

Table S1. PCR primers conditions for the genes amplified. All the reactions include a final extension of 10 min at 72°C.

Gene	Primer name	Primer sequence	Fragment size (pb)	Thermocycling conditions		Reference
				Initial denaturing step	Amplification cycles	
16S rRNA	<i>F27</i>	5' AGA GTT TGA TCM TGG CTC AG 3'	~1500	95°C 10 min	95°C 1 min 52°C 2 min 30 cycles 72°C 3 min	Wilmotte <i>et al.</i> , 1993
	<i>R1492</i>	5' TAC GGY TAC CTT GTT ACG ACT T 3'				

Wilmotte, A., Van der Auwera, G., De Wachter, R. 1993. Structure of the 16 S ribosomal RNA of the thermophilic cyanobacterium chlorogloeopsis HTF ('mastigocladus laminosus HTF') strain PCC7518, and phylogenetic analysis. FEBS letters 317(1-2):96-100.