

Table S2. Allocation coefficient of leaf N to carboxylase reactions (F_r : g N in Rubisco (g total leaf N)⁻¹) and to bioenergetic pools (F_b ; g N in cytochrome f, ferredoxin NADP reductase, and coupling factor (g total leaf N)⁻¹) in *Alnus hirsuta*. Mean values (standard error) for each treatment are shown ($n = 6$). Results of ANOVA (F -value) for CO₂ treatments (ambient: ambient CO₂; elevated: elevated CO₂) and N treatments (high N, low N) are shown. * $p < 0.05$. This supplementary information is a new analysis of data from the experiment of Tobita et al. (2005) and Tobita et al. (2011).

Characteristics	High N		Low N		Source of variance		
	Ambient	Elevated	Ambient	Elevated	CO ₂	N	CO ₂ x N
F_r	0.38 (0.015)	0.36 (0.010)	0.37 (0.018)	0.33 (0.017)	5.5*	3.1	0.20
F_b	0.051 (0.003)	0.052 (0.003)	0.049 (0.002)	0.050 (0.003)	0.33	0.27	0.04