



Figure S3. Electrophoresis gels showing the presence of *mpeW* in *Synechococcus* sp. M11.1. PCR amplification were performed using a GeneAmp PCR system 9700 (Applied Biosystems, Carlsbad, California) with an initial denaturation step of 5 min at 94 °C, followed by 35 cycles (30 s at 94 °C, 30 s at 50 °C and 1 min at 72 °C) and a final extension step of 10 min at 72 °C and using the following primers: *mpeZ*_2F, TGGCHGARMGWTTTGATGT; *mpeZ*_310R, GAYACNGAGGCYGTNATTA; *mpeW*_175F, KCYACYGGGGAYAGAGA and *mpeW*_960R, GAACRCCATARTCRGAKCCATG. DNA from strains A15-62 and BIOS-E4-1 were used as positive (*mpeW*-containing strain) and negative (*mpeZ*-containing strain) controls, respectively. M, DNA molecular weight marker (SmartLadder, Eurogentec).