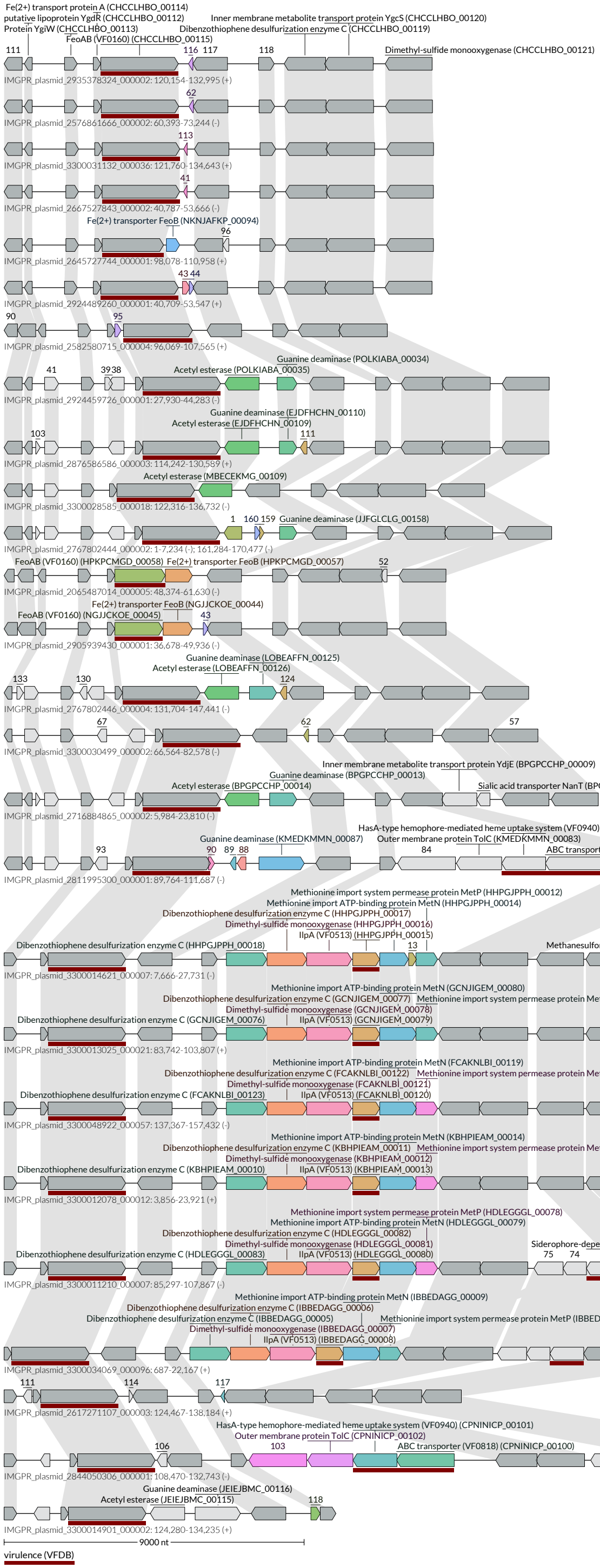
Fe(2+) transport protein A (CHCCLHBO_00114)
putative lipoprotein YgdR (CHCCLHBO_00112)
Protein YgiW (CHCCLHBO_00113)
FeoAB (VF0160) (CHCCLHBO_00115)
Inner membrane metabolite transport protein YgcS (CHCCLHBO_00120)
Dibenzothiophene desulfurization enzyme C (CHCCLHBO_00119)
Dimethyl-sulfide monooxygenase (CHCCLHBO_00121)
IMGPR_plasmid_2935378324_000002: 120,154-132,995 (+)
IMGPR_plasmid_2576861666_000002: 60,393-73,244 (-)
IMGPR_plasmid_3300031132_000036: 121,760-134,643 (+)
IMGPR_plasmid_2667527843_000002: 40,787-53,666 (-)
Fe(2+) transporter FeoB (NKNJAFKP_00094)
IMGPR_plasmid_2645727744_000001: 98,078-110,958 (+)
IMGPR_plasmid_2924489260_000001: 40,709-53,547 (+)
IMGPR_plasmid_2582580715_000004: 96,069-107,565 (+)
Guanine deaminase (POLKIABA_00034)
Acetyl esterase (POLKIABA_00035)
IMGPR_plasmid_2924459726_000001: 27,930-44,283 (-)
Guanine deaminase (EJDFHCHN_00110)
Acetyl esterase (EJDFHCHN_00109)
IMGPR_plasmid_2876586586_000003: 114,242-130,589 (+)
Acetyl esterase (MBECEKMG_00109)
IMGPR_plasmid_3300028585_000018: 122,316-136,732 (-)
Guanine deaminase (JJFGLCLG_00158)
IMGPR_plasmid_2767802444_000002: 1-7,234 (-); 161,284-170,477 (-)
FeoAB (VF0160) (HPKPCMGD_00058)
Fe(2+) transporter FeoB (HPKPCMGD_00057)
IMGPR_plasmid_2065487014_000005: 48,374-61,630 (-)
Fe(2+) transporter FeoB (NGJJCKOE_00044)
FeoAB (VF0160) (NGJJCKOE_00045)
IMGPR_plasmid_2905939430_000001: 36,678-49,936 (-)
Guanine deaminase (LOBEAFFN_00125)
Acetyl esterase (LOBEAFFN_00126)
IMGPR_plasmid_2767802446_000004: 131,704-147,441 (-)
IMGPR_plasmid_3300030499_000002: 66,564-82,578 (-)
Inner membrane metabolite transport protein YdjE (BPGPCCHP_00009)
Guanine deaminase (BPGPCCHP_00013)
Acetyl esterase (BPGPCCHP_00014)
Sialic acid transporter NanT (BPGPCCHP_00008)
IMGPR_plasmid_2716884865_000002: 5,984-23,810 (-)
HasA-type hemophore-mediated heme uptake system (VF0940) (KMEDKMMN_00082)
Guanine deaminase (KMEDKMMN_00087)
Outer membrane protein TolC (KMEDKMMN_00083)
ABC transporter (VF0818) (KMEDKMMN_00081)
IMGPR_plasmid_2811995300_000001: 89,764-111,687 (-)
Methionine import system permease protein MetP (HHPGJPPH_00012)
Methionine import ATP-binding protein MetN (HHPGJPPH_00014)
Dibenzothiophene desulfurization enzyme C (HHPGJPPH_00017)
Dimethyl-sulfide monooxygenase (HHPGJPPH_00016)
IlpA (VF0513) (HHPGJPPH_00015)
Dibenzothiophene desulfurization enzyme C (HHPGJPPH_00018)
Methanesulfonate monooxygenase (HHPGJPPH_00007)
IMGPR_plasmid_3300014621_000007: 7,666-27,731 (-)
Methionine import ATP-binding protein MetN (GCNJIGEM_00080)
Dibenzothiophene desulfurization enzyme C (GCNJIGEM_00077)
Methionine import system permease protein MetP (GCNJIGEM_00081)
Dimethyl-sulfide monooxygenase (GCNJIGEM_00078)
Dibenzothiophene desulfurization enzyme C (GCNJIGEM_00076)
IlpA (VF0513) (GCNJIGEM_00079)
IMGPR_plasmid_3300013025_000021: 83,742-103,807 (+)
Methionine import ATP-binding protein MetN (FCAKNLBI_00119)
Dibenzothiophene desulfurization enzyme C (FCAKNLBI_00122)
Methionine import system permease protein MetP (FCAKNLBI_00118)
Dimethyl-sulfide monooxygenase (FCAKNLBI_00121)
Dibenzothiophene desulfurization enzyme C (FCAKNLBI_00123)
IlpA (VF0513) (FCAKNLBI_00120)
IMGPR_plasmid_3300048922_000057: 137,367-157,432 (-)
Methionine import ATP-binding protein MetN (KBHPIEAM_00014)
Dibenzothiophene desulfurization enzyme C (KBHPIEAM_00011)
Methionine import system permease protein MetP (KBHPIEAM_00015)
Dimethyl-sulfide monooxygenase (KBHPIEAM_00012)
Dibenzothiophene desulfurization enzyme C (KBHPIEAM_00010)
IlpA (VF0513) (KBHPIEAM_00013)
IMGPR_plasmid_3300012078_000012: 3,856-23,921 (+)
Methionine import system permease protein MetP (HDLEGGGL_00078)
Methionine import ATP-binding protein MetN (HDLEGGGL_00079)
Dibenzothiophene desulfurization enzyme C (HDLEGGGL_00082)
Dimethyl-sulfide monooxygenase (HDLEGGGL_00081)
Dibenzothiophene desulfurization enzyme C (HDLEGGGL_00083)
IlpA (VF0513) (HDLEGGGL_00080)
Siderophore-dependent iron uptake system (VF0738) (HDLEGGGL_00073)
IMGPR_plasmid_3300011210_000007: 85,297-107,867 (-)
Methionine import ATP-binding protein MetN (IBBEDAGG_00009)
Dibenzothiophene desulfurization enzyme C (IBBEDAGG_00006)
Dibenzothiophene desulfurization enzyme C (IBBEDAGG_00005)
Methionine import system permease protein MetP (IBBEDAGG_00010)
Dimethyl-sulfide monooxygenase (IBBEDAGG_00007)
IlpA (VF0513) (IBBEDAGG_00008)
IMGPR_plasmid_3300034069_000096: 687-22,167 (+)
IMGPR_plasmid_2617271107_000003: 124,467-138,184 (+)
HasA-type hemophore-mediated heme uptake system (VF0940) (CPNINICP_00101)
Outer membrane protein TolC (CPNINICP_00102)
ABC transporter (VF0818) (CPNINICP_00100)
IMGPR_plasmid_2844050306_000001: 108,470-132,743 (-)
Guanine deaminase (JEIEJBMC_00116)
Acetyl esterase (JEIEJBMC_00115)
IMGPR_plasmid_3300014901_000002: 124,280-134,235 (+)
9000 nt
virulence (VFDB)