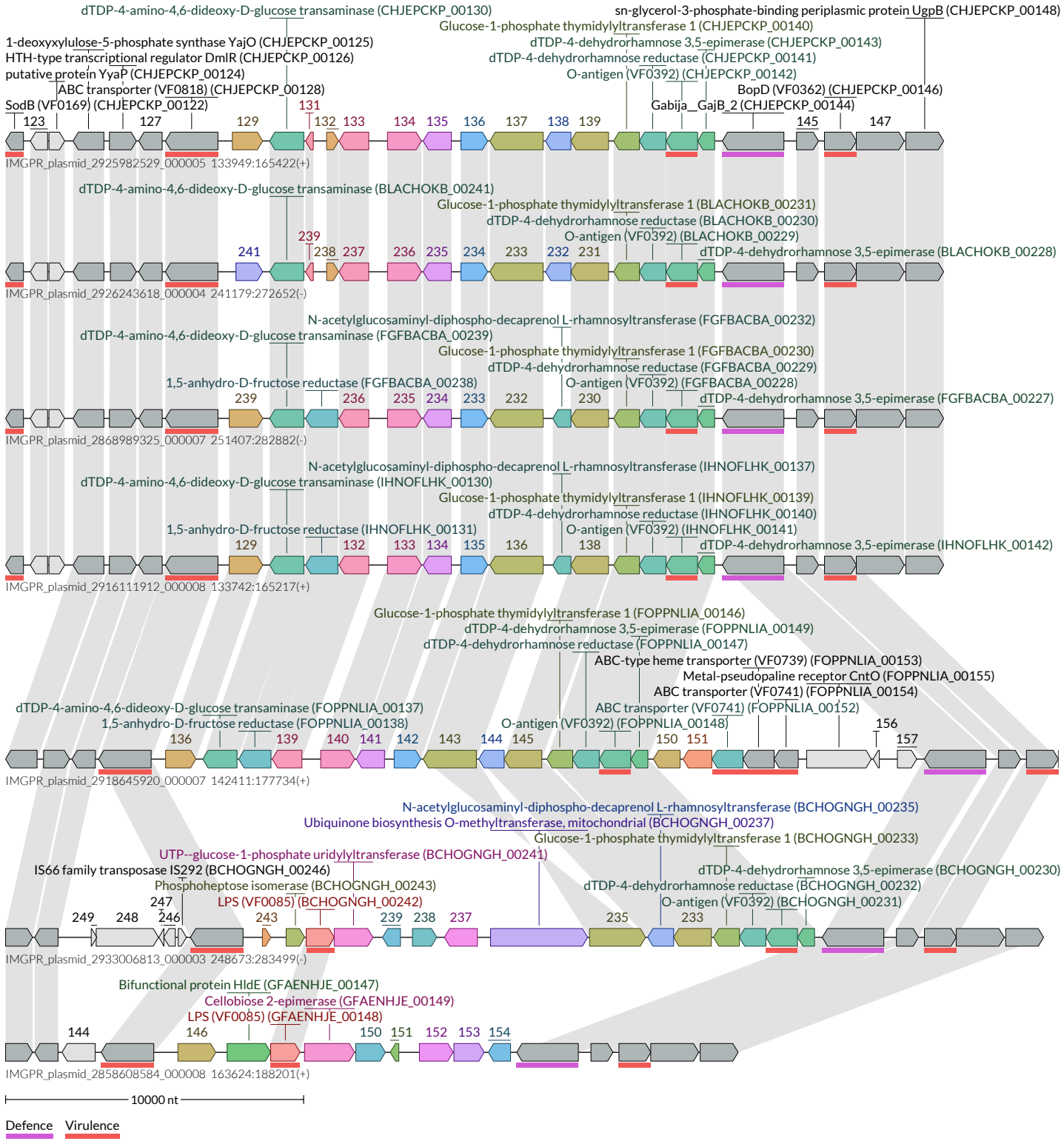
dTDP-4-amino-4,6-dideoxy-D-glucose transaminase (CHJEPCKP_00130)
sn-glycerol-3-phosphate-binding periplasmic protein UgpB (CHJEPCKP_00148)
Glucose-1-phosphate thymidylyltransferase 1 (CHJEPCKP_00140)
1-deoxyxylulose-5-phosphate synthase YajO (CHJEPCKP_00125)
dTDP-4-dehydrorhamnose 3,5-epimerase (CHJEPCKP_00143)
HTH-type transcriptional regulator DmlR (CHJEPCKP_00126)
dTDP-4-dehydrorhamnose reductase (CHJEPCKP_00141)
putative protein YyaP (CHJEPCKP_00124)
O-antigen (VF0392) (CHJEPCKP_00142)
ABC transporter (VF0818) (CHJEPCKP_00128)
BopD (VF0362) (CHJEPCKP_00146)
SodB (VF0169) (CHJEPCKP_00122)
Gabija__GajB_2 (CHJEPCKP_00144)
123 127 129 131 132 133 134 135 136 137 138 139 145 147
IMGPR_plasmid_2925982529_000005 133949:165422(+)
dTDP-4-amino-4,6-dideoxy-D-glucose transaminase (BLACHOKB_00241)
Glucose-1-phosphate thymidylyltransferase 1 (BLACHOKB_00231)
dTDP-4-dehydrorhamnose reductase (BLACHOKB_00230)
O-antigen (VF0392) (BLACHOKB_00229)
dTDP-4-dehydrorhamnose 3,5-epimerase (BLACHOKB_00228)
239 241 238 237 236 235 234 233 232 231
IMGPR_plasmid_2926243618_000004 241179:272652(-)
N-acetylglucosaminyl-diphospho-decaprenol L-rhamnosyltransferase (FGFBACBA_00232)
dTDP-4-amino-4,6-dideoxy-D-glucose transaminase (FGFBACBA_00239)
Glucose-1-phosphate thymidylyltransferase 1 (FGFBACBA_00230)
dTDP-4-dehydrorhamnose reductase (FGFBACBA_00229)
1,5-anhydro-D-fructose reductase (FGFBACBA_00238)
O-antigen (VF0392) (FGFBACBA_00228)
dTDP-4-dehydrorhamnose 3,5-epimerase (FGFBACBA_00227)
239 236 235 234 233 232 230
IMGPR_plasmid_2868989325_000007 251407:282882(-)
N-acetylglucosaminyl-diphospho-decaprenol L-rhamnosyltransferase (IHNOFLHK_00137)
dTDP-4-amino-4,6-dideoxy-D-glucose transaminase (IHNOFLHK_00130)
Glucose-1-phosphate thymidylyltransferase 1 (IHNOFLHK_00139)
dTDP-4-dehydrorhamnose reductase (IHNOFLHK_00140)
1,5-anhydro-D-fructose reductase (IHNOFLHK_00131)
O-antigen (VF0392) (IHNOFLHK_00141)
dTDP-4-dehydrorhamnose 3,5-epimerase (IHNOFLHK_00142)
129 132 133 134 135 136 138
IMGPR_plasmid_2916111912_000008 133742:165217(+)
Glucose-1-phosphate thymidylyltransferase 1 (FOPPNLIA_00146)
dTDP-4-dehydrorhamnose 3,5-epimerase (FOPPNLIA_00149)
dTDP-4-dehydrorhamnose reductase (FOPPNLIA_00147)
ABC-type heme transporter (VF0739) (FOPPNLIA_00153)
Metal-pseudopaline receptor CntO (FOPPNLIA_00155)
ABC transporter (VF0741) (FOPPNLIA_00154)
dTDP-4-amino-4,6-dideoxy-D-glucose transaminase (FOPPNLIA_00137)
ABC transporter (VF0741) (FOPPNLIA_00152)
1,5-anhydro-D-fructose reductase (FOPPNLIA_00138)
O-antigen (VF0392) (FOPPNLIA_00148)
136 139 140 141 142 143 144 145 150 151 156 157
IMGPR_plasmid_2918645920_000007 142411:177734(+)
N-acetylglucosaminyl-diphospho-decaprenol L-rhamnosyltransferase (BCHOGNGH_00235)
Ubiquinone biosynthesis O-methyltransferase, mitochondrial (BCHOGNGH_00237)
Glucose-1-phosphate thymidylyltransferase 1 (BCHOGNGH_00233)
UTP--glucose-1-phosphate uridylyltransferase (BCHOGNGH_00241)
IS66 family transposase IS292 (BCHOGNGH_00246)
dTDP-4-dehydrorhamnose 3,5-epimerase (BCHOGNGH_00230)
Phosphoheptose isomerase (BCHOGNGH_00243)
dTDP-4-dehydrorhamnose reductase (BCHOGNGH_00232)
LPS (VF0085) (BCHOGNGH_00242)
O-antigen (VF0392) (BCHOGNGH_00231)
247 249 248 246 243 239 238 237 235 233
IMGPR_plasmid_2933006813_000003 248673:283499(-)
Bifunctional protein HldE (GFAENHJE_00147)
Cellobiose 2-epimerase (GFAENHJE_00149)
LPS (VF0085) (GFAENHJE_00148)
144 146 150 151 152 153 154
IMGPR_plasmid_2858608584_000008 163624:188201(+)
10000 nt
Defence
Virulence