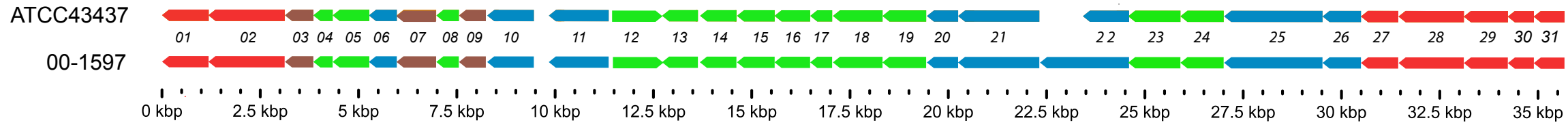


Figure S5



- | | |
|--|--|
| <p>01 <i>kpsS</i> capsular polysaccharide export protein
 02 <i>kpsC</i> capsular polysaccharide export protein
 03 inositol monophosphatase
 04 hypothetical protein
 05 D-3-phosphoglyceratedehydrogenase/2-hydroxyacid dehydrogenase
 06 acetylneuraminate cytidyltransferase
 07 oxidoreductase
 08 sugar isomerase
 09 metal-dependent hydrolase/cyclase
 10 hypothetical protein
 11 CMP-N acetylneuraminate-beta-galactosamide-alpha-2,3 sialyltransferase/hypothetical protein
 12 O-antigen synthesis protein WbyH/hypothetical protein
 13 WbcB/hypothetical protein
 14 NAD-dependent epimerase/dehydratase
 15 epimerase/hypothetical protein
 16 epimerase/hypothetical protein</p> | <p>17 dTDP-4-deoxyrhamnose 3,5-epimerase
 18 UDP-glucose dehydrogenase/UDP-glucose 6-dehydrogenase
 19 dTDP-glucose 4,6-dehydratase/epimerase
 20 glucose-1 phosphate cytidyltransferase
 21 CMP-N acetylneuraminate-beta-galactosamide-alpha-2,3sialyltransferase/hypothetical protein
 22 beta-1,3-galactosyltransferase/beta-1,4-galactosyltransferase/hypothetical protein
 23 glycosyltransferase family 2
 24 UDP-galactopyranose mutase
 25 beta-1,3-glucosyltransferase
 26 glycosyltransferase/capsular biosynthesis protein
 27 <i>kpsF</i> arabinose-5-phosphate isomerase
 28 <i>kpsD</i> capsular polysaccharide export system periplasmic protein/sugar ABCtransportersubstrate-binding protein
 29 <i>kpsE</i> capsular polysaccharide export system inner membrane protein/capsule biosynthesis protein
 30 <i>kpsT</i> capsule polysaccharide export ATP-binding protein/ATP transporter ATP-binding protein
 31 <i>kpsM</i> capsular polysaccharide ABC transporter/capsule biosynthesis protein</p> |
|--|--|

■ Capsular transport and assembly
 ■ Hypothetical genes/unknown function
 ■ Sugar biosynthesis
 ■ Transferases