

## Supplementary Materials

**Table S1.** Primers used in this study.

Name	Sequence (5' to 3')
TM <sub>APX</sub> _F <sup>a</sup>	AAAGTCGACGAGCTTTCGGATTCGATGAAAAAG
TM <sub>APX</sub> _R <sup>a</sup>	ATCGAGCTCTTAGAAACCAGAGAAATCGGAGTTG
transit-SBPase_F <sup>b,c</sup>	TGATACATATGGAGACCAGCATCGC
transit-SBPase_R <sup>b</sup>	CACCATTGCTCTTAGCTTTTG
pET_SBPase_R <sup>c</sup>	ATTGTCGACGTGATGATGGTGGTGGTCTCGAGAG

a: Primers used for TM<sub>APX</sub> fragment preparation. The underlined parts indicate the restriction enzyme recognition sites.

b: Primers used for the preparation of SBPase fragment fused with chloroplast transit signal peptides.

c: A primer used for the overlap extension PCR.