

Supplementary Table 5. The expected value of the mean effective quantum yields ($\Delta F/F_m'$) and the 95% high deinsity credible interval of the model in the salinity experiments for *Thorea okadae* from Kagoshima, Japan.

Date	Salinity	Mean $\Delta F/F_m'$	Lower 95% HDCI	Upper 95% HDCI
1-d	0	0.505	0.466	0.543
	2	0.478	0.440	0.516
	4	0.468	0.428	0.503
	6	0.294	0.250	0.341
	8	0.022	0.010	0.036
	10	0.000	0.000	0.001
3-d	0	0.481	0.445	0.514
	2	0.426	0.394	0.458
	4	0.248	0.221	0.274
	6	0.136	0.111	0.160
	8	0.032	0.012	0.053
	10	0.002	0.000	0.007
5-d	0	0.462	0.426	0.499
	2	0.362	0.329	0.398
	4	0.175	0.150	0.201
	6	0.085	0.064	0.105
	8	0.020	0.006	0.035
	10	0.002	0.000	0.005
7-d	0	0.441	0.411	0.472
	2	0.326	0.299	0.354
	4	0.181	0.158	0.204
	6	0.094	0.076	0.114
	8	0.022	0.007	0.038
	10	0.002	0.000	0.007