

1JB0_L	1	-----AEELVKPYNGDPFVGHLS	TPISDSGLVKTFIGNLPAYRQGLSPILRGLE	EVGM	56
PsaL1	1	MTNTETSTWVDAYDQKDIIQPYRGNPELGNLATFPVNSSNLVKTYINNLPAYRPGLTPFLRGLEIGMAHGY			70
PsaL2	1	-----MTNQVVKPYLDEPELGHLS	TPISDSAFVRSFIGNLPAYRKGM	APITRGLEIGLAHGY	57
				* *	
1JB0_L	57	FLIGPWVKLGPLRD-SDVANLGGLISGIALILVATACLAAYGLVSFQK-----GGSSS---	DPLKTSEG		116
PsaL1	71	FLVGPEVVVGPLRETAHGANLSGLITAIYITVSACLGISIFALATFQGDPRGAYNSNSPDRLRPLRSKDG			140
PsaL2	58	FLVGPEIIVGALRDYAPAPYLGGLVTAIAIVLLGTTGMGAHGLVSLKP-----VAESSPKTDALMTSEG			121
1JB0_L	117	WSQFTAGFFVVGAMGSAFVAFFLLENFLVVDGIMTGLFN-----			154
PsaL1	141	WFQLSGGILLGSMGGAI FAYVLLNFGLDAILRGAVNVSQWLGGGVMG			189
PsaL2	122	WSEMTAGFFLGGMSGAFMAYFLLSHFSEIDAI FRGFVN-----			159

Fig. 2S. Sequence alignment for PsaL's detected from isolated PSI complexes of *H. hongdechloris*. PsaL (1JB0_L) from PSI crystal structure of *Synechococcus elongates* is used as a reference. The residues ligating chlorophyll *a*'s are highlighted by asterisk "*".