

Fig. S1: Cell densities for (A) *A. minutum* and (B) *A. pacificum* cultures. All results are averages of triplicate flasks. Errors bars represent standard deviations. The arrows represent the sampling times at the end of the exponential growth phase.

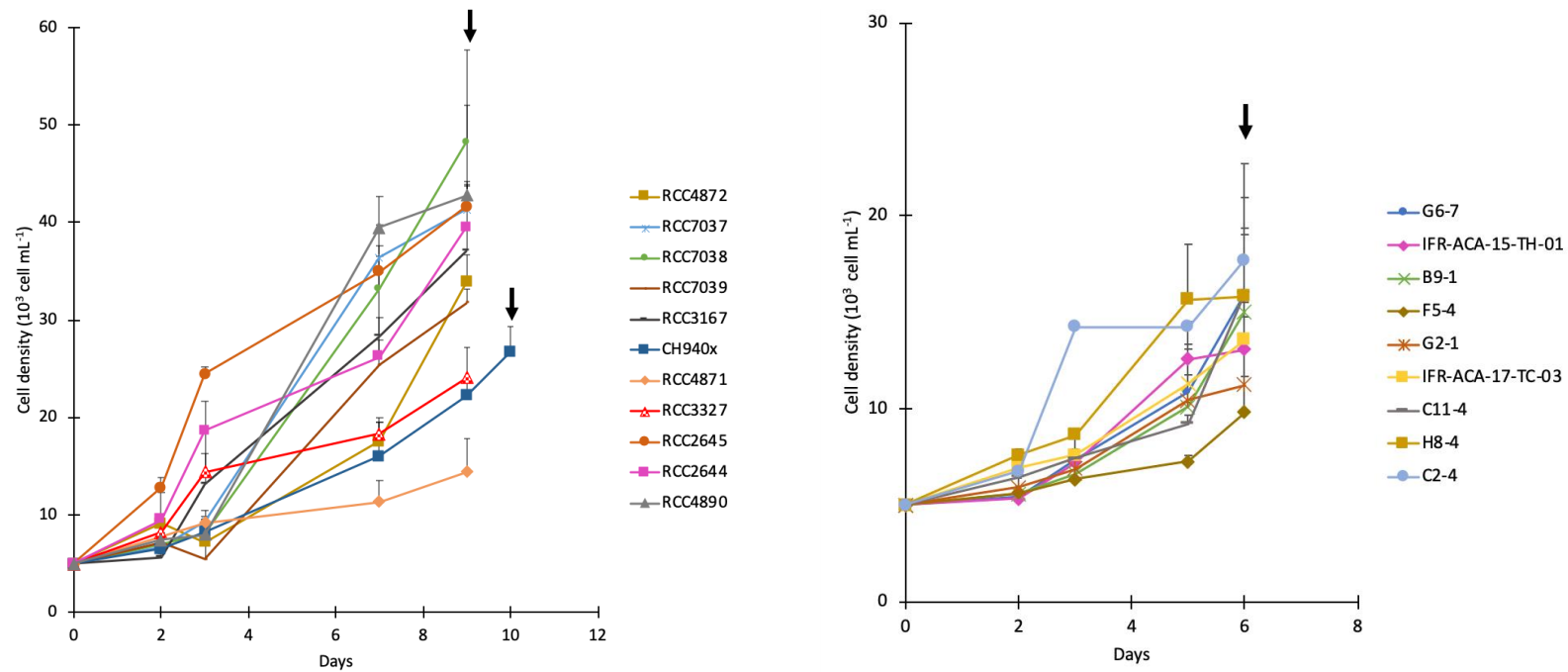


Fig. S2: Scatterplots of the relationship between genome size and *sxtA4* gene copy number (**A**) in *A. minutum* ($\rho = -0.43$, $S = 314$, $p = 0.19$) and (**B**) *A. pacificum* strains ($\rho = -0.57$, $S = 188$, $p = 0.12$).

