

## Supplementary material

Table S1. Comparison between wetland plant species collected in 1839-1915 and in 2003 at Künsnacht, Switzerland (derived from Stehlik et al. 2007). The Landolt (1977) ordinal indicator value for moisture (M) and nutrients (N) are the primary and secondary ranking parameters for the a priori series in this example. The fraction of extinction was 0.277 (= 23/83) and  $IR_{ab}$  equaled 0.305.

Species	M	N	Rank	Weight	Extinct
<i>Drosera longifolia</i>	5	1	1	8	yes
<i>Liparis loeselii</i>	5	1	1	8	yes
<i>Carex davalliana</i>	5	2	2	7	no
<i>Carex lasiocarpa</i>	5	2	2	7	yes
<i>Carex vulpina</i>	5	2	2	7	yes
<i>Dactylorhiza incarnata</i>	5	2	2	7	no
<i>Dactylorhiza traunsteineri</i>	5	2	2	7	no
<i>Eleocharis palustris</i>	5	2	2	7	yes
<i>Eleocharis uniglumis</i>	5	2	2	7	yes
<i>Epilobium palustre</i>	5	2	2	7	no
<i>Eriophorum latifolium</i>	5	2	2	7	no
<i>Menyanthes trifoliata</i>	5	2	2	7	no
<i>Peucedanum palustre</i>	5	2	2	7	yes
<i>Potamogeton natans</i>	5	2	2	7	no
<i>Potentilla palustris</i>	5	2	2	7	yes
<i>Ranunculus flammula</i>	5	2	2	7	yes
<i>Utricularia minor</i>	5	2	2	7	yes
<i>Viola palustris</i>	5	2	2	7	no
<i>Berula erecta</i>	5	3	3	6	no
<i>Cardamine amara</i>	5	3	3	6	no
<i>Carex elata</i>	5	3	3	6	no
<i>Carex paniculata</i>	5	3	3	6	no
<i>Carex vesicaria</i>	5	3	3	6	yes
<i>Equisetum fluviatile</i>	5	3	3	6	no
<i>Lemna minor</i>	5	3	3	6	no
<i>Lycopus europaeus</i>	5	3	3	6	no
<i>Mentha aquatica</i>	5	3	3	6	no
<i>Myriophyllum verticillatum</i>	5	3	3	6	no
<i>Nasturtium officinale</i>	5	3	3	6	no
<i>Nuphar lutea</i>	5	3	3	6	no
<i>Nymphaea alba</i>	5	3	3	6	no
<i>Phragmites australis</i>	5	3	3	6	no
<i>Poa palustris</i>	5	3	3	6	no
<i>Potamogeton crispus</i>	5	3	3	6	no
<i>Potamogeton perfoliatus</i>	5	3	3	6	yes
<i>Schoenoplectus lacustris</i>	5	3	3	6	no
<i>Senecio paludosus</i>	5	3	3	6	yes
<i>Taraxacum palustre</i>	5	3	3	6	no
<i>Typha shuttleworthii</i>	5	3	3	6	yes
<i>Elodea canadensis</i>	5	4	4	5	no
<i>Glyceria notata</i>	5	4	4	5	no
<i>Iris pseudacorus</i>	5	4	4	5	no
<i>Najas marina</i>	5	4	4	5	no
<i>Phalaris arundinacea</i>	5	4	4	5	no
<i>Polygonum amphibium</i>	5	4	4	5	no

<i>Potamogeton lucens</i>	5	4	4	5	yes
<i>Potamogeton pectinatus</i>	5	4	4	5	yes
<i>Potamogeton pusillus</i>	5	4	4	5	yes
<i>Sparganium erectum</i>	5	4	4	5	no
<i>Typha latifolia</i>	5	4	4	5	no
<i>Veronica anagallis-aquatica</i>	5	4	4	5	no
<i>Veronica beccabunga</i>	5	4	4	5	no
<i>Primula farinosa</i>	4	1	5	4	no
<i>Spiranthes aestivalis</i>	4	1	5	4	yes
<i>Agrostis canina</i>	4	2	6	3	no
<i>Blysmus compressus</i>	4	2	6	3	yes
<i>Carex echinata</i>	4	2	6	3	yes
<i>Carex flava</i>	4	2	6	3	no
<i>Carex hostiana</i>	4	2	6	3	no
<i>Carex nigra</i>	4	2	6	3	no
<i>Carex panicea</i>	4	2	6	3	no
<i>Eleocharis acicularis</i>	4	2	6	3	yes
<i>Epipactis palustris</i>	4	2	6	3	no
<i>Equisetum variegatum</i>	4	2	6	3	no
<i>Galium palustre</i>	4	2	6	3	no
<i>Gentiana utriculosa</i>	4	2	6	3	yes
<i>Juncus alpinoarticulatus</i>	4	2	6	3	no
<i>Juncus articulatus</i>	4	2	6	3	no
<i>Molinia caerulea</i>	4	2	6	3	no
<i>Parnassia palustris</i>	4	2	6	3	no
<i>Pinguicula alpina</i>	4	2	6	3	no
<i>Pinguicula vulgaris</i>	4	2	6	3	no
<i>Saxifraga aizoides</i>	4	2	6	3	no
<i>Saxifraga mutata</i>	4	2	6	3	no
<i>Schoenus ferrugineus</i>	4	2	6	3	no
<i>Schoenus nigricans</i>	4	2	6	3	no
<i>Tofteldia calyculata</i>	4	2	6	3	no
<i>Triglochin palustris</i>	4	2	6	3	no
<i>Cardamine flexuosa</i>	4	3	7	2	no
<i>Carex distans</i>	4	3	7	2	yes
<i>Lysimachia vulgaris</i>	4	3	7	2	no
<i>Epilobium parviflorum</i>	4	4	7	2	no
<i>Trichophorum cespitosum</i>	3	2	8	1	no

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