

Table1S. Primers used for overlap extension PCR.

Primer name	Primer sequence (5'-3')
RFR-PsbM-Rv	CGGCGGTGCAAAAGGCATCGAT
LFR-PsbM-Fw	CAGGGGGACGGGCCAACACAAACAC
RFR-PsbM-SpecR-fwd	GGA TCC CCG GGA ATT CCA TAG CCT AA
LFR-PsbM-SpecR-Rv	GCA GGG GAA TTG ATC CGG GAA AGC TA
SpecR-PsbM-fw	CCA AGG CTT AGC TTT CCC GGA TCA ATT
SpecR-PsbM-rv	CGA GGC AGT TTA GGC TAT GGA ATT CCC
RFR-PsbY-Rv	GGCCAGGCGATCAATCAGCGCATCGG
LFR-PsbY-Fw	GCGTTAACAACGGAAACCCCTACC
RFR-PsbY-KanR-Fw	GCTTTGTTGAATAAATCCATTGCTGTACCTCGTT TTG
LFR-PsbY-KanR-Rv	GCGCTATTCTGACCTTAGGCCACAACGTCTCGG CGATCGC
PsbY-KanR-Fw	CGAGACGTTGTGGCCTAAGGTCAGAATAGCGC TGAGGTCTGC
PsbY-KanR-Rv	CGAGGTACAGCAATGGATTTATTCAACAAAGCC ACG
PsbY-FW-N	GCCAGACCAACTTTTGAGCTG
PsbY-RV-N	GCCAAAGCCTCATCAATGGCA