

Table S1 Lipid productivity of *C. ellipsoidea* under autotrophic culture

conditions. The data represent means $\pm$ SD of three replicate experiments and was

analyzed by Student's *t* test (n=3). *, $P<0.05$.

	WT	CK	Dof4-1	Dof4-3
Lipid productivity (mg/L/d)	11.03 $\pm$ 0.13	10.90 $\pm$ 0.14	15.60 $\pm$ 0.23*	15.70 $\pm$ 0.27*