

Table S4. Fucoxanthin content (mg/g-DW), yield (mg/L), productivity (mg/L/d), nitrogen concentration (mg/L), and nitrogen-normalized yield (mg-Fx/mg-N) in representative diatom species

Species	Medium	Fx yield (mg/L)	Fx productivity (mg/L/d)	TN (mg/L)	Fx per N (mg-Fx/mg-N)	Reference
<i>O. aurita</i>	Modified F/2 medium	79.6	7.96	252	0.316	Xia et al. (2013)
<i>O. aurita</i>	Modified F/2 medium	27.1	2.71	84	0.323	Xia et al. (2013)
<i>P. tricornutum</i>	Modified F/2 medium	32.2	2.68	420	0.077	Yang et al. (2022)
<i>Nitzschia sp.</i>	Zarrouk medium	10.1	1.44	1,648	0.006	Cao et al. (2022)
<i>M. nummuloides</i>	F/2 medium	0.29	0.072	11.9	0.024	This study
<i>M. nummuloides</i>	MOM-FS	0.33	0.083	7.90	0.041	This study
<i>M. nummuloides</i>	MOM-MS	0.30	0.076	7.90	0.038	This study

References

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