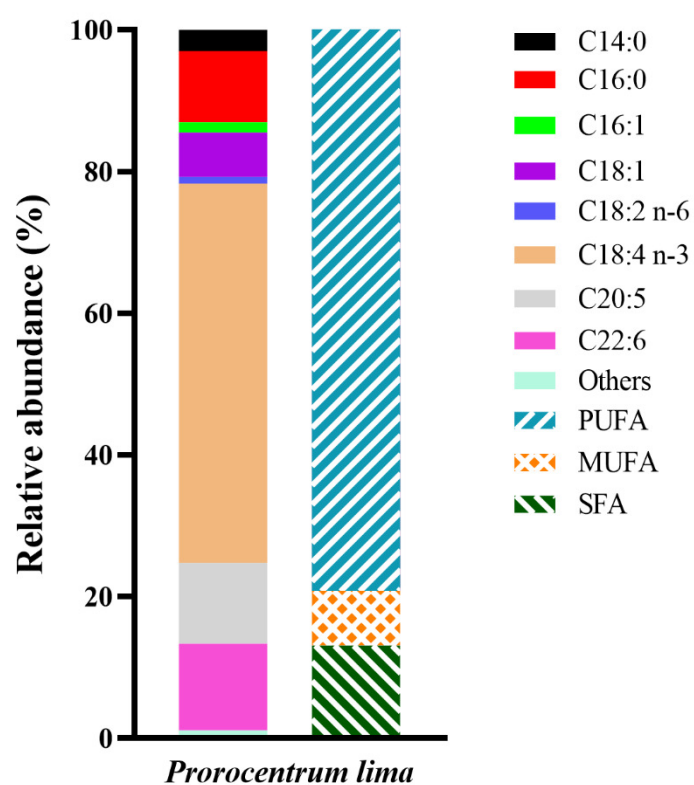




**Supplementary Figure S1** The morphology of *Perna viridis* in the experiment.



**Supplementary Figure S2** Relative abundance (%) of fatty acids in *Prorocentrum lima* strain CCMP 2579. SFA, MUFA and PUFA represent saturated fatty acids, monounsaturated fatty acids and polyunsaturated fatty acids, respectively.