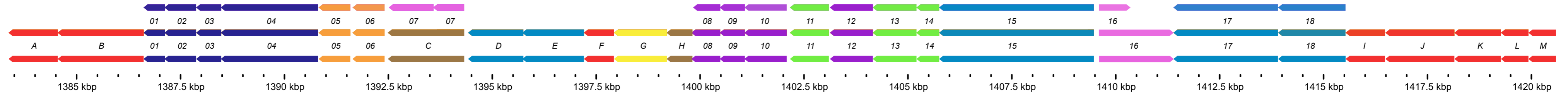


Figure S6

ATCC 43432

YH001

00-6200



A *kpsS* capsule polysaccharide transporter
 B *kpsC* capsule polysaccharide transporter
 01 adenylylsulfate kinase
 02 sugar nucleotidyltransferase
 03 amidotransferase/gamma-glutamyl-gamma-aminobutyrate hydrolase
 04 transferase/hypothetical protein
 05 methyltransferase
 06 methyltransferase
 07 MeOPN transferase

C hypothetical protein
 D alpha-2,3-sialyltransferase
 E glycosyltransferase family 2
 F capsular polysaccharide biosynthesis protein
 G uridine kinase
 H hypothetical protein
 08 sugar phosphate nucleotidyltransferase/D-glycero-D-manno-heptose 1-phosphate guanosyltransferase
 09 sedoheptulose 7-phosphate isomerase/phosphoheptose isomerase
 10 D-glycero-D-manno-heptose 1-phosphate kinase/dehydrogenase

11 sugar-nucleotide epimerase/dehydratase/ membrane protein
 12 GDP-mannose 4,6-dehydratase
 13 GDP-fucose synthetase/GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-reductase
 14 nucleotide sugar epimerase/dehydratase/ dTDP-4-dehydrorhamnose 3,5-epimerase
 15 sugar transferase
 16 MeOPN transferase/hypothetical protein
 17 sugar transferase/capsular polysaccharide biosynthesis protein
 18 glycosyltransferase/sugar transferase
 I *kpsF* arabinose-5-phosphate isomerase
 J *kpsD* sugar ABC transporter substrate-binding protein

K *kpsE*capsule polysaccharide transporter
 L *kpsT* ATP transporter ATP-binding protein
 M *kpsM* capsule polysaccharide transporter

