

Supplementary Materials: Arsenite as an Electron Donor for Anoxygenic Photosynthesis: Description of Three Strains of *Ectothiorhodospira* from Mono Lake, California and Big Soda Lake, Nevada

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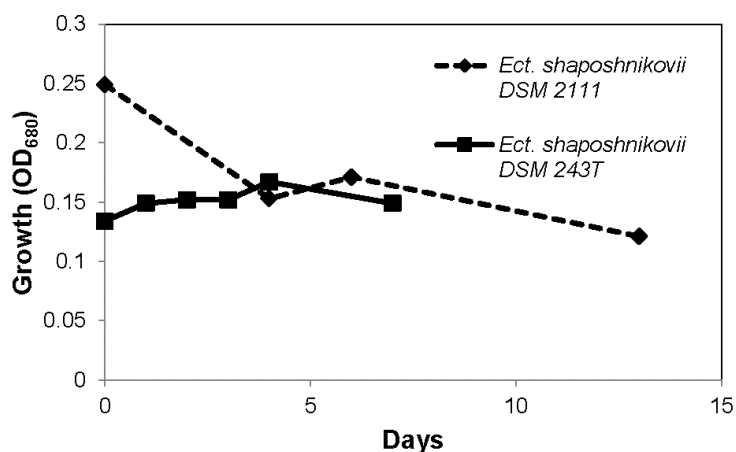


Figure S1. Growth data (OD₆₈₀, absorbance at 680 nm) of *Ect. shaposhnikovii* (DSM 2111) (and *Ect. shaposhnikovii* (DSM 243^T) when provided with 2 mM As(III) as the sole electron donor.

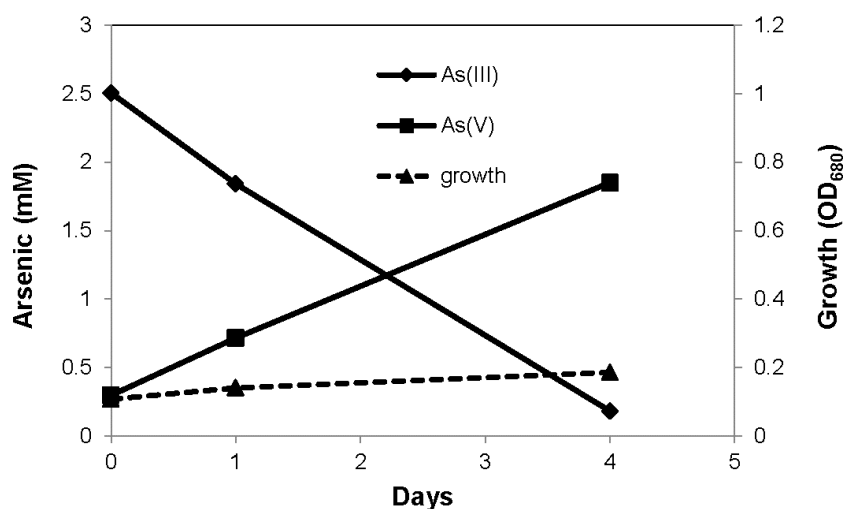


Figure S2. Anaerobic growth of *Halorhodospira halophila* grown phototrophically with As(III) as the sole electron donor.

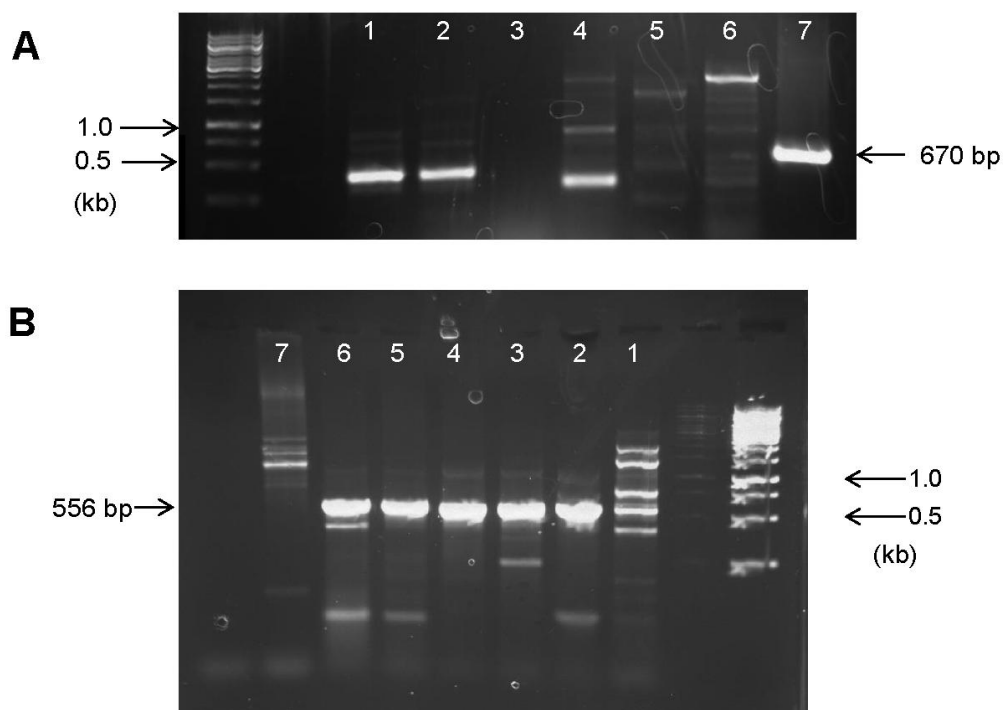


Figure S3. PCR analysis for (A) *aioA* (amplicon size = 670 bp) and (B) *arxA* (amplicon size 556 bp): (1) *Ect. shaposhnikovii* DSM 2111; (2) *Ect. shaposhnikovii* DSM 243^T; (3) *H. halophile*; (4) PHS-1; (5) MLW-1; (6) BSL-9; and (7) *Thermus thermophiles*.