Table 1S. Relationship between the net CO_2 assimilation rate (A_N), stomatal conductance (g_s), respiration rate (R_D), mesophyll conductance (g_m) and chloroplastic [CO_2] (Cc) under ambient [CO_2], maximum velocity for carboxylation of Rubisco (V_{cmax}), electronic transport rate (ETR), intrinsic water-use efficiency (WUE_i), g_m/g_s ratio (g_m/g_s), leaf $\delta\ ^{13}C$ composition (Leaf $\delta\ ^{13}C$), leaf mass area (LMA) and leaf thickness (LT). Values above the diagonal correspond to the correlation coefficients (R), whereas those below the diagonal are the corresponding significance values (P-values). Significance levels: *P<0.05, **P<0.01, ***P<0.001.

	A_N	R_D	g_s	g_m	g_{total}	C_c	V_{cmax}	ETR	WUE_i	g_m/g_s	Leaf $\delta^{13}C$	LMA	LT	LD
A_N		0.12	0.71	0.69	0.89	0.60	0.08	0.69	-0.22	0.17	-0.12	0.14	0.01	0.06
R_D	0.199		0.02	0.24	0.15	0.15	0.00	0.10	0.04	0.22	0.10	0.22	0.10	0.05
g_s	0.000***	0.837		0.26	0.76	0.60	-0.20	0.32	-0.82	-0.41	-0.13	-0.01	-0.13	0.08
g_m	0.000***	0.007**	0.003**		0.81	0.74	-0.22	0.21	0.14	0.75	-0.09	0.15	-0.01	0.10
g_{total}	0.000***	0.099	0.000***	0.000***		0.85	-0.24	0.36	-0.39	0.23	-0.13	0.12	-0.08	0.13
C_c	0.000***	0.090	0.000***	0.000***	0.000***		-0.65	-0.15	-0.40	0.27	-0.12	-0.01	-0.19	0.15
V_{cmax}	0.369	0.962	0.021*	0.013*	0.008**	0.000***		0.69	0.37	-0.09	0.08	0.20	0.22	-0.06
ETR	0.000***	0.266	0.003**	0.022*	0.000***	0.085	0.000***		0.11	-0.03	-0.03	0.20	0.19	-0.05
WUE_i	0.010*	0.653	0.000***	0.132	0.000***	0.000***	0.000***	0.235		0.72	0.10	0.13	0.21	-0.08
g_m/g_s	0.138	0.013*	0.000***	0.000***	0.011*	0.002**	0.307	0.714	0.000***		0.01	0.14	0.09	0.03
Leaf $\delta\ ^{13}C$	0.162	0.258	0.138	0.346	0.140	0.175	0.389	0.730	0.249	0.915		0.34	0.04	0.14
LMA	0.138	0.013*	0.931	0.095	0.205	0.940	0.030*	0.027*	0.158	0.140	0.000***		0.36	0.36
LT	0.984	0.266	0.141	0.937	0.389	0.030*	0.015*	0.032*	0.017*	0.330	0.666	0.000***		-0.73
LD	0.460	0.575	0.394	0.267	0.173	0.092	0.492	0.580	0.367	0.787	0.120	0.000***	0.000***	