

Table S1. Measurement averages, standard deviations, standard errors and sample sizes

Species		s.d.	s.e.m.	N
Wake KE ( $\text{J m}^{-4}$ )				
Aeq	1.573	0.740	0.427	3
Leu	10.475	3.084	1.781	3
Mel	1.460	0.325	0.188	3
Mit	0.929	0.617	0.339	4
Neo	2.636	1.623	0.663	6
Phi	0.646	0.276	0.138	4
Sar	2.287	0.113	0.080	2
Proficiency ( $\text{s}^{-1}$ )				
Aeq	0.662	0.398	0.199	4
Leu	3.890	0.730	0.365	4
Mel	1.736	0.098	0.056	3
Mit	0.948	0.219	0.110	4
Neo	2.819	0.462	0.150	8
Phi	1.525	0.320	0.160	4
Sar	2.835	0.487	0.344	2
Efficiency (%)				
Aeq	29.205	8.856	5.113	3
Leu	8.933	0.867	0.500	3
Mel	9.337	4.498	2.597	3
Mit	53.169	17.843	8.000	4
Neo	13.694	6.958	3.112	5
Phi	40.296	7.596	3.798	4
Sar	18.450	1.443	1.020	2

s.d., standard deviation; s.e.m., standard error of the mean.

Aeq, *Aequorea*; Leu, *Leuckartiara*; Mel, *Melicertum*; Mit, *Mitrocoma*; Neo, *Neoturris*; Phi, *Phialidium*; Sar, *Sarsia*.