

Additional file 15. Net photosynthesis at optimal thallus water content and optimal temperature for genetic group A (pop. 6, high altitude) and B (populations 1 to 5, low altitude).

	Population	90% of maximal net photosynthesis	at [$\mu\text{mol photons/m} \cdot \text{s}$]	maximal net photosynthesis	at [$\mu\text{mol photons/m} \cdot \text{s}$]
thallus dry weight	A (high)	6.36 nmol CO ₂ /g · s	580	7.07	1000
	B (low)	7.56 nmol CO ₂ /g · s	740	8.4	1000
thallus surface area	A (high)	5.41 $\mu\text{mol CO}_2/\text{m} \cdot \text{s}$	717	5.71	1000
	B (low)	1.8 $\mu\text{mol CO}_2/\text{m} \cdot \text{s}$	727	2.0	1000
chlorophyll <i>a+b</i>	A (high)	10.76 nmol CO ₂ /mg Chl · s	500	11.95	1000
	B (low)	32.79 nmol CO ₂ /mg Chl · s	780	36.43	1000