

Supplementary material

Supplementary A. (cont.)

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70 DLeonaut	1	1667976	3333433333	3333333388	8888888833	33335555	888444533	633321611	11222339	166613161	111111121	44441111	112841111	883555777	17
62 DErigbor	7	82736	.91484715672	05023680150	10233589977	770011120	000111123	777555501	002800	..FC.55222CFGBAB	.01399	.411111102	GHBH.13444440776003	222555444	94
59 DEquisci															
42 DCoelvir															
41 DCirspal			3031785189	519300234267674	504381241122393	4578056856345012391450547							01471.5.121046789AD.2B		
33 DAngesyl															
217 FTomenit															
68 DGymncon															
155 FAulapal															
146 EKobrsim		1													
145 EJunctri	1														
144 EJuncas															
94 DSaxiaiz															
79 DPedioed															
34 DAntedio															
30 CVaccvit															
17 Junicom															
185 FPhilft															
138 Eriovag						1									
111 ECalastr															
91 DRumeace															
61 DEquivar	1	1-1-1													
26 CSaliret															
20 CSalihas															
218 FTorttor															
173 FFissosm		1													
113 ECarebux															
46 DDactrcru	1	1													
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Supplementary B. Total species list with abbreviations

The 200 species-entries (= taxa) included in the multivariate analyses of rich fen vegetation in Sølendet and Tågdalen nature reserves with vegetation layers, scientific names and the abbreviations. Species shown in small fonts are not included in tables and figures of the printed paper. B = shrub layer, C = field layer, woody plants, D = field layer, herbs, E = field layer, graminoids, F = bottom layer, mosses, G = bottom layer, liverworts (hepatics) and H = bottom layer, macrolichens.

Layer	Species	Abbreviation
B	<i>Alnus incana</i> - B	BAlnuinc
B	<i>Betula nana</i> - B	BBetunan
B	<i>Betula pubescens</i> - B	BBetupub
B	<i>Salix glauca</i> - B	BSaligla
B	<i>Salix myrsinifolia</i> coll. - B	BSalimyf
C	<i>Alnus incana</i>	CAlnuinc
C	<i>Andromeda polifolia</i>	CAndrpol
C	<i>Betula nana</i>	CBetunan
C	<i>Betula pubescens</i>	CBetupub
C	<i>Calluna vulgaris</i>	CCallvul
C	<i>Empetrum nigrum</i> coll.	CEmpenig
C	<i>Erica tetralix</i>	CErictet
C	<i>Juniperus communis</i>	CJunicom
C	<i>Oxycoccus microcarpus</i>	COxycmic
C	<i>Salix glauca</i>	CSaligla
C	<i>Salix hastata</i>	CSalahas
C	<i>Salix lapponum</i>	CSalilap
C	<i>Salix myrsinifolia</i> coll.	CSalimyf
C	<i>Salix phylicifolia</i>	CSaliphy
C	<i>Salix reticulata</i>	CSaliret
C	<i>Sorbus aucuparia</i>	CSorbauc
C	<i>Vaccinium uliginosum</i>	CVacculi
C	<i>Vaccinium vitis-idaea</i>	CVaccvit
D	<i>Alchemilla</i> sp.	DAlchsp.
D	<i>Anemone nemorosa</i>	DAnemnem
D	<i>Angelica sylvestris</i>	DAnge syl
D	<i>Antennaria dioica</i>	DAntedio
D	<i>Bartsia alpina</i>	DBartalp
D	<i>Bistorta vivipara</i>	DBistviv
D	<i>Caltha palustris</i>	DCaltpal
D	<i>Cirsium palustre</i>	DCirspal
D	<i>Coeloglossum viride</i>	DCoelvir
D	<i>Comarum palustre</i>	DComapal
D	<i>Corallorhiza trifida</i>	DCoratri
D	<i>Crepis paludosa</i>	DCreppal
D	<i>Dactylorhiza cruenta</i>	DDactcru
D	<i>Dactylorhiza incarnata</i>	DDactinc
D	<i>Dactylorhiza lapponica</i>	DDactlap
D	<i>Dactylorhiza maculata</i>	DDactmac

Supplementary B. (cont.)

Layer	Species	Abbreviation
D	<i>Drosera anglica</i>	DDrosang
D	<i>Drosera rotundifolia</i>	DDrosrot
D	<i>Epilobium palustre</i>	DEpilpal
D	<i>Equisetum palustre</i>	DEquipal
D	<i>Equisetum scirpoides</i>	DEquisci
D	<i>Equisetum variegatum</i>	DEquivar
D	<i>Erigeron boreale</i>	DErighor
D	<i>Euphrasia wettsteinii</i>	DEuphwet
D	<i>Filipendula ulmaria</i>	DFiliulm
D	<i>Galium boreale</i>	DGalibor
D	<i>Geranium sylvaticum</i>	DGerasyl
D	<i>Geum rivale</i>	DGeumriv
D	<i>Gymnadenia conopsea</i>	DGymncon
D	<i>Huperzia selago</i>	DHupesel
D	<i>Leontodon autumnalis</i>	DLeonaut
D	<i>Listera ovata</i>	DListova
D	<i>Melampyrum pratense</i>	DMelapra
D	<i>Melampyrum sylvaticum</i>	DMelasyl
D	<i>Menyanthes trifoliata</i>	DMenytri
D	<i>Narthecium ossifragum</i>	DNartoss
D	<i>Parnassia palustris</i>	DParnpal
D	<i>Pedicularis oederi</i>	DPedioed
D	<i>Pedicularis palustris</i>	DPedipal
D	<i>Pinguicula vulgaris</i>	DPingvul
D	<i>Platanthera bifolia</i>	DPlatbif
D	<i>Potentilla erecta</i>	DPoteere
D	<i>Pyrola minor</i>	DPyromin
D	<i>Pyrola rotundifolia</i>	DPyrorot
D	<i>Ranunculus acris</i>	DRanuacr
D	<i>Rumex acetosa</i>	DRumeace
D	<i>Saussurea alpina</i>	DSausalp
D	<i>Saxifraga aizoides</i>	DSaxiaiz
D	<i>Scheuchzeria palustris</i>	DSchepal
D	<i>Selaginella selaginoides</i>	DSelasel
D	<i>Solidago virgaurea</i>	DSolivir
D	<i>Succisa pratensis</i>	DSuccpra
D	<i>Thalictrum alpinum</i>	DThalalp
D	<i>Tofieldia pusilla</i>	DTofipus
D	<i>Trientalis europaea</i>	DTrieeur
D	<i>Triglochin palustre</i>	DTrigpal
D	<i>Utricularia minor</i>	DUtrimin
D	<i>Viola palustris/epipsila</i>	DViolpal
E	<i>Agrostis capillaris</i>	EAgrocap
E	<i>Anthoxanthum odoratum</i>	EAnthodo
E	<i>Calamagrostis stricta</i>	ECalastr
E	<i>Carex atrofusca</i>	ECareatr
E	<i>Carex buxbaumii</i>	ECarebux
E	<i>Carex capillaris</i>	ECarecap
E	<i>Carex capitata</i>	ECarecap
E	<i>Carex chordorrhiza</i>	ECarecho

Supplementary B. (cont.)

Layer	Species	Abbreviation
E	<i>Carex dioica</i>	ECaredio
E	<i>Carex echinata</i>	ECareech
E	<i>Carex flava</i>	ECarefla
E	<i>Carex flava x hostiana</i>	ECarefxh
E	<i>Carex flava x tumidicarpa</i>	ECarefxt
E	<i>Carex heleonastes</i>	ECarehel
E	<i>Carex hostiana</i>	ECarehos
E	<i>Carex lasiocarpa</i>	ECarelas
E	<i>Carex limosa</i>	ECarelim
E	<i>Carex nigra</i>	ECarenig
E	<i>Carex panicea</i>	ECarepan
E	<i>Carex pauciflora</i>	ECarepau
E	<i>Carex rostrata</i>	ECareros
E	<i>Carex saxatilis</i>	ECaresax
E	<i>Carex vaginata</i>	ECarevag
E	<i>Deschampsia cespitosa</i>	EDescces
E	<i>Eleocharis quinqueflora</i>	EEleoqui
E	<i>Eriophorum angustifolium</i>	EErioang
E	<i>Eriophorum latifolium</i>	EEriolat
E	<i>Eriophorum vaginatum</i>	EEriovag
E	<i>Festuca ovina</i>	EFestovi
E	<i>Festuca vivipara</i>	EFestviv
E	<i>Hierochloa odorata</i>	EHierodo
E	<i>Juncus alpinoarticulatus</i>	EJuncalp
E	<i>Juncus castaneus</i>	EJunccas
E	<i>Juncus triglumis</i>	EJunctri
E	<i>Kobresia simpliciuscula</i>	EKobrsim
E	<i>Luzula sudetica</i>	ELuzusud
E	<i>Molinia caerulea</i>	EMolicae
E	<i>Nardus stricta</i>	ENardstr
E	<i>Schoenus ferrugineus</i>	ESchofer
E	<i>Trichophorum alpinum</i>	ETricalp
E	<i>Trichophorum cespitosum</i>	ETricces
F	<i>Aulacomnium palustre</i>	FAulapal
F	<i>Brachythecium reflexum</i>	FBracref
F	<i>Brachythecium turgidum</i>	FBractur
F	<i>Breidleria pratensis</i>	FBreipra
F	<i>Bryum pseudotriquetrum</i>	FBryupse
F	<i>Calliergon giganteum</i>	FCallgig
F	<i>Calliergon richardsonii</i>	FCallric
F	<i>Calliergonella cuspidata</i>	FCallcus
F	<i>Calliergonella lindbergii</i>	FCalllin
F	<i>Campylium stellatum</i>	FCampste
F	<i>Cinclidium stygium</i>	FCincsty
F	<i>Ctenidium molluscum</i>	FCtenmol
F	<i>Dicranum bonjeanii</i>	FDicrbon
F	<i>Ditrichum flexicaule</i>	FDitrfle
F	<i>Fissidens adianthoides</i>	FFissadi
F	<i>Fissidens osmundoides</i>	FFissosm

Supplementary B. (cont.)

Layer	Species	Abbreviation
F	<i>Hylocomiastrum pyrenaicum</i>	FHylopyr
F	<i>Hylocomiastrum umbratum</i>	FHyloumb
F	<i>Hylocomium splendens</i>	FHylospl
F	<i>Hypnum bambergeri</i>	FHypnbam
F	<i>Loeskyppnum badium</i>	FLoesbad
F	<i>Meesia triquetra</i>	FMeestri
F	<i>Paludella squarrosa</i>	FPalusqu
F	<i>Palustriella commutata</i>	FPalucom
F	<i>Philonotis fontana/tomentella</i>	FPhilf/t
F	<i>Plagiomnium elatum</i>	FPlagela
F	<i>Plagionmium ellipticum</i>	FPlagell
F	<i>Plagiothecium denticulatum</i>	FPlagden
F	<i>Pleurozium schreberi</i>	FPlausch
F	<i>Polytrichastrum formosum</i>	FPolyfor
F	<i>Pseudocalliergon trifarium</i>	FPseutri
F	<i>Racomitrium lanuginosum</i>	FRacolan
F	<i>Rhizomnium pseudopunctatum</i>	FRhizpse
F	<i>Rhytidiadelphus squarrosus/subpinnatus</i>	FRhytsqu
F	<i>Rhytidiadelphus triquetrus</i>	FRhyttri
F	<i>Sanionia uncinata</i>	FSaniunc
F	<i>Scorpidium cossonii</i>	FScorcos
F	<i>Scorpidium scorpioides</i>	FScorsco
F	<i>Sphagnum auriculatum</i> s.lat.	FSphaaur
F	<i>Sphagnum contortum</i>	FSphacon
F	<i>Sphagnum lindbergii</i>	FSphalin
F	<i>Sphagnum papillosum</i>	FSphapap
F	<i>Sphagnum platyphyllum</i>	FSphapla
F	<i>Sphagnum subnitens</i>	FSphasub
F	<i>Sphagnum subsecundum</i>	FSphasub
F	<i>Sphagnum teres</i>	FSphater
F	<i>Sphagnum warnstorffii</i>	FSphawar
F	<i>Straminergon stramineum</i>	FStrastr
F	<i>Tomentypnum nitens</i>	FTomenit
F	<i>Tortella tortuosa</i>	FTorttor
F	<i>Warnstorffia sarmentosa</i>	FWarnsar
G	<i>Aneura pinguis</i>	GAneupin
G	<i>Barbilophozia floerkei</i>	GBarbflo
G	<i>Barbilophozia lycopodioides</i>	GBarblyc
G	<i>Barbilophozia quadriloba</i> coll.	GBarbqua
G	<i>Barbilophozia rutheana</i>	GBarbrut
G	<i>Calypogeia sphagnicola</i>	GCalysph
G	<i>Cephalozia lunulifolia</i> coll.	GCephun
G	<i>Cephaloziella</i> sp.	GCephsp.
G	<i>Chiloscyphus pallescens/polyanthos</i>	GChilpal
G	<i>Cladopodiella fluitans</i>	GCladflu
G	<i>Fossombronina foveolata</i>	GFossfov
G	<i>Gymnocolea borealis</i>	GGymnbor
G	<i>Lophozia bantriensis/gillmanii</i>	GLophb/g
G	<i>Moerckia hibernica</i>	GMoerhib
G	<i>Odontoschisma elongatum</i>	GOdonelo

Supplementary B. (cont.)

Layer	Species	Abbreviation
G	<i>Pellia neesiana</i>	GPellnee
G	<i>Plagiochila porelloides</i>	GPlagpor
G	<i>Ptilidium ciliare</i>	GPtilcil
G	<i>Riccardia multifida</i>	GRiccmul
G	<i>Scapania degenii</i>	GScapdeg
G	<i>Scapania irrigua</i>	GScapirr
G	<i>Scapania paludicola</i>	GScappal
G	<i>Scapania paludosa</i>	GScappal
G	<i>Scapania undulata</i>	GScapund
G	<i>Tritomaria polita</i>	GTritpol
G	<i>Tritomaria quinquedentata</i>	GTritqui
H	<i>Cetraria islandica</i>	HCetrisl