

Table 3 Glucan content in crude diatom beta glucan extracted, *C. muelleri*, assayed with the Megazyme assay kit.

	T1	T2	T3
α -glucan (% w/w)	0.059 $\pm$ 0.003 ^c	0.054 $\pm$ 0.002 ^b	0.013 $\pm$ 0.002 ^a
β -glucan (% w/w)	2.92 $\pm$ 0.30 ^a	11.59 $\pm$ 0.18 ^b	79.45 $\pm$ 1.40 ^c
Total glucan (% w/w)	2.98 $\pm$ 0.30 ^a	11.64 $\pm$ 0.18 ^b	79.47 $\pm$ 1.40 ^c

The mean and standard deviation (SD) of three replicates is used to express data. When employing one-way ANOVA ($P < 0.05$), different letters represent the statistical comparisons between groups.

Row Data

α -glucan (%w/w)	T1	T2	T3
R1	0.056	0.056	0.011
R2	0.062	0.054	0.014
R3	0.059	0.052	0.014
mean (%w/w)	0.059	0.054	0.013
SD	0.003	0.002	0.002

β -glucan (%w/w)	T1	T2	T3
R1	3.10	11.69	78.39
R2	3.10	11.38	78.92
R3	2.58	11.69	81.04
mean (%w/w)	2.92	11.59	79.45
SD	0.30	0.18	1.40

Total-glucan (%w/w)	T1	T2	T3
R1	3.15	11.75	78.40
R2	3.16	11.43	78.94
R3	2.64	11.75	81.06
mean (%w/w)	2.98	11.64	79.47
SD	0.30	0.18	1.40