Fig S1 A schematic diagram showing the combination of two fragments to generate an internal deletion within the upstream sequence of *ftsZ*. Enzymes used in double digestions depend on the orientation of cloned fragments. Plasmids were digested with one restriction enzyme, blunted with T4 DNA polymerase if not *SmaI*, and then digested with the second enzyme. Details for generation of each construct in Fig.1A are available on request.
Fig S2 A schematic diagram showing the structure of pHB2738, the plasmid used to insert C.K-P<sub>petE</sub> between <i>calA</i> and its indigenous promoter, and the double homologous recombination between the plasmid and the genomic DNA of <i>Anabaena</i> 7120. Arrowheads denoted with 1 to 4 are PCR primers A0946-1 to 4 (see Table 1).
Fig S3 Isolation of a protein that binds to *ftsZ* upstream regions. 1, soluble proteins of *Anabaena 7120*; 2, proteins enriched with heparin column chromatography; 3 and 4, a protein isolated by streptavidin-coated magnetic beads coupled with biotinylated DNA fragment B1 or B2. The arrow points to the isolated protein.