

Effects of light and oxygen on chlorophyll *d* biosynthesis in a marine cyanobacterium *Acaryochloris marina*

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Supplemental information

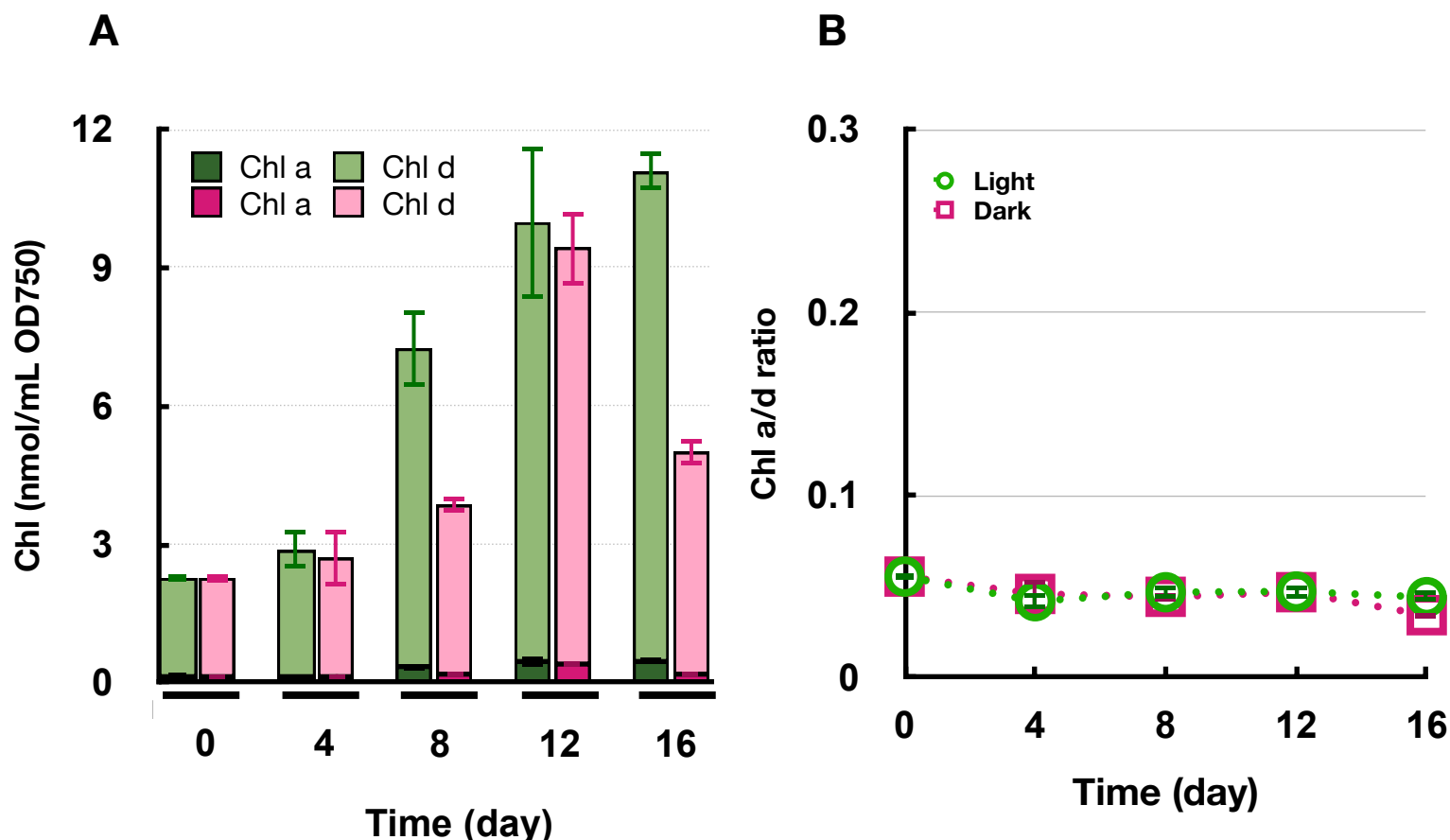


Figure S1. Chl *a/d* content in the dark-grown cultures of *A. sp. MBIC10699*

(A) The amounts of Chl *a* (dark green/dark pink) and Chl *d* (green/pink) were measured on days 0, 4, 8, 12, and 16 of *A. sp. MBIC10699* cells in photo-autotrophic (green) and dark-heterotrophic (pink) conditions, respectively. (B) The ratio of cellular Chl *a/d* amount in photo-autotrophic conditions (green circle) and dark-heterotrophic conditions (pink square).

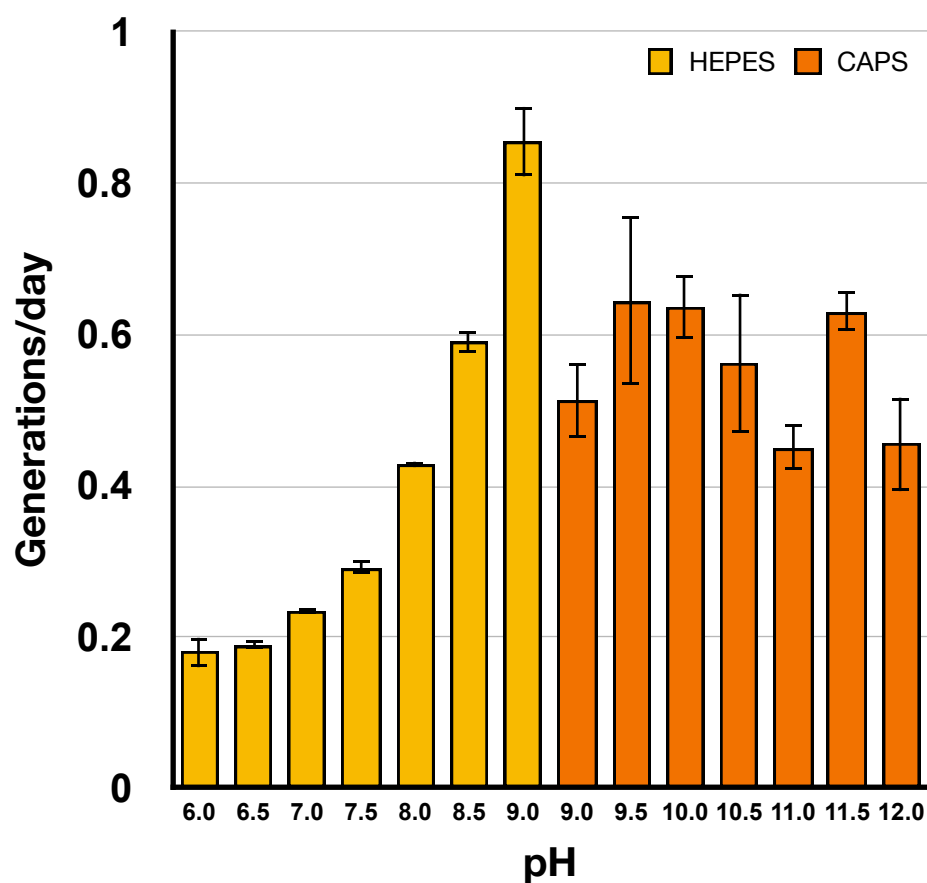


Figure S2. Comparison of growth in *A. marina* under various pH conditions

A. marina was cultured under various pH conditions, and the number of generations/day was calculated from the growth rate of the exponential phase. To adjust pH in IMK medium, HEPES (yellow) and CAPS (orange) buffer were used.