_2648501149_000001 1413:7480(-)
GJFEOIFE_00046
GJFEOIFE_00047
IMGPR_plasmid_3300029191_000003 31081:36312(+)
Plasmid-derived single-stranded DNA-binding protein (LAOLOKKF_00008)
Group II intron-encoded protein LtrA (LAOLOKKF_00007)
anti-RM (APIS037) (LAOLOKKF_00004)
14
6 5 3 2 1
IMGPR_plasmid_2619619135_000001 574:16220(-)
9000 nt
Defence
Virulence
Anti-defence