Supplementary material

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A simple method for isolation and construction of markerless cyanobacterial mutants defective in acyl-acyl carrier protein synthetase

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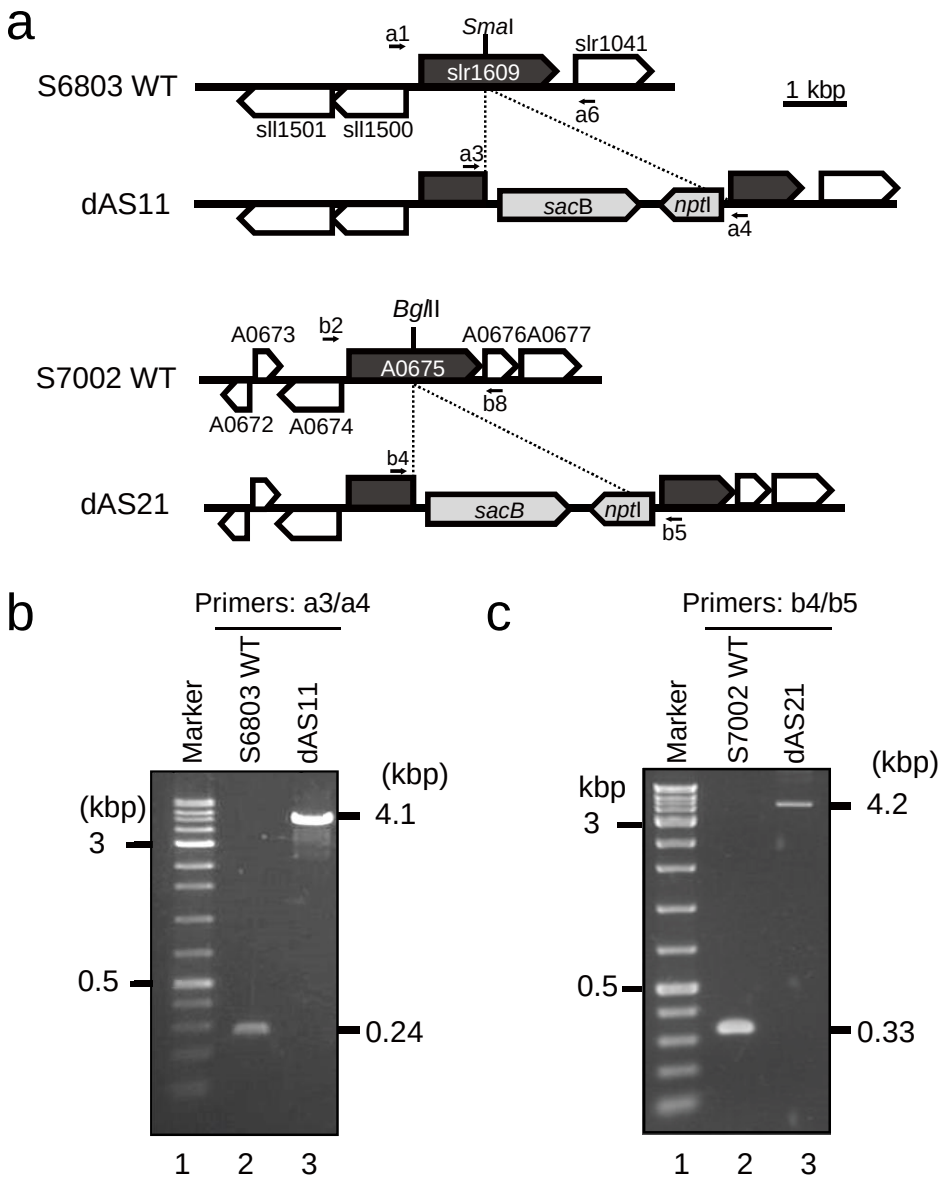

Figure S1. Construction of *aas* insertional mutants from *Synechocystis* sp. PCC 6803 and *Synechococcus* sp. PCC 7002. a Diagrams showing the maps of the *aas* loci of the wild-type and the mutant of the two cyanobacterial strains. The PCR primers used to screen for homozygous strains in the *aas* locus are also shown. The primer pair a3/a4 amplifies 0.24-kb and 4.1-kb DNA fragments from *Synechocystis* sp. PCC 6803 WT and the dAS11 mutant, respectively. The primer pair b4/b5 amplifies 0.33-kb and 4.2-kb fragments from *Synechococcus* sp. PCC 7002 WT and the dAS21 mutant, respectively. **b** and **c** DNA fragments amplified from the dAS11 and dAS21 mutants using the primer pairs a3/a4 and b4/b5, respectively. The PCR products were analyzed by electrophoresis on a 0.8% agarose gel.