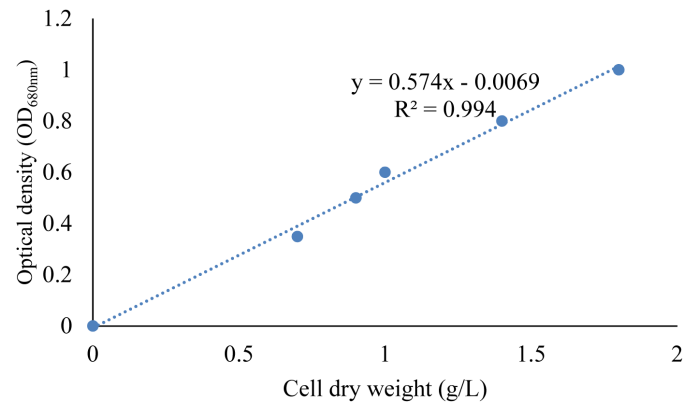
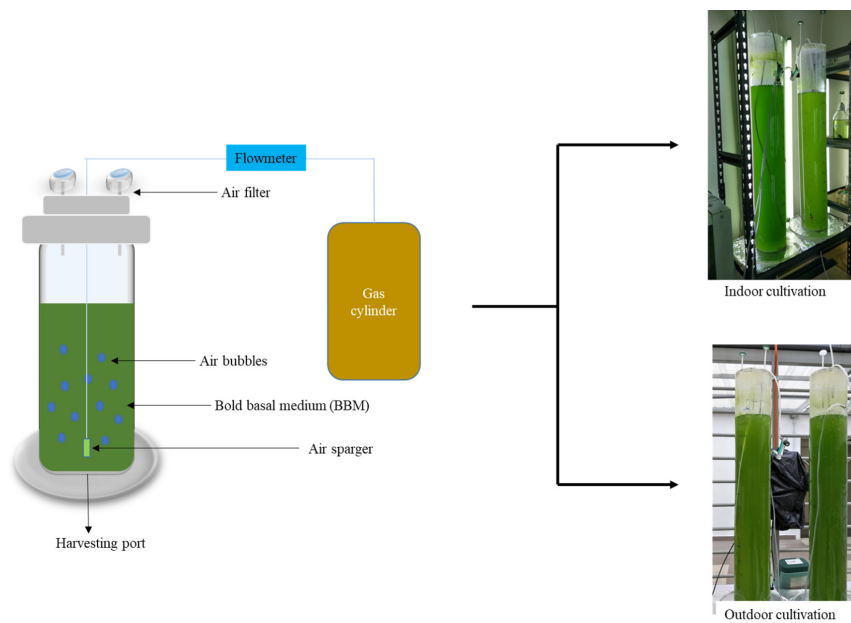


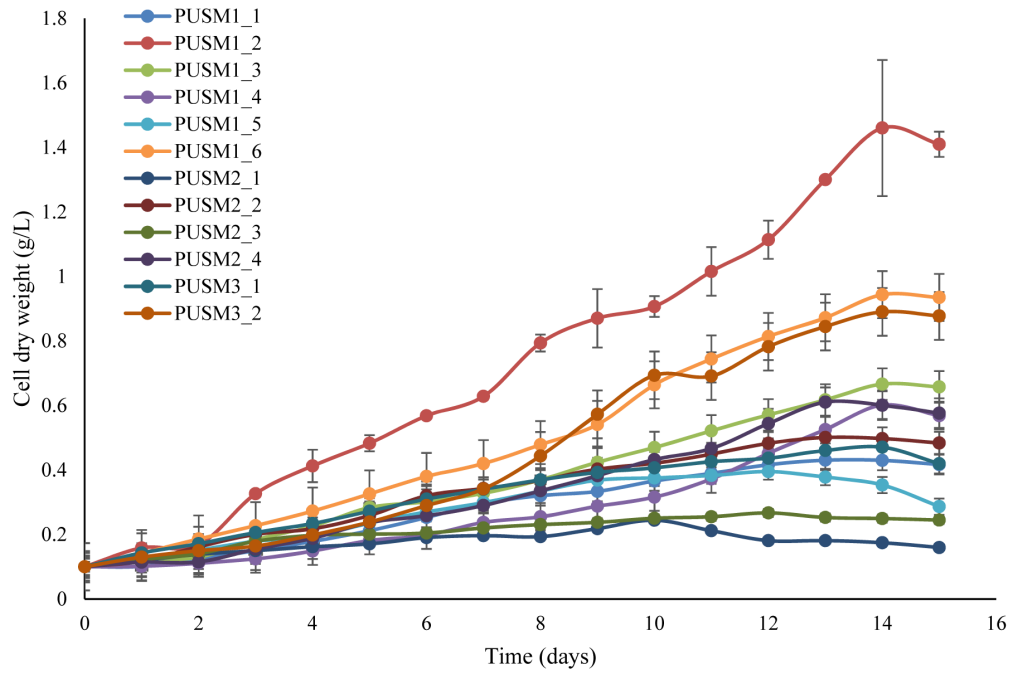
## Supplementary Figures



**Fig. S1** Relationship between *C.dispar* biomass concentration and optical density, where  $R^2$  = coefficient of determination



**Fig. S2** Schematic diagram of 20L photobioreactor supplied with 15% (volume per volume) CO<sub>2</sub> concentration



**Fig. S3** Cell dry weight of 12 axenic microalgal strains isolated from three ponds (PUSM1–PUSM3) over the cultivation period, where error bars indicate  $\pm$  SD