Plant Biosystems

The effect of extreme dehydration on photosynthetic activity of *Sphagnum denticulatum* cultivated genotypes from different habitats

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Table S1. Collection information for samples of *S. denticulatum* included in chlorophyll fluorescence analyses and pigment contents; 1–2 Aq—aquatic genotypes, 3–5 T—terrestrial genotypes.

No.	Ecological group (for immersed samples depth in meters)	Locality
1 Aq	aquatic (3–4)	E:17°34'54.65" N:54°15'49.07"
2 Aq	aquatic (1–2)	E:16°12'35.28" N:53°31'03.57"
3 T	terrestrial, periodically immersed (0.5)	E:17°16'42.00" N:53°52'27.00"
4 T	terrestrial	E:17°16'42.00" N:53°52'27.00"
5 T	terrestrial	E:17°21'57.84" N:53°46'41.53"

Table S2. Differences between ecotypes and among genotypes of *S. denticulatum* based on Mann–Whitney U-test, Kruskal–Wallis test, one-way ANOVA, and *t*-test depending on the data set; *** for $p < 0.001$, ** for $p < 0.01$, and * $p < 0.05$.

Ecotypes	**control**	**D72**	**D96**	**R7$_{D72}$**	**R7$_{D96}$**	**R30$_{D72}$**	**R30$_{D96}$**
F_0	*	*ns*	***	*ns*	*ns*	*ns*	*ns*
F_m	**	*ns*	***	*ns*	*ns*	*ns*	*ns*
F_v/F_m	*ns*	*ns*	***	*ns*	*ns*	*ns*	*
Φ_{PSII}	**	*ns*	***	*ns*	*ns*	*ns*	*ns*
NPQ	*ns*	*ns*	*	*ns*	*ns*	*ns*	*ns*
1-*q*P	*ns*	*ns*	***	*	*ns*		*ns*
Chl *a*	*ns*	–	*ns*	–	*ns*	–	*ns*
Chl *b*	*ns*	–	*	–	*ns*	–	*ns*
Car	*ns*	–	*ns*	–	*ns*	–	**
Chl *a*/*b*	*	–	*ns*	–	*	–	*ns*
Chl *a*+*b*	*ns*	–	*ns*	–	*ns*	–	*ns*
Chl *a*+*b* / Car	*ns*	–	*ns*	–	*ns*	–	*ns*
Genotypes	**control**	**D72**	**D96**	**R7$_{D72}$**	**R7$_{D96}$**	**R30$_{D72}$**	**R30$_{D96}$**
F_0	***	*ns*	***	*ns*	*ns*	*ns*	**
F_m	***	*ns*	***	*ns*	*ns*	*	*
F_v/F_m	***	*ns*	***	*ns*	*ns*	*ns*	**
Φ_{PSII}	***	*ns*	***	*ns*	*ns*	*ns*	*ns*
NPQ	***	*ns*	*ns*	*ns*	*ns*	*	*ns*
1-*q*P	*	*ns*	**	*ns*	*	*ns*	*ns*
Chl *a*	*ns*	–	*ns*	–	*ns*	–	**
Chl *b*	*ns*	–	***	–	*ns*	–	**
Car	*ns*	–	*ns*	–	*ns*	–	*ns*
Chl *a*/*b*	*	–	*ns*	–	*ns*	–	**
Chl *a*+*b*	*ns*	–	*ns*	–	*ns*	–	**
Chl *a*+*b* / Car	*ns*	–	*	–	*ns*	–	***

Abbreviations: *ns*—not significant, Chl *a*—chlorophyll *a*, Chl *b*—chlorophyll *b*, Car—total carotenoids, Chl *a*/*b*—chlorophyll *a* to chlorophyll *b* ratio, Chl *a*+*b*—total chlorophylls, Chl a+b / Car—total chlorophylls to total carotenoids ratio.