

Table S5 Comparison of RNA and protein levels of the genes involved in photosynthe

GeneID		Protein 24h	Protein 48h	RNA 24h	RNA 48h	RNA 72h	suble-role
slr1839	ccmK	0.8306	0.8865	0.3420	0.6472	0.5403	Photosynthesis
sll1194	psbU	2.1186	5.4945	0.0950	0.1612	0.3143	Photosynthesis
slr2067	apcA	1.4535	2.4510	0.0342	0.0055	0.0046	Photosynthesis
sll0928	apcD	1.3477	1.3850	0.1444	0.2192	0.2957	Photosynthesis
slr1986	apcB	1.1806	1.7301	0.0447	0.0105	0.0082	Photosynthesis
sll1031	ccmM	0.9579	1.0235	2.4806	0.5428	0.5426	Photosynthesis
sll1030	ccmL	1.2107	1.4556	1.2878	0.2197	0.3002	Photosynthesis
sll1029	ccmK1	1.1792	1.0858	1.0450	0.2593	0.2217	Photosynthesis
sll1028	ccmK2	1.2674	1.2920	0.1535	0.0516	0.0553	Photosynthesis
slr1838	ccmK3	1.3755	1.3624	0.1627	0.2174	0.2603	Photosynthesis
slr0772	chlB	1.0001	1.2092	0.0813	0.0706	0.0621	Photosynthesis
slr1834	psaA	1.0299	1.0277	0.0490	0.0006	0.0008	Photosynthesis
slr1835	psaB	1.1211	1.0834	0.0258	0.0015	0.0016	Photosynthesis
slr0737	psaD	1.3928	1.6313	0.0219	0.0060	0.0069	Photosynthesis
sll0819	psaF	1.0449	1.3550	0.0195	0.0154	0.0234	Photosynthesis
ssr2831	psaE	1.0111	1.7730	0.1459	0.1981	0.3546	Photosynthesis
sll0629	psaK	1.7730	1.1806	0.6291	0.8811	1.2247	Photosynthesis
slr1655	psaL	1.0560	1.3263	0.0070	0.0036	0.0048	Photosynthesis
sll0851	psbC	0.9718	1.0081	0.0774	0.0057	0.0072	Photosynthesis
sll0849	psbD	1.4245	0.9268	0.2176	0.0088	0.0121	Photosynthesis
sll0427	psbO	1.4124	1.5015	0.0811	0.1234	0.3204	Photosynthesis
slr0906	psbB	1.1696	0.9940	0.0694	0.0206	0.0312	Photosynthesis
sll1398	psbW	1.4085	1.9194	0.1786	0.1809	0.2620	Photosynthesis
slr1311	psbA	1.1364	1.2019	0.0548	0.0134	0.0244	Photosynthesis
slr0335	apcE	0.8741	0.9461	0.0551	0.0063	0.0085	Photosynthesis

sll1580	cpcC1	4.5455	10.1010	0.0049	0.0038	0.0035	Photosynthesis
ssr3383	apcC	1.7331	1.5015	0.0705	0.0303	0.0321	Photosynthesis
slr1459	apcF	1.2723	1.9231	0.1515	0.1148	0.1266	Photosynthesis
slr2051	cpcG1	1.3831	1.7271	0.0252	0.0169	0.0236	Photosynthesis
sll1578	cpcA	2.8902	4.8077	0.0047	0.0004	0.0006	Photosynthesis
sll1577	cpcB	2.4631	3.7313	0.0026	0.0004	0.0003	Photosynthesis
slr1878	cpcE	1.0001	1.6181	1.2217	1.2150	1.1408	Photosynthesis
ssl0563	psaC	1.1211	1.7544	0.0218	0.0317	0.0504	Photosynthesis
slr0506	por	0.9166	0.8503	0.1920	0.1278	0.1324	Photosynthesis
slr0009	rbcL	1.3141	1.4045	0.0575	0.0091	0.0064	Photosynthesis
slr0012	rbcS	1.3831	1.6077	0.0258	0.0106	0.0043	Photosynthesis
		-0.1977	-0.1502				

sis components in cyanobacteria.

description
carbon dioxide concentrating mechanism protein ccmk homolog 4
12 kDa extrinsic protein of photosystem II
allophycocyanin alpha subunit
allophycocyanin B alpha subunit
allophycocyanin beta chain
carbon dioxide concentrating mechanism protein
carbon dioxide concentrating mechanism protein
carbon dioxide concentrating mechanism protein ccmk homolog 1
carbon dioxide concentrating mechanism protein ccmk homolog 2
carbon dioxide concentrating mechanism protein ccmk precursor
light-independent protochlorophyllide reductase subunit
photosystem I p700 chlorophyll a apoprotein a1
photosystem i p700 chlorophyll a apoprotein a2
photosystem i reaction centre subunit ii (photosystem i 16 kd polypeptide)
photosystem I reaction centre subunit III precursor
photosystem i reaction centre subunit iv (photosystem i 8.1 kd protein)
photosystem i reaction centre subunit x (psi-k)
photosystem I reaction centre subunit xi
photosystem ii 44 kd reaction center protein (p6 protein) (cp43)
photosystem II d2 protein
photosystem II manganese-stabilizing polypeptide precursor
photosystem II p680 chlorophyll a apoprotein
photosystem ii reaction centre w protein
photosystem q(b) protein
phycobilisome 100.5 kd core-membrane linker polypeptide (l-cm 100.5)

phycobilisome 32.1 kd linker polypeptide, phycocyanin-associated, rod 1
phycobilisome 7.8 kd linker polypeptide, allophycocyanin-associated, core
phycobilisome core component
phycobilisome rod-core linker polypeptide cpcg
phycocyanin alpha subunit
phycocyanin beta-subunit
phycocyanobilin lyase alpha subunit
product binds the terminal electron accepting Fe-S centers of photosystem I
protochlorophyllide oxido-reductase
ribulose biphosphate carboxylase large chain
ribulose-1,5,-biphosphate carboxylase oxygenase small subunit