Table S4. Plasmids used in this study.

Plasmid	Marker	Properties	Source of Reference
pQEA8	Amp^R	*lacZ*-operon; N-terminal 6xHis tag; overexpression in *E. coli*	(Missbach *et al*, 2013)
pQEA8-6xHis-1861	Amp^R	Recombinant expression of 6xHis-SjcF1	This study
pQEA8-6xHis-1861ΔPG2	Amp^R	Recombinant expression of 6xHis-SjcF1 $_{\Delta PG2}$	This study
pQEA8-6xHis-1861PG2	Amp^R	Recombinant expression of 6xHis-SjcF1 $_{PG2}$	This study
pCSV3	Sp^R Sm^R	pRL500 with substituted Ap^R gene	(Valladares *et al*, 2011)
pCSEL21	Amp^R	pIC20R with gene-GFP insertion	(50)
pCSEL24	Amp^R Sp^R Sm^R	pBR322 containing *Anabaena sp.* 2 kb *nucA–nuiA* fragment and C.S3 cassette	(50)
pAFS-I-1861	Sp^R Sm^R	pCSV3 with fragment of all*1861*	This study
pAFS-PDGF-1861	Sp^R Sm^R	pCSEL24 with promoter of *all1861* fused to *gfp*	This study

Valladares A, Rodríguez V, Camargo S, Martínez-Noël GM, Herrero A, Luque I (2011) Specific role of the cyanobacterial PipX factor in the heterocysts of *Anabaena* sp. strain PCC 7120. *J Bacteriol* **193:** 1172-1182