

**Table S1.**

Annotation <sup>a</sup>	ORF name	MW	pI	Functional sites <sup>b</sup>
<b>Periplasmic cytochromes c:</b>				
Cytochrome c'	KT71_16776	17827	6.11	monoheme c
Cytochrome c4 ( <i>cycA1</i> )	KT71_07744	24968	7.66	diheme c
Cytochrome c4 ( <i>cycA2</i> )	KT71_04580	22132	6.31	diheme c
Cytochrome c4 ( <i>cycA3</i> )	KT71_01590	22954	4.99	diheme c
Cytochrome c5 ( <i>cycB1</i> )	KT71_07009	14048	4.17	monoheme c
Cytochrome c5 ( <i>cycB2</i> )	KT71_04585	10269	5.63	monoheme c
<b>High-potential iron-sulfur proteins:</b>				
High-potential iron-sulfur protein ( <i>hpiA</i> )	KT71_06222	11252	8.39	TAT signal sequence [4Fe-4S] cluster
High-potential iron-sulfur protein ( <i>hpiB</i> )	KT71_07824	20933	4.51	[4Fe-4S] cluster
<b>Photosynthetic reaction center:</b>				
Reaction center cytochrome c subunit ( <i>pufC</i> )	KT71_19428	39321	5.80	signal peptide lipid attachment site tetraheme c
Reaction center protein M ( <i>pufM</i> )	KT71_19433	36511	6.65	
Reaction center protein L ( <i>pufL</i> )	KT71_19438	32695	5.79	
Reaction center protein H ( <i>puhA</i> )	KT71_19393	25345	4.84	
<b>Cytochrome c reductase:</b>				
Rieske Fe-S protein ( <i>petA</i> )	KT71_10307	21703	5.43	TAT signal sequence [2Fe-2S] cluster
Cytochrome bc <sub>1</sub> subunit ( <i>petBC</i> )	KT71_10312	75933	5.50	2 heme b monoheme c
<b>Terminal oxidases:</b>				
<b><i>cbb</i><sub>3</sub>-type 1</b>				
Subunit I ( <i>ccoN1</i> )	KT71_16991	53294	9.04	Cu <sub>B</sub> 2 heme b
Subunit II ( <i>ccoO1</i> )	KT71_16996	22665	6.31	monoheme c
Subunit III ( <i>ccоП1</i> )	KT71_17006	32268	5.25	diheme c
Subunit IV ( <i>ccоQ</i> )	KT71_17001	6572	4.42	
<b><i>cbb</i><sub>3</sub>-type 2</b>				
Subunit I ( <i>ccoN2</i> )	KT71_06177	60531	6.49	Cu <sub>B</sub> 2 heme b
Subunit II ( <i>ccoO2</i> )	KT71_06182	22203	4.64	monoheme c
Subunit III ( <i>ccоП2</i> )	KT71_06187	21261	5.22	monoheme c
<b><i>caa</i><sub>3</sub>-type</b>				
Subunit I ( <i>ctaD</i> )	KT71_04635	58204	6.25	Cu <sub>B</sub> 2 heme a
Subunit II ( <i>ctaC</i> )	KT71_04640	43217	4.69	Cu <sub>A</sub> monoheme c
Subunit III ( <i>ctaE</i> )	KT71_04625	36239	5.90	phospholipid binding site