



**Figure S1:** Left-side top panel (A, B, C) – light microscope photographs of three *Synechococcus* sp. strains (scale bar = 10  $\mu$ m) along with the photographs of the cultures in 25-mL glass Erlenmeyer flasks; right-side top panel – scatter plots of orange fluorescence vs. red fluorescence analyzed using a BD Accuri™ C6 Plus flow cytometer and bottom panel (D) – PAR absorption spectra obtained for the mixture of phycobilin pigments for each *Synechococcus* sp. strain.