

Table 1S. LC-MS/MS peptide determinations for polypeptides resolved on SDS-PAGE (Fig. 3)

PSI	Bands	photosynt hesis related protein	Score -log(P)	Significan t matched peptide	Locus tag	Other protein/Score - log(P) >200
WL-PSI	WL1	PsaA2	555	17	WP_080806841	
	WL2	PsaB2	560	21	WP_080806990	
	WL3	PsaB2	770	20	WP_080806990	S-layer protein/534
		PsaA2	470	17	WP_080805022	S-layer protein/292
	WL4	PsaD	478	17	WP_088429064	
		PsaF2	264	5	WP_080805471	
		PsaB2	234	4	WP_080806990	
		PsaL2	202	3	WP_080809877	
	WL5	PsaD	814	24	WP_080809877	
		PsaL2	603	20	WP_088429064	
	WL6	PsaE	977	29	WP_080809431	
		PsaD	514	17	WP_088429064	
		PsaC	422	11	WP_080807070	
		PsaF2	346	10	WP_080805471	
		PsaL2	336	8	WP_080809877	
	WL7	PsaC	530	20	WP_080807070	
		PsaB2	232	10	WP_080806990	
		PsaD	205	8	WP_088429064	
	WL8	PsaK	407	21	WP_080806998	glutamine synthetase/485 hypothetical protein/268
FR-PSI	FR1	PsaA1	896	24	WP_080806395	
	FR2	PsaB1	897	27	WP_080806397	
	FR3	PsaB1	711	24	WP_080806397	
		PsaA1	651	21	WP_080806395	
	FR4	PsaL1	604	24	WP_080806399	
	FR5	PsaD	536	18	WP_088429064	
		PsaF1	240	5	WP_080806402	
	FR6	PsaD	634	19	WP_088429064	
	FR7	PsaE	715	24	WP_080809431	
		PsaI2	358	5	WP_080806401	
		PsaD	333	6	WP_088429064	
		PsaC	264	5	WP_080807070	
	FR8	PsaC	461	21	WP_080807070	
	FR9	PsaK	413	16	WP_080806998	