

Gene	Updated Gene Annotation	Description	Mutations	No. Observed mutations	
				NL	PL
0099	SYNWH7803_RS00480	hypothetical protein	¹ D237N (GAC→AAC)	0	1
intergenic			² intergenic (+21/-38)	2	0
0102	SYNWH7803_RS00485	<i>rfaA</i> ; glucose-1-phosphate thymidyltransferase	³ F135L (TTC→TTA); ⁴ P166P (CCC→CCI)	3	2
0103	SYNWH7803_RS00490	<i>rfaC</i> ; dTDP-4-dehydrorhamnose 3,5-epimerase	⁵ Q12H (CAA→CAI); ⁶ E34K (GAG→AAG); ⁷ A95A (GCC→GCI); ⁸ R104C (CGC→IGC)	0	4
0104	SYNWH7803_RS00495	<i>rfaD</i> ; dTDP-4-keto-L-rhamnose reductase	⁹ Δ1 bp; ¹⁰ G157G (GGC→GGI); ¹¹ A158S (GCG→ICG); ¹² N162I (AAC→AIC)	0	5
0105	SYNWH7803_RS00500	sugar transferase	¹³ W305* (TG→TGA); ¹⁴ V312I (GTC→ATC)	2	0
0140	SYNWH7803_RS00670	glycosyl transferase family protein	¹⁵ 2 bp→AC	0	1
0219	SYNWH7803_RS01065	homology to GtrA, YdjC-family	¹⁶ L340P (CIT→CCT); ¹⁷ H275N (CAC→AAC); ¹⁸ E102* (GAA→IAA); ¹⁹ Y13* (TAC→TAG)	4	0
0232	SYNWH7803_RS01130	hypothetical protein/glycosyltransferase type A	²⁰ P58T (CCG→ACG)	0	1
1386	SYNWH7803_RS06815	two-component system sensor histidine kinase	²¹ Δ1 bp; ²² G344* (GGA→IGA); ²³ S341I (AGT→ATT); ²⁴ Δ1 bp	5	1