



Supplemental Figure 1. UV-absorption spectra of methanolic and water extracts produced by the halotolerant cyanobacterium *Aphanothece halophytica*. (A) Methanolic phase. (B) Water phase. *A. halophytica* cells were grown in BG11+AT+0.5 M NaCl for 14 days before extraction.

Supplemental Table 1. Primers for isolation and expression of *Ap-MAA* gene

Primers	5' - 3'	Base pair
Ap3858bam	5' -GGATCCAAGTCTAGCTGTATCTCTAC-3'	26 mer
Ap3858His6bam	5' -GGATCCCTAGTGATGGTGGTGGTGGACTGTAGATAACAGTTC-3'	45 mer
Ap3857-55xho	5' -CTCGAGTAGTCTTTTCGGTTACGGG-3'	25 mer
Ap3857-55His6xho	5' -CTCGAGCTAGTGATGGTGGTGGTGGTGGCCCGCATTTCAGAACTC-3'	44 mer
PCR Ap3858 up	5' -GGATCCAATGACGAAAACAACCTCTGC-3'	27 mer
PCR Ap3858 low	5' -TGAGGATCGGTTTCCACAAG-3'	20 mer
PCR Ap3857 up	5' -GGATCCAATGACGATCACTAACGATAAAC-3'	29 mer
PCR Ap3857 low	5' -ATGCAGAATAGCCCGTAAAC-3'	20 mer
PCR Ap3856 up	5' -GGATCCAATGCTTCTATTTGTCCGAGG-3'	27 mer
PCR Ap3856 low	5' -ATAGTAACTAGAAAACGGGAC-3'	20 mer
PCR Ap3855 up	5' -GGATCCA ATGTCTTTATTACGAGTTTTAC-3'	29 mer
PCR Ap3855 low	5' -AAGCCTGTCTGTAACGCTGC-3'	20 mer
PCR AprnpB up	5' -TGAGGAAAGTCCGGGCTTCC-3'	20 mer
PCR AprnpB low	5' -GGACATAAGCCGGGTTCTGT-3'	20 mer
PCR AppsaD up	5' -GAGTGAATTACTTTCTGGAC-3'	20 mer
PCR AppsaD low	5' -TTCATAGGGGGTTTTTCCAG-3'	20 mer