

Supporting Information

Muñoz-Marín et al. 10.1073/pnas.1221775110

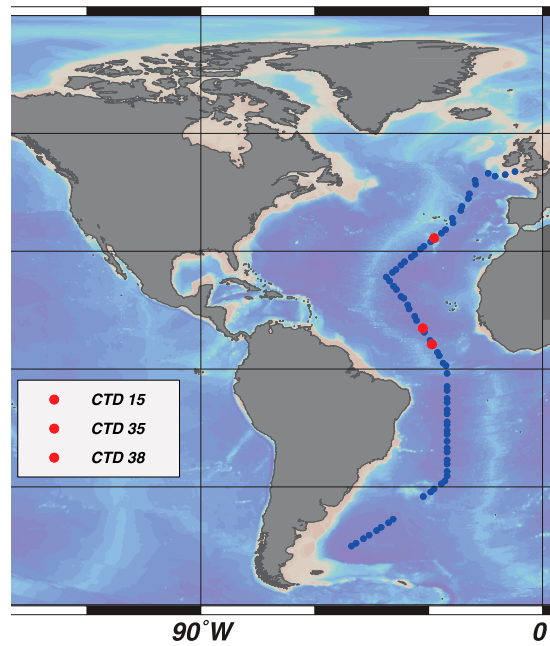
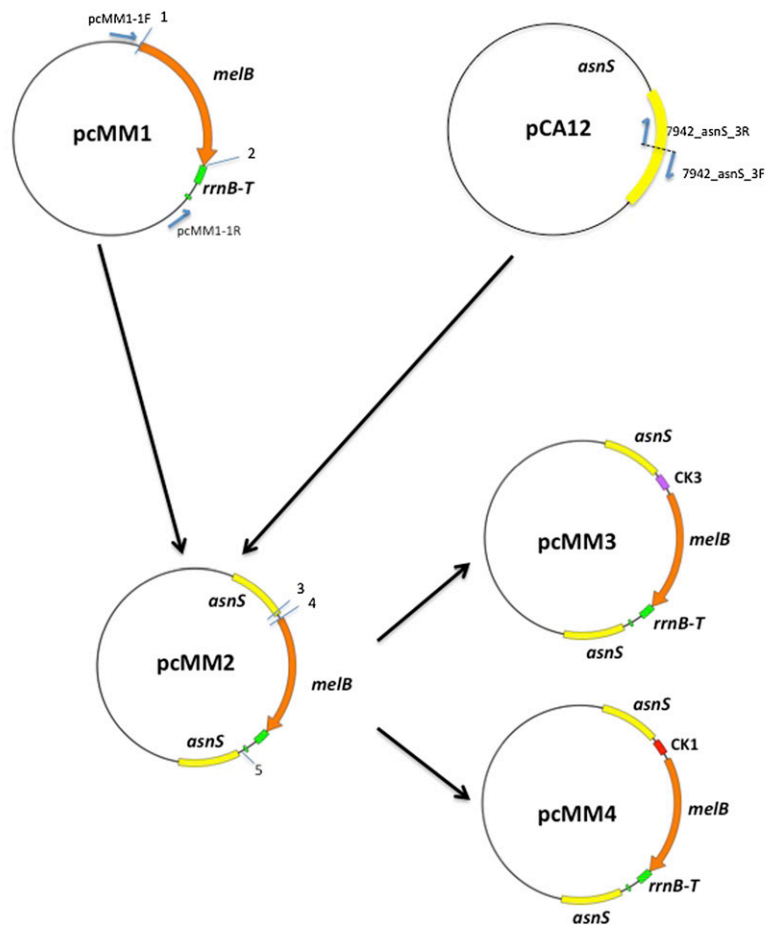


Fig. S1. Outline of the Atlantic Meridional Transect 21 cruise. Blue dots represent sampling points along the cruise. Red dots indicate sampling points where glucose uptake by *Prochlorococcus* was observed; the depth of the corresponding samples is shown in Table 1. Further information is available at the AMT-21 Cruise report (www.amt-uk.org/pdf/AMT21_Cruise_Report.pdf).



melB: putative melibiose/sodium symporter
rrnB-T: *rrnB* transcriptional terminator
asnS: asparaginyI-tRNA synthetase
 C.K1: Kanamycin-resistance cassette with a moderate promoter and no transcriptional terminator
 C.K3: Kanamycin-resistance cassette with a strong promoter and no transcriptional terminator

1: NcoI
 2: HindIII
 3: HpaI
 4: NdeI
 5: XhoI

pcMM1-1F:
 5'-(Phos)GTTAACAACAGCATATGCTTCTATGGATTAGGAG
 pcMM1-1R:
 5'-(Phos)CATTTCGAGGTTATTGTCTCATGAGCGG
 7942_ *asnS*_3F:
 5'-TTCGCGCTGAGAACTCCAATACC
 7942_ *asnS*_3R:
 5'-AAGTCGGGCCAAAGGTGTAGAGC

Fig. S2. Outline of the strategy used to construct the recombinant *Synechococcus elongatus* strains used in this work.