

Additional File 2: Sequences used to generate the Position-Specific Score Matrix (PSSM)

Locus	Gene	Sequence
STM0368	<i>prpB</i>	TGGCATAGCCTTTGCTTT
STM0462	<i>glnK</i>	TGGCACATCCTTTGCAAT
STM0577		TGGCACGCCGTTTGCCAT
STM0649.S		TGGCACGCCTTTTGATTA
STM0665	<i>gltI</i>	TGGCACGTCTATTGCTTT
STM0830	<i>glnH</i>	TGGCATGATTTTTTCATT
STM1285	<i>yeaG</i>	TGGCATGAGAGTTGCTTT
STM1303	<i>argD</i>	TGGCACGAATGCTGCAAT
STM1690	<i>pspA</i>	TGGCACGCAAATTGTATT
STM2354*	<i>hisJ</i>	TGGCACGATAGTCGCATC
STM2355	<i>argT</i>	TGGCATAAGACCTGCATG
STM2360		TGGCATGCCTTTTGCTTT
STM_R0152	<i>glmY</i>	TGGCACAATTACTGCATA
STM2840		TGGCACACTAGCTGCAAT
STM2843	<i>hydN</i>	TGGCACGATTCGTGTATA
STM2853	<i>hycA</i>	TGGCATGGAAAATGCTTA
STM2854	<i>hypA</i>	TGGCATAAATATTGCTTT
STM3521		TGGCACGCTGGTTGCAAT
STM3568	<i>rpoH</i>	TGGCACGGTTGTTGCTCG
STM3772		TGGCACAACCTTTGCTCT
STM_R0167	<i>glmZ</i>	TGGCACGTTATGTGCAAT
STM4007	<i>glnA</i>	TGGCACAGATTTTCGCTTT
STM4172	<i>zraP</i>	TGGCACGGAAGATGCAAG
STM4173	<i>hydH</i>	TGGCATGATCTCTGCTTA
STM4244	<i>pspG</i>	TGGCATGATTTTTGTAAG
STM4285	<i>fdhF</i>	TGGCATAAAACATGCATA
STM4535		TGGCACGCCGCTTGCTCT

*Although this sequence has been predicted to be a σ^{54} -dependent promoter, there is evidence indicating that this is not an active promoter [2].