

Supplementary Table 2. The variance of separated-CO₂ (e.g. Mid) and combined-CO₂ (e.g. Low + Mid) growth rate-Fe' curves; where μ_m and K_m were modelled using a Michaelis-Menten equation (Michaelis & Menten, 1913).

	μ_m	S.E.	<i>t</i> -value	<i>p</i>	K_m	S.E.	<i>t</i> -value	<i>p</i>	RSS	df
Low Light										
LCO ₂	0.104	0.0053	19.56	< 0.0001	306.98	56.21	5.46	0.0055	0.0002	4
MCO ₂	0.136	0.0062	21.85	< 0.0001	116.36	29.31	3.97	0.0165	0.0002	4
HCO ₂	0.134	0.0120	11.23	0.0004	123.97	47.51	2.61	0.0594	0.0010	4
LCO ₂ + MCO ₂	0.115	0.0135	8.55	< 0.0001	156.19	87.14	1.79	0.1033	0.0056	10
LCO ₂ + HCO ₂	0.112	0.0133	8.44	< 0.0001	144.67	78.38	1.85	0.0947	0.0058	10
MCO ₂ + HCO ₂	0.134	0.0006	21.70	< 0.0001	117.49	26.45	4.44	0.0013	0.0013	10
LCO ₂ + MCO ₂ + HCO ₂	0.119	0.0100	11.90	< 0.0001	131.00	53.89	2.43	0.0272	0.0080	16
High Light										
LCO ₂	0.193	0.0211	9.16	0.0003	236.14	104.16	2.27	0.0727	0.0033	5
MCO ₂	0.337	0.0245	13.74	< 0.0001	205.80	71.16	2.89	0.0341	0.0045	5
HCO ₂	0.367	0.0161	22.71	< 0.0001	201.19	45.86	4.37	0.0071	0.0025	5
LCO ₂ + MCO ₂	0.270	0.0395	6.83	< 0.0001	241.81	148.01	1.63	0.1283	0.0538	12
LCO ₂ + HCO ₂	0.295	0.0434	6.78	< 0.0001	290.68	171.03	1.70	0.1150	0.0712	12
MCO ₂ + HCO ₂	0.354	0.0148	23.84	0.0001	209.68	42.96	4.88	0.0004	0.0090	12
LCO ₂ + MCO ₂ + HCO ₂	0.309	0.0314	9.82	< 0.0001	256.72	110.58	2.32	0.0315	0.0865	19

An *F*-statistic was calculated as the (RSS/df) of a separate fit, divided by the (RSS/df) of the difference between the separate and combined fit; this was then compared against an *F*-value from an *F*-distribution table using a .05 alpha level.