

1 Supplementary Table S1. Primers used in this study.

Primer Name	Sequence (5'-3')
ApcE_up-F	CGGGCCCCCCTCGAGGGGCATTTCCCACCCCGTTTCA
ApcE_up-R	ATGAATTGTTTTAGGACGTCTTGGATTTCATTATCTCCCATTAACA
ApcE_down-F	CTCATTITTAGCCATGACGTCGGTTGCGGTTGTTTAAAGCTTAGC
ApcE_down-R	GTGGATCCCCCGGGCTGCAGTGGGCATAATCCTCCAATTGGGCTAGC
kanamycin-F	ATAATGAAATCCAAGACGTCCTAAAACAATTCATCCAGTAA
kanamycin-R	AAACAACCGCAACCGACGTCATGGCTAAAATGAGAATATCACCG
ApcE gene-F	ATGAGTGTTAAGGCAAGTGG TGGC
ApcE gene-R	CTAACCGCCCACTTTTACTACTGGGGTA

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4 **Title:** Increased biomass production and glycogen accumulation in *apcE* gene deleted
5 *Synechocystis* sp. PCC 6803

6 **Journal name:** AMB express

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