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New Check-list of the Mosses of Italy

Abstract

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This new check-list of the mosses of Italy in its political boundaries is composed of 851 species representing 210 genera and 55 families. The main species list includes tabular distributional data by regions, based on literature reports and herbarium records. The reports of species presence based on pre-1950 collections are distinguished from those based on more recent confirmations. In addition, 3 lists concerning the new reported taxa, the excluded taxa and the known synonyms are presented.

Introduction

The first Italian check-list of mosses (Cortini Pedrotti, 1992) included 818 species representing 202 genera and 53 families. During the last decade the Italian and foreign bryologists have strongly increased their efforts by investigating more in detail the Italian territories. As a consequence, new localities for the species reported in the previous check-list, but also new species for Italy has been reported.

The increasing interest in the taxonomy and chorology of the Bryophytes, especially aimed to biodiversity conservation, has stimulated the elaboration of an updated and corrected check-list. In this new edition 46 new taxa are reported, of which some had been previously included among the uncertain or excluded taxa but subsequently reconsidered based on recent taxonomic revisions. On the other hand, in comparison to the previous check-list, some species and one genus have been eliminated as they were erroneously reported. The current check-list of the mosses of Italy is composed of 851 species, 210 genera and 55 families.

The tabular representation has been maintained the same as in the previous edition of the check-list. The distribution of species by regions (table read by rows) offers valuable chorologic information, whereas the moss flora of each Italian region can be deduced from the distribution of regions by species (table read by columns). The 20 Italian regions plus the Republic of San Marino are arranged from north to south (Fig. 1) and are designed by the following abbreviations:

ABR = Abruzzo	MOL = Molise
AOS = Val d'Aosta	PIE = Piemonte
BAS = Basilicata	PUG = Puglia
CAL = Calabria	SAR = Sardegna
CAM = Campania	SIC = Sicilia
EMR = Emilia-Romagna	SMR = Repubblica San Marino
FRV = Friuli-Venezia Giulia	TOS = Toscana
LAZ = Lazio	TRA = Trentino-Alto Adige
LIG = Liguria	UMB = Umbria
LOM = Lombardia	VEN = Veneto
MAR = Marche	



Fig. 1. The administrative boundaries of the Italian regions and the Republic of San Marino.

The check-list is supplemented by a systematic synopsis of genera and, lists of new reported taxa, excluded taxa, synonyms and notes.

The following symbols are used:

- = report based on collections made before 1950;
- ◆ = report based on at least one collection made after 1950;
- (◆) = presence uncertain;
- + = report without a precise reference to the collection date.

Systematic synopsis of genera

Class SPHAGNOPSIDA

Order SPHAGNALES

Family **Sphagnaceae**

Sphagnum L.

Class ANDREAEOPSIDA

Order ANDREAEALES

Family **Andreaeaceae**

Andreaea Hedw.

Class BRYOPSIDA

Order TETRAPHIDALES

Family **Tetraphidaceae**

Tetraphis Hedw.

Order POLYTRICHALES

Family **Polytrichaceae**

Pogonatum P. Beauv.

Polytrichastrum G. L. Smith

Polytrichum Hedw.

Oligotrichum Lam. & DC.

Atrichum P. Beauv.

Order BUXBAUMIALES

Family **Buxbaumiaceae**

Diphyscium D. Mohr

Buxbaumia Hedw.

Order ARCHIDIALES

Family **Archidiaceae**

Archidium Brid.

Order FISSIDENTALES

Family **Fissidentaceae**

Fissidens Hedw.

Order DICRANALES

Family **Dicranaceae**

Leucobryum Hampe

Paraleucobryum (Lindb.) Loeske

Dicranum Hedw.

Kiaeria I. Hagen

Arctoa Bruch & al.

Dicranoweisia Lindb. ex Milde

Oncophorus (Brid.) Brid.

Campylopus Brid.

Dicranodontium Bruch & al.

Dicranella (Müll. Hal.) Schimp.

Aongstroemia Bruch & al.

Dichodontium Schimp.

Oreoweisia De Not.

Cnestrum I. Hagen

Cynodontium Schimp.

Oreas Brid.

Rhabdoweisia Bruch & al.

Family **Ditrichaceae**

Pseudephemerum (Lindb.) Loeske

Cheilothela Lindb.

Ceratodon Brid.

Saelania Lindb.

Ditrichum Hampe

Pleuridium Rabenh.

Family **Distichiaceae**

Distichium Bruch & al.

Family **Bruchiaceae**

Trematodon Michx.

Bruchia Schwägr.

Order SELIGERIALES

Family **Seligeriaceae**

- Blindia* Bruch & al.
Seligera Bruch & al.
Brachydontium Fürnr.

Order ENCALYPTALES

Family **Encalyptaceae**

- Encalypta* Hedw.

Order POTTIALES

Family **Calymperaceae**

- Calymperes* Sw.

Family **Pottiaceae**

- Syntrichia* Brid.
Tortula Hedw.
Chenia R. H. Zander
Aloina Kindb.
Pterygoneurum Jur.
Crossidium Jur.
Desmatodon Brid.
Stegonia Venturi
Pottia (Rchb.) Fürnr.
Phascum L. ex Hedw.
Acaulon Müll. Hal.
Scopelophila (Mitt.) Lindb.
Barbula Hedw.
Leptobarbula Schimp.
Hyophila Brid.
Pseudocrossidium R. S. Williams
Trichostomopsis Cardot
Didymodon Hedw.
Geheebia Schimp.
Bryoerythrophyllum P.C. Chen
Leptodontium (Müll. Hal.) Hampe
 ex Lindb.
Eucladium Bruch & al.
Gyrowesia Schimp.
Gymnostomum Nees & Hornsch.
Anoetangium Schwägr.
Hymenostylium Brid.
Trichostomum Bruch
Weissia Hedw.
Aschisma Lindb.
Oxystegus (Limpr.) Hilp.

Pleurochaete Lindb.

Tortella (Lindb.) Limpr.

Timmiella (De Not.) Limpr.

Family **Cinclidotaceae**

Cinclidotus P. Beauv.

Order GRIMMIALES

Family **Grimmiaceae**

- Coscinodon* Spreng.
Schistidium Brid.
Grimmia Hedw.
Hydrogrimmia (I. Hagen) Loeske
Racomitrium Brid.

Family **Ptychomitriaceae**

- Ptychomitrium* Fürnr.
Campylostelium Bruch & al.

Order FUNARIALES

Family **Gigaspermaceae**

- Gigaspermum* Lindb.

Family **Funariaceae**

- Funaria* Hedw.
Entosthodon Schwägr.
Funariella Sérgio
Physcomitrium (Brid.) Brid.
Pyramidula Brid.
Physcomitrella Bruch & al.

Family **Ephemeraceae**

- Ephemerum* Hampe

Family **Splachnaceae**

- Voitia* Hornsch.
Tayloria Hook.
Tetraplodon Bruch & al.
Splachnum Hedw.

Order SCHISTOSTEGALES

Family **Schistostegaceae**

- Schistostega* D. Mohr

Order Bryales

Family **Bryaceae**

- Leptobyum* Wilson

Pohlia Hedw.
Mielichhoferia Hornsch.
Plagiobryum Lindb.
Anomobryum Schimp.
Epipterygium Lindb.
Bryum Hedw.

Family ***Rhodobryaceae***
Rhodobryum (Schimp.) Limpr.

Family ***Mniaceae***
Mnium Hedw.

Family ***Cinclidiaceae***
Cinclidium Sw.
Cyrtomnium Holmen
Rhizomnium (Broth.) T. J. Kop.

Family ***Plagiomniaceae***
Plagiomnium T.J. Kop.
Pseudobryum (Kindb.) T. J. Kop.

Family ***Aulacomniaceae***
Aulacomnium Schwägr.

Family ***Meesiaceae***
Paludella Brid.
Meesia Hedw.
Amblyodon Bruch & al.

Family ***Catoscopiaceae***
Catoscopium Brid.

Family ***Bartramiaceae***
Plagiopus Brid.
Bartramia Hedw.
Conostomum Sw.
Anacolia Schimp.
Philonotis Brid.

Family ***Timmiaceae***
Timmia Hedw.

Order ORTHOTRICHALES

Family ***Orthotrichaceae***
Amphidium Schimp.
Zygodon Hook. & Taylor
Orthotrichum Hedw.

Ulota D. Mohr

Order HEDWIGIALES

Family ***Hedwigiaceae***
Hedwigia P. Beauv.
Braunia Bruch & al.

Order NECKERALES

Family ***Fontinalaceae***
Fontinalis Schimp.
Dichelyma Myrin

Family ***Chryphaeaceae***
Cryphaea D. Mohr

Family ***Leucodontaceae***
Leucodon Schwägr.
Antitrichia Brid.
Pterogonium Sm.

Family ***Neckeraceae***
Leptodon D. Mohr
Neckera Hedw.
Metaneckera Steere
Homalia (Brid.) Bruch & al.

Family ***Thamnobryaceae***
Thamnobryum Nieuwl.

Family ***Climaciaceae***
Climacium Weber & D. Mohr

Order HOOKERIALES
Hookeria Sm.

Order THUIDIALES

Family ***Fabroniaceae***
Fabronia Raddi
Anacamptodon Brid.

Family ***Myriniaceae***
Helicodontium Schwägr.
Myrinia Schimp.

Family ***Pterigynandraceae***
Pterigynandrum Hedw.
Myurella Bruch & al.

Habrodon Schimp.
Heterocladium Bruch & *al.*

Family ***Leskeaceae***

Leskea Hedw.
Lescuraea Bruch & *al.*
Ptychodium Schimp.
Pseudoleskea Bruch & *al.*
Pseudoleskeella Kindb.

Family ***Anomodontaceae***

Haplohymenium Dozy & Molk.
Anomodon Hook & Taylor

Family ***Thuidiaceae***

Haplocladium Müll. Hal.
Thuidium Bruch & *al.*

Order HYPNALES

Family ***Amblystegiaceae***

Cratoneuron (Sull.) Spruce
Palustriella Ochyra
Campylium (Sull.) Mitt.
Campyliadelphus (Kindb.) R. S. Chopra
Campylophyllum (Schimp.) M. Fleisch.
Hygroamblystegium Loeske
Amblystegium Bruch & *al.*
Leptodictyum (Schimp.) Warnst.
Platidictya Berk.
Conardia H. Rob.
Sanionia Loeske
Drepanocladus (Müll. Hal.) G. Roth
Hamatocaulis Hedenäs
Scorpidium (Schimp.) Limpr.
Pseudocalliergon (Limpr.) Loeske
Warnstorfia Loeske
Calliergon (Sull.) Kindb.
Straminergon Hedenäs
Hygrohypnum Lindb.
Calliergonella Loeske

Family ***Brachytheciaceae***

Tomentypnum Loeske
Homalothecium Bruch & *al.*

Scorpiurium Schimp.
Isothecium Brid.
Brachythecium Bruch & *al.*
Cirriphyllum Grout
Scleropodium Bruch & *al.*
Rhynchostegium Bruch & *al.*
Eurhynchium Bruch & *al.*
Rhynchostegiella (Bruch & *al.*) Limpr.

Family ***Entodontaceae***

Pleurozium Mitt.
Entodon Müll. Hal.

Family ***Rhytidiaceae***

Rhytidium (Sull.) Kindb.

Family ***Plagiotheciaceae***

Taxiphyllum M. Fleisch.
Isopterygiopsis Z. Iwats.
Isopterygium Mitt.
Pseudotaxiphyllum Z. Iwats
Herzogiella Broth.
Plagiothecium Bruch & *al.*

Family ***Sematophyllaceae***

Sematophyllum Mitt.
Heterophyllum (Schimp.) Müll. Hal. ex Kindb.
Callicladium H. A. Crum

Family ***Hypnaceae***

Ptilium De Not.
Ctenidium (Schimp.) Mitt.
Homomallium (Schimp.) Loeske
Platygyrium Bruch & *al.*
Pylaisia Schimp.
Orthothecium Bruch & *al.*
Hypnum Hedw.
Breidleria Loeske
Rhytidiadelphus (Limpr.) Warnst.
Hylocomium Bruch & *al.*

	AOS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>Aculeon</i> Müll. Hal. (<i>Pottiaceae</i>)																					
<i>fontiquerianum</i> Casas & Sergio																					
<i>muticum</i> (Hedw.) Müll.	•	♦	♦	♦				•		♦										•	•
var. <i>mediterraneum</i> (Limpr.) Sergio																				•	•
<i>pligerum</i> (De Not) Limpr. [1]										♦										♦	♦
<i>triquetrum</i> (Spruce) Müll. Hal.																•			•	♦	♦
<i>Aloina</i> Kindb. (<i>Pottiaceae</i>)																					
<i>aloides</i> (Schultz) Kindb.	•	♦	♦	♦	♦	♦	♦	•	•	♦	•	♦	•	♦		•	♦	♦	♦	♦	♦
<i>ambigua</i> (Bruch & Schimp.) Limpr.	♦	♦	♦	♦	♦	♦	♦	•	•	♦	♦	♦	•	♦		•	♦	♦	♦	♦	♦
<i>bifrons</i> (De Not.) Delgad. [2]																					
<i>brevirostris</i> (Hook & Grev) Kindb. [3]	•			(♦)																	
<i>rigida</i> (Hedw.) Limpr.	♦	♦	♦	♦	♦	♦	♦	•	•	♦	•		•			•	♦	♦	♦	♦	♦
<i>Amblyodon</i> Bruch & al. (<i>Meesiaceae</i>)																					
<i>dealbatus</i> (Hedw.) Bruch & al.	•	•	♦	♦	♦	♦															
<i>Amblystegium</i> Bruch & al. (<i>Amblystegiaceae</i>)																					
<i>radicale</i> (P. Beauv.) Schimp.	•			•	♦	•					•	•									
<i>serpens</i> (Hedw.) Bruch & al.	•			•	♦	•	♦	•	•	•	•	•	♦						♦		•
var. <i>iracundum</i> (Schimp.) Rau & Herv.	♦	♦	♦	♦	♦	♦		•	•												
<i>varium</i> (Hedw.) Lindb.	♦	♦	♦	♦	♦	♦	♦	•			•	•				•	•				•
<i>Amphidium</i> Schimp. (<i>Orthotrichaceae</i>)																					
<i>lapponicum</i> (Hedw.) Schimp.	•	•	•	•	♦	♦				♦											
<i>mongoli</i> (Bruch & Schimp.) Schimp.	•	•	♦	♦	♦	♦	♦			•			•							•	•
<i>Anacamptodon</i> Brid. (<i>Fabroniaceae</i>)																					
<i>splachnoides</i> (Brid.) Brid.			♦	♦		♦															
<i>Anacolla</i> Schimp. (<i>Bartramiaceae</i>)																					
<i>webbii</i> (Mon.) Schimp.																				•	•
<i>Andrena</i> Hedw. (<i>Andraceae</i>)																					
<i>alpensis</i> (Thed.) Schimp.	•	•	•	•																	
<i>alpina</i> Hedw.		♦	♦																		
<i>crassinervis</i> Bruch		•	♦	♦																	
<i>frigida</i> Huebner		•	♦	♦																	
<i>heinemanni</i> Lampe & Müll. Hal. [4]																					
<i>nivalis</i> Hook.		•	♦	♦																	
<i>rothii</i> Weber & D. Mohr ssp. <i>falcata</i> (Schimp.) Lindb.																					
<i>rothii</i> Weber & D. Mohr ssp. <i>rothii</i>	♦	♦	♦	♦	♦	♦				♦											
<i>rupestris</i> Hedw. [5]	•	♦	♦	♦	♦	♦		♦		♦			(♦)								
var. <i>papillosa</i> (Lindb.) Podp.		♦	♦	♦	♦	♦															
<i>Anectangium</i> Schwägr. (<i>Pottiaceae</i>)																					
<i>aestivum</i> (Hedw.) Müll.	•	•	♦	♦	♦	♦				♦			♦								

	AOS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>ehrenbergii</i> (Lorentz) M. Fleisch.			•						♦											•	•
<i>enderesii</i> Carov.		♦				♦															
<i>indica</i> (Hook.) Spreng.						•															
<i>unguiculata</i> Hedw.	•	•	•			•	•	•	•		•	•	•	•	•		•	•	•	•	•
<i>Bartonia</i> Hedw. (<i>Bartoniaceae</i>)																					
<i>brevifolia</i> Lindb. [7]	♦																				
<i>hallertiana</i> Hedw.	•	•	•	•	•	•	•	•	•	♦	•	•	♦	•	•			♦	•	•	•
<i>thyphylla</i> Brid.	♦	•	•	♦	•	♦															
var. <i>strigosa</i> (Wahlenb.) C. Hartm.																					
<i>pomiformis</i> Hedw. [8]	•	•	•	•	♦	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
var. <i>elongata</i> Turner	♦		♦	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦	♦	♦
<i>stricta</i> Brid.		•	♦	♦	♦	♦	♦														
<i>subulata</i> Bruch & al.			♦	♦		♦													•		
<i>Blindia</i> Bruch & al. (<i>Seligeriaceae</i>)																					
<i>acuta</i> (Hedw.) Bruch & al.	•	♦	♦	♦	♦			♦		•			♦	•							
<i>caespiticia</i> (Weber & D. Mohr) Müll. Hal.	•	•	♦	♦		♦															
<i>Brachydontium</i> Füssl. (<i>Seligeriaceae</i>)																					
<i>trichodes</i> (Weber) Milde			♦					♦													
<i>Brachythecium</i> Bruch & al. (<i>Brachytheciaceae</i>)																					
<i>albicans</i> (Hedw.) Bruch & al.	•	•	•	•	♦	•		♦						•	•		♦	•	♦	♦	♦
<i>campestre</i> (Müll. Hal.) Bruch & al.	♦	•	♦	♦	♦			♦		•	•	♦	•				♦			♦	♦
<i>capillaceum</i> (Weber & D. Mohr) Giacom.		♦	♦	♦																	
<i>collinum</i> (Müll. Hal.) Bruch & al.	♦	•	♦	♦	♦																•
<i>erythrorhizon</i> Bruch & al.	•	♦	♦																		
<i>gelechi</i> Milde		•	♦					♦					♦								
<i>glaciale</i> Bruch & al.	•	•	♦	♦	♦	♦	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<i>glaucesum</i> (Spruce) Bruch & al.		•	♦	♦	♦	♦	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
var. <i>alpinum</i> (De Not.) Limpr.			♦	♦	♦	♦															
<i>latifolium</i> Kndb.				♦		♦															
<i>milleanum</i> (Schimp.) Schimp.	•	•	♦	♦	♦	♦						•									
<i>oedipodium</i> (Mitt.) Jäggli		♦	♦	♦	♦	♦															
<i>oxycladum</i> Jur.		♦	♦	♦																	
<i>plumosum</i> (Hedw.) Bruch & al. [9]	•	•	♦	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦		♦		♦	♦	♦	♦
<i>populeum</i> (Hedw.) Bruch & al.		•	♦	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦				♦	♦	♦	♦
var. <i>amosum</i> (Milde) Limpr.		•	♦	♦	♦	♦															
<i>reflexum</i> (Sturke) Bruch & al.	•	♦	♦	♦	♦	♦		♦					♦	♦	♦			♦	♦	♦	♦
<i>rivulare</i> Bruch & al.	•	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦		♦	♦	♦	♦
<i>rutabulum</i> (Hedw.) Bruch & al.	•	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦		♦	♦	♦	♦
var. <i>flavescens</i> Bruch & al.	♦	♦	♦	♦	♦	♦						♦	♦	♦	♦	♦		♦	♦	♦	♦
var. <i>turgescens</i> Limpr.		•												♦				♦			
<i>salebrosum</i> (Weber & D. Mohr) Bruch & al.		♦	♦	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦		♦	♦	♦	♦
var. <i>vineale</i> (Milde) Podp.				♦																	
<i>starkei</i> (Brid.) Bruch & al.	•	♦	♦	♦	♦	♦			♦	♦	♦		♦	♦						♦	♦

	AOS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>mildeanum</i> Tur.	◆	◆				◆		◆		◆	◆	◆									◆
<i>mini</i> Podp. [18]										◆			◆		◆						
<i>muehlenbeckii</i> Bruch & al.	◆	◆	◆	◆												◆					
var. <i>abbanum</i> (Rote) Podp.																					
var. <i>neodamense</i> Trugs.	◆																				
<i>pallens</i> Sw.	◆			◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<i>pallensens</i> Schleich, ex Schwägr.	◆			◆	◆	◆	◆	◆	◆									◆			
<i>pseudoriquetrum</i> (Hedw.) P. Gaerm. & al. [19]	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
var. <i>hinum</i> (Schreb.) Lilj	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<i>purpurascens</i> (R. Br.) Bruch & al. [20]			◆																		
<i>radiculosum</i> Brid.		◆	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<i>rubens</i> Mitt.	◆				◆	◆				◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<i>ruderale</i> Grundw. & Nyholm	◆		◆	◆		◆				◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<i>sauteri</i> Bruch & al.			◆	◆																	
<i>schlechteri</i> Lam. & DC.	◆	◆	◆	◆	◆	◆		◆		◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆
var. <i>latifolium</i> (Schwägr.) Schimp.	◆		◆	◆	◆	◆		◆		◆	◆	◆	◆	◆	◆	◆	◆		◆		
<i>stirionii</i> Schimp.			◆	◆										◆							
<i>subapiculatum</i> Humpfe	◆	◆	◆	◆	◆	◆		◆			◆									◆	◆
<i>sublegans</i> Kindb.		◆			◆			◆			◆										◆
<i>subneodamense</i> Kindb.			◆	◆	◆																
<i>tenustum</i> Limpp.																					◆
<i>torquescens</i> Bruch & Schimp.		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<i>turbidatum</i> (Hedw.) Turner	◆	◆	◆	◆	◆	◆		◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<i>uliginosum</i> (Brid.) Bruch & Schimp.		◆	◆	◆	◆	◆		◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<i>veronense</i> De Not.		◆	◆	◆	◆	◆		◆		◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆
<i>versicolor</i> A. Braun.			◆	◆	◆	◆		◆		◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆
<i>warneum</i> (Röhl.) Blandow [21]			◆	◆				◆		◆			◆	◆	◆	◆	◆		◆	◆	◆
<i>weigeltii</i> Spreng.	◆		◆	◆		◆		◆		◆										◆	◆
<i>Buxbaumia</i> Hedw. (<i>Buxbaumiaceae</i>)																					
<i>aphylla</i> Hedw.		◆	◆	◆	◆	◆	◆			◆											
<i>viridis</i> (Lam. & DC.) Moug. & Nestl.	◆	◆	◆	◆	◆	◆		◆		◆			◆	◆	◆	◆			◆		
<i>Callicladium</i> H. A. Crum (<i>Sematophyllaceae</i>)																					
<i>haldanianum</i> (Grev.) H. A. Crum	◆	◆	◆	◆	◆	◆															
<i>Calliergon</i> (Sull.) Kindb. (<i>Amblystegiaceae</i>)																					
<i>cordifolium</i> (Hedw.) Kindb.		◆	◆	◆	◆	◆		◆		◆											
<i>giganteum</i> (Schimp.) Kindb.	◆	◆	◆	◆	◆	◆	◆	◆													
<i>richardsonii</i> (Mitt.) Kindb.	◆	◆	◆	◆	◆	◆															
<i>Calliergonella</i> Loocke (<i>Amblystegiaceae</i>)																					
<i>cuspidata</i> (Hedw.) Loocke	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<i>lindbergii</i> (Mitt.) Hedenäs	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<i>Calymperes</i> Sw. (<i>Calymperaceae</i>)																					
<i>erosum</i> Müll. Hal. [22]																					◆

	AOS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>Cinclidous</i> P. Beauv. (<i>Cinclidaceae</i>)																					
<i>aquaticus</i> (Hedw.) Bruch & Schimp.		•	♦	♦	♦	♦	♦	♦			♦		♦	•		♦					•
<i>daubiacae</i> Schiffn. & Baung. [26]																					
<i>fontinaloides</i> (Hedw.) P. Beauv.	•	♦	♦	♦	♦	♦	♦	♦			♦	♦	♦	•				♦	♦	♦	•
<i>muconianus</i> (Brid.) A. L. M. Guim.			♦	♦	♦	♦	♦		♦		♦		♦	•				♦	♦	♦	•
<i>riparius</i> (Brid.) Am.				♦	♦	♦															•
<i>Cirriophyllum</i> Grout (<i>Brachylhaceae</i>)																					
<i>cirrosus</i> (Schwägr. ex Schult.) Grout	•	•	♦	♦	♦	♦		♦					♦	•							♦
<i>plififerum</i> (Hedw.) Grout	•	•	♦	♦	♦	♦				♦			♦	•				♦			♦
<i>tommasinii</i> (Sendtn. ex Boulay) Grout			♦	♦	♦	♦															
<i>Climacium</i> Weber & D. Mohr (<i>Climaciaceae</i>)																					
<i>dendroides</i> (Hedw.) Weber & D. Mohr [27]	•		♦	♦	♦	♦	♦	♦		♦		♦	♦				♦		♦		
<i>Cnestrum</i> L. Hagen (<i>Dicranaceae</i>)																					
<i>alpestre</i> (Huebner) Nyholm ex Mogensén				♦																	
<i>schisti</i> (Weber & D. Mohr) L. Hagen				♦																	
<i>Conardia</i> H. Rob. (<i>Amblystegiaceae</i>)																					
<i>compacta</i> (Müll. Hal.) H. Rob.		•	♦	♦																	
<i>Conostomum</i> Sw. (<i>Bartramiaceae</i>)																					
<i>tetragonum</i> (Hedw.) Lindb.	•	•	♦	♦	♦																
<i>Coscinodon</i> Spreng. (<i>Grimmiaceae</i>)																					
<i>eribrosus</i> (Hedw.) Spruce	•	•	♦	♦	♦	♦	♦			♦			♦			♦				♦	•
<i>humilis</i> Müld.			♦	♦																	
<i>Cratoneuron</i> (Sull.) Spruce (<i>Amblystegiaceae</i>)																					
<i>curvicaule</i> (Jur.) G. Roth	•	♦	♦	♦	♦	♦							♦	•				♦	♦	♦	♦
<i>filicinum</i> (Hedw.) Spruce	•	•	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	•			♦	♦	♦	♦	♦
var. <i>atrovirens</i> (Brid.) Ochyra										♦											
<i>Crossidium</i> Jur. (<i>Pottiaceae</i>)																					
<i>crassinerve</i> (De Not.) Jur.		♦	♦		♦								♦			♦			♦	♦	♦
<i>geheebii</i> (Broth.) Broth. [28]																					
<i>squamiferum</i> (Viv.) Jur.	•	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	•			♦	♦	♦	♦	♦
var. <i>pottii</i> (De Not.) Mönk.	•	♦	♦	♦																	
<i>Cryphaea</i> D. Mohr (<i>Cryphaeaceae</i>)																					
<i>heteromalla</i> (Hedw.) D. Mohr	♦	♦	♦	♦	♦	♦	♦	♦		♦			♦				♦	♦			♦
<i>lamyana</i> (Mont.) Müll. Hal. [29]										♦											
<i>Ctenidium</i> (Schimp.) Mitt. (<i>Hypnaceae</i>)																					
<i>molluscum</i> (Hedw.) Mitt.	•	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	•				♦	♦	♦	♦
var. <i>condensatum</i> (Schimp.) E. Britton	•	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	•				♦	♦	♦	♦

	AOS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>Dicranodontium</i> Bruch & al. (<i>Dicranaceae</i>)																					
<i>asperulum</i> (Mitt.) Broth.		♦	♦	♦	♦																
<i>denudatum</i> (Brid.) E. Britton	•	•	•	•	•		♦	♦		♦						♦				♦	
var. <i>alpinum</i> (Schimp.) I. Hagen			♦	♦																	
<i>uncinatum</i> (Larv.) Jäggli [32]			♦																		
<i>Dicranoweisia</i> Lindb. ex Milde (<i>Dicranaceae</i>)																					
<i>cirrosa</i> (Hedw.) Lindb. ex Milde		•	•	♦	♦		♦	♦		•			•			•			♦	•	•
<i>compacta</i> (Schwägr.) Schimp.	•	•	•	♦			♦	♦		•						♦			♦		
<i>crispula</i> (Hedw.) Milde	•	•	•	♦	♦		♦	♦		•			♦								
<i>Dicranum</i> Hedw. (<i>Dicranaceae</i>)																					
<i>bergeri</i> Bland.	♦	♦	♦	♦																	♦
<i>bongianii</i> De Not.	•	•	♦	♦	♦		♦	♦				•									
<i>brevifolium</i> (Lindb.) Lindb.	♦	♦	♦	♦						•											
<i>crassifolium</i> Sergio, Ochyra & Seneca [33]																					
<i>elongatum</i> Schlecht. ex Schwägr.	♦	♦	♦	♦	♦		♦														
<i>flagellare</i> Hedw.	•	♦	♦	♦	♦		♦														
<i>flescaule</i> Brid.	•	♦	♦	♦																	
<i>fragilifolium</i> Lindb.			♦																		
<i>jubum</i> Hook.		•	♦	♦	♦		♦	♦		♦											
<i>fuscescens</i> Sm.	♦	•	♦	♦																	
<i>groenlandicum</i> Brid. [34]			♦	♦																	
<i>tetoneuron</i> Kindb.	♦	♦	♦	♦														♦			
<i>majus</i> Sm.		•	♦	♦	♦			♦		•										♦	
<i>montanum</i> Hedw.	•	♦	♦	♦	♦								♦								
<i>muehlenbeckii</i> Bruch & al.			♦	♦	♦																
<i>polyseium</i> Sw.	♦	♦	♦	♦	♦		♦						♦				♦			♦	♦
<i>scoparium</i> Hedw.			♦	♦	♦		♦			♦			♦				♦			♦	
<i>spadicum</i> J. E. Zetterst.	•	♦	♦	♦	♦		♦			♦											
<i>sparium</i> Hedw.		♦	♦	♦																	
<i>tauricum</i> Sapehin	•	♦	♦	♦				♦		♦			♦			♦					
<i>viride</i> (Sull. & Less.) Lindb.		♦	♦																		
<i>Didymodon</i> Hedw. (<i>Politiaceae</i>)																					
<i>acutus</i> (Brid.) K. Saito	•	♦	♦	♦	♦		♦	♦		♦			♦			♦		♦		♦	♦

	AOS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>Entosthodon</i> Schwägr. (<i>Funariaceae</i>)																					
<i>attenuatus</i> (Dicks.) Bryhn		◆	◆				◆			●			◆	◆		●	◆		●	●	●
<i>duriens</i> Mont. [38]										◆			◆								
<i>fascicularis</i> (Hedw.) Müll. Hal.		◆		◆	◆			●		●		●	●					◆		●	●
<i>hungaricus</i> (Boros) Loeske [39]																					
<i>obtusus</i> (Hedw.) Lindb.		◆	◆		◆		◆	◆		●		◆				●	◆			●	●
<i>Ephemerum</i> Hampe (<i>Ephemeraeae</i>)																					
<i>cohaerens</i> (Hedw.) Hampe		●		◆						◆									◆	◆	
<i>recurvifolium</i> (Dicks.) Boulay		●								●											
<i>serratum</i> (Hedw.) Hampe			◆	◆	◆								●						◆	◆	●
<i>vac. minutissimum</i> (Lindb.) Groul			◆																		
<i>vac. ruthenium</i> Jur. [40]		●								◆		◆								◆	◆
<i>sessile</i> (Bruch) Müll. Hal.		●																			
<i>Epipterygium</i> Lindb. (<i>Bryaceae</i>)																					
<i>tozeri</i> (Grev.) Lindb.		◆	◆		●		◆			●			●			●			●	●	●
<i>Eucladium</i> Bruch & al. (<i>Pottiaceae</i>)																					
<i>verticillanum</i> (Brid.) Bruch & al.	●	●	●	●	●	●	●	●	◆		●	●	●	●	●			◆	●		●
<i>Eurhynchium</i> Bruch & al. (<i>Brachytheciaceae</i>)																					
<i>angustirostre</i> (Booth.) T. J. Kop		●		●	●	●	●	●	◆	●	●	●	●	●			◆	◆	●	◆	◆
<i>crassinervium</i> (Wils.) Schimp.	●	●	◆	◆	●	◆	◆	◆										◆	◆	◆	◆
<i>flotowianum</i> (Sendtn.) Kartt.			●	◆			●	●			●	●	●	●				◆	◆	◆	◆
<i>hians</i> (Hedw.) Sande Lac.			◆	◆			◆				●	●	◆	●	◆				◆	◆	◆
<i>vac. rigidum</i> (Boulay) Düll			◆	◆			◆				●	●	◆	●	◆				◆	◆	◆
<i>meridionale</i> (Bruch & al.) De Not.			◆	◆	◆		◆	●	◆	◆	●	●	◆	●	◆			◆	◆	◆	◆
<i>praelongum</i> (Hedw.) Bruch & al.			◆	◆	◆		◆	●	◆	◆	●	●	◆	●	◆			◆	◆	◆	◆
<i>vac. stokesii</i> (Turner) Dixon	●	●		◆	◆	◆	◆	●	◆		●	●	◆	●	◆			◆	◆	◆	◆
<i>pulchellum</i> (Hedw.) Jenn.			◆	◆	◆		◆	●			●	●	◆	●	◆						◆
<i>vac. diversifolium</i> (Bruch & al.) C. E. O. Jensen			◆	◆	◆		◆				●	●	◆	●	◆						◆
<i>vac. praecox</i> (Hedw.) Dixon			◆	◆	◆		◆				●	●	◆	●	◆						◆
<i>pumilum</i> (Wilson) Schimp.			◆	◆	◆		◆	●			●	●	◆	●	◆				●	●	●
<i>schleicheri</i> (R. Hedw.) Jur.	●	●	◆	◆	◆		◆	●			●	●	◆	●	◆			◆	◆	◆	◆
<i>spectosum</i> (Brid.) Jur.					◆		◆	●		●	●	◆	●	◆					◆	◆	◆
<i>striatulum</i> (Spruce) Bruch & al.			●	●	●		◆	◆		●	●	◆	●	◆				◆	◆	◆	◆
<i>striatum</i> (Hedw.) Schimp.	◆	◆	●	●	●		◆	●	●	●	●	◆	◆	◆					◆	◆	◆
<i>Fabronia</i> Raddi (<i>Fabroniaceae</i>)																					
<i>ciliaris</i> (Brid.) Brid.	●	●	●	●	◆					◆	●	●	●	●	●	●		◆	●	●	●
<i>pusilla</i> Raddi		◆	●	●	◆		◆	●										◆	●	●	●
<i>Fissidens</i> Hedw. (<i>Fissidentaceae</i>)																					
<i>adiantoides</i> Hedw.	●	●	●	●	●		●	●		◆	●		◆	●			◆	◆	◆	◆	◆
<i>algarovicus</i> Solms										◆	●							◆	◆	◆	◆
<i>bryoides</i> Hedw.		●	●	●	●		◆	◆			◆	●	◆	◆				◆	◆	◆	◆

	AOS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>viridulum</i> Brid.		◆			◆		◆			◆				◆		◆		◆	◆	◆	◆
<i>Gymnusia</i> Schimp. (<i>Pottiaceae</i>)																					
<i>reflexa</i> (Brid.) Schimp.																					
<i>tenius</i> (Hedw.) Schimp.		◆	◆	◆	◆	◆		◆		◆	◆		◆	◆		◆	◆		◆	◆	◆
var. <i>badia</i> Limpt.			◆																		
<i>Huberodon</i> Schimp. (<i>Pterigynandraceae</i>)																					
<i>perpusillus</i> (De Not.) Lindb.		◆	◆	◆	◆	◆	◆			◆	◆	◆	◆	◆	◆	◆	◆		◆	◆	◆
<i>Hamatocaulis</i> L. (<i>Amblystegiaceae</i>)																					
vernicosus (Mitt.) Hedénäs	◆		◆	◆	◆	◆	◆	◆													
<i>Haplodactylum</i> (Müll. Hal.) Müll. Hal. (<i>Thuidiaceae</i>)																					
<i>angustifolium</i> (Hampe & Müll. Hal.) Broth.			◆	◆		◆															
<i>virginianum</i> (Brid.) Broth.	◆	◆	◆			◆															
<i>Haplolymentum</i> Dozy & Molk. (<i>Anomodontaceae</i>)																					
<i>triste</i> (Ces. ex De Not.) Kindb.		◆	◆	◆	◆		◆						◆								
<i>Hedwigia</i> P. Beauv. (<i>Hedwigiaceae</i>)																					
<i>cellata</i> (Hedw.) P. Beauv.	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆		◆	◆	◆	◆	◆	◆	◆	◆	◆
var. <i>leucophaea</i> Bruch & al.		◆	◆	◆	◆	◆	◆		◆	◆			◆	◆	◆	◆	◆	◆	◆	◆	◆
<i>integrifolia</i> P. Beauv. [48]			◆	◆	◆																
<i>stellata</i> Hedénäs										◆									◆	◆	◆
<i>Helicodontium</i> Schwägr. (<i>Myuriaceae</i>)																					
<i>italicum</i> (Schimp.) M. Fleisch. [49]									◆												
<i>Herzogella</i> Broth. (<i>Plagiothectaceae</i>)																					
<i>seligeri</i> (Brid.) Z. Iwats.		◆	◆	◆	◆	◆		◆		◆			◆	◆	◆						
<i>striatella</i> (Brid.) Z. Iwats.		◆	◆	◆	◆																
<i>Heterocladium</i> Bruch & al. (<i>Pterigynandraceae</i>)																					
<i>dimorphum</i> (Brid.) Bruch & al.	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆		◆	◆				◆	◆	◆	◆
<i>heteropterum</i> Bruch & al.	◆	◆	◆	◆	◆	◆	◆	◆		◆	◆		◆	◆							
<i>Heterophyllum</i> (Schimp.) Müll. Hal. ex Kindb. (<i>Sematophyllaceae</i>)																					
affine (Hook ex Kunth) M. Fleisch.	◆	◆		◆	◆	◆															
<i>Homalia</i> (Brid.) Bruch & al. (<i>Neckeraceae</i>)																					
besserii Lobatz	◆	◆	◆	◆	◆	◆				◆		◆	◆	◆	◆	◆			◆	◆	◆
<i>lusitanica</i> Schimp.			◆	◆	◆	◆	◆			◆	◆	◆	◆	◆	◆	◆			◆	◆	◆
<i>trichomanoides</i> (Hedw.) Bruch & al.		◆	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆	◆	◆			◆	◆	◆
<i>Homalothecium</i> Bruch & al. (<i>Brachythectaceae</i>)																					
aureum (Lag.) H. Rob.		◆							◆	◆			◆	◆				◆	◆	◆	◆

	AOS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>lutescens</i> (Hedw.) H. Rob.	●	●		◆	●	◆	●	●	◆		●	●		●	●	●	●	●	●	◆	●
var. <i>fallax</i> (H. Philib. ex Schimp.) Düll			◆	◆	◆	◆	◆		◆	◆	◆	●	◆	●	●	●	●	◆	◆	●	●
<i>philippenseum</i> (Spruce) Bruch & al.	●		◆	●	◆	●	◆	◆		◆	◆	●	●	●	●	●	●	◆	◆	●	●
<i>sericeum</i> (Hedw.) Bruch & al.	●	●	◆	●	●	●	●	●	◆		●	●	●	●	●	●	●	◆	◆	●	●
var. <i>meridionale</i> Schimp.		●	◆				●	●		●	●	●	●	●	●	●	●	◆	◆	●	◆
<i>Homomallidium</i> (Schimp.) Loeske (<i>Hypnaceae</i>)																					
<i>incurvatum</i> (Brid.) Loeske	●	●	●	●	◆	◆		◆					◆	●	●		◆				
<i>Hookeria</i> Sm. (<i>Hookeriaceae</i>)																					
<i>lucens</i> (Hedw.) Sm.		●	◆		◆	◆				●			◆				◆				
<i>Hydrogrimalia</i> (L. Hagen) Loeske (<i>Grimmiaceae</i>)																					
<i>mollis</i> (Bruch & Schimp.) Loeske	●	●	●	◆																	
<i>Hypnum</i> L. (<i>Hypnaceae</i>)																					
<i>amblystegioides</i> Loeske (<i>Amblystegiaceae</i>)																					
<i>fluviatile</i> (Hedw.) Loeske	●	●	◆	◆	◆	◆	◆	●		●	●	◆	◆	●		◆		◆		●	●
<i>tenax</i> (Hedw.) Jemm.	●																				
<i>Hypoglossum</i> Lindb. (<i>Amblystegiaceae</i>)																					
<i>alpestre</i> (Hedw.) Loeske	◆		◆	◆																	
<i>alpinum</i> (Lindb.) Loeske		◆		◆	◆																
<i>cochlearifolium</i> (Ventur.) Broth.	●	●	◆	◆	◆	◆	◆	◆		◆	◆			●	●						
<i>duriaculum</i> (De Not.) D. W. Jamieson	●	●	◆	◆	◆	◆	◆	●		◆	◆	◆	◆	●	●			◆	◆	●	◆
<i>luridum</i> (Hedw.) Jemm.	●	●	◆	◆	◆	◆	◆	●		◆	◆	◆	◆	●	●						
var. <i>subspica</i> (Turner ex Wilson) Loeske	◆	◆	◆	◆	◆	◆	◆														
<i>mollis</i> (Hedw.) Loeske		◆																			
var. <i>schimperianum</i> (Lorentz.) J. J. Amann			◆	◆																	
<i>ochraceum</i> (Turner ex Wilson) Loeske			◆	◆																	
<i>smithii</i> (Sw. ex Lilj.) Broth.		●	◆	●	●																
<i>Hylacomium</i> Bruch & al. (<i>Hypnaceae</i>)																					
<i>brevirostre</i> (Brid.) Bruch & al.		●	●	●	◆	◆	●		●	●	●		◆		●	◆	◆	◆			
<i>pyrenaicum</i> (Spruce) Lindb.			●	●	◆	◆	●	◆		●	●										
<i>splendens</i> (Hedw.) Bruch & al.	●	●	●	●	●	●	●	●		●	●	●	●	●			◆	◆		◆	◆
<i>umbra</i> (Hedw.) Bruch & al.		●	◆	●	◆								◆								
<i>Hymenosyllum</i> Brid. (<i>Pottiaceae</i>)																					
<i>recurvirostre</i> (Hedw.) Dixon	●	●	◆	●	●	●	◆	●		◆	●		●		●		●				●
var. <i>latifolium</i> (J. E. Zetterst.) Wijk & Margad.			◆				◆							●							
<i>Hyophila</i> Brid. (<i>Pottiaceae</i>)																					
<i>involuta</i> (Hook.) Jäggli			●				◆														
<i>Hypnum</i> Hedw. (<i>Hypnaceae</i>)																					
andot A. J. E. Sm.	●	●		●	◆			●		●							●		●	●	●
<i>bombergeri</i> Schimp.	◆	◆		◆	◆																

	AOS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>callichroum</i> Brid.	♦		♦			♦	♦	♦		♦			♦								
<i>cupressiforme</i> Hedw.	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦		♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
var. <i>filiforme</i> Brid.		♦	♦	♦	♦	♦	♦	♦		♦		♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
var. <i>subulaceum</i> Molendo	♦	♦	♦	♦	♦	♦	♦	♦		♦		♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
fertile Sendon.				♦																	
<i>hamulosum</i> Bruch & al.	♦		♦		♦																
<i>imponens</i> Hedw.		♦				♦		♦		♦			♦	♦	♦	♦					♦
<i>julandicum</i> Tolmen & E. Warnke	♦	♦	♦	♦	♦	♦	♦	♦		♦			♦	♦	♦	♦		♦	♦	♦	♦
<i>lacunosum</i> (Brid.) Hoffm. ex Brid.	♦	♦	♦	♦	♦	♦	♦	♦		♦			♦	♦	♦	♦		♦	♦	♦	♦
var. <i>lectorum</i> (Brid.) J.-P. Frahm	♦	♦	♦	♦	♦	♦	♦	♦		♦			♦	♦	♦	♦				♦	♦
<i>pallenscens</i> (Hedw.) P. Beauv.		♦	♦	♦	♦	♦															
<i>recurvatum</i> (Lindb. ex Arnell) Kindb. [50]	♦	♦	♦	♦	♦	♦	♦			♦											
<i>resupinatum</i> Taylor	♦	♦	♦	♦	♦	♦	♦	♦													
<i>revolutum</i> (Mitt.) Lindb.	♦	♦	♦	♦	♦	♦	♦	♦		♦											♦
var. <i>abomiticum</i> (Milde) Menk.		♦	♦	♦	♦	♦															
<i>sauteri</i> Schimp.			♦	♦	♦	♦															
<i>vaucheri</i> Lesq.	♦	♦	♦	♦	♦	♦		♦		♦										♦	♦
<i>Isoperigium</i> Z. Iwats. (<i>Plagiotheciaceae</i>)																					
<i>muelleriana</i> (Schimp.) Z. Iwats.	♦	♦	♦	♦	♦	♦				♦											♦
<i>pulchella</i> (Hedw.) Z. Iwats.	♦	♦	♦	♦	♦	♦															
var. <i>nitidula</i> (Wahlenb.) Broth.		♦	♦	♦	♦	♦															
<i>Isoperigium</i> Mitt. (<i>Plagiotheciaceae</i>)																					
<i>tenerum</i> (Sw.) Mitt.										♦						♦					
<i>Isotrichum</i> Brid. (<i>Brachytheciaceae</i>)																					
<i>alopeuroides</i> (Dubois) Isov.	♦	♦	♦	♦	♦	♦	♦	♦		♦			♦	♦	♦	♦		♦	♦	♦	♦
var. <i>robustum</i> (Bruch & al.) Dill		♦	♦	♦	♦	♦		♦		♦			♦	♦	♦	♦		♦	♦	♦	♦
<i>mysuroides</i> Brid.	♦	♦	♦	♦	♦	♦	♦	♦		♦			♦	♦	♦	♦			♦	♦	♦
<i>Kieria</i> J. Hagen (<i>Dicranaceae</i>)																					
<i>hyttii</i> (Bruch & al.) Broth.		♦	♦	♦	♦																
<i>falcata</i> (Hedw.) J. Hagen	♦	♦	♦	♦	♦	♦	♦														
<i>starkii</i> (Weber & D. Mohr) J. Hagen	♦	♦	♦	♦	♦	♦	♦	♦		♦			♦			♦			♦		
<i>Leptobarbula</i> Schimp. (<i>Pottiaceae</i>)																					
<i>berica</i> (De Not.) Schimp.		♦			♦		♦	♦		♦			♦			♦					♦
<i>Leptobryum</i> Wilson (<i>Bryaceae</i>)																					
<i>pyriforme</i> (Hedw.) Wilson	♦	♦	♦	♦	♦	♦	♦	♦		♦			♦			♦					♦
<i>Leptodictyum</i> (Bruch & al.) Warnst. (<i>Amblystegiaceae</i>)																					
<i>humile</i> (P. Beauv.) Ochyra	♦	♦	♦	♦	♦	♦	♦	♦		♦			♦	♦	♦	♦				♦	♦
<i>riparium</i> (Hedw.) Warnst.	♦	♦	♦	♦	♦	♦	♦	♦		♦			♦	♦	♦	♦				♦	♦

	AOS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>Leptodon</i> Moit. (<i>Neckeraceae</i>)																					
<i>smithii</i> (Hedw.) Weber & D. Mohr	●	●	●	●	●	●	●	◆		●	●	●	●	●		●	●		●	●	●
<i>Leptodontium</i> (Müll. Hal.) Hampe ex Lindb. (<i>Pottiaceae</i>)						◆															
<i>styriacum</i> (Jur.) Limpr. [51]																					
<i>Leucuraea</i> Bruch & al. (<i>Leskeaceae</i>)																					
<i>mutabilis</i> (Brid.) Lindb. ex f. Hagen	●	●	●	●	◆	◆	◆	●	●	◆					◆					●	◆
<i>varicicola</i> (Bruch & al.) Milde	●	●	●	●	◆		◆	◆		●											◆
<i>Leskea</i> Hedw. (<i>Leskeaceae</i>)																					
<i>polycarpa</i> Hedw.	◆	●	●	●	◆	●		●	◆	●	◆	●	●	●	●		◆			◆	●
<i>Leucobryum</i> Hampe (<i>Dicranaceae</i>)																					
<i>glazum</i> (Hedw.) Ängstr.	●	●	●	●	◆	●	●	●		●	●	◆			◆				◆		●
<i>juniperoides</i> (Brid.) Müll. Hal.		●	●			●															
<i>Leucodon</i> Schwägr. (<i>Leucodontaceae</i>)																					
<i>sciuroides</i> (Hedw.) Schwägr.	●	●	●	●	◆	◆	◆	◆	◆	●	●	●	●	●	●	◆	◆	◆	◆	●	●
<i>var. morensis</i> (Schwägr.) De Not.	◆	●	◆	●	◆		◆	●	◆	●	◆	◆	●	●	●	◆	◆	◆	◆	●	●
<i>Meesia</i> Hedw. (<i>Meesiaceae</i>)																					
<i>longisetia</i> Hedw.		◆	◆	◆																	
<i>triquetra</i> (Richter) Ängstr.		◆	●	●	●			◆								◆					
<i>uliginosa</i> Hedw.	●	●	●	●	◆	◆						◆		●							
<i>var. alpina</i> (Funck ex Bruch) Hampe	●	●	◆	◆	◆	◆															
<i>Menackera</i> Steers (<i>Neckeraceae</i>)														●	●	●			◆	●	●
<i>menziesii</i> (Drumm.) Steere	●		◆																		
<i>Mielichhoferia</i> Hornsch. (<i>Bryaceae</i>)																					
<i>mielichhoferiana</i> (Funck) Loeske	●	●	◆	●				◆		●											●
<i>var. elongata</i> (Hoppe & Hornsch.) Wijk & Margad.	●	●	◆	●		◆							●								
<i>Mnium</i> Hedw. (<i>Mniaceae</i>)																					
<i>ambiguum</i> H. Müll.	●	●	●	●	◆	◆		◆		◆		◆	◆	●	●				◆	●	●
<i>hornum</i> Hedw.	◆	●	●	◆	●	●	●	◆	◆	●	●	◆	◆	●	●				●	●	●
<i>marginalatum</i> (Dicks.) P. Beauv.		●	●	◆	●	●	●	◆	◆	●	●	◆	◆	●	●	●					
<i>var. dioicum</i> (H. Müll.) Grundw.	◆	●	●	◆	◆	◆				◆			●	●	●				◆		
<i>spinulosum</i> (Voit) Schwägr.	●	●	●	●	●	◆					●		●	●							
<i>spinulosum</i> Bruch & al.	●	●	◆	●	●																
<i>stellare</i> Hedw.	●	●	◆	◆	◆	◆		●	●	●	●	●	●	●	●	●	●		◆		◆
<i>thomsonii</i> Schimp.	●	●	◆	●	●	●							●	●	●						
<i>Myrnia</i> Schimp. (<i>Myriniaceae</i>)																					
<i>pulvinata</i> (Wahlenb.) Schimp. [52]			◆																		

	AOS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>philiberti</i> Venturi			◆					●			●		◆				◆			◆	●
<i>pulchellum</i> Brunt. [57]																					●
<i>pumilum</i> Sw.	●	●	◆	●	◆	◆		●		●	●		●	●		●	◆		●	◆	●
<i>rogeri</i> Brid.		●	◆	●	◆	◆	◆	◆		●	●		●		●				●	●	●
<i>rupesire</i> Schlecht. ex Schwägr.		●		●					◆	◆			●						●	●	●
<i>scanicum</i> Grönvall				◆				◆	◆	◆	◆		●	◆	●	◆		◆		●	●
<i>schimperii</i> Hammar [58]		●	◆	◆	◆	◆		◆					●	◆	●	◆		◆	◆	●	●
<i>shawii</i> Wilson in Schimp. [59]								◆					●		●	◆		◆	◆	●	●
<i>speciosum</i> Nees in Sturm.	●	◆	◆	◆	◆	◆		◆	◆	◆	●		◆	◆					◆	●	●
<i>stellatum</i> Brid.		●	◆	◆						●			◆						◆	●	●
<i>stramineum</i> Hornsch. ex Brid.		●	◆	◆	◆	◆	◆	◆	◆	◆	●	●	◆	●	●	◆	●	◆		●	●
<i>striatum</i> Hedw.		●	◆	◆	◆	◆	◆	◆			●	●	◆	●	●	◆	●	◆	◆	●	●
<i>tenuillum</i> Bruch ex Brid.		●	◆	◆	◆	◆	◆	◆	◆	◆	●		◆	●			●	◆	◆	●	●
<i>urnigerum</i> Myrin	●	●	◆	◆			◆					●	●	◆	●	◆					
<i>Oxyptegus</i> (Limpr.) Hilp. (<i>Pottiaceae</i>)																					●
<i>tenuirostris</i> (Hook. & Taylor) A. J. E. Sm.		●	◆	●				●								●			◆	◆	●
<i>Paludella</i> Brid. (<i>Mesitaceae</i>)																					
<i>squarrosa</i> (Hedw.) Brid.		◆	●	●																	
<i>Palustricella</i> Ochrya (<i>Amblystegiaceae</i>)																					
<i>commutata</i> (Hedw.) Ochrya	●	●	◆	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●
<i>decipiens</i> (De Not.) Ochrya [60]	●	●	◆	●	●	●	◆	●	◆	◆	●		●	●	●	●		◆	●	◆	●
<i>falcata</i> (Brid.) Hedénäs		●	◆	●	●	●	◆	●					●	●	●	●			●	◆	●
<i>Paraleucobryum</i> (Lindb.) Loeske (<i>Dicranaceae</i>)																					
<i>enerve</i> (Thed.) Loeske		●	◆	●	◆	◆							◆								
<i>longifolium</i> (Hedw.) Loeske	●	●	◆	●	◆	◆	◆	◆	◆	◆	●		◆								
var. <i>subalpinum</i> (Milde) Desmaret [61]									◆	◆						◆					
<i>sauteri</i> (Schimp.) Loeske	●	◆		●	◆	●	◆			◆											
<i>Phascum</i> L. ex Hedw. (<i>Pottiaceae</i>)																					
<i>curvicolle</i> Hedw.		◆	◆							◆	◆		◆			◆	◆	◆	◆	◆	◆
<i>cuspidatum</i> Hedw. [62]		●	◆	●	◆		◆	●	◆	◆	●		●	●		◆	◆	◆	◆	◆	◆
var. <i>piliferum</i> (Hedw.) Hook & Taylor	●	◆	◆	●	◆			◆	◆	◆			●	●		◆	◆	◆	◆	◆	◆
var. <i>floorkeanum</i> Weber & D. Mohr		◆	◆			◆							◆								●
<i>Philonotis</i> Brid. (<i>Barroniaceae</i>)																					
<i>arnellii</i> Hush.		●	◆	●						●	●	●	●	●	●				●	●	●
<i>caespitosa</i> Jur.			◆	◆		◆		●	●	●	●	●	●	●	●				●	●	◆
<i>calcareia</i> (Bruch & Schimp.) Schimp.	●	●	◆	●	●	●	●	●	●	●	●		●	●	●			●	●	◆	◆
<i>fontana</i> (Hedw.) Brid.	●	●	◆	●	◆	●	◆	●	●	●	◆		●	●	●	◆			●	●	●
<i>marchica</i> (Hedw.) Brid.	◆	●	◆	●	◆	◆	◆	◆	◆	◆		◆	●	●	●	◆			●	●	●
<i>rigida</i> Brid.			◆	●	◆	◆	◆	◆											●	●	●
<i>seriata</i> Mitt.	●	●	◆	●	◆	◆	◆	◆	◆	◆									●	●	●
<i>tomentella</i> Molendo	●	●	◆	●	◆	◆	◆	◆	◆	◆				●		●			●	●	●

	AOS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>Schimper Hammar</i> [58]		•	•	•	•	•		•		•	•		•	•	•	•	•	•	•	•	•
<i>shawii</i> Wilson in Schimp. [59]								•										•			
<i>spectosum</i> Nees in Sturm.	•	•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>stellatum</i> Brid.		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>stramineum</i> Hornsch. ex Brid.		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>strictum</i> Hedw.		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>tenellum</i> Bruch ex Brid.		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>urnigerum</i> Myrin	•	•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>Orthotrichum</i> Bruch & al. (<i>Ulymnaceae</i>)																					
<i>chryseon</i> (Schwägr. ex Schult.) Bruch & al.		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>intricatum</i> (C. Hartm.) Bruch & al.	•	•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>rufescens</i> (Brid.) Bruch & al.		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>strictum</i> Lorentz	•	•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>Oxytropis</i> (Limpot.) Hilp. (<i>Pottiaceae</i>)																					
<i>temuistris</i> (Hook. & Taylor) A. J. E. Sm.		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>Paludella</i> Brid. (<i>Meseliaceae</i>)																					
<i>squarrosa</i> (Hedw.) Brid.		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>Palustricola</i> Ochrya (<i>Imbryatiaceae</i>)																					
<i>commutata</i> (Hedw.) Ochrya	•	•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>decipiens</i> (De Not.) Ochrya [60]	•	•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>falcata</i> (Brid.) Hedonäs	•	•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>Paraleucobryum</i> (Lindb.) Loeske (<i>Dicranaceae</i>)																					
<i>enerve</i> (Thed.) Loeske		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>longifolium</i> (Hedw.) Loeske		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>var. subulpinum</i> (Milde) Demare [61]	•	•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>sauteri</i> (Schimp.) Loeske	•	•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>Phacum</i> L. ex Hedw. (<i>Pottiaceae</i>)																					
<i>cariculae</i> Hedw.		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>cuspidatum</i> Hedw. [62]		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>var. piliferum</i> (Hedw.) Hook & Taylor	•	•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>floerkeanum</i> Weber & D. Mohr		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>Ptilonotis</i> Brid. (<i>Bartramaceae</i>)																					
<i>arnellii</i> Hust.		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>caespitosa</i> Jur.		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>calcareo</i> (Bruch & Schimp.) Schimp.	•	•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>fontana</i> (Hedw.) Brid.	•	•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>marchica</i> (Hedw.) Brid.	•	•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>rigida</i> Brid.		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>seriata</i> Mitt.		•	•	•	•	•		•		•	•		•	•	•	•		•	•		•
<i>lomentella</i> Molendo	•	•	•	•	•	•		•		•	•		•	•	•	•		•	•		•

	ACS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>Pleuridium</i> Rabenh. (<i>Ditrichaceae</i>)																					
<i>acuminatum</i> Lindb.		◆	●	●	◆		◆			◆	◆	●	◆				◆		●	●	●
<i>subulatum</i> (Hedw.) Lindb.		●	◆	●	◆		◆			●	◆	●	◆						◆	●	●
<i>Pleurochaete</i> Lindb. (<i>Pottiaceae</i>)																					
<i>squarrosa</i> (Brid.) Lindb.	◆	●	●	●	●	●		●	◆			●	●	●	◆		●	◆	●		●
<i>Pleurozium</i> Mitt. (<i>Enodiaceae</i>)																					
<i>schreberi</i> (Brid.) Mitt.	●	●	●	●	●	●	●	◆		●	●	●	◆	●		◆					
<i>Pogonatum</i> P. Beauv. (<i>Polytrichaceae</i>)																					
<i>aloides</i> (Hedw.) P. Beauv.	●	●	●	●	◆	●	◆	●		●	●	●	●	●		◆	◆	◆	●	●	●
var. <i>minimum</i> (Crome) Mol.																			●	●	●
var. <i>obtusifolium</i> J. J. Ananin			◆	◆																	
<i>nanum</i> (Hedw.) P. Beauv.		●	●	◆	●	◆	◆	◆	◆	●		●	●			●		●	●	◆	◆
var. <i>longisetum</i> (Hampe) Bruch & al.							◆				●		◆	●	◆	◆			●	●	●
<i>urnigerum</i> P. Beauv.	●	●	●	●	●	●	●	●			●		◆	●	◆				●	●	●
<i>Pohlia</i> Hedw. (<i>Bryaceae</i>)																					
<i>ambigua</i> (Limpr.) Broth. [63]				◆																	
<i>andalusica</i> (Hölm.) Broth.	●	●											●	●	●						
<i>andrewsii</i> A. J. Shaw [64]	●																				
<i>arostoma</i> (Hedw.) Lindb.	●	●	●	◆	◆			◆		◆			◆							◆	◆
<i>arropurpurea</i> (Wahlenb.) Lindb.			◆	◆	◆					●									◆	◆	◆
<i>bulbifera</i> (Wärnst.) Wärnst.			◆																		
<i>cruda</i> (Hedw.) Lindb.	●	●	●	●	●	●	●	●		●		◆	●	●	●				●	●	●
<i>drummondii</i> (Müll. Hal.) A. L. Andrews	●	●	●	●	◆	◆		●	◆	◆											
<i>elongata</i> Hedw.		●	●	●	●	◆		●		●			●	●		◆		●			●
var. <i>acuminata</i> (Hoppe & Hornsch.) Huebener	◆	●	◆	◆	◆	◆															
var. <i>polymorpha</i> (Hoppe & Hornsch.) Nyholm			◆	◆	◆	◆		◆	◆	◆									◆		
<i>flum</i> (Schimp.) Müll.	●	◆	◆	◆	◆			◆	◆												
<i>lescuriana</i> (Sull.) Grout			◆	◆	◆					●			●			◆					
<i>longicollis</i> (Hedw.) Lindb.	●	●	●	●	◆	◆															
<i>ludwigii</i> (Speng.) Broth.	●		●	●	◆			●						●							
<i>lutescens</i> (Limpr.) Lindb.				◆					◆												●
<i>melanodon</i> (Brid.) A. J. Shaw		◆	●	●	◆		◆	◆	◆		●		●		◆	◆	◆	◆	◆	◆	◆
<i>niuians</i> (Hedw.) Lindb.	●	●	●	●	●	◆		◆	◆		●		◆								●
<i>obusifolia</i> (Brid.) L. F. Koch	●	◆	●	●	●																●
<i>proliger</i> (Lindb. ex Breidl.) Lindb. ex Arnell	●	●	●	◆	◆													●			
<i>sphagnicola</i> (Bruch & al.) Broth. [65]																					
<i>vevians</i> (Limpr.) H. Lindb.			◆	◆																	
<i>wahlenbergii</i> (Weber & D. Mohr) A. L. Andrews	●	●	●	●	●	●	◆	●	●	●	●	●	●	●				◆	●	●	●
var. <i>calcareum</i> (Wärnst.) E. F. Warb.			●	◆	◆																●
var. <i>glacialis</i> (Brid.) E. F. Warb.	◆		◆	◆	◆	◆			◆												
<i>Polytrichastrum</i> G. L. Smith (<i>Polytrichaceae</i>)																					
<i>alpinum</i> (Hedw.) G. L. Smith	●	●	●	●	◆	◆	◆	●		●	●	◆	●	●	●	●			◆	●	◆

	AOS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>Pseudoleskea</i> Bruch & al. (<i>Leskeaceae</i>)																					
<i>artariae</i> Thér. [68]			●	●																	
<i>incurvata</i> (Hedw.) Loeske	●	●	●	●	●	●	◆	●		◆	●	◆	●	●	●	●	●	◆	●	◆	●
<i>patens</i> (Lindb.) Kindb.	●	●	◆	◆				◆	◆	◆	◆				●						●
<i>radicosa</i> (Mitt.) Mönk.			◆	◆	◆	◆								●		◆					
<i>savianae</i> (De Not.) Latzei																					
<i>Pseudoleskeella</i> Kindb. (<i>Leskeaceae</i>)																					
<i>catemilata</i> (Brid. ex Schrad.) Kindb.	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	◆				
<i>nervosa</i> (Brid.) Nyholm	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●					●
<i>tectorum</i> (Brid.) Kindb. ex Broth.		●	◆	◆	◆			●													
<i>Pseudoxiphophyllum</i> Z. Iwats. (<i>Plagiotheciaceae</i>)																					
<i>elegans</i> (Brid.) Z. Iwats.	●	●	●	●					●				●					●			●
<i>Pterigynandrium</i> Hedw. (<i>Pterigynandraceae</i>)																					
<i>filiforme</i> Hedw.	●	●	●	●	●	●	●	●		●	●	●	●	●		●	◆		●	●	●
var. <i>majus</i> (De Not.) De Not.	●	◆	◆	◆	◆	◆	◆		◆	◆						◆			●	◆	◆
<i>Pterogonium</i> Sw. (<i>Leucodontaceae</i>)																					
<i>gracile</i> (Hedw.) Sm.	●	●	●	●	●	●	◆	●	●	●	●	●	●	◆		●	◆	◆			●
<i>Pterigoneurum</i> Jur. (<i>Pottiaceae</i>)																					
<i>lanellatum</i> (Lindb.) Jur.		●	◆	◆	●			◆													●
<i>ovatum</i> (Hedw.) Dixon	◆	◆	●	◆	◆		◆	◆	◆				●			◆		◆			●
<i>subsessile</i> (Brid.) Jur.			◆	◆																	●
<i>Ptilium</i> De Not. (<i>Hypnaceae</i>)																					
<i>crista-castrensis</i> (Hedw.) De Not.	◆	◆	●	●	◆	◆			●			◆	◆			◆		◆			
<i>Ptychodium</i> Schimp. (<i>Leskeaceae</i>)																					
<i>plicatum</i> (Weber & D. Mohr) Schimp.	●	●	●	●	●	◆		◆	◆	●			●	●	●		◆				
<i>Ptychomitrium</i> Fumt. (<i>Physcomitriaceae</i>)																					
<i>incurvum</i> (Schwägr.) Spruce		◆	◆																		
<i>nigrescens</i> (Kunze) Wijk. & Margad. [69]		●	●	●	◆		◆			●			●	●	●	●	◆				◆
<i>polyphyllum</i> (Sw.) Bruch & Schimp.		●	●	●	●					●			●	●	●	●					
<i>Pylaisia</i> Schimp. (<i>Hypnaceae</i>)																					
<i>polyantha</i> (Hedw.) Schimp.	◆	●	●	●	◆	●	◆	●	●	●	●		●	●	●	◆		●			●

	AOS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>aquatium</i> (Schrad.) Brid.	•	•	•	•	•	•	•	•		•			•						•	•	
<i>canescens</i> (Hedw.) Brid.		•	•	•	•	•	•	•			•	•	•			•		•	•	•	•
<i>elongatum</i> (Hörth.) ex Frisvoll		•	•	•						•			•								
<i>ericoides</i> (Weber ex Brid.) Brid.		•	•	•	•	•	•	•		•			•						•	•	•
<i>fasciculare</i> (Hedw.) Brid.	•	•	•	•	•	•	•	•					•						•	•	•
<i>heterostichum</i> (Hedw.) Brid.		•	•	•	•	•	•	•					•						•	•	•
<i>lanuginosum</i> (Hedw.) Brid.	•	•	•	•	•	•	•	•					•						•	•	•
<i>macounii</i> Kindb. ex Kindb. ssp. <i>alpinum</i> (Lawt.) Frisvoll		•	•	•						•											
<i>macounii</i> Kindb. ex Kindb. ssp. <i>macounii</i>		•	•	•																	
<i>microcarpon</i> (Hedw.) Brid.		•	•	•	•	•	•	•													
<i>obtusum</i> (Brid.) Brid.		•	•	•	•	•	•	•													
<i>sudeticum</i> (Funck) Bruch & Schimp.	•	•	•	•	•	•	•	•		•			•						•		
<i>Rhodonolepis</i> Bruch & al. (<i>Dicranaceae</i>)																					
<i>crispata</i> (Dicks.) Lindb.		•	•	•																	
<i>lugus</i> (Hedw.) Bruch & al.	•	•	•	•						•			•							•	•
<i>Rhacomnium</i> (Roth.) T. J. Kop. (<i>Cinclidiaceae</i>)																					
<i>magdalenae</i> (Hörth.) T. J. Kop.	•	•	•	•	•	•															
<i>pseudopunctatum</i> (Bruch & Schimp.) T. J. Kop.	•	•	•	•	•	•															
<i>punctatum</i> (Hedw.) T. J. Kop.	•	•	•	•	•	•	•	•		•		•	•					•	•	•	•
<i>Rhodobryum</i> (Schimp.) Limpr. (<i>Rhodobryaceae</i>)																					
<i>roseum</i> (Hedw.) Limpr.	•	•	•	•	•	•				•			•								
<i>spatulatum</i> (Hornsch.) Pöcs				•	•	•							•								
<i>Rhynchostegiella</i> (Bruch & al.) Limpr. (<i>Brachytheciaceae</i>)																					
<i>curviseta</i> (Brid.) Lindb.		•	•	•	•	•	•	•					•						•	•	•
<i>duriei</i> (Mont.) W. Allorge & J. Perss.				•						•			•						•	•	•
<i>jacquini</i> (Garov.) Limpr.			•			•							•						•	•	•
<i>litorea</i> (De Not.) Limpr.							•			•			•						•	•	•
<i>tesdalei</i> (Bruch & al.) Limpr.		•	•	•	•	•	•	•		•		•	•					•	•	•	•
<i>tenella</i> (Dicks.) Limpr.	•	•	•	•	•	•	•	•		•		•	•					•	•	•	•
<i>tenicoides</i> (Spruce) Kartt.		•	•	•									•						•	•	•
<i>Rhynchostegium</i> Bruch & al. (<i>Brachytheciaceae</i>)																					
<i>confertum</i> (Dicks.) Bruch & al.	•	•	•	•	•	•	•	•		•			•						•	•	•
<i>megapolitanum</i> (Weber & D. Mohr) Bruch & al.	•	•	•	•	•	•	•	•		•			•						•	•	•
var. <i>meridionale</i> Schimp.			•		•								•						•	•	•
<i>murale</i> (Hedw.) Bruch & al.	•	•	•	•	•	•	•	•		•			•						•	•	•
<i>riparioides</i> (Hedw.) C. E. O. Jensen	•	•	•	•	•	•	•	•		•			•						•	•	•
<i>rotundifolium</i> (Brid.) Bruch & al.		•	•	•	•	•	•	•		•			•						•	•	•
<i>strongilense</i> (Bott.) Buck & Privitera			•	•		•							•								
<i>Rhytidadelphus</i> (Limpr.) Warnst. (<i>Hypnaceae</i>)																					
<i>lureus</i> (Hedw.) Warnst.	•	•	•	•	•	•	•	•		•			•								
<i>squarrosus</i> (Hedw.) Warnst.	•	•	•	•	•	•	•	•		•			•							•	•

[illegible]

	AQS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>squarrosus</i> Cromie	•	•	•	•	•	•	•	•	•	•								♦			
<i>subsecundum</i> Nees ex Sturm	•	•	•	•	•	•	•	•	•	•		•							•		•
var. <i>contortum</i> (Schultz) Huebener		♦	•	•	•	♦	•	•	•	•									•		•
var. <i>inundatum</i> (Russow) C.E.O. Jensen		•	•	•	•	•	♦												•		•
var. <i>platyphyllum</i> (Lindb. ex Braithw.) Cardot		•	•	•	•	♦		♦				•							•		•
var. <i>reflexens</i> (Nees & Hornsch.) Huebener			•	•	•	•	♦	♦									♦		•		•
var. <i>subnitens</i> Russow & Warnst.		•	•	•	•	•			•	•											
var. <i>tenellum</i> (Brid.) Bory		•	•	•	•	•															
var. <i>terres</i> (Schimp.) Angstr.	•	•	•	•	♦	♦	•	•	•	•											
var. <i>warnstorffii</i> Russow	•	•	•	•	•	♦															
<i>Splachnum</i> Hedw. (<i>Splachnaceae</i>)																					
var. <i>ampullaceum</i> Hedw.		♦	♦	♦	♦	♦		♦													
var. <i>sphaeriticum</i> Hedw.	♦	•	♦	♦	♦																
var. <i>vasculosum</i> Hedw. [77]																					
<i>Stegonia</i> Venturi (<i>Pottiaceae</i>)																					
var. <i>latifolia</i> (Schwägr.) Venturi ex Broth.	•	♦	•	♦	♦	♦															
var. <i>pilifera</i> (Brid.) Broth.			♦	•	♦	♦															
<i>Stramineogon</i> Hedenäs (<i>Amblystegiaceae</i>)																					
var. <i>stramineum</i> (Brid.) Hedenäs	•	•	•	•	•	•		•		•											
<i>Syntrichia</i> Brid. (<i>Grimmiaceae</i>)																					
var. <i>bolanderi</i> (Lesq. & James) R. H. Zander [78]	•	•	•	•	•	•								•						•	•
var. <i>caninervis</i> Mitt. var. <i>spuria</i> (Amann) R. H. Zander	•	•	•	•	•	•															
var. <i>fragilis</i> (Taylor) Ochyra		•		•	♦																
var. <i>handellii</i> Schiffn. [79]																					
var. <i>inermis</i> (Brid.) Bouch			♦	•	•	♦		•	♦	♦			♦	♦		•	•	♦	♦	♦	♦
var. <i>intermedia</i> Brid.	•	•	•	•	•	•		•	♦	♦		•	♦	♦		•	•	♦	♦	♦	♦
var. <i>laevipila</i> Brid.			♦	•	♦	♦		•	♦	♦		♦	♦	♦		♦	♦	♦	♦	♦	♦
var. <i>laevipiliformis</i> (De Not.) Limpr.			♦	•	♦	♦		♦	♦	♦		♦	♦	♦		♦	♦	♦	♦	♦	♦
var. <i>latifolia</i> (Bouch ex Hartm.) Huebener	•	♦	•	•	♦	♦		♦	♦	♦		♦	♦	♦		♦	♦	♦	♦	♦	♦
var. <i>norvegica</i> Web.		♦	•	•	♦	♦		♦	♦	♦		♦	♦	♦		♦	♦	♦	♦	♦	♦
var. <i>papillosa</i> (Wilson) Tur		♦	•	•	♦	♦		♦	♦	♦		♦	♦	♦		♦	♦	♦	♦	♦	♦
var. <i>principes</i> (De Not.) Mitt.		•					♦	•	♦	♦		♦	♦	♦		♦	♦	♦	♦	♦	♦
var. <i>ruraliformis</i> (Besch.) Cardot			♦	♦	♦	♦		•	♦	♦		♦	♦	♦		♦	♦	♦	♦	♦	♦
var. <i>ruralis</i> (Hedw.) Web. & D. Mohr ssp. <i>venturi</i> (W. A. Kame			♦					•	♦	♦		♦	♦	♦		♦	♦	♦	♦	♦	♦
var. <i>ruralis</i> (Hedw.) Web. & D. Mohr ssp. <i>ruralis</i>	•	♦	♦	♦	♦	♦		•	♦	♦		♦	♦	♦		♦	♦	♦	♦	♦	♦
var. <i>stenosis</i> (Taylor) Ochyra	♦	♦	♦	♦	♦	♦		•	♦	♦		♦	♦	♦		♦	♦	♦	♦	♦	♦
var. <i>viridescens</i> (De Not.) Ochyra	•	•	•	•	•	♦						•	•	•		♦			•	•	•
<i>Tayloria</i> Hook. (<i>Splachnaceae</i>)																					
var. <i>acuminata</i> Hornsch.			♦	♦	♦																
var. <i>pellicliana</i> (Hedw.) Mitt. ex Broth.	•	•	♦	♦	♦																

	AOS	PIE	LOM	TRA	VEN	FRV	LIG	EMR	SMR	TOS	MAR	UMB	LAZ	ABR	MOL	CAM	PUG	BAS	CAL	SAR	SIC
<i>fragilis</i> (Drum.) Limpr.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					•
<i>humilis</i> (Hedw.) Lenn.			•	•	•	•		•	•		•	•	•	•	•	•	•	•	•	•	•
<i>inclinata</i> (R. Hedw.) Limpr.	•		•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•
<i>inflexa</i> (Bruch.) Broth.				•																	
<i>nitida</i> (Lindb.) Broth.	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<i>tortuosa</i> (Hedw.) Limpr.		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
var. <i>humbertieri</i> (Jur.) Limpr.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
var. <i>fragilifolia</i> (Jur.) Limpr.		•	•	•	•	•				•		•	•	•	•	•	•	•	•	•	•
<i>Tortula</i> Hedw. (<i>Portiaceae</i>)																					
<i>atrovirens</i> (Sm.) Lindb.	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•
<i>brevissima</i> Schiffn. [80]																					
<i>canescens</i> Mont.		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<i>cuneifolia</i> (Dicks.) Turner		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<i>frithergii</i> Dixon & Looske		•	•	•	•	•	•	•	•	•					•	•	•	•	•	•	•
<i>israelis</i> Bizot & F. Bilewsky										•	•	•	•	•	•	•	•	•	•	•	•
<i>marginata</i> (Bruch. & Schimp.) Spruce		•	•				•			•	•	•	•	•	•	•	•	•	•	•	•
<i>micromorpha</i> Schwägr.																					
<i>muraltis</i> Hedw.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
var. <i>aesiva</i> Hedw.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
var. <i>abcondita</i> (Schimp.) Limpr.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<i>obtusifolia</i> (Schwägr.) Mathieu	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<i>revolvens</i> (Schimp.) G. Roth	•	•	•				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
var. <i>obtusata</i> Reitm.								•	•	•											
<i>solmesii</i> (Schimp.) Limpr.																					
<i>subulata</i> Hedw.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
var. <i>angustata</i> (Schimp.) Limpr.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
var. <i>graeffii</i> Warnst.				•	•	•	•	•	•	•											
var. <i>subinermis</i> Schwägr.			•	•	•					•						•	•		•	•	•
<i>vahlana</i> (Schultz) Mont.								•	•	•			•	•				•	•	•	•
<i>Trematodon</i> Michx. (<i>Bruchiaceae</i>)																					
<i>ambiguus</i> (Hedw.) Hornsch.		•	•	•			•														
<i>brevicollis</i> Hornsch.	•	•		•												•					•
<i>longicollis</i> Michx.																					
<i>Trichostomopsis</i> Cardot (<i>Portiaceae</i>)																					
<i>aaronis</i> (Lor.) Agnew & Townsend																					
<i>australasiae</i> (Hook. & Grex.) Robins																					
<i>umbrosa</i> (Müll. Hal.) Robins [81]																					
<i>Trichostomum</i> Bruch (<i>Portiaceae</i>)																					
<i>brachydontium</i> Bruch		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
var. <i>caespitatum</i> (Braithw.) Sav.		•	•	•			•			•										•	•
var. <i>dasum</i> (Bruch. & al.) Dill										•										•	•
var. <i>litoreale</i> (Mitt.) C. E. O. Jensen			•		•					•	•	•	•	•	•	•			•	•	•
<i>crispulum</i> Bruch																					
var. <i>brevifolium</i> (Müll. Hal.) Bruch & Schimp.	•	•	•	•						•	•	•	•	•	•	•	•	•	•	•	•

Notes

- 1 - Only reported [sub *Phascum bulbosum* var. *piligerum*] by De Notaris (1838) near Cagliari.
- 2 - Only reported near Cagliari (De Notaris, 1838).
- 3 - The report by Sauter (1853) concerning its occurrence in Trentino-Alto Adige is considered uncertain, as the herbarium specimen has not been found yet.
- 4 - Only reported on the Tisa Mountain (2650 m), in the Passirio Alps (Porley, 1999).
- 5 - The report by Brizi (1897-1898) is very vague as he mentions the occurrence of this species in the mountain areas of the Lazio Region without referring to any precise locality.
- 6 - Only reported at Sasso Lungo in the Gardena Valley (Holler, 1906).
- 7 - Only reported at Pessé and Machaby (Capra, 1905).
- 8 - As the intraspecific variability seems to depend on the higher or lower moisture and shadiness of the habitat, the variety *elongata* has a doubtful systematic distinctiveness.
- 9 - The report by Dia & al. (1987) concerning its occurrence in Sicilia is erroneously based on the paper of Zodda (1913) [sub *B. rutabulum* var. *plumulosum*].
- 10 - Only reported [sub *B. tromsoeense*] by Kern (1913) at the Grosté Pass.
- 11 - The report of its occurrence [sub *Drepanium pratense* (Koch) Roth.] on floating grounds of the Posta Lake by Zodda (1909), not being supported by herbarium specimens, is to be considered as uncertain.
- 12 - Only reported [sub *B. trobasiana*] by De Notaris (1865-1867) near Trobaso in Intrasca Valley.
- 13 - Formerly assigned to excluded taxa (Cortini Pedrotti, 1992), its occurrence at Vallone di Arnas (1425-1500 m a.s.l.) has been confirmed by Blockeel & al. (1999).
- 14 - Only reported on the northern slope of the Gaviola Mountain (Gavia Pass) at about 2700 m a.s.l. (Giacomini, 1938 b).
- 15 - In many reports, the of species belonging to the *B. erythrocarpum* complex have been erroneously assigned to *B. blindii*, which in turn occurs only in few Italian regions (AOS, PIE, LOM, TRA, FRV).
- 16 - This taxon consists probably of a heterogeneous group of taxa, which are treated as distinct species (*B. comense* and *B. kunzei*), varieties (var. *badium*) or synonyms. Until the systematic rank of these taxa will be clarified, only *B. caespitium* has been considered here.
- 17 - Only reported by Lo Giudice (1966) in Contrada Arcia (240 m a.s.l.) and Piano Stravolata (230 m a.s.l.) near Niscemi (Caltanissetta).
- 18 - Only reported at Guspini (Cagliari) on wet rocks (Giacomini, 1938 a).
- 19 - Because of the great intraspecific variability in terms of fitness and habitus, many forms and varieties have been reported in Italy. The only taxon systematically distinguishable is var. *bimum*.
- 20 - Only collected by Rota from the city ramparts of Bergamo and reported by De Notaris (1869).
- 21 - Only reported on moist sandlands, close to the permanent snow cover of the Azzarini and Pìsgana mountains (De Notaris, 1869). However, in the absence of any herbarium specimen, the taxonomic identification is unreliable by reference to the previously mentioned site conditions, which do not match the ecological preferences of this species.
- 22 - Only reported [sub *C. sommieri*] by Bottini (1907) on the Pantelleria Island.
- 23 - Formerly considered as a synonym of *Campylium calcareum* (Cortini Pedrotti, 1992), it is now indicated as a distinct species. The know distribution of this species may change a lot after the revision of all herbarium specimens.
- 24 - Only reported near Chiapuzza (the Belluno Province) along the Musigo River at 975 m a.s.l. (Zodda, 1907).
- 25 - This is a polymorphic species for which many varieties and forms have been described. Only the var. *rotundifolius* can be considered taxonomically valid.
- 26 - Only reported at Ponte Palatino (Rome) along the Tiber River (Philippi, 1967).
- 27 - Erroneously reported in Sardegna instead of Calabria (Cortini Pedrotti, 1992).

- 28 - Only reported on the Aspromonte Massif, at the basement of Papagallo Mountain (Privitera & Puglisi, 2000 b). New species for Europe.
- 29 - Only reported by Lindberg (1881) on the banks of the Arno River, near Pisa.
- 30 - Only reported in Noasca at 1065 m a.s.l. (Schumacker & Soldàn, 1997).
- 31 - This variety, instead of the related species, was erroneously reported in Trentino-Alto Adige and Toscana (Cortini Pedrotti, 1992).
- 32 - Only reported in Lazzago Valley near Vipiteno (Glowacki, 1915).
- 33 - Only reported in 3 localities from the Apuan Alps (Sérgio & al., 1995).
- 34 - Only reported by Trautmann (1911) on the Italian side of the Stelvio Pass.
- 35 - Because of the great intraspecific variability, the var. *adriatica* has a doubtful systematic distinctiveness and consequently, it has not been further considered.
- 36 - Erroneously reported in Sardegna instead of Calabria (Cortini Pedrotti, 1992).
- 37 - Only reported [sub *Hypnum polygamum* var. *minus*] by Bottini (1913) on the banks of the Massaciuccoli Lake.
- 38 - Formerly assigned to excluded taxa (Cortini Pedrotti 1992), it has been recently considered as a synonym of *E. pallescens* (Brugués, 1998). However, following the nomenclature rules, this taxon must keep its original name.
- 39 - Only reported [sub *Physcomitrium maroccanum*] by Hébrard & Lo Giudice (1996) in Contrada Canalotto, near Mazzarino.
- 40 - Only reported in Sangone Valley (Sotti, 1977).
- 41 - Only reported [sub *F. cavareana*] by Farneti (1894) in the surroundings of the Pavia city.
- 42 - Only reported by Carratello & Aleffi (1998) along the seashore of Capaci (Palermo).
- 43 - Despite considered as a variety of *G. crinita*, Greven (1995) has recently reassigned the status of distinct species to this taxon on the basis of the original description by De Notaris (1836).
- 44 - The report by Cortini Pedrotti (1966) concerning its occurrence in Sardegna must be disregarded for misidentification reasons.
- 45 - Collected in Trentino-Alto Adige and described by Kern (1897), it was subsequently considered as the fo. *mutica* of *G. anodon*. Recently, Greven & Sotiaux (1995) have reassigned the status of distinct species to this taxon.
- 46 - Collected for the first time by Herzog (1911) in Sardegna and included among the uncertain species (Corley & al., 1981; Cortini Pedrotti, 1992), this species has been reconsidered by Greven (1994). Its occurrence in Sardegna is confirmed on the basis of new collected records.
- 47 - Among its synonyms, Greven (1995) has been recently indicated *G. mixta*, which was formerly included among the uncertain species (Corley & al., 1981; Cortini Pedrotti, 1992).
- 48 - *H. ciliata* var. *leucophaea*, whose occurrence in Sardegna was related by De Notaris (1869), has been erroneously reported as *H. integrifolia*.
- 49 - Only reported [sub *Dubyella italica*] by De Notaris (1869) at Massa, near the Carrara town.
- 50 - The report of its occurrence [sub *H. fastigiatum*] in Puglia by Rabenhorst (1850), not being supported by herbarium specimens, is to be considered as uncertain.
- 51 - Only reported at Pic Ciadin (Kern, 1908).
- 52 - Only generically reported [sub *Leskea subenervis*] by Garovaglio (1844).
- 53 - Only collected and identified [sub *N. pumila* var. *philippeana*] by Düll in the Cansiglio Forest in 1964.
- 54 - Only reported [sub *O. perforatum*] by (Trautmann, 1911) near S. Geltrude on carbonatic rocks.
- 55 - Described by Massari (1897) as *O. arcangelianum* and considered an uncertain species by Corley & al. (1981) and Cortini Pedrotti (1992). Following the revision of herbarium records, Lara & al. (2001) claim that the original name is to be treated as a synonym of *O. laevigatum*.
- 56 - The report by De Notaris (1869) concerning its occurrence in the Intrasca Valley has been erroneously assigned to Lombardia instead of Piemonte (Cortini Pedrotti, 1992).
- 57 - Only reported by Lo Giudice (1991) at Pantana (the Caronie Mountains).
- 58 - Formerly considered as a synonym of *O. pumilum* or one of its varieties, this taxon has received the status of distinct species.

- 59 - Formerly considered as a variety or a hybrid between *O. striatum* and *O. rupestre*, the status of distinct species has been reassigned to this taxon based on the particular features of the peristome.
- 60 - Erroneously reported in Molise instead of Abruzzo (Cortini Pedrotti, 1992).
- 61 - Only reported [sub *Dicranum longifolium* var. *subalpinum*] by Arcangeli (1889) on the granitic blocks forming the peak of the Amiata Mountain (about 1700 m a.s.l.).
- 62 - According to Guerra & al. (1991) the var. *mitraeforme* does not deserve the rank of variety as the calyptra is not always mitriform, the leaf papillae are weakly marked and the spores present the most frequent encountered pattern type.
- 63 - Only reported by Kern (1912) at Tre Chiese in the Isarco Valley, no records has been found since the first collection by dr. Richter in July 1907.
- 64 - Only reported at Valnontey-Money about 2050 m a.s.l. (Schumacker & Soldà, 1997).
- 65 - Only reported by Rota on the Lombardian side of the Tonale Pass (De Notaris, 1869).
- 66 - Only reported in 3 localities of the Belluno Province between 1050 and 2200 m a.s.l. (Zodda, 1912).
- 67 - Only reported at Capo d'Armi on the basement of the Aspromonte Massif, about 120 m a.s.l. (Privitera & Puglisi, 2000 a). New species for Europe.
- 68 - Erroneously reported in Veneto instead of Trentino-Alto Adige (Cortini Pedrotti, 1992).
- 69 - Only reported [sub *P. nigricans* var. *albidens*] by Zodda (1911) in the surroundings of the Catania city.
- 70 - Based on the taxonomic revision of the *S. apocarpum* group (Blom, 1996), the occurrence of the genus *Schistidium* in Italy has much changed with respect to the previous check-list (Cortini Pedrotti, 1992). The genus distribution has been exclusively deduced by reference to the Italian records reviewed by Blom and kept in different herbaria (BM, CAME, DUIS, Greven priv. herb, GZU, PI, S, W).
- 71 - The only Italian specimen, collected by Martelli on the Velino Mountain in July 1903 (Hb PI), has been assigned to this subspecies by Blom.
- 72 - Only reported [sub *Hypnum ornellanum*] by Molendo (1865) in Livinallongo on the Padon Mountain, at 1863 m a.s.l.
- 73 - Only reported near Molina (the Ledro Lake) between 840 and 940 m a.s.l. (Gos & Ochyra, 1994).
- 74 - Only reported on the dolomitic cliffs of the Sobretta Mountain in the Valley of Alpe, at about 2500 m a.s.l. (Giacomini, 1939).
- 75 - Only reported [sub *Seligeria trifaria*] on Tambura Mountain in the Apuan Alps. Gos has subsequently assigned the specimen collected by Bottini (Hb FI) to var. *longifolia*.
- 76 - Erroneously reported in Molise (Cortini Pedrotti, 1992).
- 77 - Only reported at Terme del Brennero about 1300 m a.s.l. (Röhl, 1897).
- 78 - Only reported [sub *Tortula bolanderi*] by Blockeel (1995) on the vertical walls along the Vizzini-Caltagirone road.
- 79 - Only reported at Bosco della Ficuzza, about 10 km south from Marone (Blockeel, 2000).
- 80 - Only reported near Palizzi Marina (Privitera & Puglisi, 1999).
- 81 - Only reported by Gueli & al. (2001) in the cities of Catania and Agrigento.
- 82 - The report of its occurrence [sub *Hypnum fluitans* var. *stenophyllum*] in Sicilia by Lajacono Pojero (1886) has been placed in doubt by the author.
- 83 - Described by De Notaris (1865-1867) as *Amblystegium rotae* and subsequently considered as a synonym of *W. exannulata* (Cortini Pedrotti, 1992), Ochyra (1995) has reassigned the rank of variety to this taxon.
- 84 - Only reported [sub *Systegium multicapsularis*] by Geheeb (1886) on the Giannutri Island. Its occurrence is still uncertain as Bottini could not validate the species identification because of the bad state of the herbarium specimen (Tanfani, 1890).
- 85 - Formerly assigned to excluded taxa (Cortini Pedrotti, 1992), the occurrence of this taxon near Chiavenna has been recently confirmed by Cortini Pedrotti (1998) who has performed a revision of the specimen collected by Pfeffer in 1868 (Hb RO).

New taxa with respect to the check-list from 1992

- Acaulon fontiquerianum* Casas & Sérgio
Andreaea heinemannii Hampe & Müll. Hal.
Bryoerythrophyllum ferruginascens (Stirt.) Giac.
Bryum gemmilucens R. Wilczek & Demaret
Bryum minii Podp.
Bryum subapiculatum Hampe
Bryum tenuisetum Limpr.
Campylophyllum sommerfeltii (Myr.) Hedenäs
Campylopus pilifer ssp. *vaporarium* (De Not.) Brullo, Privitera & Puglisi
Coscinodon humilis Milde
Crossidium geheebii (Broth.) Broth.
Desmatodon latifolius var. *pilifer* (Dicks.) Rabenh.
Dicranella staphylina H. Whiteh.
Dicranum crassifolium Sérgio, Ochyra & Sêneca
Dicranum flexicaule Brid.
Entosthodon hungaricus (Boros) Loeske
Gigaspermum mouretii Corb.
Grimmia capillata De Not.
Grimmia limprichtii Kern
Grimmia pilosissima Herzog
Hedwigia ciliata var. *leucophaea* Bruch & al.
Hedwigia stellata Hedenäs
Orthotrichum laevigatum J. E. Zetterst.
Orthotrichum shawii Wilson in Schimp.
Orthotrichum schimperi Hammar
Pohlia andrewsii A. J. Shaw
Pseudocrossidium replicatum (Taylor) R. H. Zander
Racomitrium macounii Kindb. ssp. *macounii*
Schistidium brunnescens ssp. *griseum* (Nees & Hornsch.) Blom
Schistidium crassipilum Blom
Schistidium dupretii (Thér.) W. A. Weber
Schistidium elegantulum Blom ssp. *elegantulum*
Schistidium elegantulum ssp. *wilsonii* Blom
Schistidium papillosum Culm.
Schistidium pruinsum (Wilson ex Schimp.) Roth
Schistidium robustum (Nees & Hornch.) Blom
Schistidium singarense (Schiffn.) Laz.
Seligeria campylopoda Kindb. ex Macoun & Kindb.
Syntrichia handelii Schiffn.
Tortula brevissima Schiffn.
Tortula israelis Bizot & F. Bilewsky
Trichostomopsis aaronis (Lor.) Agnew & Townsend

Trichostomopsis australasiae (Hook. & Grev.) Robins
Trichostomopsis umbrosa (Müll. Hal.) Robins
Warnstorfia exannulata var. *nigricans* (Brid.) Ochyra
Zygodon viridissimus (Dicks.) Brid.

Excluded taxa from Italy

Bryum mamillatum Lindb.

The report of its occurrence at Solda in Trentino-Alto Adige by Nicholson (1909) is to be disregarded as the revision of the herbarium record (Hb BM) revealed that it was erroneously identified, but the taxonomic identity of this specimen is still uncertain (Townsend, 1994).

Cyrtomnium hymenophyllum (Bruch & al.) Holmen

The report of its occurrence [sub *Cinclidium hymenophyllum*] near the Gran Ghiacciaio in the Forno Valley (Lombardia) by Venturi (1899) must be considered erroneous, as the author took this information from Limpricht (1895) who had reported this species in the Forno Valley from Switzerland.

Schistidium maritimum (Turner) Bruch & Schimp.

The report of its occurrence [sub *Grimmia maritima*] in Lazio by Brizi (1897) is not reliable because not supported by a herbarium record. In addition, the distribution area of this species is limited to the north-western Europe (Bremer, 1980) and its presence in the central Apennines seems for the moment to be unlikely.

Schistidium strictum (Turner) Loeske ex Martensson

All the reports concerning the occurrence of *Schistidium gracile* (synonym of *S. trichodon*) have been erroneously assigned to this north-European species (Blom, 1996).

Thuidium minutulum (Hedw.) Bruch & al.

The report of its occurrence on the Rocciacotello Mountain in Piemonte by Filipello (1964) cannot be confirmed because of the bad state of the herbarium record.

Vesicularia galerulata (Duby) Broth. and *V. reimersiana* Bizot & P. de Varde

The report by Düll (1984-1985) is not supported by any herbarium record.

Synonyms

Abietinella abietina (Hedw.) Fleisch. = *Thuidium abietinum*
Acaulon carniolicum (Web. & Mohr) C. Müll. = *Aschisma carniolicum*
Acaulon mediterraneum Limpr. = *A. muticum* var. *mediterraneum*
Acrocladium cuspidatum (Hedw.) Lindb. = *Calliergonella cuspidata*
Acrocladium stramineum (Brid.) Rich. & Wallace = *Straminergon stramineum*
Aloina aloides var. *ambigua* (B. & S.) Craig = *A. ambigua*
Aloina ericaefolia Lindb. = *A. ambigua*

- Aloina pilifera* (De Not.) Crum & Steere = *A. bifrons*
Aloina rigida var. *pilifera* (De Not.) Limpr. = *A. bifrons*
Aloina stellata Kindb. = *A. rigida*
Amblystegiella confervoides (Brid.) Loeske = *Platydictya confervoides*
Amblystegiella subtilis (Hedw.) Loeske = *Platydictya subtilis*
Amblystegium ambiguum De Not. = *Leptodictyum riparium*
Amblystegium anzianum De Not. = *Platydictya jungermannioides*
Amblystegium chrysophyllum (Brid.) De Not. = *Campyliadelphus chrysophyllus*
Amblystegium commutatum Hedw. = *Palustriella commutata*
Amblystegium confervoides (Brid.) H. A. Crum = *Platydictya confervoides*
Amblystegium cordifolium (Hedw.) De Not. = *Calliergon cordifolium*
Amblystegium curvicaule (Jur.) Dix. & Jam. = *Cratoneuron curvicaule*
Amblystegium densum Milde = *Conardia compacta*
Amblystegium exannulatum (B. S. & G.) De Not. = *Warnstorfia exannulata*
Amblystegium falcatum (Brid.) De Not. = *Palustriella falcata*
Amblystegium filicinum De Not. = *Cratoneuron filicinum*
Amblystegium filicinum ssp. *fallax* (Brid.) Lindb. = *Cratoneuron filicinum*
Amblystegium fluitans (Hedw.) De Not. = *Warnstorfia fluitans*
Amblystegium fluitans var. *falcatum* (B. S. & G.) Braithw. = *Warnstorfia fluitans* var. *falcatus*
Amblystegium fluviatile (Hedw.) Bruch & al. = *Hygroamblystegium fluviatile*
Amblystegium formianum Fior.-Mazz. = *Cratoneuron filicinum* var. *atrovirens*
Amblystegium gallicum Bryhn = *Leptodictyum riparium*
Amblystegium giganteum (Schimp.) De Not. = *Calliergon giganteum*
Amblystegium glaucum (Lam.) Lindb. = *Palustriella commutata*
Amblystegium gracile Jur. = *Haplocladium angustifolium*
Amblystegium halleri L. = *Campylophyllum halleri*
Amblystegium hausmannii De Not. = *Leptodictyum riparium*
Amblystegium humile (P. Beauv.) Crundw. = *Leptodictyum humile*
Amblystegium hygrophilum Schimp. = *A. radicale*
Amblystegium intermedium Lindb. = *Scorpidium cossonii*
Amblystegium irriguum (Wils.) Schimp. = *Hygroamblystegium tenax*
Amblystegium irriguum var. *fallax* (Brid.) Schimp. = *Cratoneuron filicinum*
Amblystegium kochii (B. S. & G.) Warnst. = *Leptodictyum humile*
Amblystegium leptophyllum Schimp. = *Leptodictyum riparium*
Amblystegium lycopodioides (Brid.) De Not. = *Pseudocalliergon lycopodioides*
Amblystegium orsinianum De Not. = *Palustriella falcata*
Amblystegium polycarpum (Voit) Vent. & Bott. = *Drepanocladus polycarpus*
Amblystegium pseudostramineum (C. Muell.) Lindb. = *Warnstorfia pseudostramineum*
Amblystegium revolvens (Sw.) De Not. = *Scorpidium revolvens*
Amblystegium riparium (Hedw.) Bruch & al. = *Leptodictyum riparium*
Amblystegium rotae De Not. = *Warnstorfia exannulata* var. *nigricans*
Amblystegium sarmentosum (Wahlenb.) De Not. = *Warnstorfia sarmentosa*
Amblystegium saxatile Schimp. = *A. radicale*
Amblystegium sendtneri Schimp. = *Drepanocladus sendtneri*
Amblystegium sprucei (Bruch) B. S. & G. = *Platydictya jungermannioides*

- Amblystegium stramineum* (Brid.) De Not. = *Straminergon stramineum*
Amblystegium subtile (Hedw.) Bruch & al. = *Platydictya subtilis*
Amblystegium tenax (Hedw.) C. E. O. Jens. = *Hygroamblystegium tenax*
Amblystegium trifarium (Web. & Mohr) De Not. = *Pseudocalliergon trifarium*
Amblystegium uncinatum (Hedw.) De Not. = *Sanionia uncinata*
Amblystegium fallax (Brid.) Milde = *Cratoneuron filicinum*
Amblystegium juratzkanum Schimp. = *A. serpens* var. *juratzkanum*
Amphoridium lapponicum Schimp. = *Amphidium lapponicum*
Amphoridium mougeotii Schimp. = *Amphidium mougeotii*
Amphoridium viridissimus De Not. = *Zygodon viridissimus*
Anacalypta starckeana (Hedw.) Fűrnr. = *Pottia starckeana*
Andreaea angustata Lindb. ex Limpr. = *A. heinemannii*
Andreaea blyttii ssp. *angustata* (Lindb. ex Limpr.) Schultze-Motel = *A. heinemannii*
Andreaea crassifolia Luis. = *A. heinemannii*
Andreaea crassinervia ssp. *huntii* (Limpr.) Amann = *A. rothii* ssp. *falcata*
Andreaea falcata B.S. & G. = *A. rothii* ssp. *falcata*
Andreaea huntii Limpr. = *A. rothii* ssp. *falcata*
Andreaea petrophila Ehrh. ex Fűrnr. = *A. rupestris*
Andreaea petrophila var. *alpestris* Thed. = *A. alpestris*
Andreaea rothii ssp. *crassinervia* (Bruch) Dix. = *A. crassinervia*
Andreaea rothii ssp. *frigida* (Hüb.) Schultze-Motel = *A. frigida*
Andreaea rothii var. *falcata* (Schimp.) Lindb. = *A. rothii* ssp. *falcata*
Andreaea rothii var. *frigida* (Hüb.) Lindb. = *A. frigida*
Andreaea rothii var. *grimsulana* (Bruch) C. Müll. = *A. frigida*
Andreaea rothii var. *hamata* Lindb. ex Braithw. = *A. rothii* ssp. *rothii*
Andreaea rupestris var. *alpestris* (Thed.) Sharp. = *A. alpestris*
Anictangium ciliatum Hedw. = *Hedwigia ciliata*
Anictangium ciliatum var. *incanum* Sw. = *Hedwigia ciliata* var. *leucophaea*
Anictangium flaccidum De Not. = *Schistidium flaccidum*
Anisothecium grevilleanum Broth. = *Dicranella grevilleana*
Anisothecium rigidulum (Hedw.) C. Jens. = *Dicranella humilis*
Anisothecium rubrum Lindb. = *Dicranella varia*
Anisothecium rufescens (With.) Lindb. = *Dicranella rufescens*
Anisothecium schreberianum (Hedw.) Dix. = *Dicranella schreberiana*
Anisothecium squarrosus (Starke) Lindb. = *Dicranella palustris*
Anisothecium staphylinum (H. Whitehouse) Sipman, Rubers & Riemann = *Dicranella staphylina*
Anisothecium vaginale (Dicks.) Loeske = *Dicranella crispa*
Anisothecium varium (Hedw.) Schimp. = *Dicranella varia*
Anoetangium aquaticum Hedw. = *Cinclidotus aquaticus*
Anoetangium compactum Schwägr. = *A. aestivum*
Anoetangium compactum var. *brevifolium* Jur. = *A. tenuinerve*
Anoetangium lapponicum Hedw. = *Amphidium lapponicum*
Anoetangium mougeotii Lindb. = *Amphidium mougeotii*
Anoetangium sciuroides Bals. & De Not. = *Braunia alopecura*

- Anoetangium sendtnerianum* var. *tenuinerve* (Limpr.) Mönk. = *A. tenuinerve*
Anomobryum concinnum (Spruce) Lindb. = *A. julaceum* var. *concinnum*
Anomobryum filiforme Solms = *A. julaceum*
Anomobryum juliforme Solms = *A. julaceum*
Anomodon apiculatus Sull. = *A. rugelii*
Anomodon cladorrhizans (Hedw.) Fühnr. = *Entodon cladorrhizans*
Anomodon curtispendus (Hedw.) Hook. & Tayl. = *Antitrichia curtispendula*
Anomodon fragilis Wils. = *Haplohymenium triste*
Anomodon nervosus Hüb. = *Pseudoleskea nervosa*
Anomodon repens Hüb. = *Platygyrium repens*
Anomodon striatus Hüb. = *Lescuraea mutabilis*
Anomodon tristis (Ces. & De Not.) Kindb. = *Haplohymenium triste*
Antitrichia curtispendula var. *hispanica* B. S. & G. = *A. californica*
Antitrichia hispanica B. S. & G. = *A. californica*
Aphanorhegma patens (Hedw.) Lindb. = *Physcomitrella patens*
Aschisma speciosum (Limpr.) Fleisch. = *A. carniolicum*
Astomum crispum (Hedw.) Hampe = *Weissia longifolia*
Astomum levieri Limpr. = *Weissia levieri*
Atrichum haussknechtii Jur. & Milde = *A. undulatum* var. *gracilisetum*
Atrichum undulatum var. *haussknechtii* (Jur. & Milde) Frye = *A. undulatum* var. *gracilisetum*
Barbella strongylensis Bott. = *Rhynchostegium strongylense*
Barbula aaronis (Lor.) Hilp. = *Trichostomopsis aaronis*
Barbula aciphylla B. S. & G. = *Syntrichia norvegica*
Barbula acuta (Brid.) Brid. = *Didymodon acutus*
Barbula acuta var. *icmadophila* Crum = *Didymodon icmadophilus*
Barbula adriatica Baumg. = *Didymodon fallax* var. *adriatica*
Barbula aestiva (Hedw.) Schultze = *Tortula muralis* var. *aestiva*
Barbula aloides (Schultze) Bruch = *Aloina aloides*
Barbula alpina Br. eur. = *Syntrichia sinensis*
Barbula alpina var. *inermis* (Milde) De Not. = *Syntrichia fragilis*
Barbula ambigua Bruch & Schimp. = *Aloina ambigua*
Barbula anomala Schimp. = *Timmiella anomala*
Barbula asperifolia Mitt. = *Didymodon asperifolius*
Barbula atrovirens Schimp. = *Tortula atrovirens*
Barbula bolanderi Lesq. & James = *Syntrichia bolanderi*
Barbula botelligera Mönk. = *Bryoerythrophyllum ferruginascens*
Barbula caespitosa Schwägr. = *Tortella humilis*
Barbula cancellata C. Müll. = *B. indica*
Barbula canescens (Mont.) B. S. & G. = *Tortula canescens*
Barbula cavifolia Schimp. = *Pterygoneurum ovatum*
Barbula commutata Jur. = *B. convoluta*
Barbula convoluta var. *sardoa* Schimp. = *B. convoluta* var. *commutata*
Barbula cordata Jur. = *Didymodon cordatus*
Barbula cuneifolia (With.) Web. & Mohr = *Tortula cuneifolia*
Barbula cylindrica (Tayl.) Schimp. = *Didymodon insulanus*

- Barbula cylindrica* var. *sinuosa* (Mitt.) Lindb. = *Didymodon sinuosus*
Barbula drummondii (Mitt.) Milde = *Tortella fragilis*
Barbula fallax Hedw. = *Didymodon fallax*
Barbula fallax var. *recurvifolia* (Wils.) Husn. = *Didymodon ferrugineus*
Barbula fiorii Vent. = *Tortula revolvens* var. *obtusata*
Barbula flavipes B. S. & G. = *B. enderesii*
Barbula gigantea Funck = *Geheebia gigantea*
Barbula gracilis Schwägr. = *Didymodon acutus*
Barbula guepinii (B. S. & G.) Schimp. = *Desmatodon guepinii*
Barbula hornschuchiana Schultz = *Pseudocrossidium hornschuchianum*
Barbula icmadophila Schimp. = *Didymodon icmadophilus*
Barbula inclinata Schwägr. = *Tortella inclinata*
Barbula inermis (Brid. ex Hartm.) Garov. = *Syntrichia inermis*
Barbula intermedia (Brid.) Milde = *Syntrichia intermedia*
Barbula laevipila Brid. = *Syntrichia laevipila*
Barbula latifolia (Hartm.) Hueb. = *Syntrichia latifolia*
Barbula lurida (Hornsch.) Lindb. = *Didymodon luridus*
Barbula marginata Schimp. = *Tortula marginata*
Barbula membranifolia (Hook.) Schultz = *Crossidium squamiferum*
Barbula membranifolia var. *grisea* (Jur.) Vent. = *Crossidium squamiferum* var. *pottioideum*
Barbula mucronifolia (Schwägr.) Garov. = *Tortula mucronifolia*
Barbula muralis Hedw. = *Tortula muralis*
Barbula muralis var. *aestiva* Brid. = *Tortula muralis* var. *aestiva*
Barbula nitida (Lindb.) Renauld = *Tortella nitida*
Barbula obtusifolia Schwägr. = *Tortula obtusifolia*
Barbula pagorum Milde = *Syntrichia pagorum*
Barbula paludosa Web. & Mohr = *B. crocea*
Barbula papillosa Wils. = *Syntrichia papillosa*
Barbula princeps De Not. = *Syntrichia princeps*
Barbula pulvinata Jur. = *Syntrichia virescens*
Barbula recurvifolia Schimp. = *Didymodon ferrugineus*
Barbula recurvirostris (Hedw.) Dix. = *Bryoerythrophyllum recurvirostre*
Barbula reflexa (Brid.) Brid. = *Didymodon ferrugineus*
Barbula revoluta (Schräd.) Brid. = *Pseudocrossidium revolutum*
Barbula revolvens Schimp. = *Tortula revolvens*
Barbula rigida Hedw. = *Aloina rigida*
Barbula rigidula (Hedw.) Milde = *Didymodon rigidulus*
Barbula rubella var. *ruberrima* Ferg. = *Bryoerythrophyllum ferruginascens*
Barbula rufa Jur. = *Didymodon asperifolius*
Barbula ruraliformis Besch. = *Syntrichia ruraliformis*
Barbula ruralis Hedw. = *Syntrichia ruralis* ssp. *ruralis*
Barbula ruralis var. *rupestris* B. S. & G. = *Syntrichia intermedia*
Barbula sinensis C. Muell. = *Syntrichia sinensis*
Barbula sinuosa (Mitt.) Grav. = *Didymodon sinuosus*
Barbula solmsii Schimp. = *Tortula solmsii*

- Barbula spadicea* (Mitt.) Braithw. = *Didymodon spadiceus*
Barbula squamifera Viv. = *Crossidium squamiferum*
Barbula squarrosa Brid. = *Pleurochaete squarrosa*
Barbula subulata (Hedw.) P. Beauv. = *Tortula subulata*
Barbula tophacea (Brid.) Mitt. = *Didymodon tophaceus*
Barbula tortuosa (L.) Web. & Mohr = *Tortella tortuosa*
Barbula tortuosa var. *fragilifolia* Jur. = *Tortella tortuosa* var. *fragilifolia*
Barbula umbrosa C. Müll. = *Trichostomopsis umbrosa*
Barbula vahlana Schultz = *Tortula vahlana*
Barbula vinealis Brid. = *Didymodon vinealis*
Barbula vinealis var. *cylindrica* (Tayl.) Schimp. = *Didymodon insulanus*
Barbula vinealis var. *flaccida* B. S. & G. = *Didymodon insulanus*
Barbula virescens (De Not.) Lor. = *Syntrichia virescens*
Bartramia crispa Sw. = *B. pomiformis* var. *elongata*
Bartramia halleri Gray = *B. halleriana*
Bartramia ithyphylla var. *breviseta* (Lindb.) Kindb. = *B. breviseta*
Bartramia ithyphylla var. *rigidula* Schimp. = *B. ithyphylla* var. *strigosa*
Bartramia marchica (Hedw.) Sm. = *Philonotis marchica*
Bartramia norvegica Lindb. = *B. halleriana*
Bartramia oederi Brid. = *Plagiopus oederianus*
Bartramia oederi var. *condensata* Brid. = *Plagiopus oederianus* var. *alpinus*
Bartramia oederi var. *subnivalis* Mol. = *Plagiopus oederianus* var. *alpinus*
Bartramia pomiformis var. *crispa* (Sw.) Br. eur. = *B. pomiformis* var. *elongata*
Bartramia viridissima (Brid.) Kindb. = *B. subulata*
Bartramia webbii C. Müll. = *Anacolia webbii*
Brachyodus trichodes B. S. & G. = *Brachydontium trichodes*
Brachysteleum polyphyllum (Sw.) Hornsch. = *Ptychomitrium polyphyllum*
Brachythecium alpinum (De Not.) Anzi = *B. glareosum* var. *alpinum*
Brachythecium amoenum Milde = *B. populeum* var. *amoenum*
Brachythecium aureum De Not. = *Homalothecium aureum*
Brachythecium cirrosum Schimp. = *Cirriphyllum cirrosum*
Brachythecium durieui (Mont.) De Not. = *Rhynchostegiella durieui*
Brachythecium funckii Schimp. = *Eurhynchium crassinervium*
Brachythecium gelidum Bryhn = *B. glaciale*
Brachythecium illecebrum De Not. = *Scleropodium touretii*
Brachythecium jucundum De Not. = *B. salebrosum*
Brachythecium laetum (Dewey ex Brid.) B.S. & G. = *B. oxycladum*
Brachythecium ligusticum De Not. = *B. salebrosum*
Brachythecium lutescens (Huds.) De Not. = *Homalothecium lutescens*
Brachythecium molendoi Schimp. = *Cirriphyllum cirrosum*
Brachythecium olympicum Jur. = *B. velutinum* var. *salicinum*
Brachythecium payotianum Boul. = *B. trachypodium* var. *payotianum*
Brachythecium plicatum (Schleich.) De Not. = *Ptychodium plicatum*
Brachythecium rotaeanum De Not. = *B. capillaceum*
Brachythecium salebrosum var. *mildeanum* Vent & Bott. = *B. mildeanum*

- Brachythecium salicinum* B. S. & G. = *B. velutinum* var. *salicinum*
Brachythecium sericeum Warnst. = *B. salebrosum*
Brachythecium tauriscorum Mol. = *B. glareosum* var. *alpinum*
Brachythecium tromsöense Kaur. & Arn. = *B. starkei* var. *tromsöense*
Brachythecium velutinum var. *venustum* (De Not.) Ar. = *B. velutinum* var. *salicinum*
Brachythecium venturii Warnst. = *B. populeum* var. *amoenum*
Brachythecium venustum (De Not.) De Not. = *B. velutinum* var. *salicinum*
Brachythecium vineale Milde = *B. salebrosum* var. *vineale*
Brachythecium zickendrahtii Warnst. = *B. salebrosum*
Braunia sciuroides (Bals. & De Not.) B. S. & G. = *B. alopecura*
Breidleria arcuata (L.) Loeske = *Calliergonella lindbergii*
Brotherella nemorosa (Koch) Loeske = *Heterophyllum affine*
Bruchia trobasiana De Not. = *B. flexuosa*
Bryum abduanum Rota = *B. muehlenbeckii* var. *abduanum*
Bryum affine Lindb. & Arnell = *B. creberrimum*
Bryum alpinum var. *mildeanum* (Jur.) Podp. = *B. mildeanum*
Bryum androgynum Hedw. = *Aulacomnium androgynum*
Bryum angustirete Kindb. = *B. algovicum*
Bryum argenteum ssp. *veronense* Amann = *B. veronense*
Bryum atropurpureum Wahlenb. = *Pohlia atropurpurea*
Bryum atropurpureum B. S. & G. = *B. bicolor*
Bryum baldense Vent. = *B. pallens*
Bryum bimum (Brid.) Turn. = *B. pseudotriquetrum* var. *bimum*
Bryum calabricum Warnst. & Fleisch. = *B. cellulare*
Bryum capillare ssp. *torquescens* (B. & S.) Kindb. = *B. torquescens*
Bryum capillare var. *carinthiacum* B. S. & G. = *B. stirtonii*
Bryum capillare var. *cuspidatum* Schimp. = *B. creberrimum*
Bryum capillare var. *elegans* (Brid.) Husn. = *B. elegans*
Bryum capillare var. *ferchelii* (Funck) Brid. = *B. elegans*
Bryum capillare var. *flaccidum* B. S. & G. = *B. subelegans*
Bryum capillare var. *macrocarpum* Schimp. = *B. creberrimum*
Bryum capillare var. *rufifolium* (Dix.) Podp. = *B. capillare* var. *platyloma*
Bryum capillare var. *torquescens* (Bruch) Husn. = *B. torquescens*
Bryum carneum L. = *Pohlia melanodon*
Bryum cernuum Lindb. = *B. uliginosum*
Bryum cirrhatum Hoppe & Hornsch. = *B. pallescens*
Bryum claviger Kaur. = *B. veronense*
Bryum combae De Not. = *B. muehlenbeckii*
Bryum concinnatum Spruce = *Anomobryum julaceum* var. *concinnatum*
Bryum cucullatum Schwägr. = *Pohlia obtusifolia*
Bryum cuspidatum (B. S. & G.) Schimp. = *B. creberrimum*
Bryum demissum Hook. = *Plagiobryum demissum*
Bryum donii Grev. = *B. donianum*
Bryum duvalii Voit = *B. weigelii*
Bryum elegans var. *carinthiacum* = *B. stirtonii*

- Bryum fallax* var. *baldense* (Vent.) Limpr. = *B. pallens*
Bryum ferchelii Funck ex Brid. = *B. elegans*
Bryum filiforme Dicks. = *Anomobryum julaceum*
Bryum flaccidum Brid. = *B. subelegans*
Bryum inclinatum (Brid.) Bland. = *B. imbricatum*
Bryum insulare De Not. = *B. donianum*
Bryum intermedium ssp. *carniolicum* (Glow.) Podp. = *B. intermedium*
Bryum julaceum Schrad. = *Anomobryum julaceum*
Bryum klingraeffii ssp. *tenuisetum* (Limpr.) Podp. = *B. tenuisetum*
Bryum laevifilum Syed = *B. subelegans*
Bryum lanatum (P. Beauv.) Brid. = *B. argenteum*
Bryum latifolium (Schwägr.) Brid. = *B. schleicheri* var. *latifolium*
Bryum lescurianum Sull. = *Pohlia lescuriana*
Bryum marginatum Dicks. = *Mnium marginatum*
Bryum melanodon Brid. = *Pohlia melanodon*
Bryum microstegium Br. eur. = *B. intermedium*
Bryum muehlenbeckii var. *viride* Amann = *B. muehlenbeckii* var. *abduanum*
Bryum murale Wils. ex Hunt = *B. radiculosum*
Bryum murorum (Schimp.) Berk. = *B. radiculosum*
Bryum neodamense var. *ovatum* Lindb. & Arnell = *B. subneodamense*
Bryum obconicum Hornsch. ex Br. eur. = *B. pallescens*
Bryum ovatum Jur. = *B. subneodamense*
Bryum pallens var. *alpinum* (Bruch & al.) Podp. = *B. pallens*
Bryum pallens var. *fallax* (Milde) Jur. = *B. pallens*
Bryum pendulum (Hornsch.) Schimp. = *B. algovicum*
Bryum platyloma Br. eur. = *B. donianum*
Bryum platyloma Schwägr. = *B. capillare* var. *platyloma*
Bryum provinciale Philib. = *B. canariense* var. *provinciale*
Bryum pseudotriquetrum ssp. *bimum* (Brid.) Hartm. = *B. pseudotriquetrum* var. *bimum*
Bryum pulchellum Hedw. = *Pohlia lescuriana*
Bryum pyriforme (Hedw.) Lam. & Card. = *Leptobryum pyriforme*
Bryum roseum Hedw. = *Rhodobryum roseum*
Bryum rufifolium (Dix.) Demaret & Wilczek = *B. capillare* var. *platyloma*
Bryum siculum Roth = *B. cellulare*
Bryum sphagni Brid. = *Pohlia sphagnicola*
Bryum sphagnicola B. S. & G. = *Pohlia sphagnicola*
Bryum splachnoides (Harv.) C. Muell. = *B. cellulare*
Bryum stellare (Hedw.) Sm. = *Mnium stellare*
Bryum subrotundum Brid. = *B. pallescens*
Bryum tauriscorum Limpr. = *B. archangelicum*
Bryum tozeri Grev. = *Epipterygium tozeri*
Bryum truncatum With. = *Pottia truncata*
Bryum turbinatum ssp. *schleicheri* (Schwägr.) Kindb. = *B. schleicheri*
Bryum turbinatum var. *latifolium* (Schleich.) Br. Eur. = *B. schleicheri* var. *latifolium*
Bryum turbinatum var. *schleicheri* (Schwägr.) Fuernr. = *B. schleicheri*

- Bryum ventricosum* Lindb. = *B. pseudotriquetrum*
Bryum venturii De Not. = *Brachythecium glaciale*
Bryum zierii Hedw. = *Plagiobryum zierii*
Buxbaumia foliosa Hedw. = *Diphyscium foliosum*
Buxbaumia indusiata Brid. = *B. viridis*
Calliergon cuspidatum (Hedw.) Kindb. = *Calliergonella cuspidata*
Calliergon sarmentosum (Wahlenb.) Kindb. = *Warnstorfia sarmentosa*
Calliergon stramineum (Brid.) Kindb. = *Straminergon stramineum*
Calliergon trifarium (Weber & D. Mohr) Kindb. = *Pseudocalliergon trifarium*
Calymperes sommieri Bott. = *C. erosum*
Camptothecium aureum (Lag.) B. S. & G. = *Homalothecium aureum*
Camptothecium lutescens (Hedw.) B. S. & G. = *Homalothecium lutescens*
Camptothecium lutescens var. *fallax* (Philib. ex Schimp.) Düll = *Homalothecium lutescens* var. *fallax*
Camptothecium nitens (Hedw.) Schimp. = *Tomentypnum nitens*
Camptothecium philippeanum (Spruce) Kindb. = *Homalothecium philippeanum*
Camptothecium sericeum (Hedw.) Kindb. = *Homalothecium sericeum*
Campylium calcareum Crundw. & Nyholm = *Campylophyllum calcareum*
Campylium chrysophyllum (Brid.) J. Lange = *Campyliadelphus chrysophyllus*
Campylium elodes (Lindb.) Kindb. = *Campyliadelphus elodes*
Campylium halleri (Hedw.) Lindb. = *Campylophyllum halleri*
Campylium hispidulum Brid. = *Campylophyllum calcareum*
Campylium hispidulum var. *sommerfeltii* (Myr.) Lindb. = *Campylophyllum sommerfeltii*
Campylium polygamum (Bruch & al.) Lange & C. E. O. Jens. = *Drepanocladus polygamus*
Campylium polygamum var. *minus* (Schimp.) Roth = *Drepanocladus polygamus* var. *minus*
Campylium radicale (P. Beauv.) Grout = *Amblystegium radicale*
Campylium sommerfeltii Myr. = *Campylophyllum sommerfeltii*
Campylium stellatum ssp. *protensum* (Brid.) C. Jens. = *C. protensum*
Campylium stellatum var. *protensum* (Brid.) Bryhn ex Grout = *C. protensum*
Campylopus brevifolius Schimp. = *C. subulatus*
Campylopus fragilis (Brid.) B. S. & G. var. *pyriformis* (Schultz) Agst. = *C. pyriformis*
Campylopus introflexus var. *polytrichoides* (De Not.) Giac. = *C. pilifer*
Campylopus introflexus var. *vaporarius* (De Not.) Moenk. = *C. pilifer* ssp. *vaporarius*
Campylopus mildei Limpr. = *C. oerstedianus*
Campylopus paradoxus Wils. = *C. flexuosus*
Campylopus polytrichoides De Not. = *C. pilifer*
Campylopus polytrichoides var. *vaporarius* De Not. = *C. pilifer* ssp. *vaporarius*
Campylopus schwarzii Schimp. = *C. gracilis*
Campylopus subulatus var. *schimperi* (Milde) Husn. = *C. schimperi*
Campylopus torfaceus B.S. & G. = *C. pyriformis*
Campylopus vaporarius Bolle = *C. pilifer* ssp. *vaporarius*
Campylopus viride Sull. & Lesq. = *Dicranum viride*
Catharinea angustata (Brid.) Brid. = *Atrichum angustatum*
Catharinea hercynica (Hedw.) Web. & Mohr = *Oligotrichum hercynicum*
Catharinea tenella Röhl. = *Atrichum tenellum*

- Catharinea undulata* Web. & Mohr = *Atrichum undulatum*
Ceratodon chloropus (Brid.) Brid. = *Cheilothea chloropus*
Ceratodon corsicus B. S. & G. = *C. conicus*
Ceratodon cylindricus (Hedw.) Fuernr. = *Ditrichum cylindricum*
Ceratodon purpureus var. *conicus* (Hampe) Husn. = *C. conicus*
Ceratodon stenocarpus B. S. & G. = *C. conicus*
Chenia rhizophylla (Sakurai) R. H. Zander = *C. leptophylla*
Chrysohypnum chrysophyllum (Brid.) Loeske = *Campyliadelphus chrysophyllus*
Chrysohypnum sommerfeltii Myr. = *Campylophyllum sommerfeltii*
Chrysohypnum stellatum (Hedw.) Loeske = *Campylium stellatum*
Chrysohypnum stellatum var. *protensum* (Brid.) Moenk. = *Campylium protensum*
Cinclidotus brebissonii (Brid.) Husn. = *C. mucronatus*
Cinclidotus nigricans (Brid.) Arnott = *C. riparius*
Cirriphyllum crassinervium (Tayl.) Loeske & Fleisch. = *Eurhynchium crassinervium*
Cirriphyllum filiforme (Lam.) Broth. = *Eurhynchium flotowianum*
Cirriphyllum germanicum (Grebe) Loeske & Fleisch. = *Rhynchostegiella tenuicaulis*
Cirriphyllum tenuinerve (Lindb.) Wijk & Marg. = *C. tommasinii*
Cirriphyllum vaucheri (Schimp.) Fleisch. & Loeske = *C. tommasinii*
Cirriphyllum vaucheri var. *fagineum* H. Müll. = *Rhynchostegiella tenuicaulis*
Cirriphyllum velutinoides (B. S. & G.) Loeske & Fleisch. = *Eurhynchium flotowianum*
Conomitrium julianum Mont. = *Fissidens fontanus*
Conostomum boreale Sw. = *C. tetragonum*
Coscinodon cribrosus var. *humilis* G. Roth = *C. humilis*
Coscinodon pulvinatus Spreng. = *C. cribrosus*
Cratoneuron commutatum (Hedw.) Roth = *Palustriella commutata*
Cratoneuron commutatum ssp. *falcatum* (Brid.) Giac. = *Palustriella falcata*
Cratoneuron decipiens (De Not.) Loeske = *Palustriella decipiens*
Cratoneuron falcatum Brid. = *Palustriella falcata*
Cratoneuron filicinum ssp. *curvicaule* (Jur.) Broth. = *C. curvicaule*
Cratoneuron filicinum ssp. *fallax* (Brid.) Giac. = *C. filicinum*
Cratoneuron filicinum var. *fallax* (Brid.) Roth = *C. filicinum*
Cratoneuron glaucum Broth. = *Palustriella commutata*
Crossidium griseum (Jur.) Jur. = *C. squamiferum* var. *pottioideum*
Cryphaea arbores (Huds.) Lindb. = *C. heteromalla*
Cryphaea lamyi C. Müll. ex Henriq. = *C. lamyana*
Ctenidium distinguendum Glow. = *C. molluscum*
Ctenidium subplumiferum Kindb. = *C. molluscum* var. *robustum*
Cylindrothecium cladorrhizans (Hedw.) B. S. & G. = *Entodon cladorrhizans*
Cylindrothecium concinnum (De Not.) Schimp. = *Entodon concinnus*
Cylindrothecium montagnei B. S. & G. = *Entodon concinnus*
Cylindrothecium orthocarpon (Brid.) Dalla Torre & Sarnth. = *Entodon concinnus*
Cylindrothecium repens De Not. = *Platygyrium repens*
Cylindrothecium schleicheri Br. eur. = *Entodon schleicheri*
Cynodontium alpestre (Hueb.) Milde = *Cnestrum alpestre*
Cynodontium capillaceum Hedw. = *Distichium capillaceum*

- Cynodontium flexicaule* Schwägr. = *Ditrichum flexicaule*
Cynodontium gracilescens var. *alpestre* Schimp. = *C. fallax*
Cynodontium gracilescens var. *tenellum* B.S. & G. = *C. tenellum*
Cynodontium inclinatum Hedw. = *Distichium inclinatum*
Cynodontium polycarpon var. *strumiferum* (Hedw.) Schimp. = *C. strumiferum*
Cynodontium sardoum (Herz.) Moenk. = *Oncophorus virens*
Cynodontium schisti (Web. & Mohr) Lindb. = *Cnestrum schisti*
Cynodontium torquescens Limpr. = *C. tenellum*
Cynodontium viride (Hedw.) Schimp. = *Oncophorus virens*
Cynodontium wahlenbergii Hartm. = *Oncophorus wahlenbergii*
Daltonia heteromalla Hook. & Tayl. = *Cryphaea heteromalla*
Desmatodon atrovirens (Smith) Jur. = *Tortula atrovirens*
Desmatodon caespitosus (Bruch) De Not. = *Pottia caespitosa*
Desmatodon canescens (Mont.) Jur. = *Tortula canescens*
Desmatodon convolutus (Brid.) Grout = *Tortula atrovirens*
Desmatodon glacialis Funck = *D. latifolius* var. *muticus*
Desmatodon latifolius var. *brevifolius* Schimp. = *D. latifolius* var. *pilifer*
Desmatodon latifolius var. *glacialis* (Brid.) Aongstr. = *D. latifolius* var. *muticus*
Desmatodon obliquus B. S. & G. = *D. leucostoma*
Desmatodon obtusifolius (Schwägr.) Schimp. = *Tortula obtusifolia*
Desmatodon suberectus (Hook.) Limpr. = *D. leucostoma*
Dialitrichia mucronata (Brid.) Broth. = *Cinclidotus mucronatus*
Dichodontium flavescens (Dicks.) Lindb. = *D. pellucidum* var. *flavescens*
Dicranella curvata (Hedw.) Schimp. = *D. subulata* var. *curvata*
Dicranella schreberi (Hedw.) Schimp. = *D. schreberiana*
Dicranella secunda Lindb. = *D. subulata*
Dicranella squarrosa (Starke) Schimp. = *D. palustris*
Dicranella varia var. *tenella* Br. eur. = *D. humilis*
Dicranella varia var. *tenuifolia* (B. S. & G.) Schimp. = *D. howei*
Dicranodontium aristatum Schimp. = *D. asperulum*
Dicranodontium circinatum Schimp. = *D. uncinatum*
Dicranodontium longirostre (Web. & Mohr) B. S. & G. = *D. denudatum*
Dicranodontium longirostre var. *alpinum* (Schimp.) Milde = *D. denudatum* var. *alpinum*
Dicranoweisia bruntonii (Smith.) Schimp. = *Cynodontium bruntonii*
Dicranoweisia crispula var. *compacta* Lindb. = *D. compacta*
Dicranum affine Funck = *D. bergeri*
Dicranum albicans B. S. & G. = *Paraleucobryum enerve*
Dicranum blyttii Schimp. = *Kiaeria blyttii*
Dicranum bonjeanii var. *polycladum* B. S. & G. = *D. leioneuron*
Dicranum bonjeanii var. *undulatum* C. Jens. = *D. leioneuron*
Dicranum bruntonii Sm. = *Cynodontium bruntonii*
Dicranum cerviculatum Hedw. = *Dicranella cerviculata*
Dicranum congestum Brid. = *D. fuscescens*
Dicranum crispum Hedw. = *Dicranella crispa*
Dicranum curvatum Hedw. = *Dicranella subulata* var. *curvata*

- Dicranum elongatum* ssp. *groenlandicum* C. Jens. = *D. groenlandicum*
Dicranum enerve Thed. = *Paraleucobryum enerve*
Dicranum falcatum Hedw. = *Kiaeria falcata*
Dicranum fragile Brid. = *Campylopus fragilis*
Dicranum fulvellum (Dicks.) Sm. = *Arctoa fulvella*
Dicranum fuscescens var. *flexicaule* (Brid.) Wils. = *D. flexicaule*
Dicranum glaucum Hedw. = *Leucobryum glaucum*
Dicranum grevilleanum (Brid.) B. S. & G. = *Dicranella grevilleana*
Dicranum heteromallum Hedw. = *Dicranella heteromalla*
Dicranum introflexum Hedw. = *Campylopus introflexus*
Dicranum latifolium Hedw. = *Desmatodon latifolius*
Dicranum latifolium var. *piliferum* Hook. & Tayl. = *Desmatodon latifolius*
Dicranum longifolium Hedw. = *Paraleucobryum longifolium*
Dicranum longifolium var. *subalpinum* = *Paraleucobryum longifolium* var. *subalpinum*
Dicranum muehlenbeckii var. *brevifolium* Lindb. = *D. brevifolium*
Dicranum muehlenbeckii var. *cirratum* (Schimp.) Lindb. = *D. brevifolium*
Dicranum muehlenbeckii var. *neglectum* (De Not.) Pfeff. = *D. spadiceum*
Dicranum neglectum De Not. = *D. spadiceum*
Dicranum palustre B. S. & G. = *D. bonjeanii*
Dicranum pellucidum Hedw. = *Dichodontium pellucidum*
Dicranum polycarpum (Hedw.) Web. & Mohr = *Cynodontium polycarpon*
Dicranum purpureum Hedw. = *Ceratodon purpureus*
Dicranum rigidulum Hedw. = *Dicranella humilis*
Dicranum rufescens Turner = *Dicranella rufescens*
Dicranum rugosum (Funck) Brid. = *D. polysetum*
Dicranum sauteri B. S. & G. = *Paraleucobryum sauteri*
Dicranum schraderi Web. & Mohr = *D. bergeri*
Dicranum schreberianum Hedw. = *Dicranella schreberiana*
Dicranum sciuroides Hedw. = *Leucodon sciuroides*
Dicranum sphagni Wahlenb. = *D. elongatum*
Dicranum squarrosum Starke = *Dicranella palustris*
Dicranum starkei Web. & Mohr = *Kiaeria starkei*
Dicranum strictum Schleich. ex Mohr = *D. tauricum*
Dicranum subulatum Hedw. = *Dicranella subulata*
Dicranum undulatum Ehrh. ex Web. & Mohr = *D. polysetum*
Dicranum undulatum Schrad. ex Brid. = *D. bergeri*
Dicranum undulatum Turn. = *D. bonjeanii*
Dicranum varium Hedw. = *Dicranella varia*
Dicranum virens Hedw. = *Oncophorus virens*
Dicranum virens var. *wahlenbergii* (Brid.) Hueb. = *Oncophorus wahlenbergii*
Dicranum gracilenscens Web. & Mohr = *Cynodontium gracilenscens*
Didymodon aaronis (Lor.) Guerra = *Trichostomopsis aaronis*
Didymodon alpigenus Vent. = *Bryoerythrophyllum alpigenum*
Didymodon australasiae (Hook & Grev.) Zander = *Trichostomopsis australasiae*
Didymodon capillaceus (Hedw.) Web. & Mohr = *Distichium capillaceum*

- Didymodon flavipes* C. Müll. = *Barbula enderesii*
Didymodon fragilis Hook. & Wils. = *Tortella fragilis*
Didymodon gigantea (Funck) Jur. = *Geheebia gigantea*
Didymodon homomallum Hedw. = *Ditrichum heteromallum*
Didymodon inclinatus (Hedw.) Web. & Mohr = *Distichium inclinatum*
Didymodon indicus (Hook.) Zander = *Barbula indica*
Didymodon lineare Sm. = *Ditrichum lineare*
Didymodon pusillus Hedw. = *Ditrichum pusillum*
Didymodon rigidulus var. *glaucus* (Ryan) Wijk & Marg. = *D. glaucus*
Didymodon rubellus B. S. & G. = *Bryoerythrophyllum recurvirostre*
Didymodon rubellus var. *cavernarum* Mol. = *Bryoerythrophyllum rubrum*
Didymodon rubellus var. *dentatus* Schimp. = *Bryoerythrophyllum alpigenum*
Didymodon ruber Jur. = *Bryoerythrophyllum rubrum*
Didymodon rufus Lor. = *D. asperifolius*
Didymodon spathulatus De Not. = *Desmatodon latifolius* var. *muticus*
Didymodon systilius (Schimp.) Kindb. = *Desmatodon systilius*
Didymodon trifarius (Hedw.) Röhl. = *D. luridus*
Didymodon umbrosus (C. Müll.) Zander = *Trichostomopsis umbrosa*
Didymodon validus Limpr. = *D. rigidulus* var. *validus*
Didymodon vinealis var. *flaccidus* (B. S. & G.) Zander = *D. insulanus*
Diphyscium sessile (Schmid.) Lindb. = *D. foliosum*
Dissodon froelichianus (Hedw.) Grev. & Arnott = *Tayloria froelichiana*
Dissodon hornschruchii Grev. & Arnott = *Tayloria hornschruchii*
Dissodon splachnoides (Thunb.) Grev. & Arnott = *Tayloria lingulata*
Ditrichum flexicaule var. *longifolium* (Zett.) Hag. = *D. crispatisimum*
Ditrichum giganteum Williams = *D. crispatisimum*
Ditrichum glaucescens (Hedw.) Broth. = *Saelania glaucescens*
Ditrichum heteromallum var. *zonatum* Podp. = *D. zonatum*
Ditrichum homomallum (Hedw.) Hampe = *D. heteromallum*
Ditrichum tortile (Schr.) Brockm. = *D. pusillum*
Ditrichum vaginas (Sull.) Hampe = *D. lineare*
Dolichotheca repens Pollich. = *Herzogiella seligeri*
Dolichotheca seligeri (Brid.) Loeske = *Herzogiella seligeri*
Drepanium cupressiforme Hedw. = *Hypnum cupressiforme*
Drepanium pratense (Koch) Roth. = *Breidleria pratensis*
Drepanium sauteri (Schimp.) Roth = *Hypnum sauteri*
Drepanium vaucheri (Lesq.) Roth = *Hypnum vaucheri*
Drepanocladus aduncus var. *kneiffii* (Schimp.) Warnst. = *D. polycarpus*
Drepanocladus aduncus var. *polycarpus* (Blandow. ex Voit) Roth = *D. polycarpus*
Drepanocladus cossonii (Schimp.) Loeske = *Scorpidium cossonii*
Drepanocladus cupressiforme L. = *Hypnum cupressiforme*
Drepanocladus exannulatus (B. S. & G.) Warnst. = *Warnstorfia exannulata*
Drepanocladus exannulatus var. *rotae* De Not. = *Warnstorfia exannulata* var. *nigricans*
Drepanocladus fluitans (Hedw.) Warnst. = *Warnstorfia fluitans*
Drepanocladus fluitans var. *falcatus* (C. Jens.) Roth = *Warnstorfia fluitans* var. *falcatus*

- Drepanocladus intermedius* (Lindb.) Warnst. = *Scorpidium cossonii*
Drepanocladus lycopodioides (Brid.) Warnst. = *Pseudocalliergon lycopodioides*
Drepanocladus pseudofluitans (San.) Warnst. = *D. aduncus*
Drepanocladus purpurascens var. *rotae* (De Not.) Roth = *Warnstorfia exannulata* var. *nigricans*
Drepanocladus revolvens (Sw.) Warnst. = *Scorpidium revolvens*
Drepanocladus revolvens var. *intermedium* (Lindb.) Wilson = *Scorpidium cossonii*
Drepanocladus rotae De Not. = *Warnstorfia exannulata* var. *nigricans*
Drepanocladus uncinatus (Hedw.) Warnst. = *Sanionia uncinata*
Drepanocladus vernicosus (Mitt.) Warnst. = *Hamatocaulis vernicosus*
Drepanocladus wilsonii (Lindb.) Loeske = *D. sendtneri*
Dryptodon atratus (Hornsch.) Limpr. = *Grimmia atrata*
Dryptodon funalis (Schwägr.) Brid. = *Grimmia funalis*
Dryptodon hartmanii (Schimp.) Limpr. = *Grimmia hartmanii*
Dryptodon incurvus Brid. = *Grimmia elatior*
Dryptodon ovatus Brid. = *Grimmia ovalis*
Dryptodon patens (Hedw.) Brid. = *Grimmia curvata*
Dubyella italica Schimp. = *Helicodontium italicum*
Encalypta apophysata Nees & Hornsch. = *E. affinis*
Encalypta commutata Nees & Hornsch. = *E. alpina*
Encalypta contorta Hoppe = *E. streptocarpa*
Encalypta lacera De Not. = *E. alpina*
Encalypta laciniata Lindb. = *E. ciliata*
Encalypta laciniata var. *microstoma* (Bals. & De Not.) Husn. = *E. microstoma*
Encalypta lanceolata Hedw. = *Pottia lanceolata*
Encalypta raptocarpa var. *spathulata* Hag. = *E. spathulata*
Entodon orthocarpus (De Not.) Par. = *E. concinnus*
Entodon schreberi (Willd.) Mönk. = *Pleurozium schreberi*
Entosthodon curvisetus (Schwägr.) C. Müll. = *Funariella curviseta*
Entosthodon ericetorum (De Not.) C. Muell. = *E. obtusus*
Entosthodon maroccanum (Meylan) Hébrard. & Lo Giudice = *E. hungaricus*
Entosthodon notarisii (Schimp.) Picone = *E. obtusus*
Entosthodon pallescens Jur. = *E. durieui*
Entosthodon pallescens var. *mitratus* (Cas. Gil.) Wijk & Marg. = *E. durieui*
Entosthodon templetonii (Sm.) Schwägr. = *E. attenuatus*
Ephemerella recurvifolia (Dicks.) Schimp. = *Ephemerum recurvifolium*
Ephemerella sessilis (Bruch & Schimp.) Nyh. = *Ephemerum sessile*
Ephemerum longifolium Schimp. = *E. serratum* var. *rutheanum*
Ephemerum minutissimum Lindb. = *E. serratum* var. *minutissimum*
Ephemerum serratum var. *angustifolium* B. S. & G. = *E. serratum* var. *minutissimum*
Ephemerum stenophyllum (Voit) Schimp. = *E. sessile*
Erythrophyllum rubellum (Hedw.) Loeske = *Bryoerythrophyllum recurvirostre*
Erythrophyllum rubellum var. *dentatus* Schimp. = *Bryoerythrophyllum alpigenum*
Eucladium styriacum Glow. = *E. verticillatum*
Eucladium verbanum Nich. & Dix. = *Didymodon glaucus*

- Eurhynchium abbreviatum* (Turn.) Brockm. = *E. schleicheri*
Eurhynchium androgynum (B. S. & G.) Schimp. = *E. speciosum*
Eurhynchium circinatum (Brid.) Fleisch. & Loeske = *Scorpiurium circinatum*
Eurhynchium circinatum var. *deflexifolium* (Solms) Boulay = *Scorpiurium deflexifolium*
Eurhynchium circinatum var. *leskeoides* (Suse) Mönk. = *Scorpiurium sendtneri*
Eurhynchium circinatum var. *mysuroides* Bott. = *Scorpiurium deflexifolium*
Eurhynchium circinatum var. *rivulare* (De Not.) Bott. = *Scorpiurium deflexifolium*
Eurhynchium circinatum var. *sendtneri* Schimp. = *Scorpiurium sendtneri*
Eurhynchium cirrosum (Schwägr.) Mol. = *Cirriphyllum cirrosum*
Eurhynchium cirrosum var. *funckii* (Schimp.) Herz. = *E. crassinervium*
Eurhynchium cirrosum var. *molendoi* (Schimp.) Limpr. = *Cirriphyllum cirrosum*
Eurhynchium confertum (Dicks.) Br. eur. = *Rhynchostegium confertum*
Eurhynchium curvisetum (Brid.) Limpr. = *Rhynchostegiella curviseta*
Eurhynchium diversifolium B. S. & G. = *E. praelongum* var. *diversifolium*
Eurhynchium histrio Mol. = *Cirriphyllum cirrosum*
Eurhynchium piliferum (Hedw.) Grout = *Cirriphyllum piliferum*
Eurhynchium praelongum ssp. *schleicheri* (Hedw.) Kindb. = *E. schleicheri*
Eurhynchium praelongum ssp. *swartzii* (Turn.) Kindb. = *E. hians*
Eurhynchium praelongum var. *atrovirens* Brid. = *E. hians* var. *rigidum*
Eurhynchium stokesii (Turn.) Br. eur. = *E. praelongum* var. *stokesii*
Eurhynchium striatum ssp. *meridionale* (B. S. & G.) Amann = *E. meridionale*
Eurhynchium striatum var. *meridionale* (B. S. & G.) Schimp. = *E. meridionale*
Eurhynchium strigosum (Web. & Mohr) Schimp. = *E. pulchellum*
Eurhynchium strigosum var. *praecox* (Hedw.) Husn. = *E. pulchellum* var. *praecox*
Eurhynchium swartzii (Turn.) Curnow = *E. hians*
Eurhynchium swartzii var. *abbreviatum* Dix. = *E. schleicheri*
Eurhynchium swartzii var. *meridionale* (Boul.) Warnst. = *E. hians* var. *rigidum*
Eurhynchium swartzii var. *robustum* Limpr. = *E. hians* var. *rigidum*
Eurhynchium teesdalei Schimp. = *Rhynchostegiella teesdalei*
Eurhynchium tenellum (Dicks.) Milde = *Rhynchostegiella tenella*
Eurhynchium ticinese (Kindb.) Kindb. = *Rhynchostegiella teesdalei*
Eurhynchium tommasinii Sendtn. = *Cirriphyllum tommasinii*
Eurhynchium vaucheri (Br. eur.) Loeske & Fleisch. = *Cirriphyllum tommasinii*
Eurhynchium velutinoides (Bruch) Br. eur. = *E. flotowianum*
Eurhynchium zetterstedtii Störm. = *E. angustirete*
Fabronia major De Not. = *F. ciliaris*
Fabronia notarisii Schimp. = *Habrodon perpusillus*
Fabronia octoblepharis (Schleich.) Schwägr. = *F. ciliaris*
Fabronia schimperiana De Not. = *F. pusilla*
Fissidens julianus (Cand.) Schimp. = *F. fontanus*
Fontinalis androgyna (Ruthe) Mönk. = *F. antipyretica*
Fontinalis antipyretica ssp. *kindbergii* (Ren. & Card.) Card. = *F. kindbergii*
Fontinalis antipyretica var. *latifolia* Milde = *F. antipyretica* var. *gigantea*
Fontinalis antipyretica var. *robusta* Card. = *F. antipyretica* var. *gigantea*
Fontinalis capillacea L. = *Dichelyma capillacea*

- Fontinalis cavareana* Farn. = *F. dalecarlica*
Fontinalis cavifolia Warnst. & Fleisch. = *F. antipyretica*
Fontinalis dolosa Card. = *F. antipyretica*
Fontinalis duriaei Schimp. = *F. hypnoides* var. *duriaei*
Fontinalis gracilis Lindb. = *F. antipyretica* var. *gracilis*
Fontinalis hypnoides var. *ramosa* Farn. = *F. hypnoides* var. *duriaei*
Fontinalis juliana Savi = *F. fontanus*
Fontinalis minor L. = *F. antipyretica*
Fontinalis pennata Huds. = *Neckera pumila*
Fontinalis ravanii Hy = *F. hypnoides*
Fontinalis squamosa var. *tenella* Br. & Schimp. = *F. hypnoides*
Funaria attenuata (Dicks.) Lindb. = *Entosthodon attenuatus*
Funaria calcarea var. *convexa* (Spruce) Husn. = *F. convexa*
Funaria calvescens Schwägr. = *F. hygrometrica* var. *calvescens*
Funaria curviseta (Schwägr.) Milde = *Funariella curviseta*
Funaria fascicularis (Hedw.) C. Muell. = *Entosthodon fascicularis*
Funaria hygrometrica var. *patula* B.S. & G. = *F. hygrometrica* var. *muralis*
Funaria obtusa (Hedw.) Lindb. = *Entosthodon obtusus*
Funaria pustulosa Zodda = *F. convexa*
Georgia pellucida Hedw. = *Tetraphis pellucida*
Glyphomitrium polyphyllum (Sw.) Mitt. = *Ptychomitrium polyphyllum*
Grimmia atrofusca Schimp. = *Schistidium atrofusum*
Grimmia africana Arnott = *G. orbicularis*
Grimmia alpestris Limpr. = *G. alpestris*
Grimmia alpestris Nees = *G. alpestris*
Grimmia alpestris Schleich. = *G. alpestris*
Grimmia alpestris var. *sessitana* (De Not.) Hag. = *G. sessitana*
Grimmia alpicola Sw. = *Schistidium agassizii*
Grimmia alpicola var. *latifolia* (Zett.) Möller = *Schistidium rivulare* ssp. *latifolium*
Grimmia alpicola var. *rivularis* (Brid.) Wahlenb. = *Schistidium rivulare* ssp. *rivulare*
Grimmia anceps Boul. = *G. sessitana*
Grimmia andreaeoides Limpr. = *Didymodon rigidulus*
Grimmia apocarpa Hedw. = *Schistidium apocarpum*
Grimmia apocarpa ssp. *vulgaris* Bertsch = *Schistidium apocarpum*
Grimmia apocarpa var. *alpicola* (Sw. ex Hedw.) = *Schistidium agassizii*
Grimmia apocarpa var. *atrofusca* (Schimp.) Husn. = *Schistidium atrofusum*
Grimmia apocarpa var. *dupretii* (Thér.) Sayre = *Schistidium dupretii*
Grimmia apocarpa var. *grisea* Nees & Hornsch. = *Schistidium brunnescens* ssp. *griseum*
Grimmia apocarpa var. *linearis* Chal. = *Schistidium agassizii*
Grimmia apocarpa var. *pruinosa* (Wils. ex Schimp.) Husn. = *Schistidium pruinsum*
Grimmia apocarpa var. *rivularis* (Brid.) Weber & Mohr = *Schistidium rivulare* ssp. *rivulare*
Grimmia apocarpa var. *striatula* Latz. = *Schistidium elegantulum* ssp. *elegantulum*
Grimmia atrovirens Sm. = *Tortula atrovirens*
Grimmia bifrons De Not. = *G. donniana*
Grimmia brunnescens (Limpr.) Par. = *Schistidium brunnescens* ssp. *brunnescens*

- Grimmia calvescens* Kindb. = *G. funalis*
Grimmia campestris Burchell ex Hook. = *G. laevigata*
Grimmia commutata Hueb. = *G. ovalis*
Grimmia conferta Funck = *Schistidium confertum*
Grimmia conferta var. *latifolia* De Not. = *Schistidium confertum*
Grimmia conferta var. *pruinosa* (Wils. ex Schimp.) Braithw. = *Schistidium pruinosa*
Grimmia contorta Schimp. = *G. incurva*
Grimmia cribrosa Hedw. = *Coscinodon cribrosus*
Grimmia crinita var. *capillata* (De Not.) De Not. = *G. capillata*
Grimmia curvula Bruch = *G. arenaria*
Grimmia donii Sm. = *G. donniana*
Grimmia donniana ssp. *arenaria* (Hampe) Dix. = *G. arenaria*
Grimmia donniana var. *arenaria* (Hampe) Loeske = *G. arenaria*
Grimmia donniana var. *curvula* Spruce = *G. arenaria*
Grimmia dupretii Thér. = *Schistidium dupretii*
Grimmia flaccida (De Not.) Lindb. = *Schistidium flaccidum*
Grimmia fragilis Schimp. = *G. donniana*
Grimmia gigantea (Funck) Schimp. = *Geheebia gigantea*
Grimmia glyphomitrioides Bals. & De Not. = *Ptychomitrium incurvum*
Grimmia gracilis Schleich. ex Schwägr. = *Schistidium trichodon*
Grimmia hartmanii ssp. *anomala* (Hampe ex Schimp.) Loeske = *G. anomala*
Grimmia hartmanii var. *anomala* (Hampe) Mönk. = *G. anomala*
Grimmia holleri Mol. = *G. apiculata*
Grimmia homodictyon Dix. = *Schistidium robustum*
Grimmia inconspicua Bert. = *Fabronia pusilla*
Grimmia leucophaea Grev. = *G. laevigata*
Grimmia mesopotamica Schiffn. = *G. capillata*
Grimmia mixta Herzog = *G. sessitana*
Grimmia mollis B. S. & G. = *Hydrogrimmia mollis*
Grimmia obtusifolia Gao & Cao = *G. limprichtii*
Grimmia ovalis auct. non (Hedw.) Lindb. = *G. affinis*
Grimmia ovata var. *affinis* (Hornsch.) B. S. & G. = *G. affinis*
Grimmia ovata Web. & Mohr = *G. ovalis*
Grimmia patens (Hedw.) B. S. G. = *G. curvata*
Grimmia pulvinata var. *obtusa* Brid. = *G. pulvinata* var. *africana*
Grimmia recurvata Hedw. = *Seligeria recurvata*
Grimmia robusta Nees & Hornsch. = *Schistidium robustum*
Grimmia sardoa var. *robusta* Fleisch. & Warnst. = *G. lisae*
Grimmia schultzei (Brid.) Hüb. = *G. decipiens*
Grimmia spiralis Hook. & Tayl. = *G. funalis*
Grimmia stirtonii Schimp. = *G. trichophylla*
Grimmia subsquarrosa Wils. = *G. lisae*
Grimmia subsulcata Limpr. = *G. sessitana*
Grimmia sulcata Saut. = *G. caespiticia*
Grimmia trichophylla ssp. *muehlenbeckii* (Schimp.) Loeske = *G. muehlenbeckii*

- Grimmia trichophylla* var. *brachycarpa* De Not. = *G. lisae*
Grimmia trichophylla var. *meridionalis* Schimp. = *G. lisae*
Grimmia trichophylla var. *tenuis* (Wahlenb.) Wijk & Marg. = *G. muehlenbeckii*
Grimmia triformis Carest. & De Not. = *G. donniana*
Grimmia uncinata Kaulf. = *G. incurva*
Gymnostomum aestivum Hedw. = *Anoetangium aestivum*
Gymnostomum aquaticum (Hedw.) Web. & Mohr = *Cinclidotus aquaticus*
Gymnostomum bicolor B. S. & G. = *Barbula bicolor*
Gymnostomum caespitium Web. & Mohr = *Blindia caespiticia*
Gymnostomum calcareum var. *brevifolium* Bauer = *G. viridulum*
Gymnostomum curvirostre Hedw. = *Hymenostylium recurvirostre*
Gymnostomum curvirostre var. *scabrum* (Lindb.) Par. = *Hymenostylium recurvirostre*
 var. *latifolium*
Gymnostomum fasciculare Hedw. = *Entosthodon fascicularis*
Gymnostomum gracillimum Nees & Hornsch. = *G. calcareum*
Gymnostomum heimii Hedw. = *Desmatodon heimii*
Gymnostomum intermedium Turn. = *Pottia intermedia*
Gymnostomum luisieri (Sérgio) Sérgio ex Crundw. = *G. viridulum*
Gymnostomum minutulum Schwägr. = *Pottia davalliana*
Gymnostomum ovatum Hedw. = *Pterygoneurum ovatum*
Gymnostomum pyriforme Hedw. = *Physcomitrium pyriforme*
Gymnostomum rupestre Schleich. = *G. aeruginosum*
Gymnostomum sphaericum (Ludw.) Brid. = *Physcomitrium sphaericum*
Gymnostomum subsessile Brid. = *Pterygoneurum subsessile*
Gymnostomum truncatum Hedw. = *Pottia truncata*
Gyroweisia acutifolia Philib. = *G. tenuis* var. *badia*
Gyroweisia tenue Hedw. = *G. tenuis*
Habrodon notarisi Schimp. = *H. perpusillus*
Haplocladium microphyllum ssp. *virginianum* (Brid.) Reim. = *H. virginianum*
Haplocladium pulchellum (De Not.) Broth. = *H. angustifolium*
Hedwigia albicans Lindb. = *H. ciliata*
Hedwigia albicans var. *incana* (Swartz) Möll. = *H. ciliata* var. *leucophaea*
Hedwigia aquatica Hedw. = *Cinclidotus aquaticus*
Hedwigia ciliata var. *incana* Sw. ex Podp. = *H. ciliata* var. *leucophaea*
Hedwigia imberbis (Sm.) Spruce = *H. integrifolia*
Hedwigia sciurioides (Bals. & De Not.) De Not. = *Braunia alopecura*
Hedwigium integrifolium (P. Beauv.) Dix. = *Hedwigia integrifolia*
Heterocladium squarrosulum (Voit) Lindb. = *H. dimorphum*
Heterophyllum haldanianum (Grev.) Fleisch. = *Callicladium haldanianum*
Heterophyllum nemorosum (Brid.) Loeske = *H. affine*
Homalia complanata De Not. = *Neckera complanata*
Homalia sendtneriana B. S. & G. = *H. bessi*
Homalothecium fallax (Philib.) Philib. = *H. lutescens* var. *fallax*
Homalothecium nitens (Hedw.) Robins = *Tomentypnum nitens*
Homalothecium philippe (Spruce) Br. eur. = *H. philippeanum*

- Homalothecium sericeum* var. *robustum* Warnst. = *H. sericeum* var. *meridionale*
Hydrogonium ehrenbergii (Lor.) Jaeg. = *Barbula ehrenbergii*
Hydrogonium mediterraneum (C. Müll.) Ren. = *Barbula ehrenbergii*
Hygroamblystegium curvicaule (Jur.) Loeske = *Cratoneuron curvicaule*
Hygroamblystegium fallax (Brid.) Loeske = *Cratoneuron filicinum*
Hygroamblystegium filicinum (Hedw.) Loeske = *Cratoneuron filicinum*
Hygroamblystegium irriguum (Hook. & Wils.) Loeske = *H. tenax*
Hygrohypnum dilatatum (Wils.) Loeske = *H. duriusculum*
Hygrohypnum palustre (Brid.) Loeske = *H. luridum*
Hylocomiatrum umbratum (Ehrh.) Fleisch. = *Hylocomium umbratum*
Hylocomium loreum (L.) Br. eur. = *Rhytiadelphus loreus*
Hylocomium oakesii Sull. = *H. pyrenaicum*
Hylocomium proliferum Brid. = *H. splendens*
Hylocomium purum (Hedw.) De Not. = *Scleropodium purum*
Hylocomium rugosum De Not. = *Rhytidium rugosum*
Hylocomium schreberi Willd. = *Pleurozium schreberi*
Hylocomium squarrosus (L.) Br. eur. = *Rhytidiadelphus squarrosus*
Hylocomium squarrosus var. *subpinnatus* Lindb. = *Rhytidiadelphus subpinnatus*
Hylocomium subpinnatum Lindb. = *Rhytidiadelphus subpinnatus*
Hylocomium triquetrum (L.) Br. eur. = *Rhytidiadelphus triquetrum*
Hymenostomum microstomum (Hedw.) R. Brown = *Weissia brachycarpa*
Hymenostomum microstomum var. *brachycarpum* (Nees & Hornsch.) Hüb. = *Weissia brachycarpa*
Hymenostomum murale Spruce = *Weissia wimmeriana* ssp. *wimmeriana*
Hymenostomum rostellatum (Brid.) Schimp. = *Weissia rostellata*
Hymenostomum tortile (Schwägr.) B. S. & G. = *Weissia condensa*
Hymenostylium curvirostre Mitt. = *H. recurvirostre*
Hymenostylium curvirostre var. *scabrum* (Lindb.) Limpr. = *H. recurvirostre* var. *latifolium*
Hyophila riparia (Aust.) Fleisch. = *H. involuta*
Hypnum abietinum L. = *Thuidium abietinum*
Hypnum aciculare Scop. = *Racomitrium aciculare*
Hypnum aduncum Hedw. = *Drepanocladus aduncus*
Hypnum aduncum var. *blandowii* San. = *Drepanocladus aduncus*
Hypnum albicans Neck. ex Hedw. = *Brachythecium albicans*
Hypnum algerianum (P. Beauv.) Brid. = *Rhynchostegiella tenella*
Hypnum alopecurum L. = *Thamnobryum alopecurum*
Hypnum alpestre Sw. = *Hygrohypnum alpestre*
Hypnum alpinum Schimp. = *Hygrohypnum alpinum*
Hypnum arbuscula Brid. = *Thamnobryum alopecurum*
Hypnum arcticum Sommerf. = *Hygrohypnum smithii*
Hypnum arcuatum Lindb. = *Calliergonella lindbergii*
Hypnum atrovirens Dicks. = *Pseudoleskea incurvata*
Hypnum attenuatum (Hedw.) Sm. = *Anomodon attenuatus*
Hypnum aureum Hag. = *Homalothecium aureum*
Hypnum bottinii Breidl. = *Isopterygium tenerum*

- Hypnum breidleri* Jur. = *Calliergon richardsonii*
Hypnum brevirostre Ehrh. = *Hylocomium brevirostre*
Hypnum campestre (C. Muell.) Mitt. = *Brachythecium campestre*
Hypnum carinatum Scop. = *Platygyrium repens*
Hypnum cassubicum Scop. = *Homalothecium lutescens*
Hypnum catenulatum (Schräd.) Brid. = *Pseudoleskeella catenulata*
Hypnum chrysophyllum Brid. = *Campyliadelphus chrysophyllus*
Hypnum chrysophyllum var. *protensum* Vent. = *Campylium protensum*
Hypnum circinatum Brid. = *Scorpiurium circinatum*
Hypnum circinatum Brotero = *Pterogonium gracile*
Hypnum clavellatum L. = *Rhynchostegium confertum*
Hypnum cochlearifolium Vent. = *Hygrohypnum cochlearifolium*
Hypnum coelohypnum Moll. = *H. vaucheri*
Hypnum collinum Schleich. = *Brachythecium collinum*
Hypnum commutatum Hedw. = *Palustriella commutata*
Hypnum commutatum var. *falcatum* (Brid.) Giac. = *Palustriella falcata*
Hypnum complanatum L. = *Neckera complanata*
Hypnum compressus L. ex With. = *Ctenidium molluscum*
Hypnum concinnum De Not. = *Entodon concinnus*
Hypnum condensatum Schimp. = *H. bambergeri*
Hypnum confertum Schwaegr. = *Rhynchostegium confertum*
Hypnum confertum var. *megapolitanum* (Web. & Mohr) Hampe = *Rhynchostegium megapolitanum*
Hypnum confervoides Brid. = *Platydictya confervoides*
Hypnum contiguum Nees = *Sanionia uncinata*
Hypnum cordifolium Hedw. = *Calliergon cordifolium*
Hypnum cossonii Schimp. = *Scorpidium cossonii*
Hypnum crispum L. = *Neckera crispa*
Hypnum crista-castrensis L. = *Ptilium crista-castrensis*
Hypnum cupressiforme ssp. *resupinatum* (Tayl.) C. Hartm. = *H. resupinatum*
Hypnum cupressiforme var. *elatum* B.S. & G. = *H. lacunosum*
Hypnum cupressiforme var. *lacunosum* Brid. = *H. lacunosum*
Hypnum cupressiforme var. *mamillatum* Brid. = *H. andoi*
Hypnum cupressiforme var. *resupinatum* (Tayl.) Schimp. = *H. resupinatum*
Hypnum cupressiforme var. *tectorum* B. S. & G. = *H. lacunosum* var. *tectorum*
Hypnum curtispiculum (Hedw.) L. ex With. = *Antitrichia curtispicula*
Hypnum curvicaule Jur. = *Cratoneuron curvicaule*
Hypnum cuspidatum L. ex Hedw. = *Calliergonella cuspidata*
Hypnum cuspidatum var. *concinnum* (De Not.) De Not. = *Entodon concinnus*
Hypnum decipiens (De Not.) Limpr. = *Palustriella decipiens*
Hypnum demissum De Not. = *Sematophyllum demissum*
Hypnum dendroides L. = *Climacium dendroides*
Hypnum denticulatum L. = *Plagiothecium denticulatum*
Hypnum dilatatum Wils. = *Hygrohypnum duriusculum*
Hypnum dimorphum Brid. = *Heterocladium dimorphum*

- Hypnum dolomiticum* Milde = *H. revolutum* var. *dolomiticum*
Hypnum elodes Spruce = *Campyliadelphus elodes*
Hypnum erectum Raddi = *Hylocomium brevirostre*
Hypnum exannulatum B. S. & G. = *Warnstorfia exannulata*
Hypnum exannulatum var. *rotae* (De Not.) Pfeff. = *Warnstorfia exannulata* var. *nigricans*
Hypnum falcatum Brid. = *Palustriella falcata*
Hypnum fallaciosum Jur. = *Drepanocladus polygamus*
Hypnum filamentosum Dicks. = *Pseudoleskea incurvata*
Hypnum filicinum Hedw. = *Cratoneuron filicinum*
Hypnum flagellare Hedw. = *Brachythecium plumosum*
Hypnum fluitans L. = *Warnstorfia fluitans*
Hypnum fluitans var. *falcatum* (C. Jens.) Roth = *Warnstorfia fluitans* var. *falcatus*
Hypnum fluitans var. *pseudostramineum* Milde = *Warnstorfia pseudostraminea*
Hypnum fluviatile Sw. ex Hedw. = *Hygroamblystegium fluviatile*
Hypnum formianum (Fior.-Mazz.) G. Roth = *Cratoneuron filicinum* var. *atrovirens*
Hypnum fulgidulum Rota = *Sanionia uncinata*
Hypnum giganteum Schimp. = *Calliergon giganteum*
Hypnum glareosum Bruch ex Spruce = *Brachythecium glareosum*
Hypnum gouldii (Schimp.) Loeske = *Hygrohypnum cochlearifolium*
Hypnum gracile Savi = *Pterogonium gracile*
Hypnum haldanianum Grev. = *Callicladium haldanianum*
Hypnum halleri Swartz = *Campylophyllum halleri*
Hypnum hausmannii De Not. = *Leptodictyum riparium*
Hypnum heufleri Jur. = *H. revolutum*
Hypnum illecebrum L. = *Scleropodium touretii*
Hypnum incurvatum Brid. = *Homomallium incurvatum*
Hypnum incurvatum Hedw. = *Pseudoleskea incurvata*
Hypnum intermedium Lindb. = *Scorpidium cossonii*
Hypnum intricatum Schreb. ex Hedw. = *Brachythecium velutinum*
Hypnum irroratum C. Müll. = *Orthothecium intricatum*
Hypnum julaceum Schwägr. = *Myurella julacea*
Hypnum lindbergii Mitt. = *Calliergonella lindbergii*
Hypnum litoreum De Not. = *Rhynchostegiella litorea*
Hypnum longirostrum Brid. = *Eurhynchium striatum*
Hypnum loreum Hedw. = *Rhytidiadelphus loreus*
Hypnum lucens L. = *Hookeria lucens*
Hypnum lutescens Hedw. = *Homalothecium lutescens*
Hypnum lycopodioides Brid. = *Pseudocalliergon lycopodioides*
Hypnum mediterraneum Sendtn. = *Scorpiurium circinatum*
Hypnum medium Dicks. = *Leskea polycarpa*
Hypnum megapolitanum Bland. = *Rhynchostegium megapolitanum*
Hypnum meridionale De Not. = *Eurhynchium meridionale*
Hypnum mildeanum Schimp. = *Brachythecium mildeanum*
Hypnum molle Dicks. = *Hygrohypnum molle*
Hypnum molle var. *schimperi* (Lor.) Schimp. = *Hygrohypnum molle* var. *schimperi*

Hypnum molluscum Hedw. = *Ctenidium molluscum*
Hypnum moniliforme Wahlenb. = *Myurella julacea*
Hypnum muhlenbeckii Schimp. = *Herzogiella striatella*
Hypnum murale Dicks. = *Rhynchostegium murale*
Hypnum nemorosum Koch = *Heterophyllum affine*
Hypnum nitens Schreb. ex Hedw. = *Tomentypnum nitens*
Hypnum nivale Lor. = *Straminergon stramineum*
Hypnum oakesii Sull. = *Hylocomium pyrenaicum*
Hypnum ochraceum Turn. = *Hygrohypnum ochraceum*
Hypnum ornellanum Mol. = *Scleropodium ornellanum*
Hypnum ornithopodioides L. ex Brid. = *Neckera complanata*
Hypnum paludosum Arn. = *Leskea polycarpa*
Hypnum palustre L. = *Hygrohypnum luridum*
Hypnum parietinum L. ex Wahlenb. = *Pleurozium schreberi*
Hypnum patientiae Lindb. = *Calliergonalla lindbergii*
Hypnum pellucidum Wils. = *Hamatocaulis vernicosus*
Hypnum piliferum Schreb. ex Hedw. = *Cirriphyllum piliferum*
Hypnum plicatum Schleich. = *Ptychodium plicatum*
Hypnum plumosum Hedw. = *Brachythecium plumosum*
Hypnum polyanthos Schreb. = *Pylaisia polyantha*
Hypnum polycephalum Neck. = *Cryphaea heteromalla*
Hypnum polygamum Schimp. = *Drepanocladus polygamus*
Hypnum polymorphum Hedw. = *Eurhynchium praelongum* var. *stokesii*
Hypnum polymorphum Hook. & Tayl. = *Campyliadelphus chrysophyllus*
Hypnum populeum Hedw. = *Brachythecium populeum*
Hypnum praelongum Hedw. = *Eurhynchium praelongum*
Hypnum pratense (Rabenh.) W. D. J. Koch = *Breidleria pratensis*
Hypnum procerrimum Mol. = *Ctenidium procerrimum*
Hypnum proliferum L. = *Hylocomium splendens*
Hypnum protensum Brid. = *Campylium protensum*
Hypnum pseudofluitans (Hedw.) Warnst. = *Drepanocladus aduncus*
Hypnum pseudostramineum C. Müll. = *Warnstorfia pseudostraminea*
Hypnum pulchellum Dicks. = *Isopterygiopsis pulchella*
Hypnum pumilum Wils. = *Eurhynchium pumilum*
Hypnum purpurascens (Schimp.) Limpr. = *Warnstorfia exannulata*
Hypnum purum L. = *Scleropodium purum*
Hypnum pyrenaicum Spruce = *Hylocomium pyrenaicum*
Hypnum rabenhorstii Mol. = *Hamatocaulis vernicosus*
Hypnum recognitum Hedw. = *Thuidium recognitum*
Hypnum reflexum Starke = *Brachythecium reflexum*
Hypnum revolutum var. *dolomiticum* (Milde) Mönk. = *H. dolomiticum*
Hypnum revolvens Sw. = *Scorpidium revolvens*
Hypnum richardsonii (Mitt.) Lesq. & Jam. = *Calliergon richardsonii*
Hypnum riparioides Hedw. = *Rhynchostegium riparioides*
Hypnum riparium L. = *Leptodictyum riparium*

- Hypnum rivulare* (B. S. & G.) Bruch = *Brachythecium rivulare*
Hypnum rotae (De Not.) Bott. = *Warnstorfia exannulata* var. *nigricans*
Hypnum rotundifolium De Not. = *Rhynchostegium rotundifolium*
Hypnum rufescens Brid. = *Orthothecium rufescens*
Hypnum rugosum (L.) Ehrh. = *Rhytidium rugosum*
Hypnum rugulosum Web. & Mohr = *Rhytidium rugosum*
Hypnum rusciforme Weiss ex Brid. = *Rhynchostegium riparioides*
Hypnum rutabulum Hedw. = *Brachythecium rutabulum*
Hypnum salebrosum Hoffm. ex Web. & Mohr = *Brachythecium salebrosum*
Hypnum sarmentosum Wahlenb. = *Warnstorfia sarmentosa*
Hypnum schimperi Lor. = *Sematophyllum demissum*
Hypnum schimperianum Lor. = *Hygrohypnum molle* var. *schimperianum*
Hypnum schleicheri Hedw. = *Eurhynchium schleicheri*
Hypnum schreberi Willd. ex Brid. = *Pleurozium schreberi*
Hypnum sciuroides Hedw. = *Leucodon sciuroides*
Hypnum scorpioides L. = *Scorpidium scorpioides*
Hypnum sendtneri Schimp. = *Drepanocladus sendtneri*
Hypnum sericeum L. = *Homalothecium sericeum*
Hypnum silesiacum P. Beauv. = *Herzogiella seligeri*
Hypnum solmsii Kindb. = *Sanionia uncinata*
Hypnum sommerfeltii Myr. = *Campylophyllum sommerfeltii*
Hypnum speciosum Brid. = *Eurhynchium speciosum*
Hypnum splendens Hedw. = *Hylocomium splendens*
Hypnum squarrosus L. = *Rhytidiadelphus squarrosus*
Hypnum squarrosus var. *calvescens* (Wils.) Hobkirk = *Rhytidiadelphus subpinnatus*
Hypnum starkei Brid. = *Brachythecium starkei*
Hypnum stellatum Schreb. ex Hedw. = *Campylium stellatum*
Hypnum stellatum var. *minus* (Lindb.) Kindb. = *Campyliadelphus chrysophyllus*
Hypnum stellatum var. *protensum* (Brid.) Röhl. = *Campylium protensum*
Hypnum stokesii (Turn.) Br. eur. = *Eurhynchium praelongum* var. *stokesii*
Hypnum stramineum Dicks. ex Brid. = *Straminergon stramineum*
Hypnum striatum Schreb. ex Hedw. = *Eurhynchium striatum*
Hypnum strigosum Hoffm. = *Eurhynchium pulchellum*
Hypnum subaduncum (Warnst). Mönk. = *Drepanocladus aduncus*
Hypnum subsphaericarpon Schleich. = *Hygrohypnum luridum* var. *subsphaericarpon*
Hypnum subtile (Hedw.) Dicks. = *Platydictya subtilis*
Hypnum tamariscinum Hedw. = *Thuidium tamariscinum*
Hypnum teesdalei Schimp. = *Rhynchostegiella teesdalei*
Hypnum tenellum Dicks. = *Rhynchostegiella tenella*
Hypnum thomasi Brid. = *Brachythecium salebrosum*
Hypnum trichodes Haller = *Herzogiella seligeri*
Hypnum trichomanoides Hedw. = *Homalia trichomanoides*
Hypnum trifarium Web. & Mohr = *Pseudocalliergon trifarium*
Hypnum triquetrum (L.) Br. eur. = *Rhytidiadelphus triquetrus*
Hypnum turgescens T. Jens. = *Pseudocalliergon turgescens*

- Hypnum umbratum* Ehrh. = *Hylocomium umbratum*
Hypnum uncinatum Hedw. = *Sanionia uncinata*
Hypnum undulatum L. = *Plagiothecium undulatum*
Hypnum vallis-clausae Brid. = *Cratoneuron filicinum* var. *atrovirens*
Hypnum velutinum L. ex Hedw. = *Brachythecium velutinum*
Hypnum vernicosum Lindb. = *Hamatocaulis vernicosus*
Hypnum viticulosum (Hedw.) L. ex With. = *Anomodon viticulosus*
Hypnum wissgrillii Garov. = *Taxiphyllum wissgrillii*
Isopterygium bottinii (Breidl.) Kindb. = *I. tenerum*
Isopterygium depressum (Bruch) Mitt. = *Taxiphyllum wissgrillii*
Isopterygium elegans (Brid.) Lindb. = *Pseudotaxiphyllum elegans*
Isopterygium muellerianum Schimp. = *Isopterygiopsis muelleriana*
Isopterygium piliferum (Hartm.) Loeske = *Plagiothecium piliferum*
Isopterygium seligeri (Brid.) Dix. = *Herzogiella seligeri*
Isothecium catenulatum Brid. = *Pseudolekeella catenulata*
Isothecium filescens (Brid.) Mönk. = *Eurhynchium striatulum*
Isothecium julaceum Brid. = *Myurella julacea*
Isothecium moniliforme Hüb. = *Myurella julacea*
Isothecium rufescens Hüb. = *Orthothecium rufescens*
Isothecium sericeum Spruce = *Homalothecium sericeum*
Lasia smithii Brid. = *Leptodon smithii*
Leptobryum lutescens (Limpr.) Mönk. = *Pohlia lutescens*
Leptodictyum kochii (B.S. & G.) Warnst. = *L. humile*
Leptohyemium gracile Hüb. = *Pterogonium gracile*
Leptotrichum flexicaule (Schwägr.) B. S. & G. = *Ditrichum flexicaule*
Leptotrichum flexicaule var. *longifolium* Zett. = *Ditrichum crispatisimum*
Leptotrichum homomallum (Hedw.) Hampe = *Ditrichum heteromallum*
Leptotrichum molendoanum Lor. = *Ditrichum zonatum*
Leptotrichum pallidum (Hedw.) Hampe = *Ditrichum pallidum*
Leptotrichum subulatum Hampe = *Ditrichum subulatum*
Leptotrichum tortile (Schrad.) Hampe = *Ditrichum pusillum*
Leptotrichum vaginas (Sull.) Mol. = *Ditrichum lineare*
Lescuraea incurvata (Hedw.) Lawt. = *Pseudoleskea incurvata*
Lescuraea mutabilis var. *decipiens* (Limpr.) Mönk. = *L. saxicola*
Lescuraea mutabilis var. *saxicola* (Mol.) Br. eur. = *L. saxicola*
Lescuraea patens (Lindb.) H. Arn. & C. Jens. = *Pseudoleskea patens*
Lescuraea striata (Schwägr.) Br. eur. = *L. mutabilis*
Lescuraea striata var. *decipiens* (Limpr.) Mönk. = *L. saxicola*
Lescuraea striata var. *saxicola* Schimp. = *L. saxicola*
Leskea atrovirens Trev. = *Pseudoleskea incurvata*
Leskea attenuata Hedw. = *Anomodon attenuatus*
Leskea catenulata (Brid.) Mitt. = *Pseudoleskeella catenulata*
Leskea complanata Hedw. = *Neckera complanata*
Leskea dendroides Hedw. = *Climacium dendroides*
Leskea fragilis Hook. f. & Wils. = *Haplohyemium triste*

- Leskea incurvata* Hedw. = *Pseudoleskea incurvata*
Leskea nervosa (Schw.) Myrin = *Pseudoleskeella nervosa*
Leskea paludosa Hedw. = *L. polycarpa*
Leskea polyantha Hedw. = *Pylaisia polyantha*
Leskea rostrata Hedw. = *Anomodon rostratus*
Leskea rufescens Schwägr. = *Orthothecium rufescens*
Leskea sericea Hedw. = *Homalothecium sericeum*
Leskea subenervis Schwägr. = *Myrinia pulvinata*
Leskea subtilis Hedw. = *Platydictya subtilis*
Leskea tectorum (A. Braun.) Lindb. = *Pseudoleskeella tectorum*
Leskea trichomanoides Hedw. = *Homalia trichomanoides*
Leskea tristis Ces. = *Haplohymenium triste*
Leskeella nervosa Loeske = *Pseudoleskeella nervosa*
Leskeobryum brevirostre (Schwägr.) Fleisch. = *Hylocomium brevirostre*
Leucobryum albidum auct. = *L. juniperoideum*
Leucobryum glaucum ssp. *albidum* (P. Beauv.) Dix. = *L. juniperoideum*
Leucodon morensis Schwägr. = *L. sciuroides* var. *morensis*
Limnobium alpinum Schimp. = *Hygrohypnum alpinum*
Limnobium arcticum Sommerf. = *Hygrohypnum smithii*
Limnobium cochlearifolium Vent. = *Hygrohypnum cochlearifolium*
Limnobium dilatatum Wils. = *Hygrohypnum duriusculum*
Limnobium molle De Not. = *Hygrohypnum molle*
Limnobium palustre Br. eur. = *Hygrohypnum luridum*
Limnobium subsphaericum De Not. = *Hygrohypnum luridum* var. *subsphaericum*
Meesia alpina Funck = *M. uliginosa* var. *alpina*
Meesia dealbata Hedw. = *Amblyodon dealbatus*
Meesia trichodes Spruce = *M. uliginosa*
Meesia trichodes var. *alpina* (Bruch) Braithw. = *M. uliginosa* var. *alpina*
Meesia trifaria Crum, Steere & Anderson = *M. triquetra*
Meesia tristicha Br. eur. = *M. triquetra*
Meesia uliginosa var. *minor* Schwägr. = *M. uliginosa* var. *alpina*
Merceya ligulata (Spruce) Schimp. = *Scopelophila ligulata*
Microbryum floerkeanum Schimp. = *Phascum floerkeanum*
Mielichhoferia elongata (Hoppe & Hornsch.) Nees & Hornsch. = *M. mielichhoferiana* var. *elongata*
Mielichhoferia mielichhoferi (Hook.) Wijk & Marg. = *M. mielichhoferiana*
Mielichhoferia nitida Nees & Hornsch. = *M. mielichhoferiana*
Mielichhoferia nitida var. *elongata* (Hoppe & Hornsch.) B. & S. = *M. mielichhoferiana* var. *elongata*
Mildeella bryoides (Dicks.) Limpr. = *Pottia bryoides*
Mniobryum albicans (Wahlenb.) Limpr. = *Pohlia wahlenbergii*
Mniobryum albicans var. *calcareum* (Warnst.) Mönk. = *Pohlia wahlenbergii* var. *calcareum*
Mniobryum albicans var. *glaciale* = *Pohlia wahlenbergii* var. *glacialis*
Mniobryum atropurpureum (Wahlenb.) Hag. = *Pohlia atropurpurea*

- Mniobryum carneum* (Schimp.) Limpr. = *Pohlia melanodon*
Mniobryum delicatulum (Hedw.) Dix. = *Pohlia melanodon*
Mniobryum ludwigii (Schwägr.) Loeske = *Pohlia ludwigii*
Mniobryum lutescens (Limpr.) Loeske = *Pohlia lutescens*
Mniobryum vexans Limpr. = *Pohlia vexans*
Mniobryum wahlenbergii (Web. & Mohr) Jenn. = *Pohlia wahlenbergii*
Mniobryum wahlenbergii var. *calcareum* (Warnst.) Wijk & Marg. = *Pohlia wahlenbergii* var. *calcareum*
Mnium affine Bland. = *Plagiomnium affine*
Mnium affine var. *elatum* B. S. & G. = *Plagiomnium elatum*
Mnium affine var. *medium* (B. & S.) Husn. = *Plagiomnium medium*
Mnium affine var. *rugicum* (Laur.) B. S. & G. = *Plagiomnium ellipticum*
Mnium androgynum (Hedw.) Lindb. = *Aulacomnium androgynum*
Mnium caespitium var. *warneum* Röhl. = *Bryum warneum*
Mnium cinclidioides Hüb. = *Pseudobryum cinclidioides*
Mnium cuspidatum Hedw. = *Plagiomnium cuspidatum*
Mnium ellipticum Brid. = *Plagiomnium ellipticum*
Mnium hymenophylloides Hüb. = *Cyrtomnium hymenophylloides*
Mnium insigne Mitt. = *Plagiomnium elatum*
Mnium longirostre Brid. = *Plagiomnium rostratum*
Mnium lycopodioides auct. eur. non Schwägr. = *M. ambiguum*
Mnium lycopodioides Schwägr. = *M. thomsonii*
Mnium lycopodioides ssp. *orthorrhynchum* (Lindb.) Wijk & Marg. = *M. thomsonii*
Mnium medium B. S. & G. = *Plagiomnium medium*
Mnium orthorrhynchum ssp. *lycopodioides* Podp. = *M. ambiguum*
Mnium palustre Hedw. = *Aulacomnium palustre*
Mnium pseudopunctatum Bruch & Schimp. = *Rhizomnium pseudopunctatum*
Mnium pseudotriquetrum Hedw. = *Bryum pseudotriquetrum*
Mnium punctatum Hedw. = *Rhizomnium punctatum*
Mnium punctatum var. *elatum* Schimp. = *Rhizomnium magnifolium*
Mnium pyriforme (Hedw.) Funck = *Leptobryum pyriforme*
Mnium riparium Mitt. = *M. marginatum* var. *dioicum*
Mnium roseum Hedw. = *Rhodobryum roseum*
Mnium rostratum Schrad. = *Plagiomnium rostratum*
Mnium rugicum Kaur. = *Plagiomnium ellipticum*
Mnium seligeri Jur. = *Plagiomnium elatum*
Mnium serratum Brid. = *M. marginatum*
Mnium subglobosum Bruch & Schimp. = *Rhizomnium pseudopunctatum*
Mnium triquetrum L. = *Meesia triquetra*
Mnium turbinatum Hedw. = *Bryum turbinatum*
Mnium undulatum Hedw. = *Plagiomnium undulatum*
Molendoa hornschuchiana (Hook.) Lindb. = *Anoetangium hornschuchianum*
Molendoa sendtneriana (Br. Eur.) Limpr. = *Anoetangium sendtnerianum*
Myrella apiculata (Hüb.) Schimp. = *M. tenerrima*
Myrella careyana Sull. = *M. sibirica*

- Neckera attenuata* (Hedw.) Myr. = *Anomodon attenuatus*
Neckera bessi (Lob.) Jur. = *Homalia bessi*
Neckera cladorrhizans Hedw. = *Entodon cladorrhizans*
Neckera curtispindula Timm. ex Hedw. = *Antitrichia curtispindula*
Neckera heteromalla Hedw. = *Cryphaea heteromalla*
Neckera lejophylla Güm. = *Homalia bessi*
Neckera menziesii Hook. = *Metaneckera menziesii*
Neckera perpusilla C. Müll. = *Habrodon perpusillus*
Neckera pumila var. *philippeana* (B. S. & G) Milde = *N. pumila* var. *pilifera*
Neckera sendtneriana B. S. & G. = *Homalia bessi*
Neckera turgida Jur. = *Metaneckera menziesii*
Neckera viticulosa Leys = *Anomodon viticulosus*
Neckera webbiana (Mont.) Düll = *Homalia bessi*
Neckeradelphus menziesii (Hook.) Steere = *Metaneckera menziesii*
Notarisia italica Hampe = *Ptychomitrium incurvum*
Octodiceras fontanum (Bach. Pyl.) Lindb. = *Fissidens fontanus*
Octodiceras julianum Brid. = *Fissidens fontanus*
Oligotrichum incurvum Lindb. = *O. hercynicum*
Oncophorus bruntonii Lindb. = *Cynodontium bruntonii*
Oncophorus sardous Herz. = *O. virens*
Oreas mielichhoferi (Hook.) Brid. = *Mielichhoferia mielichhoferiana*
Oreoweisia bruntonii Milde = *Cynodontium bruntonii*
Oreoweisia serrulata De Not. = *O. torquescens*
Orthodicranum flagellare (Hedw.) Loeske = *Dicranum flagellare*
Orthodicranum fragilifolium (Lindb.) Podp. = *Dicranum fragilifolium*
Orthodicranum montanum (Hedw.) Loeske = *Dicranum montanum*
Orthodicranum strictum Broth. = *Dicranum tauricum*
Orthothecium binervulum Moll. = *O. strictum*
Orthothecium durieui (Mont.) Besch. = *Rhynchostegiella durieui*
Orthotrichum aetnense De Not. = *O. rupestre*
Orthotrichum affine var. *fastigiatum* (Brid.) Huebener = *O. affine*
Orthotrichum arcangelianum Massari = *O. laevigatum*
Orthotrichum arnellii Grönv. = *O. pallens*
Orthotrichum braunii Br. eur. = *O. stellatum*
Orthotrichum crispum Hedw. = *Ulota crispa*
Orthotrichum cupulatum var. *papillosum* Grönv. = *O. cupulatum* var. *fuscum*
Orthotrichum cupulatum var. *rudolphianum* Schimp. = *O. cupulatum* var. *riparium*
Orthotrichum cupulatum var. *sardagnanum* (Venturi) Venturi = *O. cupulatum*
Orthotrichum fallax Bruch ex Brid. = *O. schimperi*
Orthotrichum fastigiatum Brid. = *O. affine*
Orthotrichum franzonianum De Not. = *O. rupestre*
Orthotrichum gracile Herzog non Hook = *O. rupestre*
Orthotrichum hutchinsiae Sm. = *Ulota hutchinsiae*
Orthotrichum kaurinii Grönv. = *O. pumilum*
Orthotrichum lejocarpum Br. eur. = *O. striatum*

- Orthotrichum lejocarpum* ssp. *shawii* (Wils.) Kindb. = *O. shawii*
Orthotrichum leucomitrium Br. eur. = *O. scanicum*
Orthotrichum limprichtii Hagen = *O. cupulatum* var. *fuscum*
Orthotrichum ludwigii Brid. = *Ulota coarctata*
Orthotrichum nigrum B. S. & G. = *Ulota hutchinsiae*
Orthotrichum nudum Dicks. = *O. cupulatum* var. *riparium*
Orthotrichum octoblephare Brid. = *O. affine*
Orthotrichum pallens var. *paradoxum* (Grönv.) Düll. = *O. pallens*
Orthotrichum pallens var. *parvum* Vent. = *O. microcarpum*
Orthotrichum pallidum Grönv. = *O. pallens*
Orthotrichum paradoxum Grönv. = *O. pallens*
Orthotrichum perforatum Limpr. = *O. cupulatum* var. *fuscum*
Orthotrichum pumilum var. *obscurum* Vent. = *O. pallens*
Orthotrichum pumilum var. *philibertii* Vent. = *O. philibertii*
Orthotrichum pumilum var. *schimperi* (Hammar) Hinn. = *O. schimperi*
Orthotrichum rupestre ssp. *shawii* (Wils.) Boul. = *O. shawii*
Orthotrichum rupestre var. *franzonianum* (De Not. ex Venturi) Venturi = *O. rupestre*
Orthotrichum rupestre var. *sturmii* (Hoppe & Hornsch.) Jur. = *O. rupestre*
Orthotrichum sardagnanum Vent. = *O. cupulatum*
Orthotrichum saxatile Brid. = *O. anomalum*
Orthotrichum schimperi var. *philibertii* (Vent.) Boul. = *O. philibertii*
Orthotrichum schubartianum Lor. = *O. urnigerum*
Orthotrichum stramineum ssp. *patens* (Bruch) Giac. = *O. patens*
Orthotrichum stramineum var. *patens* (Bruch ex Brid.) Vent. = *O. patens*
Orthotrichum sturmii Hoppe & Hornsch. = *O. rupestre*
Orthotrichum subalpinum Limpr. = *O. rogeri*
Orthotrichum ticinense De Not. = *O. rogeri*
Orthotrichum urnigerum var. *schubartianum* (Lorentz) Venturi = *O. urnigerum*
Orthotrichum urnigerum var. *venturii* (De Not.) Vent. & Bott. = *O. urnigerum*
Orthotrichum venturii De Not. = *O. urnigerum*
Oxyrrhynchium hians (Hedw.) Loeske = *Eurhynchium hians*
Oxyrrhynchium pallidirostra (Brid.) Wijk & Marg. = *Eurhynchium pumilum*
Oxyrrhynchium praelongum (Hedw.) Warnst. = *Eurhynchium praelongum*
Oxyrrhynchium praelongum var. *stokesii* (Turn.) Podp. = *Eurhynchium praelongum* var. *stokesii*
Oxyrrhynchium pumilum (Wils.) Loeske = *Eurhynchium pumilum*
Oxyrrhynchium rusciforme (Neck.) Warnst. = *Rhynchostegium riparioides*
Oxyrrhynchium schleicheri (Hedw. f.) Röhl = *Eurhynchium pumilum*
Oxyrrhynchium speciosum (Brid.) Warnst. = *Eurhynchium speciosum*
Oxyrrhynchium swartzii (Turn.) Warnst. = *Eurhynchium hians*
Oxyrrhynchium swartzii var. *robustum* Limpr. = *Eurhynchium hians* var. *rigidum*
Oxystegus cylindricus (Brid.) Hilp. = *O. tenuirostris*
Oxystegus sinuosus (Mitt.) Hilp. = *Didymodon sinuosus*
Palustriella commutata var. *falcata* (Brid.) Ochyra = *P. falcata*
Paraleucobryum fulvum (Hook.) Loeske = *Dicranum fulvum*

- Paraleucobryum longifolium* ssp. *sauteri* C. Jens. = *P. sauteri*
Paraleucobryum viride Podp. = *Dicranum viride*
Phascum acaulon L. = *P. cuspidatum*
Phascum acaulon var. *mitraeforme* (Limpr.) Levier = *P. cuspidatum* var. *mitraeforme*
Phascum axillare Sm. = *Pseudephemerum nitidum*
Phascum badium Voit = *P. floerkeanum*
Phascum bryoides Dicks. = *Pottia bryoides*
Phascum bulbosum var. *piligerum* De Not. = *Acaulon piligerum*
Phascum carniolicum Web. & Mohr = *Aschisma carniolicum*
Phascum crispum Hedw. = *Weissia longifolia*
Phascum heterophyllum De Not. = *Ephemerum cohaerens*
Phascum leptophyllum C. Müll. = *Chenia leptohylla*
Phascum mitraeforme Warnst. = *P. cuspidatum* var. *mitraeforme*
Phascum muticum Hedw. = *Acaulon muticum*
Phascum nitidum Hedw. = *Pseudephemerum nitidum*
Phascum patens Hedw. = *Physcomitrella patens*
Phascum piliferum Schreb. = *P. cuspidatum* var. *piliferum*
Phascum piligerum De Not. = *Acaulon piligerum*
Phascum rectum With. = *Pottia recta*
Phascum recurvifolium Dicks. = *Ephemerum recurvifolium*
Phascum serratum Hedw. = *Ephemerum serratum*
Phascum subulatum Hedw. = *Pleuridium subulatum*
Philonotis alpicola Jur. = *P. tomentella*
Philonotis capillaris Lindb. = *P. arnellii*
Philonotis fontana var. *caespitosa* (Jur.) Limpr. = *P. caespitosa*
Philonotis fontana var. *capillaris* (Lindb.) Braithw. = *P. arnellii*
Philonotis fontana var. *falcata* Brid. = *P. calcarea*
Philonotis fontana var. *pumila* (Turn.) Brid. = *P. tomentella*
Physcomitrium acuminatum (Scleich.) B.S. & G. = *P. eurystomum*
Physcomitrium curvisetum Brid. = *Funariella curviseta*
Physcomitrium maroccanum Meylan = *Entosthodon hungaricus*
Physcomitrium rhizophyllum Sak. = *Chenia leptohylla*
Plagiotheciella pilifera (Sw.) Fleisch. = *Plagiothecium piliferum*
Plagiopus oederi (Brid.) Limpr. = *P. oederianus*
Plagiothecium borreri Spruce = *Pseudotaxiphyllum elegans*
Plagiothecium bottinii (Breidl.) Bott. & Vent. = *Isopterygium tenerum*
Plagiothecium demissum (Wils.) Dix. = *Sematophyllum demissum*
Plagiothecium denticulatum ssp. *laetum* (B. S. & G.) Kindb. = *P. laetum*
Plagiothecium denticulatum var. *gravetii* (Piré) Husn. = *P. laetum*
Plagiothecium denticulatum var. *laetum* (B. S. & G.) Limpr. = *P. laetum*
Plagiothecium denticulatum var. *myurum* B. S. & G. = *P. cavifolium*
Plagiothecium denticulatum var. *tenellum* Br. eur. = *P. laetum*
Plagiothecium depressum (Bruch) Dix. = *Taxiphyllum wissgrillii*
Plagiothecium elegans (Hook.) Sull. = *Pseudotaxiphyllum elegans*
Plagiothecium incurvatum (Schrad.) De Not. = *Homomallium incurvatum*

- Plagiothecium muellerianum* (Schimp.) Jaeg. = *Isopterygiopsis muelleriana*
Plagiothecium muhlenbeckii Schimp. = *Herzogiella striatella*
Plagiothecium nanum Jur. = *Pseudotaxiphyllum elegans*
Plagiothecium neglectum Mönk. = *P. nemorale*
Plagiothecium pulchellum (Hedw.) Schimp. = *Isopterygiopsis pulchella*
Plagiothecium pulchellum var. *nitidulum* (Wahlenb.) Ren. & Card. = *Isopterygiopsis pulchella* var. *nitidula*
Plagiothecium repens (Pollich.) Lindb. = *Herzogiella seligeri*
Plagiothecium roeseanum (Hampe) Br. eur. = *P. cavifolium*
Plagiothecium silesiacum (P. Beauv.) Br. eur. = *Haplohymenium triste*
Plagiothecium striatellum (Brid.) Lindb. = *Herzogiella striatella*
Plagiothecium sylvaticum (Brid.) B. S. & G. = *P. nemorale*
Plagiothecium sylvaticum var. *auritum* Kern = *P. ruthei*
Plagiothecium sylvaticum var. *orthocladium* (B. S. & G.) Schimp. = *P. cavifolium*
Plagiothecium sylvaticum var. *rosei* Lindb. = *P. cavifolium*
Plagiotyhecium denticulatum var. *donii* Lindb. = *P. denticulatum* var. *obtusifolium*
Plagiotyhecium nitidulum Wahlenb. = *Isopterygiopsis pulchella* var. *nitidula*
Plasteurhynchium duriaeanum (Mont.) Allorge = *Eurhynchium meridionale*
Plasteurhynchium meridionale (Schimp.) Fleisch. = *Eurhynchium meridionale*
Plasteurhynchium striatulum (Spruce) Fleisch. = *Eurhynchium striatulum*
Platyhypnidium riparioides (Hedw.) Dix. = *Rhynchostegium riparioides*
Platyhypnidium rusciforme (Hedw.) Podp. = *Rhynchostegium riparioides*
Pleuridium alternifolium Dicks. = *P. subulatum*
Pleuridium axillare (Sm.) Lindb. = *Pseudephemerum nitidum*
Pleuridium nitidum (Hedw.) Rabenh. = *Pseudephemerum nitidum*
Pleuridium subulatum (Huds.) Rabenh. = *P. acuminatum*
Pogonatum aloides var. *longisetum* (Hampe) Br. eur. = *P. nanum* var. *longisetum*
Pogonatum alpinum (Hedw.) Röhl = *Polytrichastrum alpinum*
Pogonatum alpinum var. *arcticum* (Schrader) Brid. = *Polytrichastrum alpinum* var. *arcticum*
Pogonatum briosianum Farneti = *P. aloides* var. *obtusifolium*
Pohlia acuminata Hoppe & Hornsch. = *P. elongata* var. *acuminata*
Pohlia albicans (Wahlenb.) Lindb. = *P. wahlenbergii*
Pohlia annotina var. *glareola* (Ruthe & Grebe) Warnst. = *P. andalusica*
Pohlia arctica R. Br. = *Bryum arcticum*
Pohlia carnea (Schimp.) Lindb. = *P. melanodon*
Pohlia commutata (Schimp.) Lindb. = *P. drummondii*
Pohlia cucullata (Schwägr.) Lindb. = *P. obtusifolia*
Pohlia delicatula (Hedw.) Grout = *P. melanodon*
Pohlia erecta Roth = *P. filum*
Pohlia glareola (Ruthe & Grebe) Broth. = *P. andalusica*
Pohlia gracilis (B. S. & G.) Lindb. = *P. filum*
Pohlia grandiflora H. Lindb. = *P. annotina*
Pohlia polymorpha Hoppe & Hornsch. = *P. elongata* var. *polymorpha*
Pohlia pulchella (Hedw.) Lindb. = *P. lescuriana*
Pohlia rothii (Corr. ex Limpr.) Broth. = *P. andalusica*

- Pohlia schleicheri* Crum = *P. filum*
Pohlia zierii (Hedw.) Schwägr. = *Plagiobryum zierii*
Polytrichum aloides Hedw. = *Pogonatum aloides*
Polytrichum alpestre Hoppe = *P. strictum*
Polytrichum alpinum Hedw. = *Polytrichastrum alpinum*
Polytrichum angustatum Brid. = *Atrichum angustatum*
Polytrichum arcticum Schrad. = *Polytrichastrum alpinum* var. *arcticum*
Polytrichum commune var. *minus* De Not. = *P. commune* var. *humile*
Polytrichum commune var. *nigrescens* (Warnst.) Hag. = *P. swartzii*
Polytrichum commune var. *swartzii* (Hartm.) Nyh. = *P. swartzii*
Polytrichum decipiens Limpr. = *Polytrichastrum pallidisetum*
Polytrichum formosum Hedw. = *Polytrichastrum formosum*
Polytrichum gracile Dicks. = *Polytrichastrum longisetum*
Polytrichum hercynicum Hedw. = *Oligotrichum hercynicum*
Polytrichum hoppei Hornsch. = *P. piliferum* var. *hoppei*
Polytrichum juniperinum var. *affine* (Funck) Brid. = *P. strictum*
Polytrichum juniperinum var. *strictum* (Brid.) Roehl. = *P. strictum*
Polytrichum longisetum Sw. ex Brid. = *Polytrichastrum longisetum*
Polytrichum nanum Hedw. = *Pogonatum nanum*
Polytrichum norvegicum auct. non Hedw. = *Polytrichastrum sexangulare*
Polytrichum pallidisetum Funck = *Polytrichastrum pallidisetum*
Polytrichum perigoniale Michx. = *P. commune* var. *perigoniale*
Polytrichum septentrionale Sw. = *Polytrichastrum alpinum* var. *septentrionale*
Polytrichum sexangulare Brid. = *Polytrichastrum sexangulare*
Polytrichum strictum var. *alpestre* (Hoppe) Rabenh. = *P. strictum*
Polytrichum subrotundum Huds. = *Pogonatum nanum*
Polytrichum undulatum Hedw. = *Atrichum undulatum*
Polytrichum urnigerum Hedw. = *Pogonatum urnigerum*
Pottia commutata Limpr. = *P. davalliana*
Pottia conica (Schwägr.) Fűrnr. ex Par. = *P. davalliana*
Pottia cuneifolia Solms = *P. crinita*
Pottia davalliana var. *brachyoda* (Müll. Hal.) D. F. Chamb. = *P. starckeana*
Pottia davalliana var. *conica* (Schwägr.) Podp. = *P. davalliana*
Pottia heimii (Hedw.) Hampe = *Desmatodon heimii*
Pottia intermedia var. *corsa* Fleisch. & Warnst. = *P. pallida*
Pottia intermedia var. *littoralis* (Mitt.) Corb. = *P. intermedia*
Pottia latifolia (Schwägr.) C. Müll. = *Stegonia latifolia*
Pottia latifolia var. *pilifera* (Brid.) C. Müll. = *Stegonia latifolia* var. *pilifera*
Pottia minutula (Schwägr.) Fűrnr. ex Hampe = *P. davalliana*
Pottia minutula var. *brachyoda* (B. S. & G.) C. Muell. = *P. starckeana*
Pottia rufescens (Schultz) Fűrnr. ex Warnst. = *P. davalliana*
Pottia rufescens var. *conica* (Schwägr.) Warnst. = *P. davalliana*
Pottia starckeana ssp. *conica* (Schleich. ex Schwägr.) Chamberlain = *P. davalliana*
Pottia starckeana ssp. *minutula* (Schleich. ex Schwägr.) Chamberlain = *P. davalliana*
Pottia starckeana var. *brachyoda* (B. S. & G.) C. Muell. = *P. starckeana*

- Pottia truncata* var. *major* (Web. & Mohr) Br. Eur. = *P. intermedia*
Pottia truncatula (With.) Bus. = *P. truncata*
Pottia venusta Jur. = *P. pallida*
Pottia viridiflava Mitt. = *P. crinita*
Pseudoleskea atrovirens (Brid.) B. S. & G. = *P. incurvata*
Pseudoleskea atrovirens ssp. *patens* (Lindb.) Giac. = *P. patens*
Pseudoleskea atrovirens var. *brachyclados* (Schwägr.) Loeske = *P. radicata*
Pseudoleskea atrovirens var. *decipiens* Bott. = *Lescurea saxicola*
Pseudoleskea brachyclados (Schwägr.) Loeske = *P. radicata*
Pseudoleskea catenulata (Schrad.) B. S. & G. = *Pseudoleskeella catenulata*
Pseudoleskea decipiens (Limpr.) Loeske = *Lescurea saxicola*
Pseudoleskea filamentosa Dicks. = *P. incurvata*
Pseudoleskea illyrica Glow. = *P. saviana*
Pseudoleskea rigescens Lindb. = *P. radicata*
Pseudoleskea tectorum Schimp. = *Pseudoleskeella tectorum*
Pseudoleskea ticinensis Bott. = *P. patens*
Pseudoleskeopsis artariae (Thér.) Thér. = *Pseudoleskea artariae*
Pseudoscleropodium purum Fleisch. = *Scleropodium purum*
Pseudostereodon procerrimum (Mol.) Fleisch. = *Ctenidium procerrimum*
Pterigynandrum gracile Savi = *Pterogonium gracile*
Pterigynandrum sciuroides Hedw. = *Leucodon sciuroides*
Pterigynandrum smithii (Hedw.) Lam. = *Leptodon smithii*
Pterigynandrum striatum (Schwaegr.) Duby = *Lescurea mutabilis*
Pterogonium ornithopodioides (Hedw.) Lindb. = *P. gracile*
Pterogonium perpusillum De Not. = *Habrodon perpusillus*
Pterogonium repens Brid. = *Platygyrium repens*
Pterogonium smithii (Hedw.) Sm. = *Leptodon smithii*
Pterygoneurum cavifolium (Ehrh.) Jur. = *P. ovatum*
Pterygophyllum lucens (L.) Brid. = *Hookeria lucens*
Ptychodium albidum Amann = *Brachythecium geheebii*
Ptychodium decipiens Limpr. = *Lescurea saxicola*
Ptychodium pfundtneri Limpr. = *Pseudoleskea radicata*
Ptychomitrium glyphomitrioides (Bals. & De Not.) Vent. & Bott. = *P. incurvum*
Ptychomitrium nigricans (Kunze) B. & S. = *P. nigrescens*
Ptychomitrium pusillum Schimp. = *P. incurvum*
Ptychostomum compactum Hornsch. = *Bryum algovicum*
Pylaisia binervula Mol. = *Orthothecium strictum*
Pylaisia bollei De Not. = *Orthothecium intricatum*
Pylaisia rufescens (Schwägr.) Schimp. = *Orthothecium rufescens*
Pyramidium tetragonum Brid. = *Pyramidula tetragona*
Racomitrium canescens var. *ericoides* (Web. ex Brid.) Hampe = *R. ericoides*
Racomitrium canescens var. *subepilosum* Warnst. = *R. elongatum*
Racomitrium heterostichum var. *affine* (Web. & Mohr) Lesq. = *R. affine*
Racomitrium heterostichum var. *alopecurum* (Brid.) Hüb. = *R. affine*
Racomitrium heterostichum var. *microcarpon* (Hedw.) Boul. = *R. microcarpon*

- Racomitrium heterostichum* var. *obtusum* (Retz. ex Brid.) Delogn. = *R. obtusum*
Racomitrium heterostichum var. *sudeticum* (Funck) Dix. ex Bauer = *R. sudeticum*
Racomitrium hypnoides Lindb. = *R. lanuginosum*
Racomitrium incurvum Hüb. = *Grimmia elatior*
Racomitrium patens (Hedw.) Hüb. = *Grimmia curvata*
Racomitrium polyphyllum Brid. = *Ptychomitrium polyphyllum*
Racomitrium protensum (A. Braun) Hüb. = *R. aquaticum*
Racomitrium sudeticum fo. *alpinum* Lawt. = *R. macounii* ssp. *alpinum*
Racomitrium sudeticum fo. *macounii* (Kindb.) Lawt. = *R. macounii* ssp. *macounii*
Racomitrium tortuloides Herz. = *R. canescens*
Rhabdoweisia denticulata (Brid.) B. S. & G. = *R. crispata*
Rhabdoweisia welwitschii Schimp. = *Sematophyllum substrumulosum*
Rhaphidostegium bottinii Mönk. = *Isopterygium tenerum*
Rhaphidostegium demissum De Not. = *Sematophyllum demissum*
Rhaphidostegium welwitschii Schimp. = *Sematophyllum substrumulosum*
Rhizomnium perssonii Kop. = *R. magnifolium*
Rhodobryum ontariense (Kindb.) Kindb. = *R. spathulatum*
Rhynchostegiella algeriana Broth. = *R. tenella*
Rhynchostegiella pallidirostra (Breidl.) Loeske = *Eurhynchium pumilum*
Rhynchostegiella pumila (Wils.) Warb. = *Eurhynchium pumilum*
Rhynchostegiella tenella var. *litorea* (De Not.) Rich. & E.C. Wallace = *R. litorea*
Rhynchostegium algerianum Lindb. = *Rhynchostegiella tenella*
Rhynchostegium circinatum (Brid.) De Not. = *Scorpiurium circinatum*
Rhynchostegium circinatum var. *deflexifolium* (Solms) Brizi = *Scorpiurium deflexifolium*
Rhynchostegium cirrosum De Not. = *Cirriphyllum cirrosum*
Rhynchostegium crassinervium (Tayl.) De Not. = *Eurhynchium crassinervium*
Rhynchostegium curvisetum (Brid.) Schimp. = *Rhynchostegiella curviseta*
Rhynchostegium curvisetum var. *litoreum* Vent. & Bott. = *Rhynchostegiella litorea*
Rhynchostegium demissum Br. eur. = *Sematophyllum demissum*
Rhynchostegium depressum (Bruch) Schimp. = *Taxiphyllum wissgrillii*
Rhynchostegium diversifolium (B. S. & G.) Brizi = *Eurhynchium pulchellum* var. *diversifolium*
Rhynchostegium litoreum Bott. = *Rhynchostegiella litorea*
Rhynchostegium mediterraneum Jur. = *Rhynchostegiella litorea*
Rhynchostegium meridionale De Not. = *Eurhynchium meridionale*
Rhynchostegium piliferum De Not. = *Cirriphyllum piliferum*
Rhynchostegium praelongum De Not. = *Eurhynchium praelongum*
Rhynchostegium praelongum var. *meridionale* Brizi = *Eurhynchium hians* var. *rigidum*
Rhynchostegium praelongum var. *schleicheri* (Hedw. f.) Brizi = *Eurhynchium schleicheri*
Rhynchostegium praelongum var. *swartzii* (Turn.) Vent. & Bott. = *Eurhynchium hians*
Rhynchostegium pumilum (Wils.) De Not. = *Eurhynchium pumilum*
Rhynchostegium rusciforme (Neck.) Br. eur. = *R. riparioides*
Rhynchostegium speciosum (Brid.) Vent. & Bott. = *Eurhynchium speciosum*
Rhynchostegium stokesii De Not. = *Eurhynchium praelongum* var. *stokesii*
Rhynchostegium striatulum (Spruce) De Not. = *Eurhynchium striatulum*
Rhynchostegium striatum (Hedw.) De Not. = *Eurhynchium striatum*

- Rhynchostegium strigosum* (Web. & Mohr) De Not. = *Eurhynchium pulchellum*
Rhynchostegium teesdalei Schimp. = *Rhynchostegiella teesdalei*
Rhynchostegium tenellum (Dicks.) Br. eur. = *Rhynchostegiella tenella*
Rhynchostegium tenellum var. *meridionale* Boulay = *Rhynchostegiella litorea*
Rhynchostegium vaucheri Schimp. = *Cirriphyllum tommasinii*
Rhynchostegium welwitschii Schimp. = *Sematophyllum substrumulosum*
Rhynchostegium praelongum var. *macrocarpon* Schimp. = *Eurhynchium speciosum*
Rhytidiadelphus callescens (Wils.) Broth. = *R. subpinnatus*
Saelania caesia (P. Beauv.) Lindb. = *S. glaucescens*
Schistidium alpicola (Hedw.) Limpr. = *S. agassizii*
Schistidium alpicola ssp. *angustum* (Hag.) Giac. = *S. agassizii*
Schistidium alpicola ssp. *eu-alpicola* (Loesk.) Giac. = *S. agassizii*
Schistidium alpicola var. *latifolia* (Zett.) Limpr. = *S. rivulare* ssp. *latifolium*
Schistidium alpicola var. *rivularis* (Brid.) Limpr. = *S. rivulare* ssp. *rivulare*
Schistidium anodon (B.&S.) Loeske = *Grimmia anodon*
Schistidium apocarpum ssp. *brunnescens* (Limpr.) Loeske = *S. brunnescens* ssp. *brunnescens*
Schistidium apocarpum ssp. *confertum* var. *brunnescens* = *S. brunnescens* ssp. *brunnescens*
Schistidium apocarpum ssp. *longidens* (Philib.) Wijk & Marg. = *S. trichodon*
Schistidium apocarpum ssp. *papillosum* (Culm.) Poelt = *S. papillosum*
Schistidium apocarpum ssp. *singarense* Podp. = *S. singarense*
Schistidium apocarpum ssp. *vulgare* Loeske = *S. apocarpum*
Schistidium apocarpum subvar. *striatulum* (Latz.) Podp. = *S. elegantulum* ssp. *elegantulum*
Schistidium apocarpum var. *atratum* Grebe & Loeske = *S. singarense*
Schistidium apocarpum var. *atrofusum* (Schimp.) C. Jens. = *S. atrofusum*
Schistidium apocarpum var. *confertum* (Funck) Möll. = *S. confertum*
Schistidium apocarpum var. *dupretii* (Thér.) Sayre = *Schistidium dupretii*
Schistidium apocarpum var. *gracile* (Schleich. Ex Roehl.) Bruch & Schimp. = *S. trichodon*
Schistidium apocarpum var. *homodictyon* (Dix.) Crundw. & Nyh. = *S. robustum*
Schistidium apocarpum var. *intercedens* Schiffn. = *S. singarense*
Schistidium apocarpum var. *irrigatum* H. Müll. ex Milk. = *S. singarense*
Schistidium ciliatum (Hedw.) Brid. = *Hedwigia ciliata*
Schistidium confertum ssp. *brunnescens* (Limpr.) Giac. = *S. brunnescens* ssp. *brunnescens*
Schistidium confertum ssp. *eu-confertum* (Funck) Giac. = *S. confertum*
Schistidium confertum var. *brunnescens* (Limpr.) Herz. = *S. brunnescens* ssp. *brunnescens*
Schistidium confertum var. *pruinsum* (Wils. ex Schimp.) Bott. = *S. pruinsum*
Schistidium gracile (Schleich. ex Roehl.) Limpr. = *S. trichodon*
Schistidium gracile var. *scabrius* Bryhn = *S. papillosum*
Schistidium pulvinatum var. *calvum* De Not. = *S. atrofusum*
Schistidium pulvinatum var. *flaccidum* (De Not.) De Not. = *S. flaccidum*
Schistidium teretinerve Limpr. = *Grimmia teretinervis*
Schistostega osmundacea (Dicks.) Web. & Mohr = *S. pennata*
Scleropodium ambiguum De Not. = *S. touretii*
Scleropodium caespitosum (Wils.) Br. eur. = *S. caespitosum*
Scleropodium colpophyllum var. *attenuatum* Grant = *S. touretii* var. *colpophyllum*
Scleropodium illecebrum (Vaill.) Br. eur. = *S. touretii*

- Scorpidium turgescens* (T. Jensen) Loeske = *Pseudocalliergon turgescens*
Scorpiurium circinatum ssp. *deflexifolium* (Solms) Giac. = *S. deflexifolium*
Scorpiurium leskeoides Suse = *S. sendtneri*
Seligeria acuta (Hedw.) De Not. = *Blindia acuta*
Seligeria longifolia Broth. = *S. trifaria* var. *longifolia*
Seligeria pusilla var. *acutifolia* (Lindb.) Schimp. = *S. acutifolia*
Seligeria pusilla var. *longiseta* (Lindb.) Dix. = *S. acutifolia*
Seligeria recurvata ssp. *erecta* (Philib.) Kindb. = *S. recurvata* var. *pumila*
Seligeria setacea Lindb. = *S. recurvata*
Seligeria trifaria ssp. *longifolia* Lindb. ex Broth. = *S. trifaria* var. *longifolia*
Seligeria tristicha (Brid.) B. S. & G. = *S. trifaria*
Sematophyllum bottinii (Breidl.) Podp. = *Isopterygium tenerum*
Semibarbula orientalis (Web.) Wijk & Marg. = *Barbula indica*
Serpoleskea sprucei (Bruch) Loeske = *Platydictya jungermannioides*
Sharpiella seligeri (Brid.) Z. Iwats. = *Herzogiella seligeri*
Sphaerangium mediterraneum (Limpr.) Par. = *Acaulon muticum* var. *mediterraneum*
Sphaerangium muticum (Hedw.) Schimp. = *Acaulon muticum*
Sphagnum acutifolium Ehrh. ex Schrad. = *S. capillifolium*
Sphagnum acutifolium var. *fuscum* Schimp. = *S. fuscum*
Sphagnum acutifolium var. *gracile* Russ. = *S. warnstorffii*
Sphagnum acutifolium var. *quinquefarium* Lindb. ex Braithw. = *S. quinquefarium*
Sphagnum acutifolium var. *robustum* Russ. = *S. russowii*
Sphagnum acutifolium var. *tenellum* Schimp. = *S. capillifolium* var. *tenellum*
Sphagnum affine Ren. & Card. = *S. imbricatum*
Sphagnum amblyphyllum (Russ.) Zick. = *S. recurvum*
Sphagnum angustifolium (C. Jens. ex Russ.) C. Jens. = *S. recurvum* var. *tenu*
Sphagnum arboreum L. = *Cryphaea heteromalla*
Sphagnum auriculatum Schimp. = *S. subsecundum* var. *rufescens*
Sphagnum auriculatum var. *inundatum* (Russ.) Hill = *S. subsecundum* var. *inundatum*
Sphagnum capillaceum (Weiss) Schrank. = *S. capillifolium*
Sphagnum capillaceum var. *tenerum* (Sull. & Lesq. ex Sull.) Crum = *S. capillifolium* var. *tenerum*
Sphagnum contortum Schultz = *S. subsecundum* var. *contortum*
Sphagnum contortum var. *platyphyllum* (Lindb.) Åberg = *S. subsecundum* var. *platyphyllum*
Sphagnum crassycladum Warnst. = *S. subsecundum* var. *rufescens*
Sphagnum cuspidatum var. *majus* Russ. = *S. majus*
Sphagnum cymbifolium (Ehrh.) Hedw. = *S. palustre*
Sphagnum cymbifolium var. *tenellum* Brid. = *S. tenellum*
Sphagnum denticulatum Brid. = *S. subsecundum* var. *rufescens*
Sphagnum dusenii C. Jens. ex Russ. & Warnst. = *S. majus*
Sphagnum fallax (Klinggr.) Klinggr. = *S. recurvum* var. *brevifolium*
Sphagnum flexuosum Dozy & Molk. = *S. recurvum*
Sphagnum flexuosum var. *fallax* (Klinggr.) M. O. Hill ex A. J. E. Smith = *S. recurvum* var. *brevifolium*

- Sphagnum flexuosum* var. *tenue* M. O. Hill ex A. J. E. Smith = *S. recurvum* var. *tenue*
Sphagnum gravetii Russ. = *S. subsecundum* var. *rufescens*
Sphagnum imbricatum var. *affine* (Ren. & Card.) Warnst. = *S. imbricatum*
Sphagnum intermedium Hoffm. = *S. capillifolium*
Sphagnum inundatum Russ. = *S. subsecundum* var. *inundatum*
Sphagnum klinggraeffi Röhl = *S. palustre*
Sphagnum laricinum (Spruce ex Wils.) Spruce ex Aongstr. = *S. subsecundum* var. *contortum*
Sphagnum laricinum var. *platyphyllum* Lindb. = *S. subsecundum* var. *platyphyllum*
Sphagnum latifolium (Weiss) Hedw. = *S. palustre*
Sphagnum lescurii Sull. in Gray = *S. subsecundum* var. *rufescens*
Sphagnum limprichtii Röhl = *S. obtusum*
Sphagnum medium Limpr. = *S. magellanicum*
Sphagnum molluscum Bruch = *S. tenellum*
Sphagnum nemoreum Scop.? = *S. capillifolium*
Sphagnum nemoreum var. *tenerum* (Sull. & Lesq. ex Sull.) Nyh. = *S. capillifolium* var. *tenerum*
Sphagnum obesum (Wils.) Warnst. = *S. subsecundum* var. *rufescens*
Sphagnum parvifolium (Sendtn. ex Warnst.) Warnst. = *S. recurvum* var. *tenue*
Sphagnum platyphyllum (Lindb. ex Braithw.) Sull. ex Warnst. = *S. subsecundum* var. *platyphyllum*
Sphagnum plumulosum Röhl = *S. subnitens*
Sphagnum recurvum ssp. *amblyphyllum* Russ. = *S. recurvum*
Sphagnum recurvum ssp. *angustifolium* C. Jens. ex Russ. = *S. recurvum* var. *tenue*
Sphagnum recurvum var. *amblyphyllum* (Russ.) Warnst. = *S. recurvum*
Sphagnum recurvum var. *fallax* (Klinggr.) Paul in Koppe = *S. recurvum* var. *brevifolium*
Sphagnum recurvum var. *majus* (Aongstrom. ex Warnst.) Warnst. = *S. recurvum*
Sphagnum rigidum DC. ex Lam. & DC. = *S. compactum*
Sphagnum robustum (Warnst.) Röhl = *S. russowii*
Sphagnum rubellum Wils. = *S. capillifolium* var. *tenellum*
Sphagnum squarrosum var. *teres* Schimp. = *S. teres*
Sphagnum subbicolor auct., non Hampe = *S. centrale*
Sphagnum subbicolor Hampe = *S. palustre*
Sphagnum subtile (Russ.) Warnst. = *S. capillifolium* var. *tenellum*
Sphagnum tenellum (Schimp.) Klinggr. = *S. capillifolium* var. *tenellum*
Sphagnum tenerum Sull. & Lesq. ex Sull. = *S. capillifolium* var. *tenerum*
Splachnum angustatum Hedw. = *Tetraplodon angustatus*
Splachnum froelichianum Hedw. = *Tayloria froelichiana*
Splachnum mnioides Hedw. = *Tetraplodon mnioides*
Splachnum ovatum Hedw. = *S. sphaericum*
Splachnum pedunculatum Lindb. = *S. sphaericum*
Splachnum serratum Hedw. = *Tayloria serrata*
Splachnum tenue Hook. & Tayl. = *Tayloria tenuis*
Splachnum urceolatus Brid. = *Tetraplodon urceolatus*
Stereodon arcuatum Lindb. = *Calliergonella lindbergii*
Stereodon callichrous (Bird.) Braithw. = *Hypnum callichroum*

- Stereodon cupressiformis* (Hedw.) Brid. = *Hypnum cupressiforme*
Stereodon dolomiticus (Milde) Loeske = *Hypnum dolomiticum*
Stereodon haldanianum (Grev.) Lindb. ex Broth. = *Callicladium haldanianum*
Stereodon incurvatus Schrad. = *Homomallium incurvatum*
Stereodon lindbergii (Lindb.) Brid. = *Calliergonella lindbergii*
Stereodon resupinatus (Tayl.) Braithw. = *Hypnum resupinatum*
Stereodon revolutus Mitt. = *Hypnum revolutum*
Stereodon sauteri (Schimp.) Moell. = *Hypnum sauteri*
Streblotrichum bicolor (B. S. & G.) Loeske = *Barbula bicolor*
Streblotrichum convolutum (Hedw.) P. Beauv. = *Barbula convoluta*
Streblotrichum croceum (Brid.) Loeske = *Barbula crocea*
Streblotrichum enderesii (Garov.) Loeske = *Barbula enderesii*
Streblotrichum tenue (De Not.) Loeske = *Leptobarbula berica*
Stroemia obtusifolia (Brid.) Hag. = *Orthotrichum obtusifolium*
Stylostegium caespiticium (Web. & Mohr) B. S. & G. = *Blindia caespiticia*
Swartzia capillacea (Hedw.) Brid. = *Distichium capillaceum*
Swartzia inclinata (Hedw.) P. Beauv. = *Distichium inclinatum*
Syntrichia alpina (Br. eur.) Jur. = *S. sinensis*
Syntrichia laevipila var. *mutica* Schultz = *S. latifolia*
Syntrichia laevipila var. *pagorum* (Milde) Moenk. = *S. pagorum*
Syntrichia montana Nees = *S. intermedia*
Syntrichia montana ssp. *handelii* (Schiffn.) Podp. = *S. handelii*
Syntrichia mucronifolia Brid. = *Tortula mucronifolia*
Syntrichia muralis Hedw. = *Tortula muralis*
Syntrichia mutica Giac. = *S. fragilis*
Syntrichia papillosissima (Copp.) Loeske = *S. ruralis* ssp. *hirsuta*
Syntrichia pulvinata (Jur.) Jur. = *S. virescens*
Syntrichia ruralis var. *hirsuta* (Vent.) Podp. = *S. ruralis* ssp. *hirsuta*
Syntrichia ruralis var. *norvegica* (Web.) Stend. = *S. norvegica*
Syntrichia ruralis var. *spuria* = *S. caninervis* var. *spuria*
Syntrichia spuria Amann = *S. caninervis* var. *spuria*
Syntrichia subulata (Hedw.) Web. & Mohr = *Tortula subulata*
Syntrichia subulata ssp. *angustata* (Schimp.) Dix. = *Tortula subulata* var. *angustata*
Syntrichia subulata var. *inermis* Brid. = *S. inermis*
Syntrichia subulata var. *subinermis* Wils. = *Tortula subulata* var. *subinervis*
Systegium crispum Schimp. = *Weissia longifolia*
Systegium multicapsulare (Sm.) Schimp. = *Weissia multicapsularis*
Taxiphyllum depressum (Bruch) Reimers = *T. wissgrillii*
Tayloria serrata var. *tenuis* (With.) B.S. & G. = *T. tenuis*
Tayloria splachnoides var. *acuminata* (Hornsch.) Hüb. = *T. acuminata*
Thamnium alopecurum (L.) Schimp. = *Thamnobryum alopecurum*
Thamnium cossyrense Bott. = *Thamnobryum cossyrense*
Thamnium mediterraneum Bott. = *Thamnobryum alopecurum* var. *gracillimum*
Thuidium pseudo-tamarisci Limpr. = *T. philibertii*
Thuidium catenulatum (Brid.) De Not. = *Pseudoleskeella catenulata*

- Thuidium decipiens* Boul. = *Palustriella decipiens*
Thuidium erectum Duby = *T. delicatulum*
Thuidium hystricosum Mitt. = *T. abietinum* var. *hystricosum*
Thuidium molluscum (Hedw.) Mitt. = *Ctenidium molluscum*
Thuidium pulchellum De Not. = *Haplocladium angustifolium*
Thuidium punctulatum De Not. = *Haplocladium virginianum*
Thuidium recognitum ssp. *philibertii* (Limpr.) Dix. = *T. philibertii*
Thuidium recognitum var. *delicatulum* (Hedw.) Warnst. = *T. delicatulum*
Thuidium tamariscifolium (Neck.) Lindb. = *T. tamariscinum*
Timmia megapolitana ssp. *bavarica* (Hessl.) Brassard = *T. bavarica*
Timmia megapolitana var. *bavarica* (Hessl.) Brid. = *T. bavarica*
Timmia megapolitana var. *norvegica* (Zett.) Lindb. = *T. norvegica*
Timmia barbula (Brid.) Mönk. = *T. barbuloidea*
Tortella caespitosa (Schwägr.) Limpr. = *T. humilis*
Tortella inclinata var. *densa* Lor. = *T. densa*
Tortella squarrosa (Brid.) Limpr. = *Pleurochaete squarrosa*
Tortella viridiflava (De Not.) Broth. = *T. flavovirens* var. *viridiflava*
Tortula aciphylla (B. S. & G.) Hartm. = *Syntrichia norvegica*
Tortula acuta Brid. = *Didymodon acutus*
Tortula aloides (Schultz) De Not. = *Aloina aloides*
Tortula alpina var. *inermis* (Milde) De Not. = *Syntrichia fragilis*
Tortula ambigua (B. & S.) Aongstr. = *Aloina ambigua*
Tortula angustata Lindb. = *T. subulata* var. *angustata*
Tortula arenacea (Sull. & Lesq.) Culm. = *T. obtusifolia*
Tortula baetica (Casas & Oliva) J. Guerra & Ros = *T. israelis*
Tortula bifrons De Not. = *Aloina bifrons*
Tortula bokanderi (Lesq. & James) Howe = *Syntrichia bolanderi*
Tortula brebissonii Brid. = *Cinclidotus mucronatus*
Tortula brevirostris Hook & Grev. = *Aloina brevirostris*
Tortula caespitosa (Schwägr.) Hook. & Grev. = *Tortella humilis*
Tortula calcicola Grebe = *Syntrichia calcicolens*
Tortula caninervis ssp. *spuria* (Amann) W.A.Kramer = *Syntrichia caninervis* var. *spuria*
Tortula cernua (Hüb.) Lindb. = *Desmatodon cernuus*
Tortula convoluta (Hedw.) Swartz = *Barbula convoluta*
Tortula crassinervia De Not. = *Crossidium crassinerve*
Tortula crocea Brid. = *Barbula crocea*
Tortula cuneifolia ssp. *freibergii* (Dixon & Loeske) Giac. = *T. freibergii*
Tortula extenuata De Not. = *T. vahliana*
Tortula fiorii (Vent.) G. Roth = *T. revolvens* var. *obtusata*
Tortula fragilis Tayl. = *Syntrichia fragilis*
Tortula geheebii Broth. = *Crossidium geheebii*
Tortula graeffii Schlieph. = *T. subulata* var. *graeffii*
Tortula guepinii (B. & S.) Broth. = *Desmatodon guepinii*
Tortula handelii Schiffn. = *Syntrichia handelii*
Tortula hellenica Schiffn. & Baumg. = *Trichostomopsis australasiae*

- Tortula hornschuchiana* De Not. = *Pseudocrossidium hornschuchianum*
Tortula icmadophila Lindb. = *Didymodon icmadophilus*
Tortula inermis Brid. = *Syntrichia inermis*
Tortula intermedia (Brid.) De Not. = *Syntrichia intermedia*
Tortula intermedia ssp. *handelii* (Schiffn.) Wijk & Marg. = *Syntrichia handelii*
Tortula laevipila (Brid.) Schwägr. = *Syntrichia laevipila*
Tortula laevipila var. *laevipiliformis* (De Not.) Limpr. = *Syntrichia laevipila* var. *laevipiliformis*
Tortula laevipila var. *meridionalis* (Schimp.) Wijk & Marg. = *Syntrichia laevipila* var. *laevipiliformis*
Tortula laevipila var. *propagulifera* Lindb. = *Syntrichia pagorum*
Tortula laevipiliformis De Not. = *Syntrichia laevipila* var. *laevipiliformis*
Tortula lamellata Lindb. = *Pterygoneurum lamellatum*
Tortula latifolia Bruch ex Hartm. = *Syntrichia latifolia*
Tortula limbata Lindb. = *T. marginata*
Tortula membranifolia Hook. = *Crossidium squamiferum*
Tortula montana (Nees) Lindb. = *Syntrichia intermedia*
Tortula muelleri Hook. f. & Wils. = *Syntrichia princeps*
Tortula muralis ssp. *aestiva* (Hedw.) Meyl. = *T. muralis* var. *aestiva*
Tortula muralis var. *baetica* Casas & Oliva = *T. israelis*
Tortula muralis var. *israelis* (Bizot & F. Bilewsky) Bizot = *T. israelis*
Tortula nervosa Brid. = *Tortella inclinata*
Tortula norvegica (Web.) Lindb. = *Syntrichia norvegica*
Tortula pagorum (Milde) de Not. = *Syntrichia pagorum*
Tortula papillosa Wils. = *Syntrichia papillosa*
Tortula papillosissima (Copp.) Broth. = *Syntrichia ruralis* ssp. *hirsuta*
Tortula perlimbata Geheeb ex Card. = *T. solmsii*
Tortula princeps De Not. = *Syntrichia princeps*
Tortula pulvinata (Jur.) Limpr. = *Syntrichia virescens*
Tortula pusilla Mitt. = *Pterygoneurum ovatum*
Tortula revoluta Brid. = *Pseudocrossidium revolutum*
Tortula rhizophylla (Sak.) Iwat. & Saito = *Chenia leptohylla*
Tortula rigida (Hedw.) Schrad. = *Aloina rigida*
Tortula ruraliformis (Besch.) Ingham = *Syntrichia ruraliformis*
Tortula ruraliformis var. *gigantea* Farneti = *Syntrichia ruralis* ssp. *hirsuta*
Tortula ruralis (Hedw.) Gaertn., Meyer & Scherb. = *Syntrichia ruralis* ssp. *ruralis*
Tortula ruralis ssp. *callicola* (Amann) Giac. = *Syntrichia calcicolens*
Tortula ruralis ssp. *hirsuta* (Vent.) W. A. Kramer = *Syntrichia ruralis* ssp. *hirsuta*
Tortula ruralis ssp. *ruraliformis* Dix. = *Syntrichia ruraliformis*
Tortula ruralis ssp. *spuria* (Amann) Giac. = *Syntrichia caninervis* var. *spuria*
Tortula ruralis var. *alpina* Wahlenb. = *Syntrichia norvegica*
Tortula ruralis var. *arenicola* Braithw. = *Syntrichia ruraliformis*
Tortula ruralis var. *callicola* (Amann) Barhm. = *Syntrichia calcicolens*
Tortula ruralis var. *crinita* De Not. = *Syntrichia intermedia*
Tortula ruralis var. *gypsophila* Amann = *Syntrichia caninervis* var. *spuria*

- Tortula ruralis* var. *laevipila* (Brid.) Hook & Tayl. = *Syntrichia laevipila*
Tortula ruralis var. *virescens* De Not. = *Syntrichia virescens*
Tortula santoriensis Schiffn. = *T. solmsii*
Tortula sinensis (C. Muell.) Broth. = *Syntrichia sinensis*
Tortula spadicea Mitt. = *Didymodon spadiceus*
Tortula spathulaefolia De Not. = *T. cuneifolia*
Tortula spuria Amann = *Syntrichia caninervis* var. *spuria*
Tortula squamifera (Viv.) De Not. = *Crossidium squamiferum*
Tortula squarrosa (Brid.) De Not. = *Pleurochaete squarrosa*
Tortula subulata var. *integrifolia* (Boul.) Brizi = *T. subulata* var. *angustata*
Tortula subulata var. *mucronifolia* Lindb. = *T. mucronifolia*
Tortula tortuosa Ehrh. = *Tortella tortuosa*
Tortula virescens De Not. = *Syntrichia virescens*
Trematodon solmsii Bolle = *T. longicollis*
Trichodon cylindricus (Hedw.) Schimp. = *Ditrichum cylindricum*
Trichostomopsis australasiae var. *umbrosa* (C. Müll.) Düll = *T. umbrosa*
Trichostomum aaronis Lor. = *Trichostomopsis aaronis*
Trichostomum aciculare (Hedw.) P. Beauv. = *Racomitrium aciculare*
Trichostomum anomalum Schimp. = *Timmiella anomala*
Trichostomum bambergeri (Schimp.) Broth. = *Tortella tortuosa* var. *bambergeri*
*Trichostomum barbuloide*s Brid. = *Timmiella barbuloide*s
Trichostomum bericum De Not. = *Leptobarbula berica*
Trichostomum brevifolium Sendtn. = *T. crispulum* var. *brevifolium*
Trichostomum caespitosum (Bruch ex Brid.) Jur. = *Pottia caespitosa*
Trichostomum calcareum Lindb. = *Gymnostomum calcareum*
Trichostomum canescens Hedw. = *Racomitrium canescens*
Trichostomum convolutum Brid. = *Tortula atrovirens*
Trichostomum crispulum ssp. *brevifolium* (C. Muell.) Giac. = *T. crispulum* var. *brevifolium*
Trichostomum crispulum var. *angustifolium* B. S. & G. = *T. crispulum* var. *viridulum*
Trichostomum curvifolium Bruch = *Tortella inflexa*
Trichostomum cuspidatum Braithw. = *T. brachydontium* var. *cuspidatum*
Trichostomum cylindricum (Brid.) C. Müll. = *Oxystegus tenuirostris*
Trichostomum cylindricum Hedw. = *Ditrichum cylindricum*
Trichostomum ericoides (Hedw.) Brid. = *Racomitrium ericoides*
Trichostomum fasciculare Schrad. = *Racomitrium fasciculare*
Trichostomum flavovirens Bruch = *Tortella flavovirens*
Trichostomum flexicaule (Schwägr.) B. S. & G. = *Ditrichum flexicaule*
Trichostomum flexipes B. S. & G. = *Timmiella flexiseta*
Trichostomum flexisetum Bruch = *Timmiella flexiseta*
Trichostomum fontinaloides Hedw. = *Cinclidotus fontinaloides*
Trichostomum fragile (Hook. f. & Wils.) C. Müll. = *Tortella fragilis*
Trichostomum glaucescens Hedw. = *Saelania glaucescens*
Trichostomum heterostichum Hedw. = *Racomitrium heterostichum*
Trichostomum inclinatum (Hedw. f.) Dix. = *Tortella inclinata*
Trichostomum inflexum Bruch = *Tortella inflexa*

- Trichostomum lanuginosum* Hedw. = *Racomitrium lanuginosum*
Trichostomum latifolium Schwägr. = *Desmatodon latifolius*
Trichostomum laureri Schultz = *Desmatodon laureri*
Trichostomum littorale Mitt. = *T. brachydontium* var. *littorale*
Trichostomum mediterraneum C. Müll. = *Barbula ehrenbergii*
Trichostomum mutabile ssp. *cuspidatum* = *T. brachydontium* var. *cuspidatum*
Trichostomum mutabile Bruch = *T. brachydontium*
Trichostomum mutabile ssp. *densum* (B. S. & G.) Herz = *T. brachydontium* var. *densum*
Trichostomum mutabile var. *littorale* (Mitt.) Dixon = *T. brachydontium* var. *littorale*
Trichostomum nitidum (Lindb.) Schimp. = *Tortella nitida*
Trichostomum pallidisetum H. Müll. = *Weissia triumphans* var. *pallidisetum*
Trichostomum pallidum Hedw. = *Ditrichum pallidum*
Trichostomum polyphyllum Schwägr. = *Ptychomitrium polyphyllum*
Trichostomum protensum Duby = *Racomitrium aquaticum*
Trichostomum rigidulum B. S. & G. = *Didymodon rigidulus*
Trichostomum sciuroides Web. & Mohr = *Leucodon sciuroides*
Trichostomum tenuirostre (Hook. & Tayl.) Lindb. = *Oxystegus tenuirostris*
Trichostomum tophaceum Brid. = *Didymodon tophaceus*
Trichostomum tortile Schrad. = *Ditrichum pusillum*
Trichostomum triumphans De Not. = *Weissia triumphans*
Trichostomum viridiflavum De Not. = *Tortella flavovirens* var. *viridiflava*
Trichostomum viridulum Bruch = *T. crispulum* var. *viridulum*
Trichostomum warnstorffii Limpr. = *Hyophila involuta*
Ulota americana (P. Beauv.) Limpr. = *U. hutchinsiae*
Ulota crispa var. *norvegica* (Grönv.) Smith. & Hill = *U. bruchii*
Ulota crispula Bruch = *U. crispa*
Ulota ludwigii Brid. = *U. coarctata*
Ulota ulophylla Broth. = *U. crispa*
Webera acuminata Hoppe & Hornsch. = *Pohlia elongata* var. *acuminata*
Webera albicans (Wahlenb.) Schimp. = *Pohlia wahlenbergii*
Webera albicans var. *glacialis* Schimp. = *Pohlia wahlenbergii* var. *glacialis*
Webera annotina var. *bulbifera* (Warnst.) Dix. = *Pohlia bulbifera*
Webera bulbifera Warnst. = *P. bulbifera*
Webera calcarea Warnst. = *Pohlia wahlenbergii* var. *calcareum*
Webera carnea Schimp. = *Pohlia melanodon*
Webera cruda (Hedw.) Bruch = *Pohlia cruda*
Webera cucullata (Schwägr.) Schimp. = *Pohlia obtusifolia*
Webera elongata (Hedw.) Schwägr. = *Pohlia elongata*
Webera longicolla Hedw. = *Pohlia longicolla*
Webera ludwigii (Schwägr.) Fühnr. = *Pohlia ludwigii*
Webera lutescens Limpr. = *Pohlia lutescens*
Webera nutans Hedw. = *Pohlia nutans*
Webera polymorpha Hoppe & Hornsch. = *Pohlia elongata* var. *polymorpha*
Webera prolifera Lindb. = *Pohlia prolifera*
Webera pulchella (Hedw.) Fühnr. = *Pohlia lescuriana*

- Webera pyriformis* Hedw. = *Leptobryum pyriforme*
Webera serrifolia Bryhn = *Pohlia bulbifera*
Webera sphagnicola Schimp. = *Pohlia sphagnicola*
Webera sudetica Giac. = *Pohlia ludwigii*
Webera tozeri (Grev.) Schimp. = *Epipterygium tozeri*
Weissia acuta Hedw. = *Blindia acuta*
Weissia cirrata Hedw. = *Dicranoweisia cirrata*
Weissia compacta Schwägr. = *Dicranoweisia compacta*
Weissia controversa var. *stenocarpa* Nees & Hornsch. = *W. controversa* var. *crispata*
Weissia crispata (Nees & Hornsch.) C. Müll. = *W. controversa* var. *crispata*
Weissia crispula Hedw. = *Dicranoweisia crispula*
Weissia curvirostris (Ehrh.) C. Müll. = *Hymenostylium recurvirostre*
Weissia denticulata Brid. = *Rhabdoweisia crispata*
Weissia fallax Sehm. = *W. controversa* var. *crispata*
Weissia fugax Hedw. = *Rhabdoweisia fugax*
Weissia ganderi Jur. = *W. rutilans*
Weissia mielichhoferiana Hornsch. = *Mielichhoferia mielichhoferiana*
Weissia mucronata B. S. & G. = *W. rutilans*
Weissia muralis (Spruce) Lindb. = *W. wimmeriana* ssp. *wimmeriana*
Weissia nigrita Hedw. = *Catoscopium nigrum*
Weissia pallescens Besch. = *W. wimmeriana* ssp. *pallescens*
Weissia pusilla Hedw. = *Seligeria pusilla*
Weissia recurvirostris Hedw. = *Bryoerythrophyllum recurvirostre*
Weissia reflexa Brid. = *Gyroweisia reflexa*
Weissia starckeana Hedw. = *Pottia starckeana*
Weissia tenuis (Hedw.) C. Müll. = *Gyroweisia tenuis*
Weissia torquescens Hornsch. = *Oreoweisia torquescens*
Weissia tortilis (Schwägr.) C. Müll. = *W. condensa*
Weissia tristicha Brid. = *Seligeria trifaria*
Weissia verticillata Brid. = *Eucladium verticillatum*
Weissia viridula Hedw. = *W. controversa*
Weissia viridula var. *densifolia* B. S. & G. = *W. controversa* var. *densifolia*
Weissia wimmeri Sendtn. = *W. wimmeriana* ssp. *wimmeriana*
Zeria demissa Schimp. = *Plagiobryum demissum*
Zeria julacea Schimp. = *Plagiobryum zierii*
Zygodon baumgartneri Malta = *Z. rupestris*
Zygodon lapponicus Br. eur. = *Amphidium lapponicum*
Zygodon mougeotii Br. eur. = *Amphidium mougeotii*
Zygodon nowellii Schimp. = *Z. gracilis*
Zygodon viridissimus var. *rupestris* Hartm. = *Z. rupestris*
Zygodon viridissimus var. *vulgaris* Malta = *Z. rupestris*
Zygodon vulgaris Nyh. = *Z. rupestris*

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