

Gene	Description	Position	Mutation	Annotation	Strain					
					19N3S4	21N2S3	21N3S2	21P4S2	21P5S1	21P2S4
<i>SynWH7803_0099</i> ←	hypothetical protein	101,693	C→T	D237N (GAC→AAC)						X
<i>SynWH7803_0101</i> → / → <i>SynWH7803_0102</i>	hypothetical protein/glucose-1-phosphate thymidyltransferase	102,841	G→A	intergenic (+21/-38)	X					
<i>SynWH7803_0102</i> →	glucose-1-phosphate thymidyltransferase	103,283	C→A	F135L (TTC→TTA)		X	X			
		103,376	C→T	P166P (CCC→CCT)						X
<i>rtbC</i> →	dTDP-4-dehydrorhamnose 3,5-epimerase	103,845	A→T	Q12H (CAA→CAT)						X
		104,119	C→T	R104C (CGC→TGC)						X
		104,891	Δ1 bp	coding (468/888 nt)					X	
<i>rtbD</i> →	putative dTDP-4-dehydrorhamnose reductase	104,894	C→T	G157G (GGC→GGT)				X		X
		104,895	G→T	A158S (CGG→TCG)					X	
		104,908	A→T	N162I (AAC→ATC)						X
<i>SynWH7803_0140</i> ←	glycosyl transferase family protein	157,239	2 bp→AC	coding (118-119/981 nt)				X		
<i>xylB</i> →	xylulose kinase	185,296	Δ1 bp	coding (882/1506 nt)	X					
<i>SynWH7803_0219</i> ←	hypothetical protein	240,454	C→A	E102* (GAA→TAA)	X					
<i>SynWH7803_0232</i> →	hypothetical protein	256,217	C→A	P58T (CCG→ACG)				X		
<i>SynWH7803_0389</i> ← / → <i>SynWH7803_0390</i>	hypothetical protein/hypothetical protein	414,594	Δ1 bp	intergenic (-85/-116)					X	
<i>ggt</i> ←	gamma-glutamyltranspeptidase	821,170	G→A	R602W (CGG→TGG)				X		
<i>hupE</i> ←	hydrogenase accessory membrane protein	917,144	G→T	H41N (CAC→AAC)						
<i>SynWH7803_1018</i> →	hypothetical protein	934,026	C→G	L338V (CTC→GTC)		X				
<i>ftsH</i> →	cell division protein FtsH	1,019,857	C→A	P37T (CCG→ACG)					X	
<i>pstA</i> ←	phosphate ABC transporter permease	1,135,395	G→T	S5Y (TCT→TAT)		X				
<i>SynWH7803_1381</i> ←	cation efflux family protein	1,268,916	C→T	S44N (AGT→AAT)						X
		1,268,922	C→G	R42P (CGG→CCG)						X
		1,271,925	Δ1 bp	coding (1105/1161 nt)		X				
<i>SynWH7803_1386</i> ←	two-component system sensor histidine kinase	1,272,000	C→A	G344* (GGA→TGA)			X			
		1,272,008	C→A	S341I (AGT→ATT)			X			
		1,272,988	Δ1 bp	coding (42/1161 nt)				X		
<i>SynWH7803_1446</i> →	hypothetical protein	1,328,915	+T	coding (205/636 nt)				X		
<i>SynWH7803_1789</i> ←	hypothetical protein	1,640,030	G→T	P169T (CCG→ACG)						X
<i>SynWH7803_2230</i> ←	Na ⁺ /H ⁺ antiporter	2,050,905	G→A	L414F (CTT→TTT)			X			