Supplementary material: Tables S1 and S2 with the p-values belonging to Table 1 and 2 in the original article

Table S1: p values belonging to Table 1. Kruskall-Wallis tests are depicted in italics.

	culture pCO_2 (µatm)	culture DIC (µmol kg^{-1})	culture A_T (µmol kg^{-1})	culture pH
$0.32\mu_{max}$ × $0.97\mu_{max}$	*>0.05*	0.065	0.927	0.319
$0.32\mu_{max}$ × P-replete	*>0.05*	<0.001	<0.001	0.003
$0.97\mu_{max}$ × P-replete	*>0.05*	<0.001	<0.001	0.018
370µatm × 750µatm	*<0.001*	<0.001	0.923	<0.001

Table S2: p values belonging to Table 2. Kruskall-Wallis tests are depicted in italics.

	$0.32\mu_{max} \times 0.97\mu_{max}$	$0.32\mu_{max}$ × P-replete	$0.97\mu_{max}$ × P-replete	370µatm × 750µatm
M. pusilla ($\times 10^5$ ml^{-1})	*0.302*	*	*	*<0.001*
FSC (r.u.)	<0.001	<0.001	<0.001	0.317
FL-4 (r.u.)	<0.001	0.495	<0.001	0.609
Fv/Fm (r.u.)	<0.001	<0.001	<0.001	0.437
Chl *a* (fg $cell^{-1}$)	*0.754*	*<0.001*	*<0.001*	*0.767*
Epoxidation state	*0.024*	*0.023*	*0.697*	*0.434*
Chl *a*:*b*	0.001	0.001	0.013	0.422
NPP (pmol C $cell^{-1}$ h^{-1})	0.008	<0.001	<0.001	0.660
APA (amol $cell^{-1}$ s^{-1})	<0.001	<0.001	<0.001	0.066
POC (fmol $cell^{-1}$)	0.003	0.214	<0.001	0.272
PON (fmol $cell^{-1}$)	0.150	0.003	<0.001	0.589
POP (fmol $cell^{-1}$)	*>0.05*	*<0.05*	*>0.05*	*>0.05*
C:N	0.304	<0.001	<0.001	0.002
C:P	<0.001	<0.001	<0.001	<0.001
N:P	*>0.05*	*<0.05*	*<0.05*	*0.123*