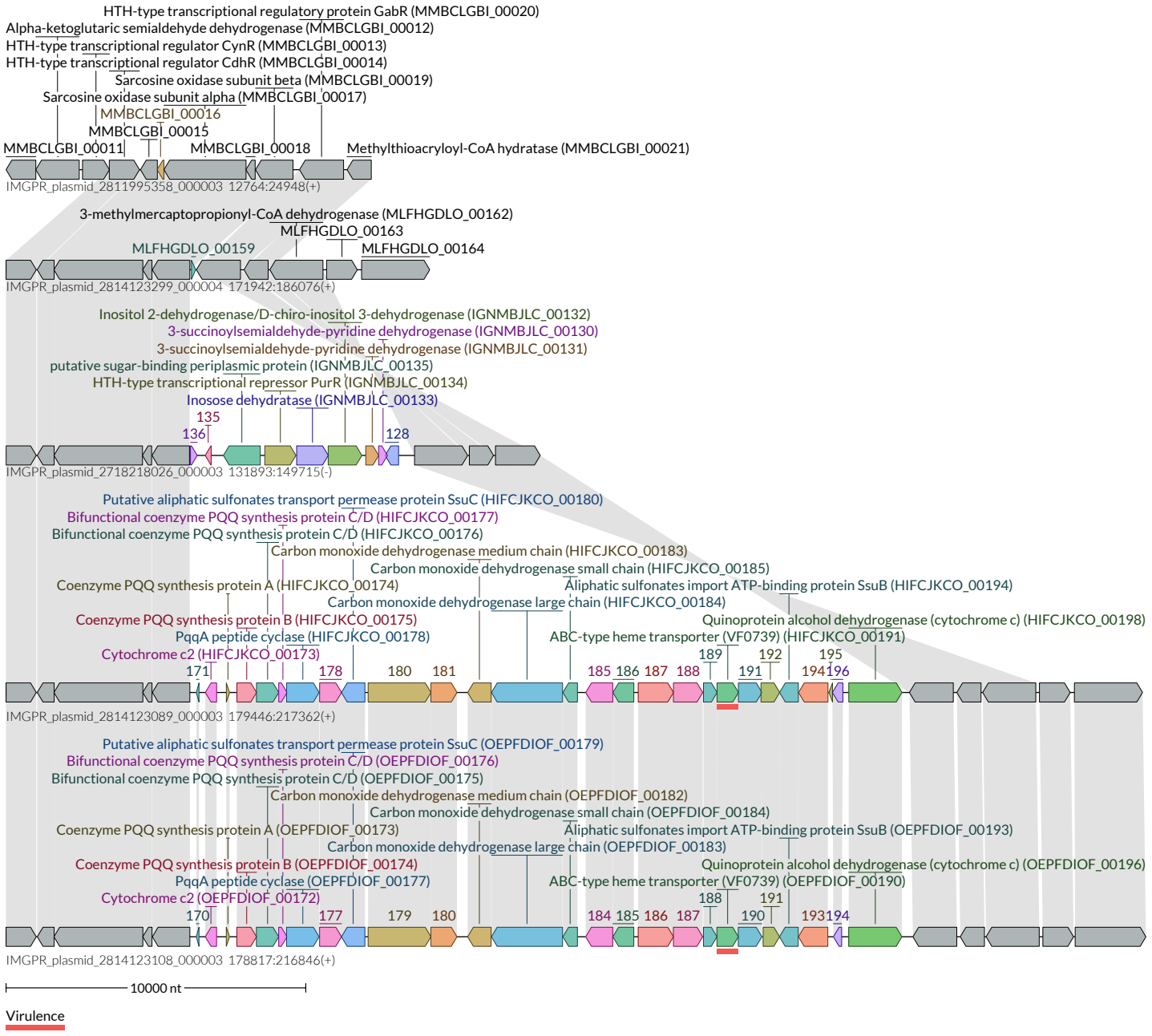
HTH-type transcriptional regulatory protein GabR (MMBCLGBI_00020)
Alpha-ketoglutaric semialdehyde dehydrogenase (MMBCLGBI_00012)
HTH-type transcriptional regulator CynR (MMBCLGBI_00013)
HTH-type transcriptional regulator CdhR (MMBCLGBI_00014)
Sarcosine oxidase subunit beta (MMBCLGBI_00019)
Sarcosine oxidase subunit alpha (MMBCLGBI_00017)
MMBCLGBI_00016
MMBCLGBI_00015
MMBCLGBI_00011
MMBCLGBI_00018
Methylthioacryloyl-CoA hydratase (MMBCLGBI_00021)
IMGPR_plasmid_2811995358_000003 12764:24948(+)
3-methylmercaptopropionyl-CoA dehydrogenase (MLFHGDLO_00162)
MLFHGDLO_00163
MLFHGDLO_00159
MLFHGDLO_00164
IMGPR_plasmid_2814123299_000004 171942:186076(+)
Inositol 2-dehydrogenase/D-chiro-inositol 3-dehydrogenase (IGNMBJLC_00132)
3-succinoylsemialdehyde-pyridine dehydrogenase (IGNMBJLC_00130)
3-succinoylsemialdehyde-pyridine dehydrogenase (IGNMBJLC_00131)
putative sugar-binding periplasmic protein (IGNMBJLC_00135)
HTH-type transcriptional repressor PurR (IGNMBJLC_00134)
Inosose dehydratase (IGNMBJLC_00133)
135
136
128
IMGPR_plasmid_2718218026_000003 131893:149715(-)
Putative aliphatic sulfonates transport permease protein SsuC (HIFCJKCO_00180)
Bifunctional coenzyme PQQ synthesis protein C/D (HIFCJKCO_00177)
Bifunctional coenzyme PQQ synthesis protein C/D (HIFCJKCO_00176)
Carbon monoxide dehydrogenase medium chain (HIFCJKCO_00183)
Carbon monoxide dehydrogenase small chain (HIFCJKCO_00185)
Coenzyme PQQ synthesis protein A (HIFCJKCO_00174)
Aliphatic sulfonates import ATP-binding protein SsuB (HIFCJKCO_00194)
Carbon monoxide dehydrogenase large chain (HIFCJKCO_00184)
Coenzyme PQQ synthesis protein B (HIFCJKCO_00175)
Quinoprotein alcohol dehydrogenase (cytochrome c) (HIFCJKCO_00198)
PqqA peptide cyclase (HIFCJKCO_00178)
ABC-type heme transporter (VF0739) (HIFCJKCO_00191)
Cytochrome c2 (HIFCJKCO_00173)
189
192
195
171
178
180
181
185
186
187
188
191
194
196
IMGPR_plasmid_2814123089_000003 179446:217362(+)
Putative aliphatic sulfonates transport permease protein SsuC (OEPFDIOF_00179)
Bifunctional coenzyme PQQ synthesis protein C/D (OEPFDIOF_00176)
Bifunctional coenzyme PQQ synthesis protein C/D (OEPFDIOF_00175)
Carbon monoxide dehydrogenase medium chain (OEPFDIOF_00182)
Carbon monoxide dehydrogenase small chain (OEPFDIOF_00184)
Coenzyme PQQ synthesis protein A (OEPFDIOF_00173)
Aliphatic sulfonates import ATP-binding protein SsuB (OEPFDIOF_00193)
Carbon monoxide dehydrogenase large chain (OEPFDIOF_00183)
Coenzyme PQQ synthesis protein B (OEPFDIOF_00174)
Quinoprotein alcohol dehydrogenase (cytochrome c) (OEPFDIOF_00196)
PqqA peptide cyclase (OEPFDIOF_00177)
ABC-type heme transporter (VF0739) (OEPFDIOF_00190)
Cytochrome c2 (OEPFDIOF_00172)
188
191
170
177
179
180
184
185
186
187
190
193
194
IMGPR_plasmid_2814123108_000003 178817:216846(+)
10000 nt
Virulence