

**PAN ARCTIC CHECKLIST  
LICHENS AND LICHENICOLOUS FUNGI**



# Acknowledgements

The Conservation of Arctic Flora and Fauna (CAFF) is a Working Group of the Arctic Council.

## **CAFF Designated Agencies:**

- Directorate for Nature Management, Trondheim, Norway
- Environment Canada, Ottawa, Canada
- Faroese Museum of Natural History, Tórshavn, Faroe Islands (Kingdom of Denmark)
- Finnish Ministry of the Environment, Helsinki, Finland
- Icelandic Institute of Natural History, Reykjavik, Iceland
- The Ministry of Domestic Affairs, Nature and Environment, Greenland
- Russian Federation Ministry of Natural Resources, Moscow, Russia
- Swedish Environmental Protection Agency, Stockholm, Sweden
- United States Department of the Interior, Fish and Wildlife Service, Anchorage, Alaska

## **CAFF Permanent Participant Organisations:**

- Aleut International Association (AIA)
- Arctic Athabaskan Council (AAC)
- Gwich'in Council International (GCI)
- Inuit Circumpolar Conference - (ICC) Greenland, Alaska and Canada
- Russian Indigenous Peoples of the North (RAIPON)
- Saami Council

This publication should be cited as: Hörður Kristinsson, Mikhail Zhurbenko & Eric Steen Hansen, Panarctic checklist of lichens and lichenicolous fungi CAFF Technical Report No. 20, CAFF International Secretariat, Akureyri, Iceland, December 2009.

Cover photo by Hörður Kristinsson

For more information please contact:

*CAFF International Secretariat*

*Borgir, Nordurslod*

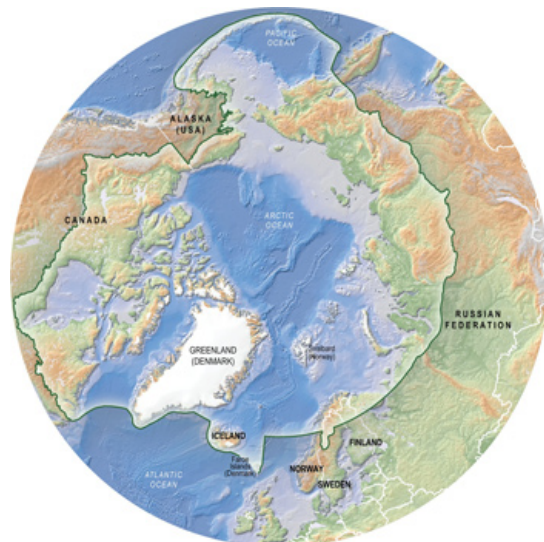
*600 Akureyri, Iceland*

*Phone: +354 462-3350*

*Fax: +354 462-3390*

*Email: [caff@caff.is](mailto:caff@caff.is)*

*Internet: <http://www.caff.is>*



Editing, design & layout: Tom Barry

— CAFF Designated Area

# Table of Contents

Introduction . . . . .	1
1. Delimitation and division of the Arctic . . . . .	2
2. Compilation of the checklist . . . . .	3
3. Number of taxa per region . . . . .	5
4. List of rare or endemic species . . . . .	5
5. Estimate of frequency . . . . .	5
6. Further progress on the list of endemic and rares species of the Arctic . . . . .	5
Checklist . . . . .	6
List of references surveyed for the Checklist . . . . .	91
Table 1: List of - arctic regions included with their abbreviations . . . . .	97
Table 2: List of lichenized fungi endemic to the arctic regions . . . . .	98
Table 3: List of lichenized arctic fungi rare outside the Arctis. . . . .	101
Table 4: List of synonyms (left column) submitted by their valid names (right column) . . . . .	106

# Introduction

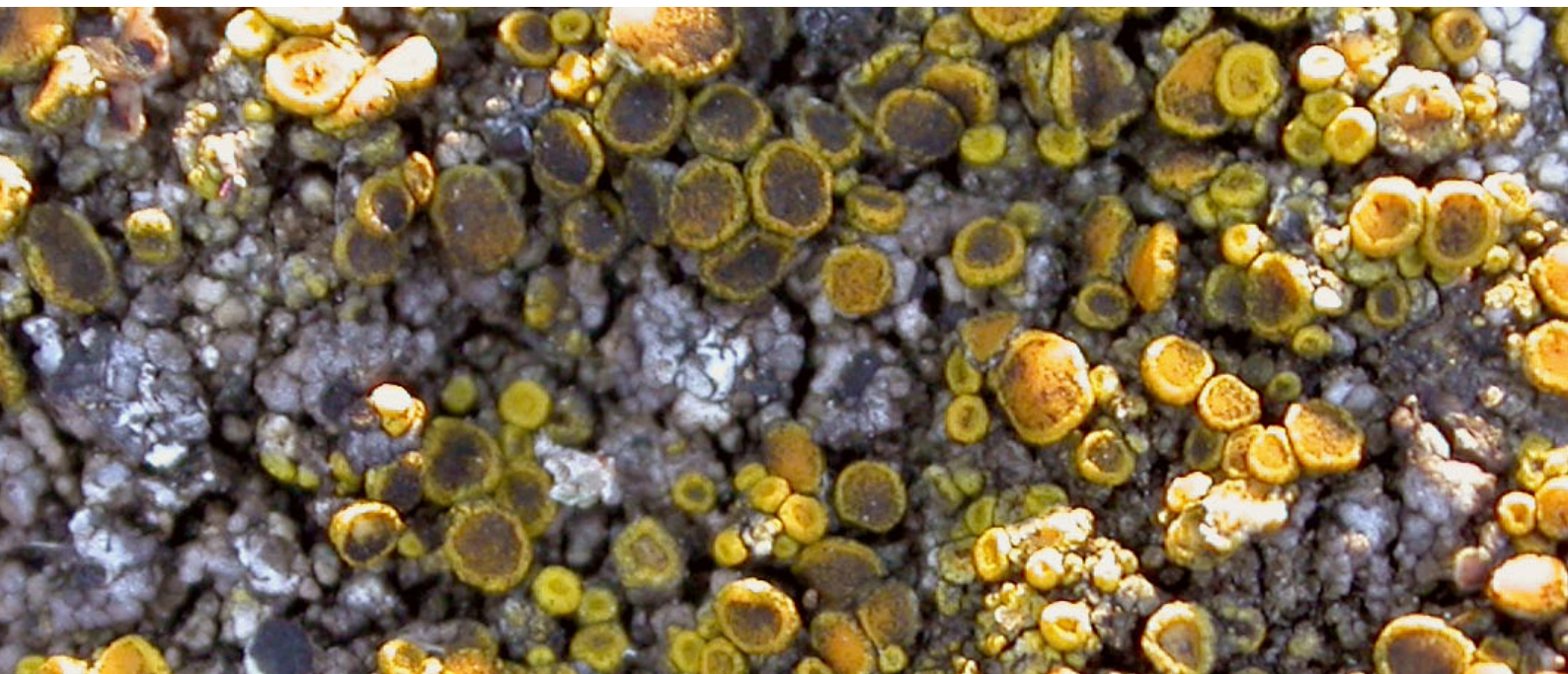
At the CAFF Flora Group meeting held in Helsinki in March 2001, the need for an Atlas of rare and endemic lichens and bryophytes was discussed. Conservation of the biodiversity in the Arctic flora, including bryophytes and lichens as well as vascular plants, is one of the goals that the CAFF Flora Group is aiming at. It is obviously a prerequisite for dealing with conservation of rare or threatened species in this region, to have access to accumulated information on all the species involved and their distribution within the Arctic.

An Atlas of Rare Endemic Vascular Plants of the Arctic had been published as CAFF Technical Report No. 3 in 1999. The conclusion was made at the meeting that similar information should be accumulated for lichens and bryophytes as well. It was clear, however, that because of scant information on the distribution of lichens and bryophytes in many regions of the Arctic, we had to approach this task in a different way from what was done in the case of vascular plants. Before picking out and identifying the rare taxa, it was a prerequisite first to compile a total list of all species in the Arctic, and then filter out a preliminary list of the rare and endemic species, that could then serve as a basis for further selection of the species to be included in the Atlas.

It became the responsibility of the first author to initiate the work, compile the first main bulk of information, construct a database and maintain it to keep the data. The second author is responsible for providing

information on the lichenicolous fungi, as well new data from the Russian Arctic. The third author has provided access to his unpublished database on Greenland lichens. The aim of this paper is to provide both a total checklist of lichens and lichenicolous fungi in the Arctic (Table 4) as well as a preliminary list of rare and endemic lichens (Tables 2 and 3).

The work that had already been initiated towards a Panarctic Flora by the PAF working group was a great help in preparations for producing the initial panarctic lichen checklist presented here. Panarctic checklist of vascular plants had already been made, although not published, providing solutions to some important problems that could be used for the panarctic lichen checklist. This applied to natural delimitation of the Arctic suitable for floristic work, as well as the regional division, both of which were adopted with little changes. The panarctic lichen checklist was first opened on <http://www.arcticportal.org> on Dec. 2006. Since then many additions have been made to the list, and a number of dubious species have been dropped off as a result of continuing progress in taxonomic work that has shown them to be synonyms of other known species. A rough estimate of the frequency of the individual species has been added to the checklist, both within the Arctic and outside the Arctic, allowing us to filter out a preliminary list of rare and endemic species in the Arctic. This list should serve as a candidate list that needs to be further refined for inclusion in the Atlas of rare and endemic lichens in the Arctic.

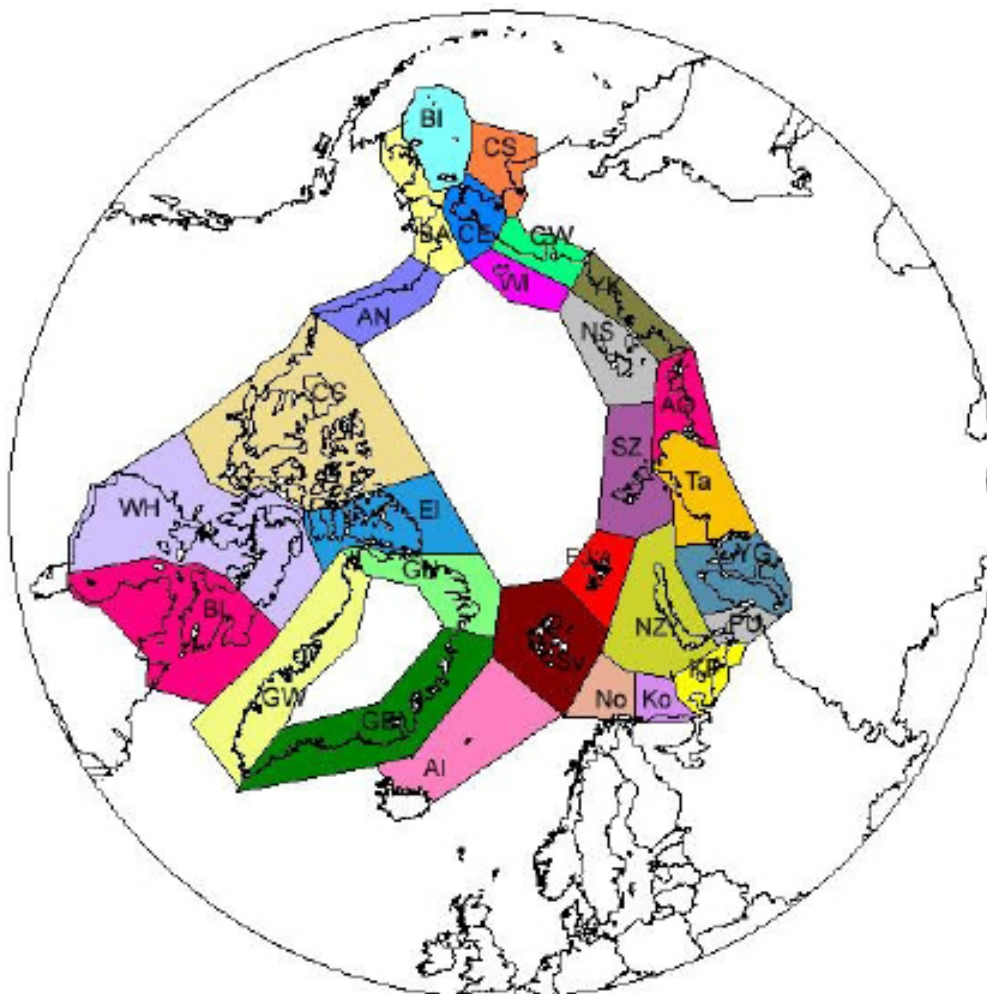


## 1. Delimitation and division of the Arctic

In order to compile a list of Arctic species, it is very important to select carefully the southern boundary of the Arctic. Political lines cannot be used, because such boundaries would result in a very large list with a mixture of arctic, subarctic and boreal species. The arctic flora should reflect the typical vegetation of the tundra north of the boreal forests. More or less treeless, oceanic areas containing more southern species generally not present in the arctic tundra, should be excluded. The present southern boundary was carefully selected within the PAF project, considering both climatic and floristic characteristics (XX). Although lichens in general are less restricted in their distribution than vascular plants, this same border appears to fit very well as southern limit for the distribution of arctic lichens. In our experience, movement of the arctic boundary even a short distance to the south, can at least in certain regions have strong influence on the species composition. This is apparent in the cases of Iceland, North Norway, and the Kola Peninsula in Russia. Attempts to move the borderline inland from

the northern coastal regions to fjords or valleys with south facing slopes, result in great number of species not present anywhere else in the Arctic. Similar case is seen in South West Greenland, containing a small area that in strict sense should not be included in the Arctic, though the whole Greenland is included here for practical reasons.

Subdivision of the Arctic into 28 sectors (Fig. 1, Table 1) also follows mainly the division used in the PAF project. In a few cases we kept some islands separate from their mainland in the beginning, thus representing very small sectors. Some of them have now been united like in the PAF project, for example Jan Mayen with Arctic Iceland and Bear Island with Svalbard. Others, like the Beringian Islands are still kept separate from the mainland on both sides. However, since we started this work, the regional division used for the PAF checklist has been developed and changed further, with some changes that have not yet been adopted in the checklist of lichens and lichenicolous fungi.



## 2. Compilation of the checklist

A simple Access-database was constructed to accommodate the data. Originally the main bulk of information was harvested by the first author from the following publications and databases:

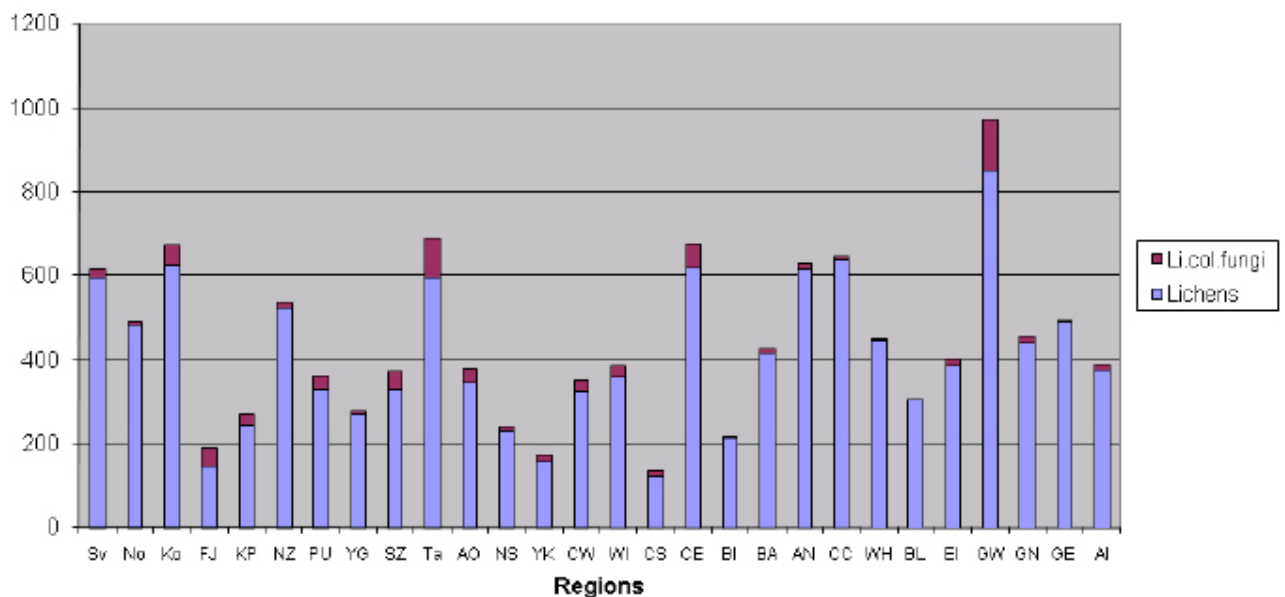
- **North America:** Thomson, J. W., The American Arctic Lichens. Vols. I, II. Brodo I. M. et al., Lichens of North America.
- **Greenland:** Hansen, E.S., Database of Greenland Lichens.
- **Arctic Iceland:** Kristinsson, H., Floristic Database of Iceland, including Vascular plants, Bryo-phytes and Lichens.
- **Svalbard:** Elvebakk, A. & Hertel, H., Checklist of Lichens and Lichenicolous Fungi of Svalbard.
- **Norway:** Timdal, E., Norwegian Lichen Database.
- **Russian Arctic:** Andreev M. P. et al., Checklist of Lichens and Lichenicolous fungi of the Russian Arctic.

These and other references are cited in the bibliography at the end of the Checklist (Table 5). Besides many floristic lists published from the Arctic regions, recent systematic revisions of certain genera and families have been consulted. These have been extremely useful especially those where types of arctic species

have been studied. This has made it possible to correct the nomenclature and reduce the number of species recorded under different synonyms. Besides lichens, the lichenicolous fungi are also included in the list, marked with an asterisk. It must be noted, that many of the sources used do not include the lichenicolous fungi, and therefore the information on them is very incomplete for many areas. For this reason we have not yet made an attempt to estimate the frequency of every single species of lichenicolous fungi.

The nomenclature used in the checklist mainly follows three sources: 1. the Index fungorum: <http://www.indexfungorum.org/Names/Names.asp>, 2. Esslinger, T.D. 2008: The cumulative checklist for the lichen-forming, lichenicolous and allied fungi of the Continental United States and Canada, <http://www.ndsu.nodak.edu/instruct/esslinge/chcklst/chcklst7.htm>, and 3.

Santesson et al. 2004: Lichen-forming and lichenicolous fungi of Fennoscandia. Although infraspecific taxa have been included in the database where such information was available in the source data, they have been to large extent been filtered out in tables 2, 3 and 4 and are not included when counting the species (Fig. 2). This is because information on them is inconsistent between the different regions. Subspecies and varieties are distinguished in some regional lists, but only the cumulative species in others.



### 3. Number of taxa per region

The number of species recorded for each region is very variable, from 138 up to almost 1000 (Fig. 2). These figures are not necessarily an indication of biological diversity, but do also reflect very different efforts in collecting and recording the species in different regions. The size of the area also has a great influence. Great diversity can not be expected in relatively small islands like the Beringian Islands, or the arctic coasts of Norway and Iceland which actually cover very small areas. The highest species number is found in West Greenland, which offers great diversity in habitats from subarctic to high arctic, and from oceanic to very continental sites. This is also a sector where many regions have been intensively investigated for a long time. It appears from the graph (Fig. 2) that about 600-700 species should be expected in fairly well investigated arctic regions, excluding small ones or areas with low habitat diversity. The lichenicolous fungi have been badly recorded in many regions, especially in the North American Arctic apart from West Greenland.

### 4. List of rare or endemic species —taxonomi problems

The total list of Arctic lichenized or lichenicolous fungi counts 1860 species. Of these 1610 are true lichens, and 250 are lichenicolous fungi. 133 of these 1610 lichenized species appear endemic to the Arctic according to the present rating (table 2). It is, however, remarkable that more than a half of these 133 endemic species, or 82, have been reported in only one of the arctic sectors, in many cases found only once. Most of these 82 species are based upon old collections from the first half of the last century, described by four authors: Bernt Lynge, Edvard Vainio, Adolf Hugo Magnusson or Alexander Zahlbruckner. All these collections are from a few regions: Greenland, Svalbard, Beringian Chukotka, Novaya Zemlya, or Taimyr. We see this as an indication, that many of these are not really truly separate species, but would probably be shown to belong to other known species by careful investigation of their types. Many such cases have been clarified in the past years, as can be partly seen from the table of synonyms (Table 6) and without doubt more such cases will turn up as a result of future taxonomic research. More than 80 percent of

the 82 species belong to taxonomically difficult genera that are in need of revision, like *Lecidea*, *Lecanora*, *Rhizocarpon*, *Caloplaca*, *Acarospora*, *Aspicilia*, and *Verrucaria*. That the presumably endemic species are accumulated in the badly known genera, can be seen as a support to the idea, that the fragmentary knowledge of the taxonomy of the species explains the great number of “endemic” species recorded in the Arctic (Table 2).



Besides the species considered endemic in the Arctic, about 223 species of lichenized fungi have been rated as rare in the outside world (Table 3). Again a relatively large proportion, although less than a half of these species (102), have been recorded in only one of the Arctic sectors.

### 5. Estimate of frequency

In order to produce a list of rare or endemic arctic species, we had to find a way to give some ratings for the frequency of the individual species both within the Arctic and outside it, and mark it in the database. Since no consistent measurements have been made for this frequency, we had to use a very rough estimate resulting from various literature records. For some species very little information could be found. For estimating the frequency within the Arctic we used the numbers 1-5 in the database as follows:

1. Very rare, only in one or few localities.
2. Rare, found in several regions or localities.
3. Scattered to rather rare, but widely distributed or frequent in some regions

4. Rather common in most or some parts of the Arctic.
5. Very common and widely distributed throughout the Arctic.

There can be at least three reasons for that a species is classified as rare in the Arctic. Firstly these may be species common in warmer parts of the world, but rarely reaching the Arctic because of unfavourable conditions. Secondly, some species may have more or less global but scattered distribution, being rare everywhere. At last some species are very inconspicuous and rarely collected, possibly much more widely distributed in the Arctic than recorded.

In order to get some idea about how important the Arctic population is for the conservation of the species as a whole, we had to gather also some knowledge on their distribution outside the Arctic. Special interest deserve species that are rare or absent outside the Arctic regions. Therefore we used a completely different frequency scale for the rest of the world:

- o. No records known outside the Arctic, species probably endemic in the Arctic.
- r. Species very rare outside the Arctic.
- s. Scattered outside the Arctic, possibly rather common in limited areas, or found in different, distant regions of the world.
- c. Species either common, or possibly rare but widely distributed in large parts of the world, or at least rather common in some regions.

The last class, c for common, is here used in a very wide sense. For this class it is sufficient for a species to be common or widely distributed in only small part of the world, like i.g. the western part of North America, or in Northern Europe and the Alps.

## **6. Further progress on the list of endemic and rare species of the Arctic**

The preliminary list of endemic and rare species in the Arctic presented here, can be seen as a first step towards a final list and mapping of rare and endemic lichens in the Arctic. Included in the list are without doubt a considerable number of species names that do not deserve recognition or are based on misidentifications. The next step should include critical evaluation of all these species by studying their types and comparing them to related species. That is the only way to separate them from truly valid species names, and ensure that we include in the list only true species that deserve conservation.

If we do not want to wait for such critical taxonomic studies, we will have to preliminarily exclude many of these species from the final list of rare or endemic arctic species, until they have been subjected to careful taxonomic studies by modern methods. They can then be added again later, in case their existence will be proved.



Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Abrothallus bertianus</i> *									x																		x			
<i>Abrothallus caerulescens</i> *									x																					
<i>Abrothallus parmeliarum</i> *					x				x	x		x	x			x			x								x			
<i>Abrothallus suecicus</i> *									x																					
<i>Absconditella delutula</i>	1	s																										x		
<i>Acanthonitschkea peltigericola</i> *						x																								
<i>Acarospora almquistii</i>	1	r																	x											
<i>Acarospora badiofusca</i>	3	s	x					x					x								x		x	x			x	x	x	
<i>Acarospora brunneola</i>	1	r																									x			
<i>Acarospora bullata</i>	1	s						x																						
<i>Acarospora cervina</i>	1	s												x													x			
<i>Acarospora discreta</i>	1	s																									x	x		
<i>Acarospora friesii</i>	1	o																									x			
<i>Acarospora fuscata</i>	5	c	x	x	x			x				x				x		x	x	x	x	x			x	x	x	x		x
<i>Acarospora glaucocarpa</i>	4	c	x		x			x					x	x					x		x	x	x		x	x			x	
<i>Acarospora groenlandica</i>	1	o																											x	
<i>Acarospora heppii</i>	1	c																			x						x			
<i>Acarospora hospitans</i>	2	s	x		x							x																x	x	
<i>Acarospora impressula</i>	2	s										x							x								x	x		
<i>Acarospora macrospora</i>	1	s						x								x		x												
<i>Acarospora molybdina</i>	4	s	x	x	x	x		x				x		x					x				x	x		x	x	x	x	
<i>Acarospora nitida</i>	1	o																									x			

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Acarospora nitrophila</i>	1	s										x															x	x		
<i>Acarospora novae-zemliae</i>	1	o						x																						
<i>Acarospora peliscypha</i>	2	r	x	x								x													x	x		x	x	
<i>Acarospora persimilis</i>	1	o	x																								x			
<i>Acarospora putoranica</i>	1	r										x																		
<i>Acarospora pyrenopsoides</i>	2	s																							x	x			x	
<i>Acarospora rhizobola</i>	1	r			x							x															x	x		
<i>Acarospora rosulata</i>	1	r	x																											
<i>Acarospora rugulosa</i>	3	s	x																				x			x			x	
<i>Acarospora scabrida</i> s.lat.	3	s	x					x				x										x	x		x	x	x	x	x	
<i>Acarospora schleicheri</i>	4	c														x					x	x				x	x	x		
<i>Acarospora scyphulifera</i>	2	s	x									x				x		x									x			
<i>Acarospora sinopica</i>	3	s	x	x	x			x															x	x		x	x	x		
<i>Acarospora smaragdula</i> s.lat.	5	c	x	x				x		x	x	x							x		x	x	x			x	x	x	x	x
<i>Acarospora stapfiana</i>	1	c																									x			
<i>Acarospora thamnina</i>	1	s						x																						
<i>Acarospora tuberculata</i>	1	o																									x			
<i>Acarospora umbilicata</i>	1	s																									x			
<i>Acarospora veronensis</i>	5	c	x		x			x		x					x							x	x	x		x	x	x	x	x
<i>Acarospora verruciformis</i>	1	s																									x			
<i>Adelococcus alpestris</i> *																											x			
<i>Adelolecia kolaensis</i>	3	s	x	x	x			x		x					x							x					x	x	x	x

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Adelolecia pilati</i>	4	s	x	x	x				x							x	x		x	x	x	x	x				x	x	x	
<i>Agonimia gelatinosa</i>	3	c	x	x		x	x	x			x	x		x			x					x	x	x		x				
<i>Agonimia tristicula</i>	1	c	x								x						x													
<i>Alectoria ochroleuca</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Alectoria sarmentosa</i> ssp. <i>vexillifera</i>	4	c	x	x	x		x																x	x	x	x	x		x	x
<i>Allantoparmelia almquistii</i>	4	s						x	x			x			x	x	x		x		x	x	x	x	x		x		x	
<i>Allantoparmelia alpicola</i>	5	c	x	x	x			x	x		x	x	x	x		x	x		x	x	x	x	x	x	x	x	x		x	x
<i>Allantoparmelia sibirica</i>	2	r						x	x			x				x	x		x											
<i>Allocetraria madreporiformis</i>	3	s	x			x		x	x		x	x		x			x		x		x	x	x	x		x				
<i>Amandinea adjuncta</i> *	1	r		x																							x			x
<i>Amandinea cacuminum</i>	4	c	x	x	x	x				x	x	x	x						x			x	x	x			x	x	x	
<i>Amandinea coniops</i>	5	c	x	x	x			x			x	x	x						x								x		x	x
<i>Amandinea lecideina</i>	1	c		x																										x
<i>Amandinea punctata</i>	5	c	x	x	x	x		x	x	x	x	x	x	x		x			x	x		x	x	x		x	x	x	x	x
<i>Amygdalaria consentiens</i>	2	c	x	x																x							x			x
<i>Amygdalaria elegantior</i>	3	s		x	x							x				x	x	x	x			x					x		x	
<i>Amygdalaria panaeola</i>	3	s	x	x	x			x	x			x			x	x			x	x	x	x		x	x		x		x	
<i>Amygdalaria pelobotryon</i>	3	c			x																x	x		x	x		x		x	x
<i>Amygdalaria subdissentiens</i>	1	s																	x											
<i>Anaptychia bryorum</i>	1	r									x	x										x	x			x				
<i>Anaptychia ciliaris</i>	1	c		x	x							x																		x
<i>Anaptychia crinalis</i>	1	s																					x		x					

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Anaptychia ethiopica	1	s										x																		
Anaptychia runcinata	1	c		x																										x
Anaptychia ulotricoides	1	r																				x								
Arctocetraria andrejevii	5	c					x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	
Arctocetraria nigricascens	4	s	x		x	x	x			x	x	x	x	x		x	x		x	x	x	x	x	x	x	x	x	x		
Arctocetraria simmonsii	1	o																									x			
Arctomia delicatula	4	c	x	x	x			x			x	x	x				x		x				x	x		x	x		x	x
Arctomia interfixa	2	r	x	x				x			x	x							x				x	x	x		x			x
Arctoparmelia centrifuga	5	c	x	x	x		x	x	x		x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		x	
Arctoparmelia incurva	5	s	x	x	x			x	x		x	x	x			x	x		x		x	x	x	x	x	x	x	x	x	x
Arctoparmelia separata	5	s						x	x		x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x
Arctoparmelia subcentrifuga	1	s																			x							x		
Arctopeltis thuleana	3	o	x			x		x				x		x					x					x			x			
Arrhenia velutipes	1	v	x																											
Arthonia almquistii*																			x											
Arthonia apatetica	1	c										x																		
Arthonia clemens*	r	c				x						x				x											x			
Arthonia destruens*																											x	x		
Arthonia epimela*																											x			
Arthonia epiphyscia*	2	c				x			x			x							x								x			
Arthonia excentrica*					x	x					x	x	x			x	x		x								x			
Arthonia fuscopurpurea*																											x			

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
<i>Arthonia glacialis</i> *																												x			
<i>Arthonia glebosa</i>	1	r																									x			x	
<i>Arthonia intexta</i> *					x																	x	x								
<i>Arthonia lapidicola</i>	3	c	x					x					x						x			x	x			x				x	
<i>Arthonia mediella</i>	2	s			x																	x									
<i>Arthonia molendoi</i> *												x					x										x	x			
<i>Arthonia obscurior</i> *			x	x																x							x				
<i>Arthonia patellulata</i>	1	c																									x				
<i>Arthonia peltigerea</i> *	2	s				x							x														x				
<i>Arthonia peltigerina</i> *	3							x			x	x	x				x		x								x				
<i>Arthonia pelveti</i> *																											x				
<i>Arthonia phaeobaea</i>	1	c		x																											
<i>Arthonia radiata</i>	1	c		x	x																										
<i>Arthonia stereocaulina</i> *					x	x					x	x					x		x								x			x	
<i>Arthonia triebeliae</i> *													x										x								
<i>Arthonia varians</i> *	2	c							x																						x
<i>Arthophacopsis parmiliarum</i> *																				x											
<i>Arthopyrenia analepta</i>	2	c			x		x				x									x											
<i>Arthopyrenia grisea</i>	1	s			x																						x				
<i>Arthopyrenia humicola</i>	1	s																		x											
<i>Arthopyrenia kentrospora</i>	1	o																									x				
<i>Arthopyrenia punctiformis</i>	2	c		x	x															x			x				x				

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Arthrorhaphis alpina</i>	5	c	x	x	x			x			x	x							x		x	x	x	x	x	x	x	x	x	x
<i>Arthrorhaphis citrinella</i>	5	c	x	x	x					x		x	x	x		x	x		x		x	x	x	x	x	x	x	x	x	x
<i>Arthrorhaphis grisea</i>	1	c																	x											
<i>Arthrorhaphis vacillans</i>	3	s						x			x	x	x	x		x	x										x		x	
<i>Arthrosporum populorum</i>	1	s			x																		x							
<i>Asahinea chrysantha</i>	3	s						x	x	x		x	x	x	x	x	x	x	x		x	x	x	x	x					
<i>Asahinea scholanderi</i>	3	s										x	x			x	x	x	x		x	x	x	x						
<i>Ascochyta santessonii*</i>																											x			
<i>Aspicilia alboradiata</i>	3	r	x					x			x	x											x			x	x		x	
<i>Aspicilia aliena</i>	2	s						x															x				x			
<i>Aspicilia annulata</i>	2	r																				x					x	x	x	
<i>Aspicilia anseris</i>	3	s									x										x	x	x	x		x			x	
<i>Aspicilia aquatica</i>	4	c	x		x						x									x	x	x					x	x	x	
<i>Aspicilia arctica</i>	3	s																					x			x	x		x	
<i>Aspicilia aspicilioidea</i>	1	r	x																											
<i>Aspicilia berntii</i>	3	r	x			x		x					x				x								x		x	x	x	
<i>Aspicilia caesiocinerea</i>	4	c	x		x				x			x	x						x		x	x	x	x	x	x	x		x	x
<i>Aspicilia caesiopruinosa</i>	1	r																						x						
<i>Aspicilia calcarea</i>	2	c						x				x	x				x		x									x		
<i>Aspicilia candida</i>	4	c						x				x					x				x	x	x	x		x	x	x	x	
<i>Aspicilia cinerea</i>	5	c	x	x	x			x	x	x		x	x	x		x	x		x		x	x	x	x	x		x	x	x	x
<i>Aspicilia cingulata</i>	3	s						x													x	x		x	x	x			x	

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Aspicilia circularis</i>	1	o	x					x																					x	
<i>Aspicilia composita</i>	1	o												x										x		x			x	
<i>Aspicilia concinna</i>	1	o																				x								
<i>Aspicilia contigua</i>	1	o												x								x				x			x	
<i>Aspicilia contorta s. lat.</i>	2	c																	x									x		
<i>Aspicilia dendroplaca</i>	1	r						x																						
<i>Aspicilia disserpens</i>	4	s	x					x			x			x								x	x	x	x		x	x		x
<i>Aspicilia dudinensis</i>	1	r										x																		
<i>Aspicilia elevata</i>	2	r	x																			x	x				x	x		
<i>Aspicilia expansa</i>	1	r																											x	
<i>Aspicilia farinosa</i>	1	c													x															
<i>Aspicilia fimbriata</i>	1	s										x										x		x						
<i>Aspicilia gibbosa</i>	3	c	x	x	x			x	x			x	x	x					x											x
<i>Aspicilia gyrodes</i>	1	r			x			x			x																			
<i>Aspicilia heteroplaca</i>	1	o	x					x						x			x					x								
<i>Aspicilia humboldtii</i>	1	o																								x	x			x
<i>Aspicilia hyperboreorum</i>	1	r						x			x																			
<i>Aspicilia indissimilis</i>	1	s						x																						
<i>Aspicilia laevata</i>	2	c						x			x	x							x											
<i>Aspicilia laevatoides</i>	1	s												x																
<i>Aspicilia lapponica</i>	1	r									x																			
<i>Aspicilia leproscens</i>	1	c					x																							

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Aspicilia lesleyana</i>	4	c	x					x				x									x	x	x			x	x	x	x	
<i>Aspicilia mashiginensis</i>	2	s	x					x															x					x	x	
<i>Aspicilia mastrucata</i>	3	c		x	x							x	x				x										x	x	x	
<i>Aspicilia moenium</i>	1	c					x																							
<i>Aspicilia multipunctata</i>	1	r		x															x											
<i>Aspicilia narssaquensis</i>	1	o																					x		x	x				
<i>Aspicilia nathorstii</i>	1	o																							x				x	
<i>Aspicilia nordlandica</i>	1	r									x								x											
<i>Aspicilia novae-semiliae</i>	1	o						x																	x					
<i>Aspicilia ochrofusca</i>	1	o						x																						
<i>Aspicilia pergibbosa</i>	3	s	x		x																	x	x				x		x	
<i>Aspicilia peripterodes</i>	1	s																	x											
<i>Aspicilia perpendicularis</i>	1	o	x																											
<i>Aspicilia perradiata</i>	5	c	x			x		x				x		x			x		x		x	x	x	x	x	x	x	x	x	x
<i>Aspicilia pertusa</i>	1	o																						x		x				x
<i>Aspicilia plicigera</i>	3	s						x			x			x			x					x	x	x	x	x				
<i>Aspicilia polychroma</i>	2	s	x					x					x	x														x		
<i>Aspicilia reticulata</i>	1	r													x															
<i>Aspicilia rosulata</i>	4	s				x		x				x							x		x	x	x	x	x	x	x		x	
<i>Aspicilia ryrkaipiae</i>	2	s																	x		x	x	x							
<i>Aspicilia simoënsis</i>	1	c			x																						x		x	
<i>Aspicilia subdepressa</i>	1	s																	x											



Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
<i>Aspicilia sublapponica</i>	3	r						x			x	x							x			x						x	x		
<i>Aspicilia subplicigera</i>	2	s						x			x	x		x									x								
<i>Aspicilia subradians</i>	3	c			x					x									x	x		x	x	x	x						
<i>Aspicilia supertegens</i>	4	c	x					x											x			x	x	x		x	x				
<i>Aspicilia syrnaiae</i>	1	r						x																							
<i>Aspicilia vaginans</i>	1	o						x																							
<i>Aspicilia valpellinensis</i>	1	r						x																							
<i>Aspicilia verrucigera</i>	1	s																											x		
<i>Aspicilia verruculosa</i>	1	s						x	x																						
<i>Aspicilia virginea</i>	1	r						x																							
<i>Aspicilia zonata</i>	3	r	x		x							x		x	x													x			
<i>Aspilidea myrinii</i>	2	c			x																	x	x		x		x				
<i>Bachmanniomyces uncialicola*</i>								x				x					x				x	x									
<i>Bacidia alborussula</i>	1	r																	x												
<i>Bacidia allinita</i>	1	r																	x												
<i>Bacidia bagliettoana</i>	5	c	x	x	x		x				x	x	x				x				x	x	x	x		x	x		x	x	
<i>Bacidia beckhausii</i>	2	c			x				x													x	x							x	
<i>Bacidia friesiana</i>	1	s																										x			
<i>Bacidia graminum</i>	1	r																	x												
<i>Bacidia herbarum</i>	3	c		x	x							x							x				x	x						x	
<i>Bacidia igniarii</i>	2	s																				x									
<i>Bacidia illudens</i>	3	s		x			x					x											x			x	x				

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Bacidia indigena	1	o																	x											
Bacidia inundata	1	c								x																	x			
Bacidia killiasii	1	s																									x			
Bacidia rivulicola	1	s														x														
Bacidia rubella	1	c											x																	
Bacidia siberiensis	1	r																	x	x			x							
Bacidia subabbrevians	1	v																	x											
Bacidia subincompta	3	c		x	x				x			x							x			x								
Bacidia trachona	2	c	x					x								x						x	x							
Bacidia venusta	1	r	x																											
Bacidia verecundula	1	r																					x			x				
Bacidia vermifera	1	s								x																			x	
Bacidia xylophila	1	o										x	x																	
Baeomyces carneus	4	c			x	x	x			x	x	x	x			x	x	x	x			x	x	x		x	x	x	x	
Baeomyces placophyllus	4	c	x		x		x	x	x	x	x	x	x			x			x		x	x	x	x			x	x	x	
Baeomyces rufus	5	c	x		x				x	x	x	x	x	x		x	x	x	x			x	x	x	x		x	x	x	x
Bellemerea alpina	4	c	x	x	x			x											x						x	x	x		x	x
Bellemerea cinereorufescens	4	c	x	x	x			x		x	x					x			x		x	x	x			x		x		
Bellemerea cupreoatra	1	s			x										x															
Bellemerea diamarta	1	c			x														x											
Bellemerea subsorediza	3	s	x	x	x														x				x				x	x	x	
Belonia arctica	1	o						x																						



Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Bryonora castanea</i>	5	c	x	x		x	x	x	x	x	x	x		x		x	x		x		x	x	x	x	x	x	x	x	x	x
<i>Bryonora curvescens</i>	3	s	x	x								x										x				x	x			x
<i>Bryonora pruinosa</i>	1	s																									x	x		
<i>Bryonora septentrionalis</i>	1	s	x		x																									
<i>Bryoria americana</i>	1	s																			x									
<i>Bryoria bicolor</i>	2	c										x				x			x											
<i>Bryoria capillaris</i>	1	c							x														x							
<i>Bryoria chalybeiformis</i>	5	c	x	x	x	x	x	x	x	x	x	x	x							x	x	x	x	x	x	x	x	x	x	x
<i>Bryoria fremontii</i>	1	c			x				x																					
<i>Bryoria furcellata</i>	2	s			x		x			x			x																	
<i>Bryoria fuscescens</i>	3	c		x	x	x	x	x	x			x				x			x		x	x	x	x			x			x
<i>Bryoria glabra</i>	1	c																					x							
<i>Bryoria implexa</i>	2	c			x		x		x															x						
<i>Bryoria lanestris</i>	3	c			x							x	x			x			x			x	x	x	x			x		
<i>Bryoria nadvornikiana</i>	1	c										x										x	x							
<i>Bryoria nitidula</i>	5	c			x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
<i>Bryoria simplicior</i>	3	c			x		x		x	x		x	x			x			x		x	x	x					x		
<i>Bryoria tenuis</i>	2	c		x																x	x		x	x				x		
<i>Buellia aethalea</i>	4	c	x	x				x	x	x		x	x						x			x	x	x		x	x		x	x
<i>Buellia arctica</i>	1	o										x																		
<i>Buellia avium</i>	1	r						x																						
<i>Buellia badia</i>	1	c		x					x	x						x												x		

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Buellia chionea	1	r		x				x																			x			
Buellia concinna	1	c		x				x					x						x								x			x
Buellia crepera	1	s																									x			
Buellia disciformis	5	c	x	x	x			x	x	x		x	x	x		x	x		x		x	x	x				x	x	x	x
Buellia discoënsis	1	o																										x		
Buellia ectolechioides	1	s	x	x	x			x											x								x			
Buellia elegans	2	c										x	x									x	x		x			x		
Buellia epigaea	1	c						x		x	x					x											x	x	x	
Buellia erubescens	1	c			x																		x							
Buellia geophila	5	c	x	x	x	x		x			x	x	x			x	x		x		x	x	x	x	x	x	x	x	x	x
Buellia immersa	1	o			x			x																			x			
Buellia insignis	5	s	x	x	x			x			x	x	x	x	x	x	x		x								x	x		x
Buellia leptocline	3	c		x								x														x	x		x	
Buellia minutissima	1	o						x																						
Buellia miriquidica	1	s		x				x																			x			
Buellia notabilis	1	o											x									x	x							
Buellia ocellata	1	s		x						x																				x
Buellia papillata	5	c	x	x			x	x		x	x	x	x	x		x	x		x		x	x	x	x	x	x	x	x	x	x
Buellia polyspora	1	c																				x								
Buellia postglacialis	1	o	x																											
Buellia scalpturata	1	r																	x											
Buellia schaeferi	1	c			x				x																					

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Buellia septentrionalis	1	r																	x											
Buellia spuria	1	c																					x							
Buellia stellulata	1	c																										x		
Buellia subdispersa	1	s											x	x									x							
Buellia subviridescens	2	r											x						x											
Buellia terricola	1	r									x														x	x			x	
Buellia tesserata	1	s																									x			
Buellia triphragmioides	1	c		x	x							x																		
Buellia uberior	1	s		x	x			x																						
Buellia venusta	1	c																					x			x	x			
Buellia vilis	2	c	x					x		x									x			x	x		x	x			x	
Calicium abietinum	1	c																					x							
Calicium salicinum	1	c			x																		x							
Calicium trabinellum	2	c			x											x							x							
Calicium viride	1	c	x		x																		x							
Caloplaca abbreviata	1	s										x																		
Caloplaca alaskensis	1	o	x																											
Caloplaca alcarum	4	r	x					x				x							x				x		x	x	x	x	x	x
Caloplaca ammiospila	5	c	x	x	x		x	x	x	x	x	x	x	x	x	x	x		x			x	x	x	x	x	x	x	x	x
Caloplaca anchon-phoeniceon	1	r	x																								x			
Caloplaca approximata	3	c	x					x									x										x	x		
Caloplaca aractina	1	s															x													

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
Caloplaca arenaria	2	c	x																								x		x		
Caloplaca borealis	3	r			x					x		x	x										x				x				
Caloplaca cacuminum	1	s																									x				
Caloplaca caesiorufella	3	c	x		x					x		x		x		x	x											x			
Caloplaca castellana	2	s	x					x																			x	x	x		
Caloplaca celata	2	o	x														x						x		x	x	x	x			
Caloplaca cerina	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x			x	x	x	x	x	x	x	x	x	x
Caloplaca chlorina	1	c						x																							
Caloplaca cirrhochroa	3	c																				x	x		x	x					
Caloplaca citrina	3	c	x		x		x	x															x			x	x	x		x	
Caloplaca coccinea	1	s	x																												
Caloplaca concilians	1	s	x					x																							
Caloplaca conciliascens	1	s	x																												
Caloplaca crenularia	3	c		x	x																	x	x	x	x		x	x			
Caloplaca decipiens	2	c	x																								x				
Caloplaca diphyes	1	r						x																							
Caloplaca diphyodes	2	c	x		x			x															x	x		x	x	x			
Caloplaca discolor	1	c						x														x	x								
Caloplaca elaeophora	1	o																									x	x			
Caloplaca elvebakkiana	1	o	x																												
Caloplaca epithallina	1	c	x									x															x				
Caloplaca etesiae	1	r																	x												

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Caloplaca exsecuta</i>	2	s	x					x				x									x		x				x		x	
<i>Caloplaca ferruginea</i>	2	c		x	x		x	x				x							x											
<i>Caloplaca ferrugineofusca</i>	2	o										x											x							
<i>Caloplaca flavorubescens</i>	2	c			x			x				x				x														x
<i>Caloplaca flavovirescens</i>	2	c			x																x		x				x	x		
<i>Caloplaca fraudans</i>	5	r	x	x	x			x				x									x	x	x		x	x	x	x	x	
<i>Caloplaca fulvolutea</i>	1	c																									x			
<i>Caloplaca fulvotestacea</i>	1	s										x																		
<i>Caloplaca fuscorufa</i>	2	c	x																											
<i>Caloplaca geogena</i>	1	o																	x											
<i>Caloplaca holocarpa</i>	5	c	x		x		x	x	x	x		x	x	x					x	x	x	x	x	x		x	x	x	x	x
<i>Caloplaca insularis</i>	1	s	x																								x	x		
<i>Caloplaca invadens</i>	2	s	x																			x	x	x		x	x		x	
<i>Caloplaca jemtlandica</i> var. <i>cerinospora</i>	1	o																									x			
<i>Caloplaca jenisejensis</i>	1	r										x																		
<i>Caloplaca jungermanniae</i>	5	c	x		x	x	x	x		x	x	x	x	x		x	x		x	x		x	x	x		x	x	x	x	x
<i>Caloplaca lactea</i>	2	c											x														x			
<i>Caloplaca latispora</i>	1	r						x																						
<i>Caloplaca livida</i>	1	r	x					x				x															x		x	
<i>Caloplaca magni-filii</i>	2	s	x		x																						x		x	
<i>Caloplaca marina</i>	4	c		x	x			x											x	x							x			x
<i>Caloplaca microthallina</i>	1	s		x	x																									



Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Caloplaca nivalis</i>	3	s	x	x	x			x				x											x			x	x		x	x
<i>Caloplaca obliterans</i>	1	s			x																						x			
<i>Caloplaca paulii</i>	1	r																									x	x		
<i>Caloplaca phaeocarpella</i>	3	c	x		x						x	x				x				x	x		x				x		x	
<i>Caloplaca pinicola</i>	1	r																					x							
<i>Caloplaca polaris</i>	1	o																	x											
<i>Caloplaca psoricida</i>	1	r									x	x															x		x	
<i>Caloplaca saxicola</i>	4	c	x	x	x	x		x				x							x		x		x		x		x	x	x	
<i>Caloplaca saxifragarum</i>	3	r	x									x	x			x											x	x		
<i>Caloplaca scabrosa</i>	1	o	x																											
<i>Caloplaca scopularis</i>	3	c	x	x	x														x								x			x
<i>Caloplaca scotoplaca</i>	2	s	x		x			x								x			x											
<i>Caloplaca sibirica</i>	2	r	x				x					x		x																
<i>Caloplaca sinapisperma</i>	4	c	x						x			x		x		x	x		x				x		x		x	x	x	x
<i>Caloplaca sorocarpa</i>	1	s		x																							x	x		
<i>Caloplaca soropelta</i>	1	r	x																								x			
<i>Caloplaca spitsbergensis</i>	3	o	x									x		x		x							x	x			x			
<i>Caloplaca tenuis</i>	1	r												x																
<i>Caloplaca tetraspora</i>	5	c	x	x				x		x	x	x	x	x	x	x	x		x		x	x	x	x	x	x	x	x	x	x
<i>Caloplaca tetrasporella</i>	1	s												x		x														
<i>Caloplaca tirolensis</i>	5	c	x		x	x		x	x	x	x	x	x	x		x	x		x		x	x	x	x	x	x	x	x	x	x
<i>Caloplaca tominii</i>	3	c	x																				x			x	x	x		

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
<i>Caloplaca tornoënsis</i>	4	s	x									x								x	x	x	x	x			x		x	x	
<i>Caloplaca trachyphylla</i>	1	c																									x				
<i>Caloplaca ursina</i>	1	o	x					x																							
<i>Caloplaca variabilis</i>	1	c	x					x														x									
<i>Caloplaca verruculifera</i>	3	c	x	x	x			x												x							x			x	
<i>Caloplaca vitellinula</i>	3	c			x	x		x	x			x	x						x											x	
<i>Caloplaca xantholyta</i>	1	s																	x												
<i>Caloplaca xanthostigmoidea</i>	3	s	x	x	x			x				x										x			x	x	x	x			
<i>Calvitimela aglaea</i>	5	c	x	x	x			x	x			x	x		x	x	x		x	x	x	x	x		x		x	x	x	x	
<i>Calvitimela armeniaca</i>	4	c	x	x	x			x	x							x	x		x			x	x	x	x	x	x	x	x	x	
<i>Calvitimela melaleuca</i>	2	s		x	x			x				x														x				x	
<i>Candelaria concolor</i>	1	c										x							x												
<i>Candelariella arctica</i>	3	r	x	x		x		x											x	x	x	x		x		x	x				
<i>Candelariella athallina</i>	2	s		x						x												x		x				x			
<i>Candelariella aurella</i>	4	c	x	x	x	x		x	x		x	x	x	x		x	x		x		x	x	x	x		x	x	x	x	x	
<i>Candelariella borealis</i>	4	s										x									x		x	x						x	
<i>Candelariella canadensis</i>	2	s										x															x	x	x		
<i>Candelariella coralliza</i>	2	c			x																			x			x			x	
<i>Candelariella decrenata</i>	1	s																	x												
<i>Candelariella dispersa</i>	3	s																				x	x			x	x	x	x		
<i>Candelariella efflorescens</i>	1	c																				x	x								
<i>Candelariella kuusamoënsis</i>	2	c		x	x																						x	x			

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Candelariella placodizans</i>	4	s	x					x			x	x							x			x	x	x	x		x	x	x	x
<i>Candelariella terrigena</i>	4	c										x										x	x	x	x	x	x	x	x	
<i>Candelariella vitellina</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x			x	x	x	x		x	x	x	x
<i>Candelariella xanthostigma</i>	4	c	x		x			x								x				x		x	x	x			x	x	x	
<i>Capronia peltigerae*</i>																											x			
<i>Carbonea aggregantula*</i>							x																							
<i>Carbonea assimilis</i>	1	s		x															x											
<i>Carbonea atronivea</i>	2	r	x																						x		x			
<i>Carbonea supersparsa*</i>	1	s				x			x																		x	x		x
<i>Carbonea vitellinaria*</i>	3	c			x	x			x			x				x			x			x				x	x	x	x	x
<i>Carbonea vorticosa</i>	4	s	x	x	x	x		x			x	x			x	x						x	x	x		x	x	x	x	
<i>Catapyrenium cinereum</i>	5	c	x	x	x			x	x	x	x	x		x		x	x		x	x		x	x	x			x	x	x	x
<i>Catapyrenium daedaleum</i>	3	s	x	x				x			x	x							x								x	x	x	x
<i>Catillaria atomarioides</i>	1	c									x																			
<i>Catillaria chalybeia</i>	3	c							x		x											x		x			x	x	x	
<i>Catillaria contristans</i>	1	s																										x		
<i>Catillaria hoeferi</i>	1	o						x	x																					
<i>Catillaria holtedahlii</i>	1	o						x																						
<i>Catillaria hypochroea</i>	1	o										x	x						x											
<i>Catillaria lenticularis</i>	1	c	x																									x		
<i>Catillaria muscicola</i>	2	r										x									x	x	x					x	x	
<i>Catillaria ochrodela</i>	1	r																	x											

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Catillaria stereocaulorum</i> *	2	c			x	x		x	x	x	x	x	x	x				x	x								x			
<i>Catillaria subnegans</i>	1	o																	x		x									
<i>Catillaria subtrabalis</i>	1	r																	x											
<i>Catinaria atomaria</i>	1	o						x																						
<i>Catinaria atropurpurea</i>	1	c		x	x							x											x				x			
<i>Catolechia wahlenbergii</i>	2	s										x		x					x								x			
<i>Cecidonia umbonella</i> *	1	s														x			x		x									
<i>Cecidonia xenophana</i> *																			x								x			
<i>Celothelium ischnobelum</i>	1	s																									x			
<i>Cephalophysia leucospila</i>	2	r	x					x				x	x										x		x	x		x	x	
<i>Cercidospora caudata</i> *																											x			
<i>Cercidospora cladoniicola</i> *				x																										
<i>Cercidospora decolorella</i> *					x										x				x											
<i>Cercidospora epipolytropa</i> *												x	x														x			
<i>Cercidospora lecidomae</i> *											x								x											
<i>Cercidospora lobothalliae</i> *											x																			
<i>Cercidospora macrospora</i> *																											x			
<i>Cercidospora parva</i> *												x																		
<i>Cercidospora punctillata</i> *				x	x	x	x				x	x	x				x	x	x								x			x
<i>Cercidospora soror</i> *											x																			
<i>Cercidospora stereocaulorum</i> *					x				x		x	x					x		x							x	x			
<i>Cercidospora thamnolii</i> *											x				x															

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Cercidospora trypetheliza</i> *						x						x	x																	
<i>Cercidospora verrucosaria</i> *											x																			
<i>Cetraria aculeata</i>	5	c	x	x	x	x	x	x	x	x	x	x		x		x	x		x	x	x	x	x	x	x	x	x	x	x	x
<i>Cetraria ericetorum</i>	5	c		x	x	x	x	x	x			x		x				x	x	x	x	x	x	x	x	x	x		x	
<i>Cetraria islandica</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Cetraria kamczatica</i>	3	r															x	x	x		x	x								
<i>Cetraria laevigata</i>	4	c					x		x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
<i>Cetraria muricata</i>	5	c	x	x	x		x			x	x	x	x						x		x	x	x	x		x	x	x	x	x
<i>Cetraria nigricans</i>	4	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x		x	x	x	x	x	x	x		x	
<i>Cetraria odontella</i>	2	c			x				x	x		x				x			x			x								
<i>Cetraria sepincola</i>	4	c		x	x		x	x	x	x		x	x		x	x	x		x		x	x	x	x			x		x	x
<i>Cetrariella delisei</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Cetrariella fastigiata</i>	4	s			x	x	x	x		x	x	x	x	x	x	x	x		x	x	x	x	x	x		x	x	x		
<i>Cetrelia alaskana</i>	3	r											x					x	x	x	x		x							
<i>Cetrelia olivetorum</i>	1	c																	x											
<i>Chaenotheca chrysocephala</i>	1	c			x		x																							
<i>Chaenotheca furfuracea</i>	3	c	x	x	x														x			x					x		x	x
<i>Chaenotheca phaeocephala</i>	1	c																				x								
<i>Chaenothecopsis consociata</i> *	1	s					x																							x
<i>Chromatochlamys muscorum</i>	2	c	x									x					x		x											
<i>Chrysothrix chlorina</i>	2	s			x				x						x	x	x		x			x								
<i>Cladidium bolanderi</i>	1	s																		x										

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Cladonia acuminata</i>	4	c	x		x		x			x	x	x	x			x	x		x		x	x	x	x			x		x	x
<i>Cladonia alaskana</i>	3	s							x	x	x	x		x		x	x		x		x	x	x	x	x		x	x		
<i>Cladonia albonigra</i>	1	s																			x									
<i>Cladonia alinii</i>	1	s									x					x														
<i>Cladonia amaurocraea</i>	5	c	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Cladonia arbuscula</i> s. lat.	5	c	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Cladonia asahinae</i>	1	c		x					x			x																		
<i>Cladonia bacilliformis</i>	4	c		x	x		x	x	x	x	x	x			x	x	x				x	x		x			x			
<i>Cladonia bellidiflora</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x
<i>Cladonia borealis</i>	5	c	x	x	x		x		x	x	x	x				x				x	x	x	x	x	x	x	x	x	x	x
<i>Cladonia botrytes</i>	2	c		x	x		x		x							x					x	x								
<i>Cladonia cariosa</i>	5	c	x		x		x	x	x	x	x	x	x			x			x		x	x	x	x	x	x	x		x	x
<i>Cladonia carneola</i>	5	c	x	x	x		x		x	x		x				x			x	x	x	x	x	x	x		x		x	x
<i>Cladonia cenotea</i>	5	c	x		x		x		x	x	x	x	x			x		x	x		x	x	x	x	x		x	x	x	
<i>Cladonia cervicornis</i> ssp. <i>cervicornis</i>	3	c		x			x	x	x				x		x				x											
<i>Cladonia chlorophaea</i>	5	c	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x		x	x	x	x	x	x	x	x	x	x
<i>Cladonia coccifera</i> s. lat.	?	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x				x	x		
<i>Cladonia coniocraea</i>	4	c			x		x		x	x		x			x	x					x	x	x	x			x			
<i>Cladonia cornuta</i>	5	c	x		x		x		x	x		x	x		x	x	x	x	x	x	x	x	x	x	x		x	x	x	
<i>Cladonia crispata</i> s. lat.	5	c	x	x	x		x		x	x		x	x		x	x	x	x	x		x	x	x	x	x		x		x	x
<i>Cladonia cryptochlorophaea</i>	2	c			x				x		x		x			x			x			x	x	x						
<i>Cladonia cyanipes</i>	5	s		x	x		x	x	x	x		x	x	x		x	x	x	x	x	x	x	x	x			x		x	

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Cladonia cyathomorpha</i>	1	s	x		x																							x		
<i>Cladonia dahliana</i>	2	s										x					x													x
<i>Cladonia decorticata</i>	3	c			x		x		x				x							x	x	x					x			
<i>Cladonia deformis</i>	4	c	x	x	x		x	x	x	x		x	x			x		x	x		x	x	x	x	x		x		x	
<i>Cladonia digitata</i>	3	c			x		x		x	x						x	x	x					x	x	x		x			
<i>Cladonia ecmocyna</i>	5	c	x	x	x		x		x	x		x	x			x	x		x	x	x	x	x	x	x	x	x	x	x	x
<i>Cladonia fimbriata</i>	5	c	x	x	x		x		x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x		x		x	x
<i>Cladonia floerkeana</i>	2	c	x		x							x															x			
<i>Cladonia furcata</i>	4	c		x	x		x			x	x		x				x				x	x	x							x
<i>Cladonia graciliformis</i>	1	c																			x									
<i>Cladonia gracilis s. lat.</i>	5	c	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Cladonia granulans</i>	1	s																				x		x						
<i>Cladonia grayi</i>	3	c					x		x			x				x					x	x	x				x			
<i>Cladonia kanewskii</i>	2	s														x					x	x	x							
<i>Cladonia libifera</i>	1	s										x										x						x		
<i>Cladonia luteoalba</i>	3	s	x	x	x		x				x	x										x					x	x	x	x
<i>Cladonia macilenta var. bacillaris</i>	4	c								x		x	x			x					x	x	x	x			x	x		
<i>Cladonia macroceras</i>	5	c	x		x		x		x	x	x	x	x	x	x	x	x		x		x		x				x		x	x
<i>Cladonia macrophylla</i>	5	c	x	x	x		x	x	x	x	x	x	x			x	x		x	x	x	x	x	x	x	x	x	x	x	
<i>Cladonia macrophyllodes</i>	5	c	x		x		x		x		x	x				x						x	x	x	x		x	x	x	x
<i>Cladonia maxima</i>	4	c	x	x	x		x		x			x				x			x	x	x	x	x	x	x		x		x	
<i>Cladonia merochlorophaea</i>	3	c	x		x				x			x										x	x	x	x		x			x

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Cladonia metacorallifera</i>	3	c		x	x		x					x							x		x	x	x				x			
<i>Cladonia mitis</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Cladonia nipponica</i>	2	s																	x		x	x								
<i>Cladonia ochrochlora</i>	3	c			x		x		x												x	x					x			
<i>Cladonia phyllophora</i>	5	c	x	x	x		x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x		x	x	x	x
<i>Cladonia pleurota</i>	5	c	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Cladonia pocillum</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x		x	x	x	x	x	x	x	x	x	x
<i>Cladonia pyxidata</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Cladonia rangiferina</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x		x	x
<i>Cladonia rangiformis</i>	1	c							x									x												x
<i>Cladonia rei</i>	2	s			x		x		x							x					x	x	x							
<i>Cladonia scabriuscula</i>	3	c			x					x									x	x	x	x	x				x			x
<i>Cladonia squamosa</i> s. lat.	5	c	x	x	x		x		x	x	x	x	x			x	x	x	x	x	x	x	x	x	x		x	x	x	x
<i>Cladonia stellaris</i>	4	c	x	x	x		x	x	x	x		x	x			x		x	x	x	x	x	x	x	x		x		x	
<i>Cladonia strepsilis</i>	1	c		x					x																		x			
<i>Cladonia stricta</i> s. lat.	5	c	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x
<i>Cladonia stygia</i>	5	c	x	x	x		x			x	x	x		x			x			x	x	x	x	x	x		x		x	
<i>Cladonia subcervicornis</i>	4	s					x	x		x		x			x	x	x		x			x	x	x	x	x	x		x	x
<i>Cladonia subfurcata</i>	4	c	x	x	x		x		x	x		x		x		x	x		x	x	x	x	x	x	x		x		x	
<i>Cladonia subulata</i>	4	c	x		x		x		x	x	x	x	x			x	x	x	x		x	x	x				x			x
<i>Cladonia sulphurina</i>	4	c		x	x		x		x	x		x	x		x	x		x	x		x	x	x	x	x		x		x	
<i>Cladonia symphy carpia</i>	3	c	x	x							x	x	x			x			x			x	x	x			x			x



Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Cladonia thomsonii</i>	2	s									x	x					x				x	x								
<i>Cladonia trassii</i>	4	c			x						x	x		x							x	x	x	x	x	x	x		x	x
<i>Cladonia turgida</i>	3	c	x	x	x				x					x					x		x	x					x		x	x
<i>Cladonia uliginosa</i>	1	c			x		x															x								
<i>Cladonia uncialis</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x
<i>Cladonia verticillata</i> s. lat.	5	c	x	x	x		x	x	x	x	x	x	x		x	x	x	x	x		x	x	x	x	x		x		x	x
<i>Cladonia wainioi</i>	2	s																			x	x	x							
<i>Clauzadea monticola</i>	2	c		x	x			x											x			x					x	x		
<i>Clauzadeana macula</i>	1	s			x								x			x								x						
<i>Cliostomum corrugatum</i>	1	r								x																				
<i>Clypeococcum bisporum</i> *													x								x									
<i>Clypeococcum grossum</i> *																											x			
<i>Coccocarpia erythroxyli</i>	1	c																	x		x	x								
<i>Collema auriforme</i>	1	c																	x											
<i>Collema bachmanianum</i>	3	c	x	x	x																x	x	x			x	x		x	x
<i>Collema callopismum</i>	1	r											x															x		
<i>Collema ceraniscum</i>	4	s	x	x		x	x	x			x	x	x			x					x	x	x	x		x	x	x	x	x
<i>Collema coccophorum</i>	1	r																										x		
<i>Collema crispum</i>	2	c			x							x							x			x	x							
<i>Collema cristatum</i>	3	c	x	x				x				x							x								x		x	
<i>Collema flaccidum</i>	3	c			x			x				x									x						x			x
<i>Collema furfuraceum</i>	1	c			x				x																					

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Collema fuscovirens</i>	3	c		x	x												x		x		x	x	x			x		x	x	x
<i>Collema glebulentum</i>	3	c		x	x			x	x												x	x	x	x	x		x	x		x
<i>Collema limosum</i>	1	c			x									x									x							
<i>Collema multipartitum</i>	1	s																				x								
<i>Collema occultatum</i> var. <i>occultatum</i>	1	c																									x			
<i>Collema polycarpon</i>	2	c		x	x							x					x				x	x								x
<i>Collema substellatum</i>	1	r																										x	x	
<i>Collema tenax</i>	4	c						x			x	x			x						x	x	x	x		x	x			x
<i>Collema undulatum</i> s. lat.	4	c		x	x								x			x	x		x		x	x	x	x		x	x	x		
<i>Collemopsidium cephalodiorum</i> *			x									x						x				x					x			
<i>Cornicularia normoërica</i>	1	c																												x
<i>Corticifraga fuckelii</i> *															x											x				
<i>Corticifraga peltigeræ</i> *						x	x		x			x	x		x															
<i>Corticifraga santessonii</i> *									x												x									
<i>Cryptothele granuliforme</i>	1	s			x																		x				x			
<i>Cyphelium inquinans</i>	2	c		x										x		x						x	x							
<i>Cyphelium tigillare</i>	2	c			x											x						x	x							
<i>Cystocoleus ebeneus</i>	3	c									x												x				x	x	x	x
<i>Dacampia engeliana</i> *						x		x				x																		
<i>Dacampia hookeri</i>	1	r		x							x	x				x	x		x				x			x	x	x		
<i>Dacampia rufescentis</i> *	1	r																								x				
<i>Dactylina arctica</i>	5	c	x				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Dactylina beringica</i>	4	c										x	x				x		x	x	x	x	x	x		x				
<i>Dactylina ramulosa</i>	5	c	x					x		x	x	x	x	x		x	x		x		x	x	x	x	x	x	x	x	x	
<i>Dactylospora aeruginosa*</i>																x														
<i>Dactylospora allantoidea*</i>																											x			
<i>Dactylospora amygdalariae*</i>			x	x				x	x			x				x	x					x								
<i>Dactylospora aspiciliicola*</i>																											x			
<i>Dactylospora athallina*</i>					x																									x
<i>Dactylospora attendenda*</i>												x						x	x											
<i>Dactylospora deminuta*</i>			x		x	x		x	x	x	x	x	x	x	x	x	x		x			x				x				
<i>Dactylospora glaucomarioides*</i>							x					x	x																	
<i>Dactylospora parasitica*</i>												x																		
<i>Dactylospora pertusariicola*</i>									x			x																		
<i>Dactylospora purpurascens*</i>			x	x													x		x								x			
<i>Dactylospora rinodinicola*</i>						x																					x			
<i>Dactylospora saxatilis*</i>												x																		
<i>Dactylospora urceolata*</i>					x																						x			
<i>Deichmannia verrucispora*</i>																											x			
<i>Dermatocarpon arnoldianum</i>	2	c																		x	x						x			
<i>Dermatocarpon deminuens</i>	1	c																									x			
<i>Dermatocarpon leptophyllum</i>	1	s		x																										
<i>Dermatocarpon luridum</i>	1	c			x																							x		
<i>Dermatocarpon lyngei</i>	1	r																									x			

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Dermatocarpon meiophyllizum</i>	1	s																									x	x		
<i>Dermatocarpon miniatum</i> s. lat.	3	c	x	x	x			x			x	x							x		x	x	x			x	x		x	x
<i>Dermatocarpon polyphyllizum</i>	1	s	x	x	x																									x
<i>Dermatocarpon rivulorum</i>	3	s	x																x			x	x				x		x	
<i>Dibaeis baeomyces</i>	4	c			x		x		x	x	x	x				x			x		x	x	x				x		x	x
<i>Didymellopsis collematum</i> *	1	r										x																		
<i>Dimelaena oreina</i>	3	c	x																			x	x	x	x	x	x	x	x	x
<i>Diploicia effigurata</i>	1	o			x																							x		
<i>Diploschistes gypsaceus</i>	1	c																									x			
<i>Diploschistes muscorum</i>	3	c			x							x				x	x		x			x	x	x		x	x	x	x	x
<i>Diploschistes scruposus</i>	4	c		x	x		x									x	x	x	x			x	x	x			x		x	x
<i>Diplotomma alboatrum</i>	4	c	x	x		x		x	x			x	x	x			x		x	x	x	x	x	x		x	x		x	x
<i>Diplotomma nivale</i>	1	s									x	x																		
<i>Echinodiscus kozhevnikovii</i> *							x																							
<i>Echinothecium reticulatum</i> *	2	s							x		x	x	x			x			x							x	x			
<i>Eiglera flavida</i>	3	s	x		x			x		x		x										x	x	x		x	x	x	x	
<i>Endocarpon pulvinatum</i>	1	s	x																								x	x		
<i>Endocarpon pusillum</i>	3	s											x			x			x				x				x	x		
<i>Endocarpon tortuosum</i>	1	s																					x	x						
<i>Endococcus nanellus</i> *					x					x					x															
<i>Endococcus perpusillus</i> *					x							x																		
<i>Endococcus propinquus</i> *				x	x	x			x			x				x											x			x

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Endococcus rugulosus</i> *			x			x						x							x								x	x		x
<i>Endococcus stigma</i> *									x																		x			
<i>Ephebe hispidula</i>	3	s		x	x																		x		x		x	x	x	x
<i>Ephebe lanata</i>	3	c		x	x																		x	x		x			x	
<i>Ephebe multispora</i>	1	r																									x			
<i>Ephebe perspinulosa</i>	1	s										x																		
<i>Epicladonia sandstedei</i> *												x	x									x								
<i>Epicladonia simplex</i> *																						x								
<i>Epicladonia stenospora</i> *			x								x	x																		
<i>Epigloea medioincrassata</i>	1	s																					x							
<i>Epilichen glauconigellus</i>	2	s			x							x	x														x	x		
<i>Epilichen scabrosus</i>	5	c	x	x	x	x		x		x	x	x	x			x	x		x			x	x	x		x	x		x	x
<i>Epilichen stellatus</i> *	1	s														x														
<i>Euopsis granatina</i>	3	s	x	x	x			x				x							x		x	x					x			
<i>Euopsis pulvinata</i>	4	c	x		x			x			x	x					x		x		x	x			x	x	x		x	x
<i>Evernia divaricata</i>	1	s																					x							
<i>Evernia mesomorpha</i>	3	c			x		x		x	x		x							x		x	x	x	x					x	
<i>Evernia perfragilis</i>	4	c						x		x		x	x	x	x	x	x	x	x		x	x	x	x		x				
<i>Evernia prunastri</i>	1	c						x																						
<i>Everniicola flexispora</i> *					x							x				x												x		
<i>Farnoldia dissipabilis</i>	1	r											x	x			x		x											
<i>Farnoldia hypocrita</i>	1	r	x					x											x			x							x	

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Farnoldia jurana	4	c	x	x	x		x	x				x					x		x	x		x	x	x	x		x			x
Farnoldia micropsis	2	s	x					x			x						x												x	
Fayodia striatula*																											x			
Flavocetraria cucullata	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Flavocetraria minuscula	1	s																	x											
Flavocetraria nivalis	5	c	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Frigidopyrenia bryospila	1	r																			x	x								
Frutidella caesioatra	3	c	x	x	x		x	x		x		x							x					x		x		x	x	
Fulgensia bracteata	4	c	x	x	x	x	x	x	x		x	x	x	x			x		x			x	x	x	x	x	x	x	x	
Fulgensia desertorum	1	r																								x	x			
Fulgensia fulgens	1	c																					x							
Fulgensia schistidii	1	r																											x	
Fuscidea circumflexa	1	s																	x											
Fuscidea cyathoides	1	s																									x			
Fuscidea gothoburgensis	1	s																									x			x
Fuscidea kochiana	1	c		x																										
Fuscidea mollis	3	s		x	x			x	x								x				x	x		x	x					
Fuscopannaria abscondita	1	o	x																											
Fuscopannaria ahlneri	1	r																									x			
Fuscopannaria globigera	1	o																					x							
Fuscopannaria praetermissa	5	c	x	x	x			x		x	x	x	x				x		x		x	x	x	x	x	x	x	x	x	x
Fuscopannaria viridescens	2	r									x	x	x				x		x		x	x								

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Geltingia associata</i> *						x						x															x			
<i>Glypholecia scabra</i>	1	s										x										x			x	x	x			
<i>Gowardia arctica</i>	3	o				x				x	x			x									x	x						
<i>Gowardia nigricans</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Graphium aphthosae</i> *					x	x							x												x	x				
<i>Gyalecta foveolaris</i>	5	c	x	x	x		x	x			x	x	x				x		x				x	x		x	x	x	x	x
<i>Gyalecta friesii</i>	1	s																									x			
<i>Gyalecta geoica</i>	3	s	x	x	x							x							x					x		x				
<i>Gyalecta jenensis</i>	1	c																					x			x				
<i>Gyalecta kukriensis</i>	1	r			x							x											x							
<i>Gyalecta peziza</i>	2	s		x	x			x			x	x													x	x		x		
<i>Gyalecta subclausa</i>	1	s	x																											
<i>Gyalecta truncigena</i>	1	s																									x			
<i>Gyalecta ulmi</i>	1	c																	x											
<i>Gyalidea diaphana</i>	1	r		x																							x			
<i>Gyalidea lecideopsis</i>	2	s																				x			x	x		x		
<i>Gyalidea rivularis</i>	1	s	x																											
<i>Gyalidea scutellaris</i>	1	r										x																		
<i>Gypsoplaca macrophylla</i>	1	r										x										x	x		x		x			
<i>Halecania alpivaga</i>	3	r	x					x							x				x		x		x	x		x	x			
<i>Halecania lecanorina</i>	1	c						x																						
<i>Heppia lutosa</i>	1	c																				x				x				

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
Hertelidea botryosa	2	c			x			x															x								
Homostegia piggotii*															x												x				
Hymenelia arctica	3	s	x	x				x		x						x		x	x								x	x		x	
Hymenelia cyanocarpa	2	s			x								x			x			x								x	x			
Hymenelia epulotica	4	c	x										x	x		x	x	x	x		x	x	x		x	x			x	x	
Hymenelia haematina	1	r	x																												
Hymenelia heteromorpha	4	c	x					x					x	x					x			x	x	x	x	x		x			
Hymenelia melanocarpa	2	s	x	x				x														x	x	x	x	x					
Hymenelia rhodopis	1	s	x		x			x				x									x										
Hymenobia aporea*																											x				
Hypocenomyce scalaris	2	c		x	x				x							x							x								
Hypogymnia austerodes	4	c	x		x			x	x			x	x	x					x	x	x	x	x	x		x	x	x			
Hypogymnia bitteri	4	c			x				x			x	x		x	x			x		x	x	x	x			x				
Hypogymnia fistulosa	1	s																	x												
Hypogymnia metaphysodes	1	s							x																						
Hypogymnia physodes	5	c	x	x	x	x	x	x	x	x		x	x			x			x	x	x	x	x	x	x	x	x	x	x	x	x
Hypogymnia subobscura	5	c	x				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
Hypogymnia tubulosa	1	c			x		x	x	x																		x				
Hypogymnia vittata	3	c		x	x		x		x	x		x	x			x			x	x	x	x	x	x	x						
Icmadophila ericetorum	4	c		x	x		x	x	x	x		x	x			x	x		x		x	x	x	x	x		x				
Illosporium carneum*							x	x				x															x				
Immersaria athroocarpa	2	c						x	x			x	x																	x	



Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Immersaria carbonoidea</i>	1	o																				x								
<i>Imshaugia aleurites</i>	3	c			x				x							x						x	x	x						
<i>Intralichen christiansenii*</i>								x				x	x						x								x	x		
<i>Intralichen lichenicola*</i>						x					x	x															x	x		
<i>Intralichen lichenum*</i>																											x	x		
<i>Ionaspis annularis</i>	1	r						x															x	x		x				
<i>Ionaspis ceracea</i>	1	r	x				x																							
<i>Ionaspis lacustris</i>	4	c	x	x	x	x		x			x	x							x			x	x	x	x		x	x		x
<i>Ionaspis lavata</i>	1	s																			x									
<i>Ionaspis oblecta</i>	1	c		x	x					x																				
<i>Ionaspis odora</i>	3	s	x	x	x			x											x								x	x		x
<i>Ionaspis suaveolens</i>	2	c																					x				x	x		
<i>Ionaspis ventosa</i>	1	r																									x	x		x
<i>Japewia tornoenensis</i>	5	s	x	x	x	x	x	x	x	x	x	x	x				x		x	x	x	x	x	x	x	x	x		x	x
<i>Kalaallia reactiva*</i>																													x	
<i>Karschia alpicolae*</i>																													x	
<i>Karsteniomyces tuberculosus*</i>	1	o																											x	
<i>Koerberiella wimmeriana</i>	1	s			x																									x
<i>Lasallia pensylvanica</i>	3	c							x			x				x	x	x				x	x	x			x			
<i>Lasallia pustulata</i>	1	s		x					x																					
<i>Lasiosphaeriopsis christiansenii*</i>																													x	
<i>Lasiosphaeriopsis pilophori*</i>			x																											

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Lasiosphaeriopsis stereocaulicola*</i>						x			x		x	x		x			x	x	x				x			x	x			x
<i>Lecanactis dilleniana</i>	1	s																	x								x			
<i>Lecania aipospila</i>	2	c	x	x	x														x										x	
<i>Lecania cyrtella</i>	1	c			x							x	x																	
<i>Lecania disceptans</i>	1	o																	x				x							
<i>Lecania erysibe</i>	2	c	x														x						x							
<i>Lecania expallescens</i>	1	o																	x											
<i>Lecania flavescens</i>	2	o						x															x			x	x	x		
<i>Lecania fuscella</i>	1	c																					x							
<i>Lecania nylanderiana</i>	1	s																	x										x	
<i>Lecania phaeosphaeroides</i>	1	o																	x											
<i>Lecania suavis</i>	1	s	x																											
<i>Lecania subfuscula</i>	3	s	x	x	x		x	x				x									x		x				x		x	
<i>Lecanographa rinodinae*</i>																	x													
<i>Lecanora actophila</i>	1	c	x	x																										
<i>Lecanora albellula</i>	1	s			x																		x	x						
<i>Lecanora albescens</i>	3	c		x			x	x				x															x	x	x	
<i>Lecanora aleutica</i>	1	s																		x	x									
<i>Lecanora allophana</i>	2	c			x			x	x			x		x									x	x						
<i>Lecanora anopta</i>	1	s										x															x			
<i>Lecanora argentata</i>	2	c		x															x		x	x			x					
<i>Lecanora argopholis</i>	4	c	x		x										x						x	x	x	x	x	x	x	x	x	

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Lecanora atosulphurea	4	s	x	x	x			x			x	x			x	x	x		x	x		x	x	x		x	x	x	x	
Lecanora bicincta	2	s			x			x	x				x			x	x		x											
Lecanora boligera	2	c		x	x							x															x		x	
Lecanora cadubriae	1	c			x																		x							
Lecanora caesiosora	1	s		x	x																									
Lecanora caesiosulphurea	1	o																	x			x								
Lecanora campestris	1	c		x		x																								
Lecanora carpinea	1	c								x																				
Lecanora cateilea	1	s							x																					
Lecanora cavicola	1	r										x															x	x		
Lecanora cenisia	3	c	x	x	x			x	x										x			x	x	x	x	x	x		x	
Lecanora chlarotera	1	c										x																		
Lecanora chloroleprosa	1	c																									x	x	x	
Lecanora chlorophaeodes	1	r			x																						x			
Lecanora circumborealis	4	c			x					x						x					x	x	x	x			x		x	x
Lecanora cladonioides	1	r																								x				
Lecanora congesta	1	o																								x			x	
Lecanora conizaeoides	1	c					x																							
Lecanora contigua	1	o																									x			
Lecanora contractula	3	s	x	x	x			x				x							x					x			x	x	x	x
Lecanora crenulata	4	c			x			x					x	x			x		x	x	x	x	x			x	x	x	x	
Lecanora crustacea	1	r							x			x																		

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Lecanora discoënsis	1	o																					x				x			
Lecanora dispersa	5	c		x	x			x				x	x	x		x	x		x	x	x	x	x	x	x	x	x	x	x	x
Lecanora dispersoareolata	1	s																									x			
Lecanora epibryon	5	c	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Lecanora expallens	1	c			x			x															x				x			
Lecanora expersa	1	r														x														
Lecanora frustulosa	3	s	x					x				x				x	x										x	x		x
Lecanora fugiens	1	s																									x			
Lecanora fuscescens	4	c		x	x					x						x			x				x				x	x	x	x
Lecanora gangaleoides	2	c																	x								x	x		x
Lecanora garovaglioii	1	s																	x											
Lecanora geophila	3	r									x	x					x					x	x	x		x	x	x	x	
Lecanora glaucoatrodes	1	r													x				x											
Lecanora griseofulva	1	o	x																											
Lecanora groenlandica	1	o																								x	x		x	
Lecanora hadacii	1	o	x																											
Lecanora hagenii s. lat.	5	c	x	x	x	x	x	x	x		x	x	x	x		x	x		x	x	x	x	x	x		x	x	x	x	x
Lecanora helicopsis	2	c			x																						x			x
Lecanora hypopta	1	c						x		x														x						
Lecanora impudens	1	c																					x							
Lecanora intricata	5	c	x	x	x			x	x	x	x		x	x		x	x		x	x	x	x	x	x	x	x	x	x	x	x
Lecanora invadens	1	c																					x	x						



Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Lecanora rugosella	1	c																				x								
Lecanora rupicola s. lat.	4	c	x	x	x								x			x			x		x	x	x	x	x	x				x
Lecanora salicicola	1	c																				x	x							
Lecanora saligna	2	c			x							x											x				x			
Lecanora salina	1	r			x																						x			
Lecanora sambuci	1	s																					x				x			
Lecanora scrobiculata	1	o	x																							x				
Lecanora semipallida	4	c	x																			x	x			x		x		
Lecanora septentrionalis	1	s			x								x						x											
Lecanora straminea	4	s	x	x	x							x							x	x	x		x				x		x	x
Lecanora subaurea	1	s		x																										
Lecanora subintricata	2	c			x																x		x	x						
Lecanora submellea	1	o										x																		
Lecanora subrugosa	1	c								x																				
Lecanora subsulphurea	1	r				x				x																				
Lecanora subtorrida	1	o						x																						x
Lecanora sulphurea	1	c		x						x		x										x								
Lecanora surrecta	1	o																									x			
Lecanora swartzii	2	s	x	x																							x	x		
Lecanora symmicta	4	c		x	x		x	x	x	x			x			x			x	x	x	x	x	x			x			
Lecanora testaceolivida	1	r																	x											
Lecanora torrida	2	s	x									x							x		x	x	x	x		x	x			

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Lecanora umbrina	2	c			x					x	x	x		x														x		
Lecanora umbrosa	1	s		x	x																									
Lecanora varia	3	c						x				x	x	x					x					x			x			
Lecanora vegae	1	s										x										x								
Lecanora vicaria	1	r			x																						x			
Lecanora xylophila	1	s																		x	x									
Lecanora zosteriae	3	s			x												x		x			x	x	x		x				
Lecidea alpestris	2	s	x	x	x		x	x		x							x		x						x		x		x	
Lecidea antiloga	1	s										x															x		x	
Lecidea atrobrunnea	5	c	x	x	x	x		x				x			x	x			x		x	x	x	x	x	x	x	x	x	x
Lecidea atomarginata	2	r	x					x				x			x									x		x	x	x	x	
Lecidea auriculata s. lat.	4	c	x	x	x			x			x	x			x	x	x		x			x	x	x	x	x	x	x	x	x
Lecidea betulicola	1	c																	x											
Lecidea brachyspora	1	r		x				x				x								x	x	x				x	x			x
Lecidea cacuminum	1	o													x															
Lecidea commaculans	1	s	x		x									x									x							
Lecidea conferenda	2	s																					x				x	x		
Lecidea confluens	4	c	x	x	x			x			x	x			x	x	x		x			x	x	x	x	x		x	x	x
Lecidea convallium	1	o																									x			
Lecidea cupreorufa	1	o																	x											
Lecidea delicatula	1	o																	x											
Lecidea diapensiae	3	s		x	x														x						x		x		x	

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Lecidea diducens	3	s		x	x			x		x		x							x		x	x		x		x	x			
Lecidea discreta	1	o						x																						
Lecidea ecrustacea	2	c	x		x			x											x		x			x	x					
Lecidea ementiens	3	s	x					x			x	x							x	x			x	x		x	x		x	
Lecidea epiphaea	2	c	x	x	x							x							x										x	
Lecidea erythrophaea	2	c			x			x															x						x	
Lecidea fuscoatra	2	c		x	x				x								x													
Lecidea gorodkovii	2	r										x	x	x																
Lecidea haerjedalica	1	c																				x					x	x		
Lecidea humboldtii	1	o																											x	
Lecidea hypocrita	3	c																			x	x	x	x		x	x		x	
Lecidea ileiformis	1	r	x																								x			
Lecidea inops					x																									
Lecidea invadens	1	o						x																						
Lecidea ivalensis	1	s			x																									
Lecidea kajanita	1	c	x		x										x															
Lecidea karaënsis	1	r											x																	
Lecidea karawajevii	1	r						x					x																	
Lecidea laboriosa	2	s																					x			x	x		x	
Lecidea lapicida s. lat.	5	c	x	x		x		x	x		x	x	x	x		x	x		x	x	x	x	x	x	x	x	x	x	x	x
Lecidea leucothallina	3	s		x	x														x								x	x	x	
Lecidea lithophila	4	c		x	x			x				x									x		x		x	x	x			x



Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Lecidea lithophiloides	2	r																									x			
Lecidea luteoatra	1	s		x																										x
Lecidea lygotropa	1	o																	x											
Lecidea lyngei	1	r						x																						
Lecidea magnussonii	1	o																								x	x			
Lecidea minutissima	1	o	x																											
Lecidea miseriae	1	o	x																											
Lecidea molybdochroa	2	s																									x	x		
Lecidea nylanderii	1	c																									x		x	
Lecidea occidentalis	1	o																							x	x				
Lecidea olivascens	1	s																												x
Lecidea pachydermatica	1	o																									x			
Lecidea paratropoides	1	s																											x	
Lecidea phaeopelidna	1	r																					x							
Lecidea phaeops	1	c			x						x																			
Lecidea plana	4	c	x	x	x		x	x		x						x			x		x	x	x				x	x	x	
Lecidea plebeja	2	c																				x	x							
Lecidea polytrichina	1	r	x																											
Lecidea polytrichinella	1	r	x																											
Lecidea praenubila	5	c	x	x	x			x				x				x	x		x		x	x	x	x	x	x	x	x	x	x
Lecidea promiscens	2	s		x				x								x	x		x		x						x		x	
Lecidea pullata	1	c		x	x																									

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Lecidea ramulosa	5	c	x				x	x		x	x	x			x		x		x			x	x	x	x	x	x	x	x	
Lecidea reducens	1	o						x											x											
Lecidea rhagadiella	1	r	x																											
Lecidea septentrionalis	1	r	x	x															x											
Lecidea silacea	2	c	x	x	x				x							x											x	x	x	
Lecidea speirococca	1	o																	x											
Lecidea sphaerella	1	s			x							x											x							
Lecidea steineri	2	c	x																			x	x							
Lecidea subcandida	1	r										x										x	x							
Lecidea subdepressa	1	o																	x											
Lecidea subfuscescens	1	r			x							x			x															
Lecidea subrhagadiella	1	o																					x			x				
Lecidea swartzioidea	1	c	x	x	x			x																					x	
Lecidea symphyicarpea	1	o	x					x																						
Lecidea syncarpa	1	r	x																											
Lecidea tajmyrensis	1	o										x																		
Lecidea tenuissima	1	o																							x			x		
Lecidea terricola	1	o						x																						
Lecidea tessellata	5	c	x	x	x	x		x					x	x	x	x	x				x	x	x	x	x	x	x	x	x	
Lecidea theodori	1	o																				x	x				x			
Lecidea tolstooi	1	s										x																		
Lecidea turficola	1	s											x																	

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Lecidea umbonata	4	c	x										x		x		x					x	x	x		x	x		x	
Lecidea uralensis	1	o										x																		
Lecidea verruca	1	s	x																											
Lecidella aemulans	1	r	x																											
Lecidella alaiensis	1	s																										x		
Lecidella altensis	1	r													x															
Lecidella anomaloides	2	s			x	x		x											x											
Lecidella asema	1	c																									x			
Lecidella bullata	3	s	x			x				x		x							x		x				x	x	x	x		
Lecidella carpathica	3	c		x			x	x				x							x	x	x	x	x				x	x	x	
Lecidella effugiens	2	c	x	x	x							x							x								x			
Lecidella elaeochroma	4	c	x		x			x	x			x	x		x	x			x		x	x	x				x	x	x	
Lecidella euphorea	5	c	x		x		x	x	x	x	x	x	x	x	x	x			x	x	x	x	x	x			x	x	x	x
Lecidella flavosorediata	1	c																					x							
Lecidella laureri	1	s						x																						
Lecidella meiococca	1	c		x																										x
Lecidella patavina	3	c	x					x				x	x									x	x	x		x		x	x	
Lecidella pulveracea	1	c																					x							
Lecidella scabra	1	c			x																									
Lecidella stigmathea	5	c	x	x	x	x		x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x
Lecidella subcongrua	1	c			x														x											x
Lecidella wulfenii	5	c	x	x	x		x	x	x	x	x	x	x	x		x	x		x		x	x	x	x	x	x	x	x	x	x

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Lecidoma demissum	4	c	x	x	x		x	x	x	x	x	x				x	x		x	x		x	x	x	x		x	x	x	
Leciophysma finmarkicum	4	r	x	x			x	x	x	x	x	x				x	x		x		x	x	x	x	x	x	x		x	x
Leciophysma furfurascens	1	r																									x			
Lempholemma cladodes	1	s																												x
Lempholemma intricatum	1	r			x																						x			
Lempholemma isidioides	1	c	x																											
Lempholemma polyanthes	1	c		x	x																						x			x
Lempholemma radiatum	1	s			x																						x			
Lempholemma triptodes	1	c																	x											
Lepraria alpina var. alpina	?	c			x						x	x															x		x	
Lepraria alpina var. zeorinica	1	r																									x		x	
Lepraria atlantica	2	s		x																							x	x	x	
Lepraria borealis	3	c		x								x															x	x	x	x
Lepraria cacuminum	1	c		x							x																			
Lepraria caesiella	1	c																									x		x	
Lepraria caesioalba	1	c			x							x															x	x	x	
Lepraria eburnea	1	c																									x	x	x	
Lepraria elobata	1	c																											x	
Lepraria gelida	1	o	x			x					x	x					x						x				x	x	x	
Lepraria incana	1	c			x											x														
Lepraria jackii	1	c																									x		x	
Lepraria lobificans	2	c		x	x																						x	x		

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Lepraria membranacea	2	c			x			x							x	x											x			
Lepraria neglecta	5	c	x		x	x		x	x		x	x	x	x		x	x		x				x				x	x	x	x
Lepraria nivalis	1	c																									x	x		
Lepraria rigidula	1	c			x							x																		
Lepraria vouauxii	3	c	x	x							x	x					x						x			x	x	x	x	
Leprocaulon albicans	1	c														x	x										x			
Leprocaulon gracilescens	?	s																									x		x	
Leprocaulon subalbicans	1	r																									x	x	x	
Leptochidium albociliatum	1	c			x																						x			
Leptochidium crenatum	1	s																						x			x			
Leptogium arcticum	3	o						x			x	x					x				x	x	x	x		x				
Leptogium byssinum	1	s	x																											
Leptogium crenatum	1	w										x							x											
Leptogium gelatinosum	3	c	x	x	x			x			x	x		x		x	x		x			x	x	x			x			x
Leptogium imbricatum	1	c		x			x												x											
Leptogium lichenoides	5	c	x	x	x			x			x	x	x	x			x				x	x	x	x		x	x	x	x	x
Leptogium palmatum	1	c																			x							x		
Leptogium parculum	1	o																			x									
Leptogium plicatile	1	c		x																										
Leptogium saturninum	4	c	x	x	x			x	x	x	x	x	x			x	x	x	x		x	x	x	x			x		x	
Leptogium subtile	3	s	x		x						x								x				x	x		x	x			
Leptogium tenuissimum	3	c	x	x	x			x	x			x	x				x		x		x	x	x				x	x		

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
Leptogium teretiusculum	1	c			x																										x
Leptogium triptophylloides	1	r																	x												
Leptosphaerulina peltigerae*																															x
Lettauia cladoniicola*							x																								
Lichenochora constrictella*											x		x						x												
Lichenochora mediterraneae*												x																			
Lichenochora weillii*						x																									
Lichenocodium erodens*						x																									
Lichenocodium lecanorae*					x	x			x			x			x	x			x							x	x				
Lichenocodium pyxidatae*						x					x		x				x					x									
Lichenocodium usneae*						x	x									x															x
Lichenodiplis lecanorae*								x																							x
Lichenodiplis lichenicola*												x																			
Lichenomphalia alpina	1	s	x		x							x					x													x	x
Lichenomphalia hudsoniana	3	c	x	x	x		x			x		x							x		x	x	x	x					x	x	
Lichenomphalia umbellifera	2	c	x	x	x		x															x	x	x	x						
Lichenopeltella cladoniarum*					x		x																								
Lichenopuccinia poeltii*												x																			x
Lichenosticta alcicornaria*							x																								
Lichenostigma rugosa*					x											x		x													x
Lichenostigma semiimmersum*												x	x																		
Lichina confinis	1	c		x	x																										

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI				
<i>Lithographa tesserata</i>	1	s			x																x										x			
<i>Lobaria amplissima</i>	1	c																				x												
<i>Lobaria hallii</i>	2	c																			x	x									x			
<i>Lobaria kurokawae</i>	1	s																				x												
<i>Lobaria linita</i>	4	c	x	x	x		x	x	x	x	x	x	x	x			x	x	x	x	x	x	x	x	x									
<i>Lobaria pseudopulmonaria</i>	1	c																			x	x												
<i>Lobaria scrobiculata</i>	3	c		x	x		x		x										x		x	x			x						x			
<i>Lobothallia alphoplaca</i>	3	c	x								x								x			x		x	x					x	x			
<i>Lobothallia melanaspis</i>	3	c	x		x			x			x	x							x	x		x	x	x						x	x	x		
<i>Lobothallia radiosa</i>	1	s										x	x																		x			
<i>Lopadium coralloideum</i>	4	c	x	x	x			x	x	x	x	x					x		x		x	x	x	x	x					x	x	x		
<i>Lopadium pezizoideum</i>	5	c	x	x	x			x	x	x	x	x	x	x		x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	
<i>Marchandiomyces corallinus*</i>																																x		
<i>Masonhalea richardsonii</i>	3	c											x		x	x	x	x	x		x	x	x	x										
<i>Massalongia carnosa</i>	3	c	x	x	x																	x	x	x	x	x	x	x	x	x	x	x	x	
<i>Megalaria jemtlandica</i>	2	s						x		x	x	x		x					x	x		x	x			x	x							
<i>Megaspora verrucosa</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x		x	x		x		x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Melanelia agnata</i>	2	r		x	x						x															x	x						x	
<i>Melanelia commixta</i>	5	c		x	x				x		x	x		x		x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
<i>Melanelia disjuncta</i>	4	c	x	x	x			x	x			x	x			x					x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Melanelia hepatizon</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Melanelia panniformis</i>	4	c			x				x	x		x	x		x	x	x		x			x	x	x	x							x		

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Melanelia soredata	3	c	x	x	x			x				x				x			x			x	x		x		x	x		
Melanelia stygia	5	c	x	x	x	x		x	x		x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x
Melanelia tominii	3	s							x			x	x		x	x	x					x	x				x		x	
Melanelixia fuliginosa	2	c																				x	x							x
Melanelixia subaurifera	1	c																					x							
Melanohalea elegantula	4	c							x							x						x	x	x	x	x	x		x	
Melanohalea exasperata	2	c			x		x																							x
Melanohalea exasperatula	3	c		x					x							x			x			x	x	x		x	x		x	
Melanohalea infumata	5	c	x	x	x	x		x	x		x	x	x			x	x		x			x	x	x	x	x	x	x	x	x
Melanohalea olivacea	3	c			x		x	x	x	x			x					x	x			x	x				x			
Melanohalea olivaceoides	1	s																				x	x							
Melanohalea septentrionalis	3	c			x		x	x	x	x		x	x			x			x		x	x	x	x			x			
Melanolecia transitoria	1	s	x																								x			
Merismatium coccisporum*												x							x								x			
Merismatium decolorans*													x																	
Merismatium heterophractum*					x				x		x	x				x		x	x											
Merismatium nigrtellum*					x		x		x		x	x				x	x	x	x								x			
Merismatium peregrinum*									x																					
Micarea assimilata	5	c	x	x	x		x	x		x	x	x	x	x	x	x	x		x	x		x	x	x	x	x	x	x	x	x
Micarea bauschiana										x																				
Micarea crassipes	3	c		x	x			x		x										x		x	x			x	x			x
Micarea denigrata	2	c			x																		x				x			



Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Micarea elachista	1	c								x																				
Micarea incrassata	5	c	x	x	x		x	x		x	x						x		x			x	x	x	x	x	x	x	x	x
Micarea lignaria	2	c			x		x		x				x			x	x		x			x								
Micarea melaena	4	c			x					x		x	x		x	x			x		x	x	x	x			x			
Micarea misella	1	s							x																					
Micarea nitschkeana	1	s																									x			
Micarea peliocarpa	1	c			x							x							x											
Micarea sylvicola	1	s		x	x				x	x																				
Micarea ternaria	1	r			x		x															x	x							
Micarea turfosa	2	r					x												x			x					x			
Miriqidica atrofulva	2	r	x		x									x								x					x			
Miriqidica complanata	1	s	x		x			x	x																					
Miriqidica deusta	2	c			x							x				x			x		x						x	x		
Miriqidica garovaglii	3	c	x		x			x	x		x	x	x	x	x	x							x	x			x	x	x	x
Miriqidica griseoatra	3	s	x		x			x	x										x						x		x	x		
Miriqidica instrata	1	s																				x								
Miriqidica leucophaea	3	c	x		x			x			x						x		x		x	x				x	x		x	
Miriqidica lulensis	4	c	x	x	x	x		x			x	x				x			x		x		x	x	x	x	x	x	x	x
Miriqidica nigroleprosa	2	s	x		x				x			x							x								x	x	x	
Miriqidica obnubila	1	s			x			x																			x			
Miriqidica paanaensis	1	r	x																											
Miriqidica pulvinata	1	s																			x		x			x				

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Muellerella erratica*												x	x				x		x											
Muellerella hospitans*												x																		
Muellerella lichenicola*					x	x						x					x		x								x	x		
Muellerella pygmaea s.lat.*					x	x					x	x			x				x			x				x	x	x		
Muellerella ventosicola*					x				x		x				x	x														
Mycobilimbia berengeriana	5	c	x	x	x	x	x	x	x	x		x	x				x		x	x	x	x	x	x	x		x		x	x
Mycobilimbia carnealbida	2	c	x	x	x		x			x		x										x								
Mycobilimbia fissuriseda	1	r		x																										
Mycobilimbia hypnorum	5	c	x	x	x	x			x	x		x	x				x		x	x	x	x	x	x	x		x	x	x	x
Mycobilimbia pilularis	2	c											x				x				x	x	x				x			
Mycobilimbia tetramera	3	c		x	x		x					x							x			x	x				x	x		x
Mycoblastus affinis	3	c			x						x	x						x	x		x	x			x		x			
Mycoblastus alpinus	4	c	x		x					x		x	x		x	x			x	x		x	x	x			x		x	
Mycoblastus sanguinarius	4	c		x	x				x		x	x				x	x		x	x	x	x	x	x	x		x			
Mycocalicium subtile	2	c		x	x											x						x	x				x		x	
Myochroidea rufofusca	2	c		x				x																			x		x	
Myxobilimbia accedens	1	c					x																							
Myxobilimbia lobulata	5	c	x				x	x	x	x	x	x			x				x		x	x	x	x	x	x	x	x	x	x
Myxobilimbia microcarpa	2	c	x		x		x	x	x			x										x					x			
Myxobilimbia sabuletorum	3	c	x		x	x					x		x									x			x		x	x		
Nephroma arcticum	5	c	x	x	x		x	x	x	x		x	x	x		x	x	x	x	x	x	x	x	x	x		x		x	x
Nephroma bellum	3	c	x	x	x		x		x													x	x			x		x		

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Nephroma expallidum</i>	5	c	x	x	x		x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x			x	x
<i>Nephroma helveticum</i>	1	c																				x								
<i>Nephroma isidiosum</i>	1	s							x													x					x			
<i>Nephroma laevigatum</i>	1	c							x																					
<i>Nephroma parile</i>	4	c	x	x	x		x		x			x		x					x		x	x	x				x		x	x
<i>Nephroma resupinatum</i>	2	c	x	x			x	x	x			x										x					x			
<i>Niesslia cladoniicola*</i>												x																		
<i>Nodobryoria subdivergens</i>	1	r																									x			
<i>Normandina pulchella</i>	1	c																				x					x			
<i>Ochrolechia androgyna</i>	5	c	x	x	x		x		x	x	x	x	x		x	x	x				x	x	x	x	x	x	x	x		x
<i>Ochrolechia bryophaga</i>	2	r								x		x									x			x						
<i>Ochrolechia frigida</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Ochrolechia grimmiae</i>	4	r	x	x			x	x	x	x	x	x	x	x	x		x					x	x	x	x		x		x	x
<i>Ochrolechia gyalectina</i>	3	s									x	x		x							x	x	x		x	x				
<i>Ochrolechia inaequatula</i>	5	c	x	x	x		x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x		x	
<i>Ochrolechia pallescens</i>	2	s		x																							x		x	
<i>Ochrolechia parella</i>	1	c								x		x															x			x
<i>Ochrolechia subplicans</i>	3	s														x	x	x	x	x	x	x				x				
<i>Ochrolechia tartarea</i>	3	c		x	x			x	x				x	x				x	x	x							x			x
<i>Ochrolechia upsaliensis</i>	5	c		x	x		x	x	x	x	x	x	x			x	x	x	x		x	x	x	x	x	x	x	x	x	x
<i>Ochrolechia xanthostoma</i>	1	s		x																										x
<i>Odontotrema santessonii*</i>							x					x							x											

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
<i>Odontotrema thamnoliae</i> *					x						x	x						x	x												
<i>Opegrapha gyrocarpa</i>	1	c		x	x														x												
<i>Opegrapha stereocaulicola</i> *																											x				
<i>Ophioparma lapponica</i>	4	c	x		x				x			x				x			x	x	x	x	x	x	x	x	x	x	x		
<i>Ophioparma ventosa</i>	4	c		x	x		x	x	x	x		x	x			x	x	x				x					x		x	x	
<i>Orphniospora moriopsis</i>	5	c	x	x	x			x	x		x	x		x	x	x			x			x	x	x	x	x	x	x	x		
<i>Pannaria conoplea</i>	1	s		x																		x									
<i>Pannaria hookeri</i>	4	s	x	x				x		x	x	x		x			x		x				x	x	x	x	x	x	x	x	
<i>Pannaria rubiginosa</i>	1	c							x																						
<i>Paranectria alstrupii</i> *																											x				
<i>Parmelia fraudans</i>	3	c			x			x	x			x	x			x	x					x	x	x		x	x				
<i>Parmelia omphalodes</i> s. lat.	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Parmelia saxatilis</i>	5	c	x	x	x	x	x	x	x		x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Parmelia skultii</i>	1	r	x																									x			
<i>Parmelia squarrosa</i>	1	c																						x							
<i>Parmelia sulcata</i>	5	c	x	x	x		x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Parmeliella triptophylla</i>	3	s	x	x	x			x			x	x											x	x			x		x	x	
<i>Parmeliopsis ambigua</i>	4	c	x	x	x		x	x	x	x		x	x			x			x		x	x	x	x			x		x		
<i>Parmeliopsis hyperopta</i>	3	c		x	x		x	x	x	x		x				x						x	x	x	x			x			
<i>Peccania coralloides</i>	1	s																										x			
<i>Peltigera aphthosa</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Peltigera britannica</i>	1	c		x																x							x	x		x	

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
<i>Peltigera canina</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			x	x	
<i>Peltigera collina</i>	2	c	x		x					x										x			x				x			x	
<i>Peltigera degenii</i>	1	c			x		x																								
<i>Peltigera didactyla</i> s.lat.	5	c	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x			x	x	x	x	x	x	x	x	x
<i>Peltigera elisabethae</i>	1	c					x					x										x	x								
<i>Peltigera extenuata</i>	5	c		x	x																									x	
<i>Peltigera frippii</i>	2	s	x	x	x				x		x	x											x								
<i>Peltigera horizontalis</i>	2	c					x		x	x		x				x						x	x								
<i>Peltigera hymenina</i>	2	c	x	x								x																		x	
<i>Peltigera kristinssonii</i>	4	c	x	x	x							x										x	x	x		x	x		x	x	
<i>Peltigera latiloba</i>	2			x																		x									
<i>Peltigera lepidophora</i>	4	c	x	x	x			x	x	x		x	x			x	x		x			x	x	x	x		x	x	x	x	
<i>Peltigera leucophlebia</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Peltigera lyngei</i>	1	r	x								x	x																			
<i>Peltigera malacea</i>	5	c	x	x	x		x	x	x	x	x	x	x	x		x		x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Peltigera membranacea</i>	4	c	x	x	x		x			x									x	x	x	x	x	x			x			x	
<i>Peltigera monticola</i>	?	s		x																										x	
<i>Peltigera neckeri</i>	4	c	x	x	x				x	x	x	x		x								x	x				x		x	x	
<i>Peltigera neopolydactyla</i>	2	c	x	x	x		x		x													x					x				
<i>Peltigera occidentalis</i>	4	c	x	x	x					x						x										x					
<i>Peltigera polydactylon</i>	5	c	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	
<i>Peltigera ponojensis</i>	3	c	x	x	x																	x	x	x	x	x	x		x	x	

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
<i>Peltigera praetextata</i>	4	c	x	x	x		x			x		x	x				x		x		x	x					x			x	
<i>Peltigera retifoveata</i>	1	c					x																								
<i>Peltigera rufescens</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
<i>Peltigera scabrosa</i>	5	c	x	x	x		x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
<i>Peltigera scabrosella</i>	2	s	x	x	x		x				x																				
<i>Peltigera venosa</i>	5	c	x	x	x		x	x	x	x	x	x	x			x	x	x	x	x		x	x	x	x	x	x	x	x	x	
<i>Pertusaria alaskensis</i>	2	s																	x	x	x					x					
<i>Pertusaria albescens</i>	2	c			x								x						x												
<i>Pertusaria alpina</i>	1	c								x					x						x										
<i>Pertusaria aspergilla</i>	1	c														x											x				
<i>Pertusaria atra</i>	1	r																					x								
<i>Pertusaria brachydactyla</i>	1	r																	x												
<i>Pertusaria bryontha</i>	5	s	x	x	x		x	x	x	x	x	x	x			x	x		x	x	x	x	x	x	x	x	x		x		
<i>Pertusaria carneopallida</i>	2	s		x	x					x		x							x		x						x				
<i>Pertusaria chiodectonoides</i>	1	s																										x			
<i>Pertusaria corallina</i>	1	c																									x			x	
<i>Pertusaria coriacea</i>	5	c	x	x	x			x		x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
<i>Pertusaria cribellata</i>	2	r						x				x	x		x			x	x												
<i>Pertusaria dactylina</i>	5	c	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
<i>Pertusaria excludens</i>	2	s										x	x			x			x			x	x								
<i>Pertusaria geminipara</i>	4	s	x	x	x		x		x	x	x	x	x	x		x	x	x	x		x	x	x			x	x	x	x		
<i>Pertusaria globulata</i>	1	r																	x												

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
<i>Pertusaria glomerata</i>	4	s	x			x	x			x	x	x	x			x	x	x	x	x	x	x	x	x		x	x	x			
<i>Pertusaria lactea</i>	4	c				x	x	x	x	x		x	x	x	x	x			x								x			x	
<i>Pertusaria leptophora</i>	1	r																	x												
<i>Pertusaria multipuncta</i>	1	c																	x												
<i>Pertusaria octomela</i>	3	s				x	x			x	x	x	x								x	x	x		x	x	x		x		
<i>Pertusaria oculata</i>	5	c	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
<i>Pertusaria panyrga</i>	5	c	x	x	x	x	x	x		x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x			
<i>Pertusaria pertusa</i>	3	c								x		x	x			x		x	x												
<i>Pertusaria pruinifera</i>	1	o																								x					
<i>Pertusaria pseudocorallina</i>	1	c																	x												
<i>Pertusaria saximontana</i>	1	s														x			x			x									
<i>Pertusaria sommerfeltii</i>	3	s								x									x		x	x	x	x			x		x		
<i>Pertusaria subdactylina</i>	3	s								x	x	x				x					x	x	x								
<i>Pertusaria subobducens</i>	3	s									x	x							x	x	x	x	x	x	x	x					
<i>Pertusaria trachydactyla</i>	1	r										x							x												
<i>Pertusaria trochiscea</i>	4	s			x					x	x	x	x			x			x			x	x	x		x	x				
<i>Pezizella epithallina*</i>												x																			
<i>Phacopsis fusca*</i>									x						x																
<i>Phacopsis huuskonenii*</i>																x															
<i>Phacopsis oxyspora*</i>					x				x										x								x				
<i>Phaeocalicium compressulum</i>	1	s										x							x								x				
<i>Phaeocalicium praecedens</i>	1	s										x											x								

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Phaeophyscia ciliata</i>	2	c			x											x	x		x			x								
<i>Phaeophyscia constipata</i>	2	s	x	x	x					x		x			x	x			x			x	x	x		x	x	x	x	x
<i>Phaeophyscia decolor</i>	1	s																				x								
<i>Phaeophyscia endococcina</i>	3	c	x	x	x			x				x										x	x	x	x		x		x	x
<i>Phaeophyscia hispidula</i>	1	c							x																					
<i>Phaeophyscia kairamoi</i>	2	s	x									x										x	x				x	x	x	
<i>Phaeophyscia nigricans</i>	1	c	x									x					x										x			
<i>Phaeophyscia orbicularis</i>	1	c		x	x																						x			x
<i>Phaeophyscia sciastra</i>	5	c	x	x	x			x	x			x				x			x		x	x	x	x	x	x	x	x	x	x
<i>Phaeopyxis punctum*</i>															x															
<i>Phaeorrhiza nimbosa</i>	4	c	x	x				x		x	x	x	x	x		x	x	x	x			x	x	x	x	x	x	x	x	x
<i>Phaeorrhiza sareptana</i>	2	s									x					x						x	x				x	x	x	
<i>Phaeospora arctica*</i>											x																			
<i>Phaeospora rimosicola*</i>																			x								x			
<i>Phaeosporobolus alpinus*</i>			x		x	x	x		x		x	x			x				x							x	x	x		
<i>Phaeosporobolus usneae*</i>												x															x			
<i>Phoma cytospora*</i>												x																		
<i>Phoma epiphyscia*</i>																											x			
<i>Phoma grumantiana*</i>			x																											
<i>Phylliscum demangeonii</i>	2	s			x														x						x		x	x		
<i>Physcia adscendens</i>	2	c		x									x				x		x			x	x	x			x			x
<i>Physcia aipolia</i>	3	c	x	x	x		x		x	x		x			x	x						x	x	x			x			



Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
<i>Physcia albinea</i>	1	c						x				x							x												
<i>Physcia caesia</i>	5	c	x	x	x	x		x	x		x	x	x			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
<i>Physcia dubia</i>	5	c	x	x	x	x		x	x	x	x	x	x	x		x	x		x	x	x	x	x	x	x	x	x	x	x	x	
<i>Physcia magnussonii</i>	1	s														x											x	x			
<i>Physcia phaea</i>	2	c			x				x		x					x	x		x			x	x	x			x		x		
<i>Physcia stellaris</i>	2	c		x	x				x	x		x	x						x			x									
<i>Physcia tenella</i> var. <i>marina</i>	3	c		x																											
<i>Physconia deterosa</i>	1	c		x	x				x			x						x		x			x				x				
<i>Physconia distorta</i>	1	c							x												x										
<i>Physconia enteroxantha</i>	1	c		x	x																						x				
<i>Physconia muscigena</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Physconia perisidiosa</i>	1	c		x	x							x										x								x	
<i>Physconia rossica</i>	1	s									x																				
<i>Pilophorus cereolus</i>	2	s	x		x				x										x		x							x			
<i>Pilophorus dovrensis</i>	2	s	x								x	x										x	x				x		x	x	
<i>Pilophorus robustus</i>	3	s	x				x		x		x	x	x	x		x	x	x	x	x	x	x					x				
<i>Pilophorus vegae</i>	1	s																	x		x										
<i>Placidiopsis cervinula</i>	1	r										x																			
<i>Placidiopsis pseudocinerea</i>	3	r	x		x						x	x										x					x	x	x		
<i>Placidium lachneum</i>	4	c	x	x	x			x				x							x		x	x	x			x	x	x	x	x	
<i>Placidium michelii</i>	1	r																									x				
<i>Placidium norvegicum</i>	1	r	x																								x				

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Placidium rufescens	1	c										x																		
Placidium squamulosum	2	c			x						x																x	x		
Placopsis cribellans	1	s																	x		x									
Placopsis gelida	5	c	x	x				x			x	x				x			x	x	x	x		x	x	x	x		x	x
Placopsis lambii	3	c		x															x		x	x		x	x	x	x			x
Placynthiella icmalea	3	c	x	x	x					x					x												x	x		
Placynthiella oligotropha	3	c																			x	x		x				x	x	
Placynthiella uliginosa	4	c	x	x	x					x		x				x	x		x			x	x	x			x	x	x	
Placynthium asperellum	5	c	x	x	x			x				x					x		x		x	x	x	x	x	x	x	x	x	x
Placynthium flabellosum	1	s		x	x																									x
Placynthium nigrum	5	c	x	x	x			x			x	x	x			x			x		x	x	x	x	x	x	x	x		x
Placynthium pannariellum	1	c	x	x																							x		x	
Placynthium rosulans	?	r	x	x	x																									x
Placynthium subradiatum	2	c			x											x													x	
Placynthium tantaleum	1	s	x																								x			
Platismatia glauca	3	c		x	x		x		x												x	x	x	x	x		x			
Platismatia lacunosa	1	s				x		x				x								x										
Plectocarpon linitae*					x		x		x			x			x				x											
Pleopsidium chlorophanum	3	c	x	x	x			x								x	x		x			x	x			x	x	x	x	
Pleopsidium flavum	1	s																							x		x		x	
Polyblastia albida	2	c	x																				x							
Polyblastia bryophila	5	c	x	x			x	x				x	x	x	x				x			x	x	x		x	x	x	x	

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
<i>Polyblastia cruenta</i>	3	c	x	x																			x			x	x			x	
<i>Polyblastia cupularis</i>	3	s	x					x						x	x								x	x	x	x	x	x	x		
<i>Polyblastia epomphala</i>	1	r	x																												
<i>Polyblastia forana</i>	1	r						x																							
<i>Polyblastia friesii</i>	1	r						x																							
<i>Polyblastia fuscoargillacea</i>	2	s										x	x	x			x		x									x			
<i>Polyblastia gothica</i>	2	s	x								x	x	x				x						x								
<i>Polyblastia helvetica</i>	2	r	x																								x	x			
<i>Polyblastia hyperborea</i>	4	s	x		x		x	x				x		x					x		x	x	x	x	x	x	x		x	x	
<i>Polyblastia intermedia</i>	2	r	x					x					x	x															x		
<i>Polyblastia interversa</i>	1	r																	x												
<i>Polyblastia melaspora</i>	2	c	x	x	x			x			x	x															x				
<i>Polyblastia muralis</i>	1	s															x														
<i>Polyblastia peminosa</i>	1	r																										x			
<i>Polyblastia pernigrata</i>	1	r											x						x												
<i>Polyblastia quartzina</i>	1	r						x																							
<i>Polyblastia schisticola</i>	1	r																											x		
<i>Polyblastia sendtneri</i>	4	s	x		x	x		x			x	x	x	x			x		x				x	x		x	x	x	x		
<i>Polyblastia septentrionalis</i>	2	o	x					x							x								x			x					
<i>Polyblastia sepulta</i>	1	s	x																												
<i>Polyblastia terrestris</i>	5	r	x			x		x		x	x	x	x		x		x		x		x	x	x				x	x	x	x	x
<i>Polyblastia theleodes</i>	5	c	x			x		x			x	x	x	x			x		x		x	x	x	x		x	x	x	x		

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Polyblastia verrucosa</i>	1	s						x					x																	
<i>Polychidium muscicola</i>	5	c	x	x	x			x			x	x					x		x		x	x	x	x			x		x	x
<i>Polycoccum bryonthae*</i>													x			x											x			
<i>Polycoccum laursenii*</i>																						x								
<i>Polycoccum pulvinatum*</i>																											x			
<i>Polycoccum squamarioides*</i>																											x			
<i>Polycoccum tryptelioides*</i>					x				x		x	x							x							x	x			
<i>Polycoccum vermicularium*</i>																											x			x
<i>Polysporina ferruginea</i>	1	s		x																							x	x		
<i>Polysporina lapponica</i>	1	c																	x								x	x		
<i>Polysporina simplex</i>	4	c	x					x					x	x			x		x		x		x	x		x	x	x	x	
<i>Polysporina subfuscescens</i>	1	c																									x			
<i>Polysporina urceolata</i>	1	c	x																				x							
<i>Porina mammillosa</i>	2	s	x		x						x	x															x		x	
<i>Porocyphus coccodes</i>	1	c			x																x									x
<i>Porocyphus groenlandicus</i>	1	o																									x			
<i>Porpidia cinereoatra</i>	3	c	x	x	x				x			x			x				x								x			x
<i>Porpidia contraponenda</i>	1	c			x																							x		
<i>Porpidia crustulata</i>	4	c	x		x	x			x	x	x	x			x				x			x		x			x	x		x
<i>Porpidia flavicunda</i>	5	c	x	x	x			x			x	x	x			x			x		x	x	x	x	x		x	x	x	x
<i>Porpidia flavocaerulescens</i>	5	c			x			x	x		x		x		x				x	x	x	x	x	x	x	x	x	x	x	
<i>Porpidia flavocruenta</i>	1	s																				x								x

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
Porpidia grisea	1	s																				x									
Porpidia lowiana	1	s			x																				x						
Porpidia macrocarpa	5	c	x	x	x	x		x			x	x			x					x		x	x			x	x	x	x	x	
Porpidia melinodes	4	c	x	x	x	x		x	x			x	x	x	x	x			x								x		x	x	
Porpidia ochrolemma	1	c	x																					x							
Porpidia rugosa	2	c	x		x																	x				x					
Porpidia soledizodes	2	c																						x						x	
Porpidia speirea	4	c	x	x	x			x				x			x		x		x			x	x		x	x	x	x		x	
Porpidia superba	3	c	x		x		x	x	x		x	x							x			x	x								
Porpidia thomsonii	3	c			x		x		x				x							x	x	x	x	x	x		x		x		
Porpidia trullisata	1	s	x																												
Porpidia tuberculosa	3	c	x		x				x										x			x					x			x	
Porpidia zeoroides	1	c											x						x		x				x						
Pronectria erythrinella*																												x			
Pronectria lecideicola			x																												
Pronectria robergei*							x																					x			
Pronectria solorinae*						x					x															x					
Pronectria tibellii*																						x									
Pronectria walkerorum*			x								x		x				x						x	x							
Protoblastenia calva	3	c	x				x	x											x			x	x	x	x	x	x	x			
Protoblastenia cyclospora	1	s																	x												
Protoblastenia incrustans	2	c	x					x											x										x		

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Protoblastenia rupestris</i>	5	c	x	x				x					x	x			x				x	x	x	x	x	x	x	x	x	
<i>Protoblastenia siebenhaariana</i>	3	s	x	x	x			x				x															x	x		x
<i>Protoblastenia terricola</i>	4	s	x					x			x	x		x			x		x			x	x			x	x	x	x	
<i>Protomicarea limosa</i>	5	c	x		x			x	x	x					x	x	x		x		x	x	x	x	x	x	x		x	x
<i>Protopannaria pezizoides</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x
<i>Protoparmelia badia</i>	5	c	x	x	x			x	x	x	x	x	x		x	x	x		x		x	x	x	x	x	x	x	x	x	x
<i>Protoparmelia leproloma</i>	1	s		x																										
<i>Protoparmelia nephaea</i>	1	s														x			x											
<i>Protoparmeliopsis achariana</i>	1	s						x																						
<i>Protoparmeliopsis muralis</i>	4	c	x	x	x												x		x	x	x	x				x	x	x	x	x
<i>Protothelenella croceae*</i>					x																						x			
<i>Protothelenella leucothelia</i>	2	s			x							x							x								x			
<i>Protothelenella santessonii*</i>			x					x			x	x					x		x		x							x		
<i>Protothelenella sphinctrinoidella</i>	2	c	x		x						x	x							x								x			
<i>Protothelenella sphinctrinoides</i>	3	s	x	x	x						x	x		x			x		x		x						x			x
<i>Pseudephebe minuscula</i>	4	c	x	x	x	x		x	x		x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x
<i>Pseudephebe pubescens</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Pseudosagedia aenea</i>	1	c									x																			
<i>Pseudosagedia chlorotica</i>	1	s																	x								x			
<i>Pseudosagedia guentheri</i>	1	c																									x			
<i>Psilolechia leprosa</i>	1	c																									x			
<i>Psilolechia lucida</i>	1	c	x		x																	x								

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Psora cerebriformis</i>	1	s																										x		
<i>Psora decipiens</i>	5	c	x	x				x			x	x	x	x		x	x		x		x	x	x	x	x	x	x	x	x	x
<i>Psora globifera</i>	1	c																									x			
<i>Psora himalayana</i>	3	c											x			x	x		x		x	x	x							
<i>Psora luridella</i>	1	r																						x		x				
<i>Psora nipponica</i>	1	s																	x		x									
<i>Psora rubiformis</i>	5	s	x	x				x			x	x				x	x		x			x	x	x	x	x	x	x	x	x
<i>Psora tenuifolia</i>	1	r																				x				x				
<i>Psora tuckermanii</i>	1	s																				x								
<i>Psora vallesiaca</i>	1	s																					x				x	x		
<i>Psorinia conglomerata</i>	1	r										x							x				x				x			
<i>Psoroma hypnorum</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Psoroma paleaceum</i>	1	r																												x
<i>Psoroma tenue</i> var. boreale	4	c	x	x	x																x	x			x		x	x	x	x
<i>Psorotichia schaereri</i>	1	s																									x			
<i>Psorula rufonigra</i>	1	c																					x				x			
<i>Punctelia stictica</i>	1	r																									x			
<i>Pycnora leucococca</i>	1	r																									x			
<i>Pycnothelia papillaria</i>	1	c							x										x	x	x								x	
<i>Pyrenidium actinellum</i> *						x						x				x														
<i>Pyrenidium hyalosporum</i> *																											x			
<i>Pyrenocollema sublitorale</i>	1	c			x																						x		x	

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI		
<i>Pyrenopsis furfurea</i>	1	r																					x				x		x			
<i>Pyrenopsis grumulifera</i>	1	s			x																x						x					
<i>Pyrenopsis macrospora</i>	1	o						x																								
<i>Pyrenula convexa</i>	1	c						x																								
<i>Pyrrhospora cinnabarina</i>	1	c		x	x																						x					
<i>Raciborskiomyces peltigericola*</i>					x		x					x															x					
<i>Racodium rupestre</i>	1	c																									x					
<i>Ramalina almquistii</i>	3	c										x	x			x	x	x	x	x	x	x	x									
<i>Ramalina capitata</i>	1	c										x				x	x		x													
<i>Ramalina dilacerata</i>	2	c			x		x		x	x		x							x				x									
<i>Ramalina geniculata</i>	1	c																		x												
<i>Ramalina intermedia</i>	1	c																			x		x									
<i>Ramalina obtusata</i>	1	s																					x									
<i>Ramalina pollinaria</i>	2	c			x				x						x				x				x									
<i>Ramalina polymorpha</i>	1	s		x	x																x											
<i>Ramalina roesleri</i>	2	s			x		x		x							x			x				x	x	x							
<i>Ramalina scoparia</i>	1	s																	x	x	x											
<i>Ramalina siliquosa</i>	1	c		x																												
<i>Ramalina subfarinacea</i>	1	c		x	x																x											x
<i>Ramalina thrausta</i>	1	c						x																								
<i>Refractohilum galligenum*</i>																											x					
<i>Refractohilum peltigeriae*</i>																											x					



Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Rhagadostoma lichenicola*					x		x				x	x							x								x			x
Rhexophiale rhexoblephara	3	c	x	x	x			x		x	x	x					x		x			x	x		x		x		x	
Rhizocarpon alaxensis	1	o																				x								
Rhizocarpon albidum	1	o						x																						
Rhizocarpon albopunctatum	1	o																	x											
Rhizocarpon alpicola	3	c		x	x			x	x			x		x		x	x		x				x							x
Rhizocarpon amphibium	1	r										x															x			
Rhizocarpon anaperum	1	r																					x							
Rhizocarpon anseris	2	o						x													x				x	x		x		
Rhizocarpon arctogenum	1	o																									x	x		
Rhizocarpon atroflavescens	2	r	x	x	x			x									x											x		
Rhizocarpon badioatrum	4	c	x	x	x			x	x		x				x	x	x		x			x	x	x	x	x	x	x	x	x
Rhizocarpon bolanderi	1	s																									x		x	
Rhizocarpon caeruleoalbum	1	r	x																											
Rhizocarpon chioneum	4	c	x	x				x			x		x				x		x		x	x	x	x		x				
Rhizocarpon cinereoflavescens	1	o						x																						
Rhizocarpon cinereonigrum	1	r						x																			x			
Rhizocarpon cinereovirens	2	c	x							x	x		x														x			
Rhizocarpon cleptophilum	1	o																										x		
Rhizocarpon concentricum	2	c																				x	x		x		x			
Rhizocarpon copelandii	5	c	x	x	x			x			x	x	x						x	x		x	x	x		x	x	x	x	x
Rhizocarpon destructans*																											x			

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
Rhizocarpon dispersum	1	o	x																												
Rhizocarpon disporum	4	c				x		x			x	x	x		x	x	x		x			x		x		x	x	x	x	x	
Rhizocarpon distinctum	2	c	x		x			x															x		x	x		x	x		
Rhizocarpon eupetraeoides	4	c	x		x			x			x	x	x		x	x	x		x	x	x	x	x	x	x		x				
Rhizocarpon eupetraeum	3	c	x		x	x		x	x		x	x	x				x		x		x	x	x	x	x		x				
Rhizocarpon expallescens	3	s	x		x			x				x												x			x			x	
Rhizocarpon ferax	3	c	x	x	x						x		x		x	x	x						x		x		x	x	x		
Rhizocarpon formosum	1	r											x																		
Rhizocarpon frigidum	1	s			x			x			x	x							x												
Rhizocarpon geminatum	5	c	x	x	x			x	x										x	x	x	x	x	x	x	x	x	x	x	x	
Rhizocarpon geographicum s. lat.	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Rhizocarpon glaucescens	1	r	x											x																	
Rhizocarpon grande	5	c	x	x	x	x		x				x	x		x	x	x		x	x		x	x	x	x	x	x	x	x		
Rhizocarpon groenlandicum	1	o																									x				
Rhizocarpon hochstetteri	5	c	x	x	x			x	x	x		x	x						x	x		x	x		x	x	x		x	x	
Rhizocarpon inarense	4	c	x	x	x			x			x					x	x		x	x		x	x	x	x		x	x	x		
Rhizocarpon intermediellum	3	c	x									x										x	x	x			x	x	x		
Rhizocarpon jemtlandicum	3	c		x		x		x			x	x					x						x	x	x	x	x	x	x		
Rhizocarpon lavatum	2	c	x	x	x			x																			x			x	
Rhizocarpon lecanorinum	1	c			x	x		x		x	x	x					x					x									
Rhizocarpon leucopsephum	1	r																	x												
Rhizocarpon macrosporum	2	c	x								x												x				x		x		

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Rhizocarpon mahreri	1	o	x																											
Rhizocarpon microsporium	1	o																								x	x			
Rhizocarpon narssaqense*																											x			
Rhizocarpon norvegicum	2	s	x											x		x							x			x		x	x	
Rhizocarpon obscuratum s. lat.	3	c	x		x			x			x	x	x						x				x	x			x		x	x
Rhizocarpon oederi	1	c	x		x			x																						
Rhizocarpon oportense	1	s									x		x																	
Rhizocarpon parvum	1	r																						x		x	x	x		
Rhizocarpon petraeum	3	c		x				x	x				x						x	x							x			
Rhizocarpon polycarpum	3	c	x	x	x			x		x		x	x				x		x			x	x	x			x			x
Rhizocarpon praebadium	1	r																	x							x	x	x		
Rhizocarpon pusillum	3	s	x						x					x			x					x	x	x		x	x	x	x	
Rhizocarpon reductum	1	c			x																									x
Rhizocarpon ridescens	1	r														x			x											
Rhizocarpon rittokense	3	s	x		x			x			x	x	x		x		x		x		x	x		x	x	x	x	x	x	x
Rhizocarpon roridulum	1	s	x																x											
Rhizocarpon saanaense	2	s	x								x	x				x	x													
Rhizocarpon semotulum	1	r																	x											
Rhizocarpon simillimum	1	r									x																			x
Rhizocarpon subareolatum	1	o																									x			
Rhizocarpon subgeminatum	1	r			x			x	x																		x			
Rhizocarpon submodestum	1	r			x																						x			

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Rhizocarpon superficiale	4	c	x					x			x	x	x	x		x			x		x	x	x	x	x	x	x	x	x	x
Rhizocarpon umbilicatum	3	s	x	x				x					x		x							x	x	x		x				
Rhizocarpon verrucosum	1	o						x																						
Rhizocarpon viridiatrum	2	s				x					x													x		x	x	x		
Rhizoplaca chrysoleuca	5	c				x		x		x		x	x			x	x	x	x	x	x	x	x		x					x
Rhizoplaca melanophthalma	5	c	x			x					x					x	x		x			x	x	x	x	x	x	x	x	x
Rhizoplaca peltata	3	c						x			x		x	x	x	x		x				x								
Rhymbocarpus makarovae*																				x										
Rhymbocarpus neglectus*					x			x			x	x								x										
Rhymbocarpus stereocaulorum*												x																		
Rhymbocarpus stereocaulorum*										x	x	x		x			x										x			
Rimularia furvella	2	c			x																						x	x	x	
Rimularia gyrizans	1	s																									x			
Rimularia impavida	3	c	x		x			x													x		x	x			x		x	
Rimularia insularis	2	c	x																								x		x	
Rimularia limborina	1	s							x																					
Rimularia psephota	1	r	x					x																						
Rinodina archaea	5	c	x	x	x					x		x	x				x		x		x	x	x	x	x	x	x	x	x	
Rinodina arnoldii	2	s	x					x																			x			
Rinodina balanina	2	r	x	x	x			x											x								x			x
Rinodina bischoffii	4	c	x					x				x	x	x			x					x	x	x		x	x		x	
Rinodina calcarea	1	s															x		x											

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Rinodina calcigena	4	s	x	x				x	x				x								x	x	x	x		x	x	x	x	
Rinodina castanomela	1	r																									x			
Rinodina confragosa	1	c										x																		
Rinodina conradii	2	s	x	x																							x		x	
Rinodina consocians	1	r										x																		
Rinodina egedeana*																											x	x		
Rinodina endophragmia	2	s		x																			x				x	x		
Rinodina exigua	2	c						x		x		x	x						x											
Rinodina exiguella	1	r										x																		
Rinodina gennarii	2	c		x	x		x																							x
Rinodina granulans	1	s																					x				x			
Rinodina hyperborea	1	w										x																		
Rinodina interpolata	1	s																					x							x
Rinodina jenisejensis	1	r										x																		
Rinodina laevigata	2	s			x			x	x													x								x
Rinodina melanconia	1	o																	x											
Rinodina metaboliza	1	s										x											x							
Rinodina milvina	3	s	x		x			x															x	x	x		x			
Rinodina mniaraea s. lat.	5	c	x	x	x	x	x	x	x		x	x	x			x	x		x			x	x	x	x	x	x	x	x	x
Rinodina ochracea	1	o																									x			
Rinodina olivaceobrunnea	3	c	x	x	x	x		x			x	x				x			x				x				x	x	x	x
Rinodina orcularia	1	r																										x		

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
Rinodina parasitica	1	s		x																										x	
Rinodina rinodinoides	2	s		x				x																						x	
Rinodina roscida	5	c	x	x		x	x	x			x	x	x	x		x	x	x	x		x	x	x	x	x	x	x	x	x	x	
Rinodina septentrionalis	2	s			x					x		x							x			x	x								
Rinodina sibirica	1	r										x																			
Rinodina sophodes	2	c			x				x	x		x				x			x											x	
Rinodina teichophila	1	s										x																			
Rinodina tephraeaspis	1	c	x	x																											
Rinodina terrestris	2	r																			x		x							x	
Rinodina tschuctschorum	1	o																	x												
Rinodina turfacea	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Rinodinella controversa	1	s												x																	
Romjularia lurida	2	c	x									x	x										x								
Ropalospora lugubris	3	c		x	x				x			x	x						x			x								x	
Roselliniella cladoniae*																			x												
Roselliniella microthelia*	1	s								x																					
Roselliniopsis gelidaria*																x															x
Roselliniopsis ventosa*	1	r															x														x
Roselliniula frustulosae*																															x
Sagediopsis aspicilliae*									x																						
Sagediopsis barbara*																															x
Sagediopsis campsteriana*					x							x		x				x													x

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Sagediopsis pertusariicola*											x	x	x				x													
Sagiolechia protuberans	3	s	x												x								x			x	x	x		
Santessoniella arctophila	3	s	x	x	x		x	x				x					x		x					x			x			x
Sarcogyne algoviae	1	r	x	x																										
Sarcogyne clavus	1	c																									x	x	x	
Sarcogyne distinguenda	1	r											x																	
Sarcogyne privigna	2	s	x								x						x											x		
Sarcogyne regularis	3	c						x				x									x	x	x	x			x	x	x	
Sarcogyne rugosa	1	o																									x			
Sarcosagium campestre	1	r																			x									
Schadonia alpina	1	r																									x			
Schadonia fecunda	3	s	x								x	x	x				x		x			x	x				x		x	x
Schaereria cinereorufa	3	s									x	x					x		x			x					x			
Schaereria fuscocinerea	4	c	x	x	x			x			x							x	x	x	x	x			x	x	x	x	x	x
Schaereria parasemella	1	r										x										x					x			
Sclerococcum gelidarum*																			x											
Sclerococcum simplex*																											x			
Sclerococcum sphaerale*																											x			x
Scoliciosporum intrusum	1	r	x																x											
Scoliciosporum umbrinum	2	c						x				x	x		x												x			x
Scutula cladoniicola*																											x			
Scutula miliaris*					x													x	x											





Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Sphaerellothecium parmeliae*					x							x																		
Sphaerellothecium phaeorrhizae*													x			x														
Sphaerellothecium propinquellum*												x							x											
Sphaerellothecium soechtingii*												x						x												
Sphaerellothecium stereocaulorum*													x																	
Sphaerophorus fragilis	5	c	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Sphaerophorus globosus	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Sphinctrina turbinata	1	c							x												x									
Spilonema revertens	2	c																				x			x		x		x	
Spirographa fuisporella*					x																									
Sporastatia polyspora	4	s	x	x	x			x			x	x	x				x		x				x	x	x	x	x	x	x	x
Sporastatia tenuirimata	1	o	x																											
Sporastatia testudinea	5	c	x	x	x	x		x	x		x	x	x	x		x	x	x	x		x	x	x	x	x	x	x	x	x	x
Squamarina lentigera	1	c																				x			x		x			
Squamarina poeltii	1	o	x					x																	x					
Staurothele arctica	1	o																							x	x				x
Staurothele areolata	3	c	x		x																	x	x		x	x	x	x	x	x
Staurothele diffractella	1	s																	x											
Staurothele diffusilis	1	s																	x											
Staurothele discedens	1	r																				x	x					x		
Staurothele drummondii	3	c						x											x		x	x	x	x	x	x		x		x
Staurothele elenkinii	1	s																					x		x					

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
Staurothele fissa	3	c			x			x									x					x	x	x	x		x	x	x	x	
Staurothele fuscocuprea	2	c	x	x	x																						x	x	x		
Staurothele guestphalica	1	s						x																							
Staurothele hymenogonia	3	c						x					x	x			x		x												
Staurothele rupifraga	1	c																					x								
Staurothele subareolata	1	r																	x												
Staurothele turgidella	1	r																	x												
Steinia geophana	1	s										x										x					x				
Stereocaulon alpestre	2	c			x	x	x					x					x		x			x									
Stereocaulon alpinum	5	c	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Stereocaulon apocalypticum	2	s										x							x		x	x									
Stereocaulon arcticum	4	c	x		x	x		x			x	x					x		x	x			x	x	x	x	x			x	
Stereocaulon arenarium	4	c	x		x					x	x	x					x		x	x	x		x	x	x	x	x	x	x	x	
Stereocaulon botryosum	5	c	x	x	x	x	x	x	x		x	x	x			x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
Stereocaulon capitellatum	3	s	x				x			x		x	x						x								x			x	
Stereocaulon condensatum	4	c	x	x	x		x		x			x			x			x	x				x	x	x	x	x	x			
Stereocaulon coniophyllum	1	s																						x							
Stereocaulon cumulatum	4	c	x		x				x			x	x									x	x	x		x	x		x		
Stereocaulon dactylophyllum	2	c					x		x				x	x					x	x		x			x						
Stereocaulon depreaultii	1	s																	x												
Stereocaulon depressum	2	c	x		x	x					x	x					x						x				x	x			
Stereocaulon glareosum	5	c	x	x	x		x		x	x	x	x	x	x		x	x		x		x	x	x	x	x	x	x	x	x	x	x

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
<i>Stereocaulon grande</i>	3	c	x	x	x		x		x	x		x								x	x	x		x			x				
<i>Stereocaulon groenlandicum</i>	3	s				x					x	x	x				x		x		x				x	x	x				
<i>Stereocaulon incrustatum</i>	3	s								x		x			x	x			x	x	x	x	x				x	x	x		
<i>Stereocaulon intermedium</i>	1	c																	x	x	x										
<i>Stereocaulon leprocephalum</i>	1	s														x			x							x					
<i>Stereocaulon leucophaeopsis</i>	1	s																									x			x	
<i>Stereocaulon nanodes</i>	1	c							x																		x				
<i>Stereocaulon paschale</i>	5	c	x	x	x	x	x	x	x	x		x	x	x		x	x	x	x	x	x	x	x	x	x	x	x		x	x	
<i>Stereocaulon pulvinatum</i>	1	s																	x												
<i>Stereocaulon rivulorum</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Stereocaulon saviczii</i>	1	r																			x	x									
<i>Stereocaulon saxatile</i>	2	c			x															x		x		x	x						
<i>Stereocaulon sibiricum</i>	1	s										x																			
<i>Stereocaulon spathuliferum</i>	2	c		x	x		x												x		x						x			x	
<i>Stereocaulon sterile</i>	1	r																	x												
<i>Stereocaulon subcoralloides</i>	3	c			x				x	x		x				x			x	x	x	x					x				
<i>Stereocaulon symphycheilum</i>	2	s			x				x										x		x	x	x	x							
<i>Stereocaulon tomentosum</i>	4	c		x	x		x	x	x			x	x	x	x				x	x	x	x	x	x			x			x	
<i>Stereocaulon tornense</i>	1	c																												x	
<i>Stereocaulon uliginosum</i>	1	r																									x			x	
<i>Stereocaulon vesuvianum</i>	5	c	x	x	x	x		x	x			x			x	x			x	x	x		x		x		x	x	x	x	
<i>Stereocaulon wrightii</i>	1	s														x		x	x												

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Sticta arctica</i>	3	s								x	x	x	x	x		x	x		x		x	x	x	x						
<i>Sticta sylvatica</i>	1	c																									x			
<i>Sticta wrightii</i>	1	c							x																					
<i>Stigmidium aggregatum*</i>												x																		
<i>Stigmidium beringicum*</i>																		x												
<i>Stigmidium cerinae*</i>												x			x															
<i>Stigmidium collematis*</i>																	x													
<i>Stigmidium congestum*</i>									x																					
<i>Stigmidium conspurcans*</i>						x		x				x			x	x			x								x			
<i>Stigmidium croceae*</i>											x															x				
<i>Stigmidium ephebes*</i>																											x			
<i>Stigmidium frigidum*</i>						x						x		x			x									x				
<i>Stigmidium gyrophorarum*</i>												x																		
<i>Stigmidium gyrophorarum*</i>												x																		
<i>Stigmidium hafellneri*</i>	1	r											x																	
<i>Stigmidium leprariae*</i>					x																									
<i>Stigmidium leucophlebiae*</i>											x																			
<i>Stigmidium marinum*</i>																											x			
<i>Stigmidium microcarpum*</i>									x			x	x														x			
<i>Stigmidium mycobilimbiae*</i>											x	x										x								
<i>Stigmidium peltideae*</i>			x			x						x			x				x	x							x			
<i>Stigmidium pseudopeltideae*</i>												x																		

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Stigmatidium pumilum</i> *									x																					
<i>Stigmatidium schaeferi</i> *												x	x			x							x			x				
<i>Stigmatidium solorinarium</i> *												x							x											
<i>Stigmatidium stereocaulorum</i> *						x					x						x													
<i>Stigmatidium stygnospila</i> *												x															x			
<i>Stigmatidium superpositum</i> *												x																		
<i>Stigmatidium tabacinae</i> *													x														x			
<i>Strangospora moriformis</i>	1	s			x																		x							
<i>Strigula sychnogonioides</i>	1	r	x																											
<i>Synalissa symphorea</i>	1	s																	x											
<i>Syzygospora bachmannii</i> *					x		x																						x	
<i>Taeniolella beschiana</i> *			x			x						x					x					x	x							
<i>Taeniolella christiansenii</i> *																		x								x	x			
<i>Taeniolella delicata</i> *																												x		
<i>Taeniolella pertusaricola</i> *												x			x													x		
<i>Taeniolella rolfii</i> *					x		x	x			x	x	x																	
<i>Taeniolella strictae</i> *																													x	
<i>Tephromela atra</i>	5	c	x	x	x			x	x			x	x				x		x	x	x	x	x	x	x	x	x	x	x	x
<i>Tetramelas pulverulentus</i>	3	c	x	x			x				x	x		x			x						x	x		x	x	x		x
<i>Thallinocarpon pulvinatum</i>	1	o																										x		
<i>Thamnogalla crombiei</i> *																	x						x							x
<i>Thamnoia vermicularis</i> subsp. <i>subuliformis</i>	5	c	x	x	x	x	x	x	x	x	x	x	x		x	x		x	x	x	x	x	x	x	x	x	x	x	x	x

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI				
<i>Thamnotia vermicularis</i> subsp. <i>vermicularis</i>	4	c			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x								
<i>Thelenella aeruginosa</i>	1	r																	x															
<i>Thelenella pertusariella</i>	1	s			x				x																									
<i>Thelidium aeneovinosum</i>	2	c			x				x													x					x							
<i>Thelidium antonellianum</i>	1	r	x																															
<i>Thelidium cataractarum</i>	1	r	x						x																									
<i>Thelidium decipiens</i>	2	c							x								x						x											
<i>Thelidium microsporum</i>	1	o							x														x			x								
<i>Thelidium minimum</i>	1	c																					x											
<i>Thelidium minutulum</i>	2	c																				x	x	x										
<i>Thelidium olivaceum</i>	1	s														x																		
<i>Thelidium papulare</i>	2	s				x			x				x									x	x				x		x					
<i>Thelidium pertusurum</i>	1	r																	x															
<i>Thelidium pyrenophorum</i>	3	s	x						x					x								x	x			x	x							
<i>Thelidium transilvanicum</i>	1	c																					x											
<i>Thelidium umbrosum</i>	1	r							x																				x					
<i>Thelidium velutinum</i>	1	s																					x											
<i>Thelignya lignyota</i>	1	s	x	x	x																								x					
<i>Thelocarpon epibolum</i>	3	c	x	x	x							x	x													x	x		x					
<i>Thelocarpon impressellum</i>	1	s																																
<i>Thelocarpon laureri</i>	1	c																																
<i>Thelocarpon lichenicola</i>																																		

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Thelocarpon sphaerosporum</i>	1	s																					x							
<i>Thelocarpon tichomirovii</i>	1	r											x																	
<i>Thelomma ocellatum</i>	1	s																					x							
<i>Thelopsis melathelia</i>	2	r										x		x					x											
<i>Thrombium epigaeum</i>	3	c				x						x										x	x				x	x		x
<i>Toninia alutacea</i>	2	s		x																		x	x			x				
<i>Toninia arctica</i>	3	s											x									x	x		x	x	x	x	x	
<i>Toninia aromatica</i>	3	c	x	x				x				x											x			x	x		x	
<i>Toninia athallina</i>	2	s						x		x													x					x	x	
<i>Toninia candida</i>	2	s						x								x											x		x	
<i>Toninia cinereovirens</i>	1	c							x																					
<i>Toninia nordlandica</i>	1	s																									x			
<i>Toninia opuntioides</i>	1	r																	x				x							
<i>Toninia philippea</i>	2	s						x																			x	x	x	
<i>Toninia physaroides</i>	1	c																									x			
<i>Toninia rosulata</i>	2	s		x																							x	x	x	
<i>Toninia ruginosa</i>	1	c																									x			
<i>Toninia sedifolia</i>	5	c	x	x				x	x				x	x			x		x		x	x	x	x	x	x	x	x	x	
<i>Toninia squalescens</i>	2	s						x											x								x			x
<i>Toninia squalida</i>	4	c	x	x				x			x	x					x		x				x		x		x		x	x
<i>Toninia subaromatica</i>	1	r											x																	
<i>Toninia tristis</i> s. lat.	3	c																			x	x	x	x		x	x	x	x	

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Toninia verrucarioides</i>	3	c	x																				x				x	x		x
<i>Trapelia coarctata</i>	2	c			x														x			x				x				x
<i>Trapeliopsis flexuosa</i>	1	c																					x							
<i>Trapeliopsis granulosa</i>	4	c		x	x		x		x	x						x				x		x	x	x			x		x	
<i>Tremolecia atrata</i>	5	c	x	x	x	x		x	x	x	x	x	x	x		x	x		x	x	x	x	x	x	x	x	x	x	x	x
<i>Trimmatothele perquisita</i>	1	r																									x			
<i>Tuckermanopsis americana</i>	1	c																					x							
<i>Tuckermanopsis chlorophylla</i>	3	c		x	x		x	x	x	x										x		x		x			x			
<i>Tuckermanopsis ciliaris</i>	1	c							x			x							x					x						
<i>Tuckermanopsis inermis</i>	3	s	x			x	x			x	x	x	x	x	x	x			x		x	x	x							
<i>Tuckermanopsis subalpina</i>	1	s																	x											
<i>Umbilicaria angulata</i>	1	c																			x	x								
<i>Umbilicaria aprina</i>	2	s	x								x			x		x								x	x		x			x
<i>Umbilicaria arctica</i>	5	c	x	x	x	x	x	x	x	x		x	x			x	x		x	x	x	x	x	x	x	x	x	x	x	x
<i>Umbilicaria caroliniana</i>	2	c											x								x	x	x							
<i>Umbilicaria cinereorufescens</i>	2	c						x								x						x					x			
<i>Umbilicaria crustulosa</i>	1	s	x						x										x											
<i>Umbilicaria cylindrica</i> s. lat.	5	c	x	x	x	x		x	x		x	x		x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x
<i>Umbilicaria decussata</i>	5	c	x	x	x	x		x	x	x	x	x		x	x	x	x		x			x	x	x	x	x	x	x	x	x
<i>Umbilicaria deusta</i>	5	c		x	x		x	x	x		x	x			x	x	x	x	x		x	x	x	x	x		x		x	
<i>Umbilicaria havaasii</i>	3	c			x															x			x	x	x	x	x			
<i>Umbilicaria hirsuta</i>	1	s			x				x													x					x			



Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI	
<i>Umbilicaria hyperborea</i>	5	c	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
<i>Umbilicaria krascheninnikovii</i>	3	c	x			x								x	x							x	x	x		x	x	x	x		
<i>Umbilicaria leiocarpa</i>	2	c						x								x								x			x	x			
<i>Umbilicaria lyngei</i>	3	r	x	x	x			x			x	x	x				x					x	x	x	x	x	x	x	x		
<i>Umbilicaria mammulata</i>	1	s																			x						x				
<i>Umbilicaria muehlenbergii</i>	2	c													x	x							x	x							
<i>Umbilicaria nylanderiana</i>	1	s										x										x					x	x			
<i>Umbilicaria phaea</i>	1	c																		x	x										
<i>Umbilicaria polyphylla</i>	4	c	x	x	x	x		x	x		x										x	x		x	x	x		x		x	x
<i>Umbilicaria polyrrhiza</i>	1	c																							x						
<i>Umbilicaria proboscidea</i>	5	c	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Umbilicaria rigida</i>	3	s	x		x	x		x								x	x				x	x	x				x	x	x		
<i>Umbilicaria scholanderi</i>	1	r																			x	x					x				
<i>Umbilicaria torrefacta</i>	5	c	x	x	x	x		x	x		x	x	x	x		x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
<i>Umbilicaria vellea</i>	4	c	x	x	x			x	x		x	x		x		x					x	x	x	x	x	x	x	x	x	x	
<i>Umbilicaria virginis</i>	4	c	x	x	x	x		x			x	x					x		x	x		x	x	x	x	x	x	x	x	x	x
<i>Unguiculariopsis cribriformis*</i>																														x	
<i>Unguiculariopsis groenlandiae*</i>																														x	
<i>Unguiculariopsis refractiva*</i>											x																				
<i>Usnea barbata</i>	1	c																						x							
<i>Usnea cavernosa</i>	1	c																						x							
<i>Usnea glabrescens</i>	1	c																					x								

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Usnea lapponica	2	c			x		x			x												x	x							
Usnea scabrata	1	c			x																	x								
Usnea sphacelata	3	r	x			x		x			x	x		x									x		x	x	x	x	x	x
Usnea subfloridana	1	c			x		x			x												x								
Usnea substerilis	1	c																				x	x	x						
Vahliella globuligera	1	s																				x								
Vahliella leucophaea	1	c			x						x	x																		
Varicellaria rhodocarpa	4	c	x	x	x		x		x	x		x	x		x	x			x		x		x				x			
Verrucaria acrotella	1	s			x			x												x			x				x			
Verrucaria aethiobola	4	c	x	x	x	x		x				x							x	x	x	x	x	x		x	x		x	x
Verrucaria arctica	3	s						x					x				x				x	x	x	x	x	x	x		x	
Verrucaria bullata	1	o						x																						
Verrucaria calciseda	1	c																				x						x		
Verrucaria ceuthocarpa	4	s	x	x	x			x								x		x	x	x				x			x	x	x	x
Verrucaria degelii	1	s																									x			x
Verrucaria devergescens	1	s									x								x			x								
Verrucaria deversa	3	s	x									x	x		x			x	x			x	x			x			x	
Verrucaria divergens	3	s	x					x							x						x	x	x	x		x				
Verrucaria erichsenii	1	c																									x			
Verrucaria extrema	1	o	x																											
Verrucaria floerkeana	1	s																										x		
Verrucaria foveolata	1	s																	x											

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Verrucaria halophila	1	s																									x			
Verrucaria halophiloides	2	o	x	x				x											x											
Verrucaria internigrescens	1	c			x																									x
Verrucaria latebrosa	1	s																										x		
Verrucaria margacea	4	c	x		x			x								x			x			x		x	x	x	x		x	
Verrucaria maura	4	c	x	x	x			x								x			x	x						x	x		x	x
Verrucaria mucosa	2	c			x														x								x		x	x
Verrucaria muralis	3	c			x			x								x			x		x	x	x	x		x	x	x	x	
Verrucaria naeviformis	1	r																	x											
Verrucaria nigrescens	3	c	x						x												x	x	x	x		x	x	x	x	
Verrucaria obnigrescens	1	s																	x											
Verrucaria obsoleta	1	o						x																						
Verrucaria ossiseda	1	r						x															x							x
Verrucaria pinguicula	1	s	x																x											
Verrucaria praetermissa	1	c																										x		
Verrucaria rejecta	1	r	x																											
Verrucaria riparia	1	s			x														x											
Verrucaria sibirica	1	o																	x											
Verrucaria striatula	1	c		x	x			x														x					x			
Verrucaria subjuntiva	1	o																	x											
Verrucaria thalassina	1	s																									x		x	
Verrucaria tristis	1	c																										x		

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
Verrucaria umbrinula	1	c		x															x									x		
Verrucaria viridula	2	c											x	x		x	x													
Verrucaria wilczekii	1	o	x																											
Vestergrenopsis elaeina	3	c	x	x				x											x								x		x	x
Vestergrenopsis isidiata	3	c	x	x																		x	x	x	x	x	x	x	x	x
Vouauxiomyces santessonii*																											x			
Vulpicida juniperinus	3	c			x			x	x			x	x			x		x												
Vulpicida pinastri	4	c		x	x		x	x	x	x		x	x			x		x	x		x	x	x	x	x		x			
Vulpicida tilesii	4	c					x	x	x	x	x	x	x	x		x	x	x	x		x	x	x	x	x			x	x	
Weddellomyces tartaricola*					x	x																					x			
Xanthomendoza borealis	2	s	x					x			x	x	x				x										x	x	x	
Xanthoparmelia chlorochroa	1	c																					x							
Xanthoparmelia coloradoënsis	1	c																				x	x							
Xanthoparmelia conspersa	1	c										x					x										x			
Xanthoparmelia loxodes	1	c							x																					
Xanthoparmelia pulla	1	c		x	x			x	x										x											
Xanthoparmelia somloënsis	2	c							x		x		x			x		x	x				x							
Xanthoparmelia verruculifera	1	c							x																					
Xanthoria candelaria	5	c	x	x	x	x	x	x	x		x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x
Xanthoria elegans	5	c	x	x	x	x	x	x	x		x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x
Xanthoria fallax	1	c																				x	x							
Xanthoria fulva	1	s					x																				x			

Name of species	ARC	WORLD	Sv	No	Ko	FJ	KP	NZ	PU	YG	SZ	Ta	AO	NS	YK	CW	WI	CS	CE	BI	BA	AN	CC	WH	BL	EI	GW	GN	GE	AI
<i>Xanthoria parietina</i>	2	c		x	x		x																				x			x
<i>Xanthoria polycarpa</i>	2	c			x									x						x							x			
<i>Xanthoria sorediata</i>	5	c	x	x	x			x	x		x	x	x	x		x	x		x	x	x	x	x	x	x	x	x	x	x	x
<i>Xenonectriella ornamentata*</i>																											x			
<i>Xylographa parallela</i>	4	c		x	x					x		x							x		x		x	x			x			x
<i>Xylographa sibirica</i>	1	s														x			x											
<i>Xylographa vitiligo</i>	1	c			x																x		x							
<i>Zahlbrucknerella calcarea</i>	1	c																					x							
<i>Zwackhiomyces berengerianus*</i>												x	x																	
<i>Zwackhiomyces dispersus*</i>												x															x			
<i>Zwackhiomyces sphinctrinoides*</i>																											x			

# List of references surveyed for the Checklist.

- Ahti, T. 2006: Unpublished data.
- Ahti, T. 2007: Further studies on the *Cladonia verticillata* group (Lecanorales) in East Asia and western North America. *Bibliotheca Lichenologica* 96: 5-19.
- Ahti, T. & Hepburn, R.L. 1967. Preliminary studies on woodland caribou range, especially on lichen stands in Ontario. Ontario Dept. of Lands & Forests, Tech. Ser., Res. Rept. 74: 1-134.
- Alstrup, V. 2004: New records in distribution of lichens and lichenicolous fungi. *Graphis Scripta* 16: 46-57
- Alstrup, V. 2006: Unpublished data.
- Alstrup V. & D.L. Hawksworth 1990: The lichenicolous fungi of Greenland. *Meddelelser om Grønland, Bioscience* 31: 1-90.
- Andreev, M.P. 1994: The lichen flora of the lower reaches of the Chugoriyakh River. *Botanicheskii Zhurnal* 79: 39-50.
- Andreev, M.P. 2004: Notes on the lichen genus *Miriquidica* (Lecanorales, Lecanoraceae) in Russia. *Bibliotheca Lichenologica* 88: 15-42.
- Andreev, M.P., Kotlov, Y. & Makarova, I. 1996: Checklist of Lichens and Lichenicolous Fungi of the Russian Arctic. *Bryologist* 99: 137-169.
- Arup, U., Arneng E. & Söchting, U. 2007: *Caloplaca fuscorufa* - a misunderstood species in northern Europe. *Lichenologist* 39: 409-414.
- Brodo, I.M., Sharnoff, S.D. & Stephen S. 2001: *Lichens of North America*. Yale University Press.
- Database of lichens in the U.S. National Parks 2006: [www.ies.wisc.edu/nplichen/park](http://www.ies.wisc.edu/nplichen/park).
- Davydov, E.A. & Zhurbenko, M.P. 2008: Contribution to Umbilicariaceae (lichenized Ascomycota) studies in Russia. I. *Herzogia* 21: 157-166.
- Diederich, P. & Etayo, J. 2000: A synopsis of the genera *Skyttea*, *Llimoniella* and *Rhymbocarpus* (lichenicolous Ascomycota, Leotiales). *Lichenologist* 32: 423-485.
- Diederich, P. & Zhurbenko, M.P. 1997: *Taeniolella rolffii* sp.nov., a new lichenicolous hyphomycete from the Siberian Arctic. *Symbolae Botanicae Upsalienses* 32(1): 11-16.
- Diederich, P. & Zhurbenko, M.P. 2001: Nomenclatural notes on *Taeniolella rolffii* (lichenicolous hyphomycetes). *Graphis Scripta* 12: 37-40.
- Diederich, P., Kocourková, J., Etayo, J. & Zhurbenko, M.P. 2007: The lichenicolous *Phoma* species (Coelomycetes) on *Cladonia*. *Lichenologist* 39: 153-163.
- Diederich, P., Zhurbenko, M.P. & Etayo, J. 2002: The lichenicolous species of *Odontotrema* (Ascomycota, Ostropales). *Lichenologist* 34: 479-501.
- Elix, J.A. & Øvstedal, D.O. 2004: A new *Lecanora* species from the Arctic with a remarkable chemistry. *Graphis Scripta* 15: 57-59.
- Elvebakk & Hertel 1997: A catalogue of Svalbard lichens. *Norsk Polarinstitutt Skrifter* 198: 271-359.
- Esslinger, Th. L. 2007: A synopsis of the North American species of *Anaptychia* (Physciaceae). *Bryologist* 110: 788-797.
- Fryday, A.M. 2000. *Bryonora rhypariza* (Nyl.) Poelt – new to North America. *Evansia* 17: 37-39.
- Fryday, A.M. 2004: A new species of *Fuscopannaria* with a green photobiont, and other taxonomic innovations and new records of lichenized fungi from Alaska. *Bryologist* 107: 173-179.
- Fryday, A.M. 2005: The genus *Porpidia* in northern and western Europe, with special emphasis on collections from the British Isles. *Lichenologist* 37:1-35
- Gabrielsen, G.W., Brekke, B., Alsos, I.G. & Hansen, J.R. (eds.) 1997: *Natur- og kultur-miljøet på Jan Mayen*. Artsliste lave. Norsk Polarinstitutt Meddelelser. 144.
- Golubkova, N.S. 2005: Genus *Arthrorhaphis* Th.Fr. (Arthrorhaphidaceae, Lecanorales) in lichen flora of Russia. *Novitates Systematicae Plantarum non Vascularium* 38: 178-185.

- Golubkova, N.S. (ed.) 1996-2008. Handbook of the lichens of Russia, Vols 6-10. Nauka, St. Petersburg.
- Gould, W.A. 1994: Macrolichens of the Coppermine, Hood, and Thomsen Rivers, Northwest Territories, Canada. *Bryologist* 97: 42-46.
- Gowan, S.P. 1989: The Lichen Genus *Porpidia* (Porpidiaceae) in North America. *The Bryologist* 92: 25-59.
- Gowan, S.P. & Ahti, T. 1993: Status of the lichen genus *Porpidia* in eastern Fennoscandia. *Annales Botanici Fennici* 29(4): 53-75.
- Grube, M. 2005. *Frigidopyrenia* – a new genus for a peculiar subarctic lichen, with notes on similar taxa. *Phyton* 45: 305-318.
- Hafellner, J. 1987: Studien über lichenicole Pilze und Flechten V. *Herzogia* 7: 343-352.
- Hafellner, J. 1997: A world monograph of *Brigantiaea* (lichenized Ascomycotina, Lecanorales). *Symbolae Botanicae Upsalienses* 32(1): 35-74.
- Halonen, P., Myllys, L., Velmala, S. & Hyvarinen, H. 2009. *Gowardia* (Parmeliaceae) – a new alectoroid lichen genus with two species. *Bryologist* 112: 138-146.
- Hansen, E. S. 2000: Lichens collected at Cape Belknap near Alert, Northeastern Ellesmere Island. *Evansia* 17: 15-17
- Hansen, E. S. 2003: Checkliste fra Grønland, database.
- Hansen, E. S. 2003: New or interesting Greenland lichens and lichenicolous fungi V. *Mycotaxon* 86: 149-155.
- Hansen, E. S. 2004: Notes on some new and interesting Greenland lichens VI. *Graphis Scripta* 15:1-6
- Hansen, E. S. 2004: New or interesting Greenland lichens VII. *Cryptogamie Mycologie* 25:83-90
- Hansen, E. S. 2005: Lichens from Uummannaq, Qilakitsoq and Qaarsut, Central West Greenland. *Folia Cryptogamica Estonica* 41: 35-44.
- Hansen, E. S. 2006: Notes on some new and interesting Greenland lichens IX. *Graphis Scripta* 18: 1-5
- Hansen, E. S. 2007: Lichens from Upernavik island, NW Greenland. *Willdenowia* 37: 353-362
- Hansen, E. S. 2007: Lichens from Saqqaq and Qeqertaq, Central West Greenland. *Folia Cryptogamica Estonica* 43: 1-12.
- Hansen, E.S. 2008: Lichens from Arsuk and Paamiut - Frederikshaab, South West Greenland. *Folia Cryptogamica Estonica* 44: 37-48.
- Hansen, E.S. 2008: The lichen flora of Kuhn Ø and Blaabærdalen, easternmost Th. Thomsen Land, North East Greenland. *Cryptogamie, Mycologie* 29: 397-411.
- Hansen, E.S. 2008: A contribution to the lichen flora of the Scoresby Sund area, Central East Greenland. *Cryptogamie, Mycologie* 28: 293-302.
- Hansen, E. S. 2008: A contribution to the lichen flora of Johannes V. Jensen Land, northern Peary land, North Greenland. *Cryptogamie, Mycologie* 29: 25-33
- Hansen, E.S. 2009. Lichens from Johannes V. Jensen Land, North Greenland. *Willdenowia* 39.
- Hansen, E.S. & Alstrup, V. 1995: The lichenicolous fungi on *Cladonia* subgenus *Cladina* in Greenland. *Graphis Scripta* 7: 33-38.
- Hansen, E. S., Dawes, P.R. & Thomassen, B. 2006: Epilithic lichen communities in high arctic Greenland: Physical, environmental and geological aspects of their ecology in Inglefield Land (78°-79°N). *Arctic, Antarctic, and Alpine Research* 38: 72-81.
- Hansen, E. S. & Lund, P.M. 2003: The lichen flora and reindeer grazing in the Isortoq area, South West Greenland. *Folia Cryptogamica Estonica* 40: 7-14
- Hansen, E. S. & Vestergård, K. 1979: Lichens from Jan Mayen collected by the Danish Jan Mayen expedition 1972. *Norsk Polarinstitutts Årbok* 1978: 81-88.
- Hawksworth, D.L. & Dyko, B.J. 1979: *Lihenodiplis* and *Vouauxiomyces*: two genera of lichenicolous Coelomycetes. *Lichenologist* 11: 51-61.

- Hertel, H. 1997: On the genus *Lecidea* (Lecanorales) in Southern Chile and Argentina. *Symbolae Botanicae Upsaliensis* 32(1): 95-111.
- Hertel, H. & Andreev, M.P. 2003: On some saxicolous Lecideoid Lichens of the Beringian Region and adjacent areas of Eastern Siberia and the Russian Far East. *Bryologist* 106: 539-551
- Hertel, H. & Rambold, G. 1995: On the genus *Adelolecia* (lichenized Ascomycotina, Lecanorales). *Bibliotheca Lichenologica* 57: 211-230.
- IUCN 2004: The present-day state of biological diversity within protected areas. Lichens and Bryophytes. Ministry of Natural Resources of the Russian Federation.
- Jørgensen, P. M. 2004: *Psoroma tenue* var. *boreale*, an overlooked, widespread, arctic-alpine lichen. *Graphis Scripta* 15: 60-64
- Jørgensen, P.M. 2006: *Leptochidium crenatum*, a misunderstood arctic-alpine lichen. *Graphis Scripta* 18:19-22.
- Jørgensen, P.M. & Kristinsson, H. 2003: *Psoroma hirsutum*, a lichen new to the Northern Hemisphere. *Graphis Scripta* 14: 55-57.
- Jørgensen, P.M. & Vitikainen, O. 2007: Cyanolichens. In Ahti, T. et. al. (eds.): *Nordic Lichen Flora Vol. 3*. Udevalla 2007.
- Jørgensen, P.M. & Zhurbenko, M. 2002: Two new, remarkable, arctic species in the lichen genus *Fuscopannaria* (Pannariaceae, Lichenized Ascomycetes). *Bryologist* 105: 465-469.
- Karatygin, I.V., Nezdoiminogo, E.L., Novozhilov, Y.K. & Zhurbenko, M.P. 1999: Russian arctic fungi. Annotated checklist. St.Petersburg: Khimiko-Pharmatsevticheskaya Akademiya.
- Keissler, K. 1928: Flechtenparasiten. Report of the scientific results of the Norwegian Expedition to Novaya Zemlya 1921 no. 38: 3-5.
- Kholod, S.S., Zhurbenko, M.P. 2005: The lichens of Wrangel Island: Activity and habitat distribution of the species. *Botanicheskiy Zhurnal* 90: 1329-1367.
- Kihlman A.O. 1891: Neue Beiträge zur Flechten-Flora der Halbinsel Kola. *Meddelanden Societatis pro Fauna et Flora Fennica* 18: 41-59.
- Knudsen, K. & Kocourková, J. 2008: A study of lichenicolous species of *Polysporina* (Acarosporaceae). *Mycotaxon* 105: 149-164.
- Kotlov, Y.V. 2003: *Catillaria atomarioides* (Catillariaceae) new for Russia, lichen species from the Siberian Arctic. *Botanicheskiy Zhurnal* 88: 120-121.
- Kristinsson, H. 2006: Icelandic Institute of Natural History, database.
- Krog, H. 1968. The macrolichens of Alaska. *Norsk Polarinstitut Skrifter* 144: 1-180.
- Kukwa, M. & Zhurbenko, M.P. 2009: Notes on the lichen genus *Lepraria* from the Arctic. *Graphis Scripta*, in press.
- Kümmerling, H., Triebel D. & Rambold, G. 1993: *Lepraria neglecta* and its lichenicolous fungi. *Bibliotheca Lichenologica* 53: 147-160.
- Lavrinenko, O.V. et al. 2000.
- Lavrinenko, O.V., Urbanavichus, G.P. & Urbanavichene, I.N. 2007: Systematic species lists of flora and fauna of "Nenetskiy" state nature reserve. Proceedings of "Nenetskiy" state nature reserve 1: 22-28.
- Lind, J. 1924: Ascomycetes and Fungi imperfecti. Report of the scientific results of the Norwegian Expedition to Novaya Zemlya 1921 no. 19: 1-28.
- Litterski B. & Ahti, T. 2004. World distribution of selected European *Cladonia* species. *Symbolae Botanicae. Upsalienses* 34: 205-236.
- Lohtander, K., Urbanavichus, G.P. & Athi, T. 2007: The phylogenetic position of two new species of *Physconia* (lichenized Ascomycetes) from Russia. *Bibliotheca Lichenologica* 96: 175-184.
- Lynge, Bernt 1926: Lichens from Bear Island (Bjørnøya) collected by Norwegian and Swedish expeditions chiefly by Th. M. Fries during the Swedish Polar Expedition of 1868. *Resultater av de Norske Staatsunderstøttede Spitsbergenexpeditioner* 1: 3-78.
- Lynge, B. 1937. Lichens from West Greenland, collected chiefly by Th.M.Fries. *Meddelelser om Grønland* 118: 1-225.
- Magnusson, A.H. 1929: A monograph of the genus *Acarospora*. *Kungliga Svenska Vetenskapsakademien Handlingar* 7(4): 1-400.



- Magnusson, A.H. 1944. Studies in the ferruginea-group of the genus *Caloplaca*. Vetenskaps- och Vitterh.-sammhällets Handlingar, Sjätte Följden, 3: 3-71.
- Magnusson, A.H. 1947. Studies in non-saxicolous species of *Rinodina* mainly from Europe and Siberia. Meddelelser från Göteborgs Botaniska Trädgård 17: 191-338.
- Magomedova et al. 2003..
- Magomedova, M.A. & Ektova, S.N. 2008. Lichens. In: Yamal Peninsula: Plant cover (ed. P.L. Gorchakovskii). Siti-press, Tyumen, 360 pp.
- Maycock, P.F. & Fahselt, D. 1992: Vegetation of stressed calcareous screes and slopes in Sverdrup Pass, Ellesmere Island, Canada. Canadian Journal of Botany 70: 2359-2377.
- Mayrhofer, M. 1987: Studien über die saxicolen Arten der Flechtengattung *Lecania* in Europa. I. *Halecania* gen. nova. Herzogia 7: 381-406.
- McCune, B. 2008. Three new species of *Hypogymnia* (Ascomycota: Parmeliaceae) from the Bering Sea region, Alaska and Russia. North American Fungi 3(6): 1-10.
- Moberg, R., Mayrhofer, H. & Nordin, A. 2002: Physciaceae. In: Ahti, T. et al. eds.: Nordic Lichen Flora Vol. 2, Uddevalla.
- Nordin, A. 1999: *Buellia* Species with Pluriseptate Spores: New and unrecorded species in North America. Bryologist 103: 249-264.
- Nordin, A. 2000: Taxonomy and phylogeny of *Buellia* species with pluriseptate spores (Lecanorales, Ascomycotina). Acta Univ. Ups. 33(1): 1-126.
- Nylander, W. 1888: Enumeratio Lichenum Freti Behringii. Bull. Soc. Linn. Normandie, Ser. 4, 1: 1-91.
- Printzen, C. 1995: Die Flechtengattung *Biatora* in Europa. Bibliotheca Lichenologica 60.
- Printzen, C., Spribille, T. & Tønsberg, T. 2008: *Myochroidea*, a new genus of corticolous, crustose lichens to accommodate the *Lecidea leprosula* group. Lichenologist 40: 195-207.
- Räsänen V. 1943: Petsamon jäkäläkasvisto. Ann. Bot. Soc. Zool. Bot. Fenn. Vanamo 18(1): 1-110.
- Saag, L., Hansen E.S., Saag, A. & Randlane, T. 2007: Survey of *Lepraria* and *Leprocaulon* in Greenland. Mycotaxon 102: 57-90.
- Scheidegger, C. 1987: *Buellia uberior* und *B. miriquidica* (Physciaceae, Lecanorales), zwei lichenicole Krustenflechten auf *Schaereria tenebrosa*. Botanica Helvetica 97: 99-116.
- Scheidegger, C. 1993: A revision of European saxicolous species of the genus *Buellia* de Not. and formerly included Genera. Lichenologist 25: 315-364.
- Sheard, J.W. 1962: A contribution to the lichen flora of Jan Mayen. Lichenologist 2: 76-85.
- Sliwa, L. 2007: A Revision of the *Lecanora dispersa* complex in North America. Polish Botanical Journal 52:1-70.
- Søchting, U. & Tønsberg, T. 1997: *Caloplaca xanthostigmoidea* (Räs.) Zahlbr., a common lichen in cool regions of the Northern Hemisphere. Synbolae Botanicae Upsaliensis 32(1): 247-253.
- Søchting, U., Lorentsen, L.B. & Arup, U. 2008: The lichen Genus *Caloplaca* (Ascomycota, Lecanoromycetes) on Svalbard. Notes and Additions. Nova Hedwigia 87: 69-96.
- Talbot, S. S. & Talbot, S. L., Thomson, J.W. & Schofield, W.B. 2001: Lichens from St. Matthew and St. Paul Islands, Bering Sea, Alaska. Bryologist 104: 47-58.
- Thomson, J.W. 1984: Lichens of Bylot and Northern Baffin Islands, Northwest Territories, Canada. Bryologist 87: 228-232.
- Thomson, J.W. 1984: American Arctic Lichens 1. The Macrolichens. Columbia University Press.
- Thomson, J.W. 1997: American Arctic Lichens 2. The Microlichens. The University of Wisconsin Press.
- Thomson, J.W. & Scotter, G.W. 1985: Lichens of eastern Axel Heiberg Island and the Fosheim Peninsula, Ellesmere Island, Northwest Territories. Canadian Field-Naturalist 99: 179-187.
- Thomson, J.W. & Scotter, G.W. 1992: Lichens of the Cape Parry and Melville Hills Regions, Northwest Territories. Canadian Field-Naturalist 106: 105-111.
- Tibell, Leif. 1999: Calicioid lichens and fungi. In: Ahti, T. et al. eds.: Nordic Lichen Flora Vol. 1, Uddevalla.

- Timdal, E. 1991: A monograph of the genus *Toninia* (Lecideaceae, Ascomycetes). *Opera Botanica* 110: 1-137
- Timdal, E. 2003: Norwegian Lichen Database. <http://www.nhm.uio.no/lichens>.
- Triebel, D. 1989: Lecideicole Ascomyceten. *Bibliotheca Lichenologica* 35: 1-278.
- Triebel, D. 1993. Notes on the genus *Sagediopsis* (Verrucariales, Adelococcaceae). *Sendtnera* 1: 273-280.
- Triebel, D. & Zhurbenko, M. 2006: Unpublished data.
- Tønnsberg, T. & Zhurbenko, M.P. 2006: *Lepraria gelida*, a new species from the Arctic. *Graphis Scripta* 18: 64.
- Urbanavichus, G., Ahti, T. & Urbanavichene I. 2008: Catalogue of lichens and allied fungi of Murmansk Region, Russia. *Norrlinia* 17: 1-80.
- Vainio, E.A. 1909: Lichenes in viciniis stationis hibernae expeditionis Vegae prope pagum Pitlekai in Sibiria septentrionali. *Ark. Bot.* 8: 1-175.
- Vänskä, Heino 1985: *Squamarina poeltii*, a new lichen species from Novaya Zemlya. *Annales Botanici Fennici* 22: 31-35.
- Vitikainen, Orvo 1994: Taxonomic revision of *Peltigera* (lichenized Ascomycotina) in Europe. *Acta Botanica Fennica* 152: 1-96
- Vitikainen, O. 1994. Unpublished data from Helsinki Museum.
- Westberg, M. 2007: *Candelariella* (Candelariaceae) in western United States and northern Mexico: The polysporous species. *Bryologist* 110: 375-390
- Westberg, M., Kärnefelt, I. & Thell, A. 2004: *Melanelia agnata*, an overlooked species, new to Sweden. *Graphis Scripta* 16: 23-27
- Wetmore, C.M. 2004: The sorediate corticolous species of *Caloplaca* in North and Central America. *Bryologist* 107: 505-520.
- Zhurbenko, M.P. 1996. Lichens and lichenicolous fungi of the northern Krasnoyarsk Territory, Central Siberia. *Mycotaxon* 58: 185-232.
- Zhurbenko, M.P. 1998. Lichens and lichenicolous fungi from the north of Pyasino lake, Taimyr Peninsula, Siberia. *Folia Cryptogamica Estonica* 32: 153-159.
- Zhurbenko, M.P. 1999. Lichenes partis polaris montium Uralensium in valle fl. Sob. *Novitates Systematicae Plantarum non Vascularium* 33: 120-130.
- Zhurbenko, M.P. 2001: Lichenicolous fungi from Murmansk region of Russia. *Mikologiya Fitopatologiya* 35: 34-40.
- Zhurbenko, M.P. 2002a: *Arthonia triebeliae* (Arthoniales), a new lichenicolous fungus from the Arctic. *Mycological Progress* 1: 137-141.
- Zhurbenko, M.P. 2002b: Lichenicolous fungi from the Polar Ural. *Mikologiya Fitopatologiya* 36: 9-14.
- Zhurbenko, M.P. 2002c: Lichenicolous genus *Cercidospora* (Dothideales, Ascomycota) in the north of Russia. *Mikologiya Fitopatologiya* 36: 3-10.
- Zhurbenko, M. P. 2006: Unpublished data.
- Zhurbenko, M. P. 2007: *Corticifraga santessonii* and *C. chugachiana* (Lecanoromycetes, Ascomycotina), new species of lichenicolous fungi from the Holarctic. *Lichenologist* 39: 221-226.
- Zhurbenko, M.P. 2007: New lichenicolous fungi from Eurasia. *Graphis Scripta* 19: 1-9.
- Zhurbenko, M.P. 2008: Lichenicolous fungi from Russia, mainly from its Arctic. II. *Mycologia Balcanica* 5: 13-22.
- Zhurbenko, M.P. 2009: Lichenicolous fungi and some lichens from the Holarctic. *Opuscula Philolichenum* 6: 87-120.
- Zhurbenko, M.P. 2009. New and interesting lichenicolous hypocrealean fungi from the Northern Hemisphere. *Sydowia*, in press.
- Zhurbenko, M. P. & Ahti, T. 2005: Contribution to the study of the lichen genera *Cladina* and *Cladonia* in the Russian Arctic, mainly from Taimyr Peninsula and Severnaya Zemlya. *Nova Hedwigia* 81: 79-95.
- Zhurbenko, M. P. & Alstrup, V. 2004: Lichenicolous fungi on *Cladonia* mainly from the Arctic. *Symbolae Botanicae Upsaliensis* 34(1): 477-499.
- Zhurbenko, M.P., Czernyadjeva, I.V. & Kozhevnikov, Y.P. 2002: Lichens, lichenicolous fungi, mosses and vascular plants of Samoilovskii Island (Ust-Lenskii Reserve, Arctic Yakutiya). *Novitates*

- Systematicae Plantarum non Vascularium 36: 100-113.
- Zhurbenko, M. P. & Daniëls, F.J.A. 2003: New or rarely reported lichenicolous fungi and lichens from the Canadian Arctic. *Mycotaxon* 88: 97-106
- Zhurbenko, M.P., Laursen, G.A. & Walker, D.A. 2005: New and rare lichenicolous fungi and lichens from the North American Arctic. *Mycotaxon* 92: 201-212.
- Zhurbenko, M. P. & Lumbsch, T. 2006: *Pertusaria christae* is a synonym of *P. saximontana*. *Lichenologist* 38: 487-490.
- Zhurbenko, M.P. & Matveyeva N.V. 2006: Terricolous lichens of the Bolshevik Island (Severny Zemlya Archipelago). *Botanicheskiy Zhurnal* 91: 1457-1484.
- Zhurbenko, M. P., Matveyeva, N. V., Vonlanthen, C., Walker, D.A. & Raynolds, M. K. 2006: Lichens from Ellef Ringnes Island, Canadian Arctic Archipelago. *Evansia* 23: 69-78.
- Zhurbenko, M.P. & Pospelova, E.B. 2001: Lichenes ac fungi lichenophili in vicinitate lacus Syrutaturku (reservatum Taimyricum, Taimyr Centralis). *Novit. Syst. Plant. non Vascul.* 34: 134-139
- Zhurbenko, M.P. & Pospelova, E.B. 2001: Lichenes ac fungi lichenophili in vicinitate Lacus Syrutaturku (Reservatum Taimyricum, Taimyr Centralis) *Novitates Systematicae Plantarum non Vascularium* 34: 134-139.
- Zhurbenko, M.P., Raynolds, M.K., Walker, D.A. & Matveeva, N.V. 2005: Lichens and lichenicolous fungi from the Kolyma delta region, Russian Arctic. *Graphis Scripta* 17: 27-31.
- Zhurbenko, M.P. & Santesson, R. 1996: Lichenicolous fungi from the Russian Arctic. *Herzogia* 12: 147-161.
- Zhurbenko, M. P. & Triebel, D. 2003: *Cercidospora lecidomae* (Dothideales, Ascomycetes), a new lichenicolous fungus from the North Holarctic. *Bibliotheca Lichenologica* 86: 205-214.
- Zhurbenko, M. P. & Triebel, D. 2005: *Lasiosphaeriopsis pilophori* sp. nov. (Sordariales) and other lichenicolous fungi on *Pilophorus*. *Mycological Progress* 4: 317-323.
- Zhurbenko, M.P. & Triebel, D. 2008. Three new species of *Stigmatidium* and *Sphaerellothecium* (lichenicolous ascomycetes) on *Stereocaulon*. *Mycological Progress*
- Zhurbenko, M.P. & Vechov, N.V. 2001: Lichenes lignicolae in Archipelago Terra Nova et Insula Vaigacz. *Novitates Systematicae Plantarum non Vascularium* 34: 126-134.

**Table 1. List of the arctic regions included in the panarctic checklist with their abbreviations used in Fig. 1 and Table 4.**

Sv	Svalbard, incl. Bear Island (Bjørnøya)
No	Norway: Arctic coast of East Finnmark
Ko	Arctic coast of Kola Peninsula
FJ	Franz Josef Land
KP	Kanin – Pechora: Kanin Peninsula, Malozemelskaya and Bolshezemelskaya Tundras
NZ	Novaya Zemlya
PU	Polar Ural: Polar Ural Mts. incl. Vaigach Island
YG	Yamal – Gydan: Region between Polar Ural and lower Enisei River.
SZ	Severnaya Zemlya
Ta	Taimyr Peninsula
AO	Anabar – Olenyk: Region between lower Khatanga and Lena Rivers, including Lena Delta and Kharaulakh Range.
NS	New Siberian Islands: Novosibirskie and Lyakhovskie Islands.
YK	Yana – Kolyma: Region between Kharaulakh Range and lower Kolyma River
CW	Chukotka West: Region between lower Kolyma River and Chukotskoe Upland
WI	Wrangel Island
CS	Chukotka South: Lower Anadyr River and north of Koryakskoe Upland
CE	Chukotka East: Chukchi Peninsula
BI	Beringian Islands: St. Lawrence, St. Matthew and St. Paul Islands
BA	Beringian Alaska: Bering Sea Coast of continental Alaska from Bristol Bay to Icy Cape
AN	Alaska North: Northern Brooks Range, Alaskan Arctic Slope, British Mountains
CC	Central Canadian Arctic: Victoria, Banks, Melville, Prince Patrick, Ringnes and Somerset Islands, Western part of Devon Island, North coast of continental Canada east of Mackenzie River to Hudson Bay
WH	West Hudsonian: Western and southern shores of Hudson Bay, Southampton Island, northern part of Baffin Island
BL	Baffin Island to Labrador: Southern part of Baffin Island, Ungava Peninsula, northernmost Labrador
EI	Ellesmere Island: Ellesmere and Axel Heiberg Islands, eastern part of Devon Island.
GW	Greenland West: West coast of Greenland from Kap Farvel north to Inglefield Bredning.
GN	Greenland North: North coast of Greenland from Inglefield Bredning to Nioghalvfjærdsfiorden in the East.
GE	Greenland East: East coast of Greenland from Kap Farvel north to Nioghalvfjærdsfiorden.
AI	Arctic Iceland: Arctic coast of Iceland, Jan Mayen.

**Table 2. List of lichenized fungi endemic to the arctic regions.**

Name of species	Number of regions where the species occurs	Single region
<i>Acarospora friesii</i> H.Magn.	1	Greenland West
<i>Acarospora groenlandica</i> H.Magn.	1	Greenland East
<i>Acarospora nitida</i> H.Magn.	1	Greenland West
<i>Acarospora novae zemliae</i> H.Magn.	1	Novaya Zemlya
<i>Acarospora persimilis</i> H.Magn.	2	
<i>Acarospora tuberculata</i> H.Magn.	1	Greenland West
<i>Arctocetraria simmonsii</i> (Krog) E.S.Hansen	1	Greenland West
<i>Arctopeltis thuleana</i> Poelt	8	
<i>Arthopyrenia kentrospora</i> Branth	1	Greenland West
<i>Aspicilia circularis</i> (H.Magn.) Oxner	3	
<i>Aspicilia composita</i> (Lyngé) J.W.Thomson	4	
<i>Aspicilia concinna</i> (J.W.Thomson) J.W.Thomson	1	Alaska North Slope
<i>Aspicilia contigua</i> (Lyngé) J.W.Thomson	4	
<i>Aspicilia heteroplaca</i> (Zahlbr.) Oxner	5	
<i>Aspicilia humboldtii</i> (Lyngé) J.W.Thomson	3	
<i>Aspicilia narssaquensis</i> (Lyngé) J.W.Thomson	3	
<i>Aspicilia nathorstii</i> (Lyngé) J.W.Thomson	2	
<i>Aspicilia novae-semiliae</i> (Zahlbr.) Oxner	2	
<i>Aspicilia ochrofusca</i> (Zahlbr.) Oxner	1	Novaya Zemlya
<i>Aspicilia perpendicularis</i> H.Magn.	1	Svalbard
<i>Aspicilia pertusa</i> (Lyngé) J.W.Thomson	3	
<i>Aspicilia vaginans</i> (Zahlbr.) Oxner	1	Novaya Zemlya
<i>Bacidia indigens</i> (Vain.) Zahlbr.	1	Beringian Chukotka
<i>Bacidia xylopila</i> Malme	2	
<i>Belonia arctica</i> Lyngé	1	Novaya Zemlya
<i>Buellia arctica</i> Lyngé	1	Taimyr
<i>Buellia discoensis</i> Lyngé	1	Greenland North
<i>Buellia immersa</i> Lyngé	3	
<i>Buellia minutissima</i> Lyngé	1	Novaya Zemlya
<i>Buellia notabilis</i> Lyngé	3	
<i>Buellia postglacialis</i> Hafellner	1	Svalbard
<i>Caloplaca alaskensis</i> Wetmore	2	
<i>Caloplaca celata</i> Th.Fr.	6	
<i>Caloplaca elaeophora</i> (E.S.Hansen, Poelt & Søchting) Alstrup & E.S.Hansen	2	
<i>Caloplaca elvebakkiana</i> Søchting Lorentsen & Arup	1	Svalbard
<i>Caloplaca ferrugineofusca</i> (Vain.) H.Magn.	2	
<i>Caloplaca geogena</i> (Vain.) Zahlbr.	1	Beringian Chukotka
<i>Caloplaca jemtlandica</i> var. <i>cerinospora</i> E.S.Hansen, Poelt & Søchting	1	Greenland West
<i>Caloplaca polaris</i> (Vain.) Zahlbr.	1	Beringian Chukotka
<i>Caloplaca scabrosa</i> Søchting, Lorentsen & Arup	1	Svalbard
<i>Caloplaca spitsbergensis</i> H.Magn.	7	
<i>Caloplaca ursina</i> Lyngé	2	
<i>Catillaria hoeferi</i> Körb.	2	
<i>Catillaria holtedahlii</i> Lyngé	1	Novaya Zemlya
<i>Catillaria hypochroea</i> (Vain.) Zahlbr.	3	
<i>Catillaria subnegans</i> (Nyl.) Boistel	2	

Name of species	Number of regions where the species occurs	Single region
<i>Catinaria atomaria</i> Lynge	1	Novaya Zemlya
<i>Diploicia effigurata</i> Alstrup & E.S.Hansen	2	
<i>Fuscopannaria abscondita</i> P.M.Jørg.	1	Svalbard
<i>Fuscopannaria globigera</i> Fryday & P.M.Jørg.	1	Alaska North Slope
<i>Gowardia arctica</i> P.Halonen, L.Myllys, S.Velmala & H.Hyvarinen	6	
<i>Immersaria carbonoidea</i> (J.W.Thomson) M.Barbero, Nav.-Ros. & Cl.Roux	1	Alaska North Slope
<i>Lecania disceptans</i> (Nyl.) Lynge	2	
<i>Lecania expallescens</i> (Nyl.) Oxner	1	Beringian Chukotka
<i>Lecania flavescens</i> Lynge	5	
<i>Lecania phaeosphaeroides</i> (Vain.) Zahlbr.	1	Beringian Chukotka
<i>Lecanora caesiosulphurea</i> Vain.	2	
<i>Lecanora congesta</i> Clauzade & Vězda	2	
<i>Lecanora contigua</i> Lynge	1	Greenland West
<i>Lecanora discoënsis</i> Lynge	2	
<i>Lecanora griseofulva</i> Elix & Øvstedal	1	Svalbard
<i>Lecanora groenlandica</i> Lynge	3	
<i>Lecanora hadacii</i> Lynge	1	Svalbard
<i>Lecanora maxima</i> Lynge	3	
<i>Lecanora micheleri</i> (Hertel) Hertel	1	Svalbard
<i>Lecanora microfusca</i> Lynge	3	
<i>Lecanora ossiseda</i> Zahlbr.	1	Novaya Zemlya
<i>Lecanora permelancholica</i> Zahlbr.	1	Novaya Zemlya
<i>Lecanora scrobiculata</i> (Th.Fr.) Th.Fr.	2	
<i>Lecanora submellea</i> Savicz	1	Taimyr
<i>Lecanora subtorrida</i> Zahlbr.	2	
<i>Lecanora surrecta</i> Lynge	1	Greenland West
<i>Lecidea cacuminum</i> Vain.	1	Yamal-Gydan
<i>Lecidea convallium</i> Lynge	1	Greenland West
<i>Lecidea cupreorufa</i> Nyl.	1	Beringian Chukotka
<i>Lecidea delicatula</i> Vain.	1	Beringian Chukotka
<i>Lecidea discreta</i> Lynge	1	Novaya Zemlya
<i>Lecidea humboldtii</i> Lynge	1	Greenland East
<i>Lecidea invadens</i> H.Magn.	1	Novaya Zemlya
<i>Lecidea lygotropa</i> Nyl.	1	Beringian Chukotka
<i>Lecidea magnussonii</i> Lynge	2	
<i>Lecidea minutissima</i> Lynge	1	Svalbard
<i>Lecidea miseriae</i> Lynge	1	Svalbard
<i>Lecidea occidentalis</i> Lynge	2	
<i>Lecidea pachydermatica</i> Lynge	1	Greenland West
<i>Lecidea reducens</i> Vain.	2	
<i>Lecidea speirococca</i> Nyl.	1	Beringian Chukotka
<i>Lecidea subdepressa</i> Vain.	1	Beringian Chukotka
<i>Lecidea subrhagadiella</i> Lynge	2	
<i>Lecidea symphyicarpea</i> Lynge	1	Svalbard
<i>Lecidea tajmyrensis</i> Malme	1	Taimyr
<i>Lecidea tenuissima</i> Lynge	2	
<i>Lecidea terricola</i> Lynge	1	Novaya Zemlya
<i>Lecidea theodori</i> Lynge	3	
<i>Lecidea uralensis</i> Nyl.	1	Taimyr

Name of species	Number of regions where the species occurs	Single region
<i>Lepraria gelida</i> Tønsberg & Zhurb.	9	
<i>Leptogium arcticum</i> P.M.Jørg.	9	
<i>Leptogium parculum</i> Nyl.	1	Beringian Alaska
<i>Pertusaria pruinifera</i> Erichsen	1	Ellesmere Island
<i>Polyblastia septentrionalis</i> Lynge	5	
<i>Porocyphus groenlandicus</i> Å.E.Dahl	1	Greenland West
<i>Pyrenopsis macrospora</i> Lynge	1	Novaya Zemlya
<i>Rhizocarpon alaxensis</i> J.W.Thomson	1	Alaska North Slope
<i>Rhizocarpon albidum</i> Lynge	1	Novaya Zemlya
<i>Rhizocarpon albopunctatum</i> (Vain.) Zahlbr.	1	Beringian Chukotka
<i>Rhizocarpon anseris</i> Lynge	5	
<i>Rhizocarpon arctogenum</i> Gelting	2	
<i>Rhizocarpon cinereoflavescens</i> Lynge	1	Novaya Zemlya
<i>Rhizocarpon cleptophilum</i> Alstrup & E.S.Hansen	1	Greenland North
<i>Rhizocarpon dispersum</i> Runemark	1	Svalbard
<i>Rhizocarpon groenlandicum</i> Lynge	1	Greenland West
<i>Rhizocarpon mahreeri</i> Hafellner	1	Svalbard
<i>Rhizocarpon microsporum</i> Lynge	2	
<i>Rhizocarpon subareolatum</i> E.S.Hansen	1	Greenland West
<i>Rhizocarpon verrucosum</i> Lynge	1	Novaya Zemlya
<i>Rinodina melanconia</i> Vain.	1	Beringian Chukotka
<i>Rinodina ochracea</i> Lynge	1	Greenland West
<i>Rinodina tschuctschorum</i> (Vain.) Zahlbr.	1	Beringian Chukotka
<i>Sarcogyne rugosa</i> Lynge	1	Greenland West
<i>Seiophora aurantiaca</i> (R.Br.) Frödén	1	Central Canada
<i>Servitia inconspicuum</i> (Lynge) M.S.Christ. & Alstrup	1	Greenland North
<i>Sporastatia tenuirimata</i> (Th.Fr.) Lynge	1	Svalbard
<i>Squamarina poeltii</i> Vänskä	3	
<i>Staurothele arctica</i> Lynge	3	
<i>Thallinocarpon pulvinatum</i> Å.E.Dahl	1	Greenland West
<i>Thelidium microsporum</i> Lynge	3	
<i>Verrucaria bullata</i> Lynge	1	Novaya Zemlya
<i>Verrucaria extrema</i> Th.Fr.	1	Svalbard
<i>Verrucaria halophiloides</i> Vain.	4	
<i>Verrucaria obsoleta</i> Lynge	1	Novaya Zemlya
<i>Verrucaria sibirica</i> Zahlbr.	1	Beringian Chukotka
<i>Verrucaria subjuntiva</i> Nyl.	1	Beringian Chukotka
<i>Verrucaria wilczekii</i> Körb.	1	Svalbard

**Table 3. List of lichenized arctic fungi rare outside the Arctic.**

Name of species	Number of regions where the species occurs	Single region
<i>Acarospora almquistii</i> H.Magn.	1	Beringian Chukotka
<i>Acarospora brunneola</i> Norman ex H.Magn.	1	Greenland West
<i>Acarospora peliscypha</i> Th.Fr.	7	
<i>Acarospora putoranica</i> N.S.Golubk. & Zhurb.	1	Taimyr
<i>Acarospora rhizobola</i> (Nyl.) Alstrup	4	
<i>Acarospora rosulata</i> (Th.Fr.) H.Magn.	1	Svalbard
<i>Allantoparmelia sibirica</i> (Zahlbr.) Essl.	6	
<i>Anaptychia bryorum</i> Poelt	5	
<i>Anaptychia ulotrighoides</i> (Vain.) Vain.	1	Alaska North Slope
<i>Arctomia interfixa</i> (Nyl.) Vain.	11	
<i>Arthonia glebosa</i> Tuck.	2	Arctic Iceland
<i>Aspicilia alboradiata</i> (H.Magn.) Oxner	8	
<i>Aspicilia annulata</i> (Lynge) J.W.Thomson	4	
<i>Aspicilia aspicilioidea</i> (Th.Fr.) R.Sant.	1	Svalbard
<i>Aspicilia berntii</i> A.Nordin, Tibell & Owe-Larss.	9	
<i>Aspicilia caesiopruinosa</i> (H.Magn.) J.W.Thomson	1	West Hudsonian
<i>Aspicilia dendroplaca</i> (H.Magn.) Oxner	1	Novaya Zemlya
<i>Aspicilia dudinensis</i> (H.Magn.) Oxner	1	Taimyr
<i>Aspicilia elevata</i> (Lynge) J.W.Thomson	5	
<i>Aspicilia expansa</i> (Lynge) Alstrup & E.S.Hansen	1	North Greeland
<i>Aspicilia gyrodes</i> (Nyl.) Hue	3	
<i>Aspicilia hyperboreorum</i> (Zahlbr.) Oxner	2	
<i>Aspicilia lapponica</i> Hue	1	Severnaya Zemlya
<i>Aspicilia multipunctata</i> (Vain.) R.Sant.	2	
<i>Aspicilia nordlandica</i> (H.Magn.) Degel.	2	
<i>Aspicilia reticulata</i> Kremp.	1	Yamal-Gydan
<i>Aspicilia sublapponica</i> (Zahlbr.) Oxner	7	
<i>Aspicilia syernaiae</i> (H.Magn.) Oxner	1	Novaya Zemlya
<i>Aspicilia valpellinensis</i> B.de Lesd.	1	Novaya Zemlya
<i>Aspicilia virginea</i> Hue	1	Novaya Zemlya
<i>Aspicilia zonata</i> (Ach.) R.Sant.	6	
<i>Bacidia alborussula</i> (Nyl.) Zahlbr.	1	Beringian Chukotka
<i>Bacidia allinita</i> (Nyl.) Zahlbr.	1	Beringian Chukotka
<i>Bacidia graminum</i> (Vain.) Zahlbr.	1	Beringian Chukotka
<i>Bacidia siberiensis</i> (Willey) Zahlbr.	3	
<i>Bacidia venusta</i> Hepp. ex Th.Fr.	1	Svalbard
<i>Bacidia verecundula</i> (Th.Fr.) H.Magn.	2	
<i>Biatorella contigua</i> N.S.Golubk. & Piin	4	
<i>Buellia avium</i> Lynge	1	Novaya Zemlya
<i>Buellia chionea</i> (Th.Fr.) Sheard	3	
<i>Buellia scalpturata</i> Vain.	1	Beringian Chukotka
<i>Buellia septentrionalis</i> Vain.	1	Beringian Chukotka
<i>Buellia subviridescens</i> (Nyl.) Vain.	2	
<i>Buellia terricola</i> A.Nordin	4	
<i>Caloplaca alcarum</i> Poelt	10	



Name of species	Number of regions where the species occurs	Single region
<i>Caloplaca anchon-phoeniceon</i> Poelt & Clauzade	2	
<i>Caloplaca borealis</i> (Vain.) Poelt	5	
<i>Caloplaca diphyes</i> (Nyl.) H.Olivier	1	Novaya Zemlya
<i>Caloplaca etesiae</i> (Nyl.) Du Rietz	1	Beringian Chukotka
<i>Caloplaca fraudans</i> (Th.Fr.) H.Olivier	13	
<i>Caloplaca jenisejensis</i> H.Magn.	1	Taimyr
<i>Caloplaca latispora</i> (Lyngé) H.Magn.	1	Novaya Zemlya
<i>Caloplaca livida</i> (Hepp.) Jatta	5	
<i>Caloplaca paulii</i> Poelt	2	
<i>Caloplaca pinicola</i> H.Magn.	1	Alaska North Slope
<i>Caloplaca psoricida</i> E.S.Hansen, Poelt & Søchting	4	
<i>Caloplaca saxifragarum</i> Poelt	5	
<i>Caloplaca sibirica</i> H.Magn.	4	
<i>Caloplaca soropelta</i> E.S.Hansen, Poelt & Søchting	2	
<i>Caloplaca tenuis</i> Gorodkov	1	Novo Sibirske Islands
<i>Candelariella arctica</i> (Körb.) H.Magn.	11	
<i>Carbonea atronivea</i> (Arnold) Hertel	3	
<i>Catillaria muscicola</i> Lyngé	6	
<i>Catillaria ochrodela</i> (Nyl.) Zahlbr.	1	Beringian Chukotka
<i>Catillaria subtrabalis</i> (Vain.) Zahlbr.	1	Beringian Chukotka
<i>Cephalophysia leucospila</i> (Anzi) H.Kiliás & Scheid.	9	
<i>Cetraria kamczatica</i> Savicz	5	
<i>Cetrelia alaskana</i> (C.Culb. & Culb.) Culb. & C.Culb.	6	
<i>Cliostomum corrugatum</i> (Ach.) Fr.	1	Yamal-Gydan
<i>Collema callopismum</i> A.Massal.	2	
<i>Collema coccophorum</i> Tuck.	1	Greenland North
<i>Collema substellatum</i> H.Magn.	2	
<i>Dacampia hookeri</i> (Borrer) A.Massal.	10	
<i>Dermatocarpon lyngei</i> Servit	1	Greenland West
<i>Ephebe multisporea</i> Å.E.Dahl & Henssen	1	Greenland West
<i>Farnoldia dissipabilis</i> (Nyl.) Hertel	4	
<i>Farnoldia hypocrita</i> (A.Massal.) Fröberg	5	
<i>Frigidopyrenia bryospila</i> (Nyl.) Grube	2	
<i>Fulgensia desertorum</i> (Tomin) Poelt	2	
<i>Fulgensia schistidii</i> (Anzi) Poelt	1	Greenland East
<i>Fuscopannaria ahlneri</i> (P.M.Jørg.) P.M.Jørg.	1	Greenland East
<i>Fuscopannaria viridescens</i> (P.M.Jørg.) Zhurb.	7	
<i>Gyalecta kukriensis</i> (Räsänen) Räsänen	3	
<i>Gyalidea diaphana</i> (Körb.) Vězda	2	
<i>Gyalidea scutellaris</i> (Bagl. & Carestia) Lettau	1	Taimyr
<i>Gypsoplaca macrophylla</i> (Zahlbr.) Timdal	5	
<i>Halecania alpivaga</i> (Th.Fr.) M.Mayrhofer	9	
<i>Hymenelia haematina</i> (Körb.) Lutzoni	1	
<i>Ionaspis annularis</i> H.Magn.	4	
<i>Ionaspis ceracea</i> (Arnold) Hafellner & Türk	2	
<i>Ionaspis ventosa</i> P.M.Jørg & R.Sant.	3	

Name of species	Number of regions where the species occurs	Single region
<i>Lecanora cavicola</i> Creveld	3	
<i>Lecanora chlorophaeodes</i> Nyl.	2	
<i>Lecanora cladonioides</i> Lyngé	1	Ellesmere Island
<i>Lecanora crustacea</i> (Savicz) Zahlbr.	2	
<i>Lecanora expersa</i> Nyl.	1	West Chukotka
<i>Lecanora geophila</i> (Th.Fr.) Poelt	10	
<i>Lecanora glaucoatrodes</i> Zahlbr.	2	
<i>Lecanora leptacina</i> Sommerf.	10	
<i>Lecanora polytropella</i> Nyl.	1	Svalbard
<i>Lecanora salina</i> H.Magn.	2	
<i>Lecanora subsulphurea</i> Nyl.	2	
<i>Lecanora testaceolivida</i> Vain.	1	Beringian Chukotka
<i>Lecanora vicaria</i> (Th.Fr.) Vain.	2	
<i>Lecidea atromarginata</i> (H.Magn.) Hertel & Rambold	9	
<i>Lecidea brachyspora</i> Th.Fr.	9	
<i>Lecidea gorodkovii</i> Oxner	3	
<i>Lecidea ileiformis</i> Fr.	2	
<i>Lecidea karaënsis</i> Lyngé	1	Anabar - Olenyek
<i>Lecidea karawajevii</i> Oxner	2	
<i>Lecidea lithophiloides</i> Nyl.	1	Greenland West
<i>Lecidea lyngei</i> Degel.	1	Novaya Zemlya
<i>Lecidea phaeopelidna</i> Vain.	1	Central Canada
<i>Lecidea polytrichina</i> Hertel	1	Svalbard
<i>Lecidea polytrichinella</i> Hertel, W.Obermeyer & Poelt	1	Svalbard
<i>Lecidea rhagadiella</i> (Nyl.) Th.Fr.	1	Svalbard
<i>Lecidea septentrionalis</i> Th.Fr.	3	
<i>Lecidea subcandida</i> H.Magn.	3	
<i>Lecidea subfuscescens</i> Vain.	3	
<i>Lecidea syncarpa</i> Zahlbr.	1	Svalbard
<i>Lecidella aemulans</i> Arnold	1	Svalbard
<i>Lecidella altensis</i> (Th.Fr.) Hertel	1	Yamal-Gydan
<i>Leciophysma finmarkicum</i> Th.Fr.	20	
<i>Leciophysma furfurascens</i> (Nyl.) Gyelnik	1	
<i>Lempholemma intricatum</i> (Arnold) Zahlbr.	2	
<i>Lepraria alpina</i> var. <i>zeorinica</i> L. Saag	2	
<i>Leprocaulon subalbicans</i> (I.M.Lamb) I.M.Lamb & A.M.Ward	3	
<i>Leptogium triptophylloides</i> (Nyl.) Zahlbr.	1	Beringian Chukotka
<i>Melanelia agnata</i> (Nyl.) Thell	6	
<i>Micarea ternaria</i> (Nyl.) Vězda	4	
<i>Micarea turfosa</i> (A.Massal.) Du Rietz	4	
<i>Miriquidica atrofulva</i> (Sommerf.) A.J.Schwab & Rambold	5	
<i>Miriquidica paanaënsis</i> (Räsänen & Laurila) M.P.Andreev	1	Svalbard
<i>Mycobilimbia fissuriseda</i> (Poelt) Poelt & Hafellner	1	Arctic Norway
<i>Nodobryoria subdivergens</i> (Å.E.Dahl) Common & Brodo	1	Greenland West
<i>Ochrolechia bryophaga</i> (Erichsen) K.Schmitz & Lumbsch	4	
<i>Ochrolechia grimmiae</i> Lyngé	20	

Name of species	Number of regions where the species occurs	Single region
<i>Parmelia skultii</i> Hale	2	
<i>Peltigera lyngei</i> Gyelnik	3	
<i>Pertusaria atra</i> Lynge	1	Central Canada
<i>Pertusaria brachydactyla</i> Vain.	1	Beringian Chukotka
<i>Pertusaria cribellata</i> Branth	6	
<i>Pertusaria globulata</i> Oxner & Volkova	1	Beringian Chukotka
<i>Pertusaria leptophora</i> Nyl.	1	Beringian Chukotka
<i>Pertusaria trachydactyla</i> Vain.	2	
<i>Placidiopsis cervinula</i> (Nyl.) Zahlbr.	1	Taimyr
<i>Placidiopsis pseudocinerea</i> Breuss	8	
<i>Placidium michelii</i> A.Massal.	1	Greenland West
<i>Placidium norvegicum</i> (Breuss) Breuss	2	
<i>Placynthium rosulans</i> (Th.Fr.) Gyelnik	4	
<i>Polyblastia epomphala</i> (Nyl.) Zschacke	1	Svalbard
<i>Polyblastia forana</i> (Anzi) Arnold	1	Novaya Zemlya
<i>Polyblastia friesii</i> Lynge	1	Novaya Zemlya
<i>Polyblastia helvetica</i> Th.Fr.	3	
<i>Polyblastia intermedia</i> Th.Fr.	5	
<i>Polyblastia interversa</i> (Nyl.) Zahlbr.	1	Beringian Chukotka
<i>Polyblastia peminosa</i> (Nyl.) Zahlbr.	1	Greenland North
<i>Polyblastia pernigrata</i> (Nyl.) Zahlbr.	2	
<i>Polyblastia quartzina</i> Lynge	1	Novaya Zemlya
<i>Polyblastia schisticola</i> Servít	1	Greenland North
<i>Polyblastia terrestris</i> Th.Fr.	17	
<i>Psora luridella</i> (Tuck.) Fink	2	
<i>Psora tenuifolia</i> Timdal	2	
<i>Psorinia conglomerata</i> (Ach.) Gotth.Schneid.	4	
<i>Psoroma paleaceum</i> (Fr.) Timdal & Tønsberg	1	Arctic Iceland
<i>Punctelia stictica</i> (Duby) Krog	1	Greenland West
<i>Pycnora leucococca</i> (R.Sant.) R.Sant.	1	Greenland West
<i>Pyrenopsis furfurea</i> (Nyl.) Leight.	3	
<i>Rhizocarpon amphibium</i> (Fr.) Th.Fr.	2	
<i>Rhizocarpon anaperum</i> (Vain.) Vain.	1	Central Canada
<i>Rhizocarpon atroflavescens</i> Lynge	6	
<i>Rhizocarpon caeruleoalbum</i> (Kremp.) Zahlbr.	1	Svalbard
<i>Rhizocarpon cinereonigrum</i> Vain.	2	
<i>Rhizocarpon formosum</i> Oxner	1	Anabar - Olenyek
<i>Rhizocarpon glaucescens</i> (Th.Fr.) Zahlbr.	2	
<i>Rhizocarpon leucopsephum</i> (Nyl.) Zahlbr.	1	Beringian Chukotka
<i>Rhizocarpon parvum</i> Runemark	4	
<i>Rhizocarpon praebadium</i> (Nyl.) Zahlbr.	4	
<i>Rhizocarpon ridescens</i> (Nyl.) Zahlbr.	2	
<i>Rhizocarpon semotulum</i> (Nyl.) Zahlbr.	1	Beringian Chukotka
<i>Rhizocarpon simillimum</i> (Anzi) Lettau	2	
<i>Rhizocarpon subgeminatum</i> Eitner	4	
<i>Rhizocarpon submodestum</i> (Vain.) Vain.	2	

Name of species	Number of regions where the species occurs	Single region
<i>Rimularia psephota</i> (Tuck.) Hertel & Rambold	2	
<i>Rinodina balanina</i> (Wahlenb.) Vain.	7	
<i>Rinodina castanomela</i> (Nyl.) Arnold	1	Greenland West
<i>Rinodina consocians</i> H.Magn.	1	Taimyr
<i>Rinodina exiguella</i> H.Magn.	1	Taimyr
<i>Rinodina jenisejensis</i> H.Magn.	1	Taimyr
<i>Rinodina orcularia</i> H.Mayrhofer & Poelt	1	North-Greenland
<i>Rinodina sibirica</i> H.Magn.	1	Taimyr
<i>Rinodina terrestris</i> Tomin.	3	
<i>Sarcogyne algoviae</i> H.Magn.	2	
<i>Sarcogyne distinguenda</i> Th.Fr.	1	Anabar - Olenyek
<i>Sarcosagium campestre</i> (Fr.) Poetsch & Schied.	1	Beringian Alaska
<i>Schadonia alpina</i> Körb.	1	Greenland West
<i>Schaereria parasemella</i> (Nyl.) Lumbsch	3	
<i>Scoliciosporum intrusum</i> (Th.Fr.) Hafellner	2	
<i>Seiophora contortuplicata</i> (Ach.) Frödén	4	
<i>Solorina embolina</i> Nyl.	2	
<i>Staurothele discedens</i> (Nyl.) Zahlbr.	3	
<i>Staurothele subareolata</i> (Nyl.) Zahlbr.	1	Beringian Chukotka
<i>Staurothele turgidella</i> (Nyl.) Vainio	1	Beringian Chukotka
<i>Stereocaulon saviczii</i> Du Rietz	2	
<i>Stereocaulon sterile</i> (Savicz) Krog	1	Beringian Chukotka
<i>Stereocaulon uliginosum</i> I.M.Lamb	2	
<i>Strigula sychnogonoides</i> (Nitschke) R.C.Harris	2	
<i>Thelenella aeruginosa</i> Vain.	1	Beringian Chukotka
<i>Thelidium antonellianum</i> Bagl. & Carestia	1	Svalbard
<i>Thelidium cataractarum</i> (Hepp) Lönnr.	2	
<i>Thelidium pertusurum</i> (Nyl.) Zahlbr.	1	Beringian Chukotka
<i>Thelidium umbrosum</i> A.Massal.	2	
<i>Thelocarpon tichomirovii</i> Oxner	1	Anabar - Olenyek
<i>Thelopsis melathelia</i> Nyl.	3	
<i>Toninia opuntioides</i> (Vill.) Timdal	2	
<i>Toninia subaromatica</i> (Vain.) H.Olivier	1	Taimyr
<i>Trimmatothele perquisita</i> (Norman) Norman ex Zahlbr.	1	Greenland West
<i>Umbilicaria lyngei</i> Schol.	16	
<i>Umbilicaria scholanderi</i> (Llano) Krog	3	
<i>Usnea sphacelata</i> R.Br.	13	
<i>Verrucaria naeviformis</i> Vain.	1	Beringian Chukotka
<i>Verrucaria ossiseda</i> Lynge	3	
<i>Verrucaria rejecta</i> Th.Fr.	1	Svalbard

**Table 4 List of synonyms (left column) recently substituted by their valid names (right column).**

<i>Acarospora cartilaginea</i> →	<i>Acarospora fuscata</i>
<i>Acarospora chlorophana</i> →	<i>Pleopsidium chlorophanum</i>
<i>Agyrophora lyngei</i> →	<i>Umbilicaria lyngei</i>
<i>Alectoria nigricans</i>	<i>Gowardia nigricans</i>
<i>Allocetraria ramulosa</i> →	<i>Dactylina ramulosa</i>
<i>Arthonia exilis</i> →	<i>Arthonia apatetica</i>
<i>Arthonia glaucomaria</i> →	<i>Arthonia varians*</i>
<i>Arthonia linitae</i> →	<i>Plectocarpon linitae*</i>
<i>Arthopyrenia sublitorale</i> →	<i>Pyrenocollema sublitorale</i>
<i>Aspicilia alphoplaca</i> →	<i>Lobothallia alphoplaca</i>
<i>Aspicilia alpina</i> →	<i>Bellemerea alpina</i>
<i>Aspicilia bennettii</i> →	<i>Aspicilia mashiginensis</i>
<i>Aspicilia coralloideum</i> →	<i>Lobothallia melanaspis</i>
<i>Aspicilia cupreoatra</i> →	<i>Bellemerea cupreoatra</i>
<i>Aspicilia curvabilis</i> →	<i>Aspicilia zonata</i>
<i>Aspicilia flavida</i> →	<i>Eiglera flavida</i>
<i>Aspicilia litorea</i> →	<i>Aspicilia zonata</i>
<i>Aspicilia mastoidea</i> →	<i>Aspicilia berntii</i>
<i>Aspicilia montana</i> →	<i>Aspicilia simoënsis</i>
<i>Aspicilia morioides</i> →	<i>Clauzadeana macula</i>
<i>Aspicilia myrinii</i> →	<i>Aspicilidea myrinii</i>
<i>Aspicilia nikrapensis</i> →	<i>Aspicilia candida</i>
<i>Aspicilia obscurascens</i> →	<i>Aspicilia zonata</i>
<i>Aspicilia obscurata</i> →	<i>Aspicilia zonata</i>
<i>Aspicilia pleiocarpa</i> →	<i>Aspicilia zonata</i>
<i>Aspicilia subarctica</i> →	<i>Aspicilia zonata</i>
<i>Aspicilia tromsoensis</i> →	<i>Aspicilia zonata</i>
<i>Bacidia carneoalbida</i> →	<i>Mycobilimbia carneoalbida</i>
<i>Bacidia hegetschweileri</i> →	<i>Bacidia vermifera</i>
<i>Bacidia microcarpa</i> →	<i>Myxobilimbia microcarpa</i>

<i>Bacidia pallens</i> →	<i>Biatora pallens</i>
<i>Bacidia populorum</i> →	<i>Arthrosporium populorum</i>
<i>Bacidia sabuletorum</i> →	<i>Mycobilimbia sabuletorum</i>
<i>Bacidia sphaeroides</i> →	<i>Mycobilimbia pilularis</i>
<i>Bacidia subfuscula</i> →	<i>Lecania subfuscula</i>
<i>Bacidina inundata</i> →	<i>Bacidia inundata</i>
<i>Biatora botryosa</i> →	<i>Hertelidea botryosa</i>
<i>Biatora carneoalbida</i> →	<i>Mycobilimbia carneoalbida</i>
<i>Biatora nowajae</i> →	<i>Japewia tornoensis</i>
<i>Biatora turgidula</i> →	<i>Biatora turgidula</i>
<i>Biatorella rubidula</i> →	<i>Protoblastenia cyclospora</i>
<i>Bispora christiansenii</i> →	<i>Intralichen christiansenii*</i>
<i>Bispora lichenum</i> →	<i>Intralichen lichenum*</i>
<i>Bryonora rhypariza</i> →	<i>Bryodina rhypariza</i>
<i>Bryoria pseudofuscescens</i> →	<i>Bryoria implexa</i>
<i>Bryoria trichodes</i> →	<i>Bryoria americana</i>
<i>Buellia adjuncta</i> →	<i>Amandinea adjuncta</i>
<i>Buellia alboatra</i> →	<i>Diplotomma alboatrum</i>
<i>Buellia malmei</i> →	<i>Buellia aethalea</i>
<i>Buellia microplaca</i> →	<i>Buellia ectolechioides</i>
<i>Buellia nivalis</i> →	<i>Diplotomma alboatrum</i>
<i>Buellia nodulosum</i> →	<i>Amandinea coniops</i>
<i>Buellia pulverulenta</i> →	<i>Tetramelas pulverulentus</i>
<i>Buellia punctata</i> →	<i>Amandinea punctata</i>
<i>Buellia stigmathea</i> →	<i>Amandinea punctata</i>
<i>Buellia triphragmia</i> →	<i>Buellia geophila</i>
<i>Caloplaca cinnamomea</i> →	<i>Caloplaca ammiospila</i>
<i>Caloplaca epiphyta</i> →	<i>Caloplaca xanthostigmoidea</i>
<i>Caloplaca festiva</i> →	<i>Caloplaca crenularia</i>
<i>Caloplaca lithophila</i> →	<i>Caloplaca holocarpa</i>
<i>Caloplaca lithophila</i> var.	<i>Caloplaca elaeophora</i>

elaeophora →	
Caloplaca pyracea →	Caloplaca holocarpa
Caloplaca viridirufa →	Caloplaca aractina
Caloplaca stillicidiorum →	Caloplaca cerina
Carbonea intrusa →	Scoliciosporum intrusum
Catapyrenium lachneum →	Placidium lachneum
Catapyrenium michelii →	Placidium michelii
Catapyrenium norvegicum →	Placidium norvegicum
Catapyrenium rufescens →	Placidium rufescens
Catapyrenium squamulosum →	Placidium squamulosum
Catillaria groenlandica →	Lecania fuscelloides
Catillaria jemtlandica →	Megalaria jemtlandica
Catillaria philippea →	Toninia philippea
Catinaria montana →	Catinaria atropurpurea
Cercidispora cephalodiorum →	Collemopsidium cephalodiorum*
Cercidospora lichenicola →	Cercidospora punctillata*
Cercidospora ulothii →	Cercidospora macrospora*
Cetraria tilesii →	Vulpicida tilesii
Cladonia pseudorangiformis →	Cladonia wainioi
Cliostomum pallens →	Biatora pallens
Collemopsidium bryospilum →	Frigidopyrenia bryospila
Collemopsidium sublitorale →	Pyrenocollema sublitorale
Cornicularia divergens →	Bryocaulon divergens
Dactylina madreporiformis →	Allocetraria madreporiformis
Dermatocarpon spitzbergense →	Dermatocarpon polyphyllizum
Diplotomma nivalis →	Diplotomma alboatrum
Echinothecium glabrum →	Sphaerellothecium araneosum*
Fistulariella almquistii →	Ramalina almquistii
Fistulariella roesleri →	Ramalina roesleri
Fuscopannaria leucophaea →	Vahliella leucophaea
Geltingia groenlandiae →	Unguiculariopsis groenlandiae*

Hafellia disciformis →	Buellia disciformis
Helocarpon crassipes →	Micarea crassipes
Huilia macrocarpa →	Porpidia macrocarpa
Hymenelia lacustris →	Ionaspis lacustris
Hypocenomyce leucococca →	Pycnora leucococca
Illosporium corallinum →	Marchandiomyces corallinus*
Immersaria cupreoatra →	Aspicilia cupreoatra
Ionaspis melanocarpa →	Hymenelia melanocarpa
Ionaspis schismatopsis →	Hymenelia heteromorpha
Kiliasia athallina →	Toninia athallina
Lecania alpivaga →	Halecania alpivaga
Lecania arctica →	Caloplaca diphyodes
Lecania cyrtellina →	Lecania cyrtella
Lecania thalloiphila →	Halecania alpivaga
Lecanora achariana →	Protoparmeliopsis achariana
Lecanora badia →	Protoparmelia badia
Lecanora bennettii →	Aspicilia mashiginensis
Lecanora beringii →	Lecanora hagenii var. fallax
Lecanora coilocarpa →	Lecanora circumborealis
Lecanora fuliginosa →	Lecanora argentata
Lecanora grantii →	Lecanora xylophila
Lecanora hagenii var. saxifragarum →	Lecanora hagenii var. fallax
Lecanora lesleyana →	Aspicilia lesleyana
Lecanora leucophaeoides →	Miriquidica leucophaea
Lecanora muralis →	Protoparmeliopsis muralis
Lecanora occidentalis →	Lecanora argopholis
Lecanora palanderi →	Lecanora zosterae
Lecanora raesaenenii →	Lecanora expersa
Lecanora superfluens →	Lecanora geophila
Lecidea aglaeida →	Calvitimela aglaea



Lecidea albohyalina →	Biatora albohyalina
Lecidea arctogena →	Calvitimela melaleuca
Lecidea armeniaca →	Calvitimela armeniaca
Lecidea assimilata →	Micarea assimilata
Lecidea atrofulva →	Miriquidica atrofulva
Lecidea berengeriana →	Mycobilimbia berengeriana
Lecidea botryosa →	Hertelidea botryosa
Lecidea caesioatra →	Frutidella caesioatra
Lecidea carbonoidea →	Immersaria carbonoidea
Lecidea cheiloplaca →	Miriquidica deusta
Lecidea cinnabarina →	Pyrrhospora cinnabarina
Lecidea circumnigrata →	Miriquidica pulvinatula
Lecideea collodea →	Lecidea epiphaea
Lecidea conferenda →	Adelolecia kolaensis
Lecidea cuprea →	Biatora cuprea
Lecidea furvella →	Rimularia furvella
Lecidea garovaglii →	Miriquidica garovaglii
Lecidea glaucophaea →	Porpidia rugosa
Lecidea helvola →	Biatora helvola
Lecidea hypnorum →	Mycobilimbia hypnorum
Lecidea hypopta →	Lecanora hypopta
Lecidea impavida →	Rimularia impavida
Lecidea konyamensis →	Miriquidica leucophaeoides
Lecidea lenensis →	Calvitimela aglaea
Lecidea leptoboloides →	Lecidea laboriosa
Lecidea leucophaea →	Miriquidica leucophaea
Lecidea limosa →	Protomicarea limosa
Lecidea lulensis →	Miriquidica lulensis
Lecidea marginata →	Lecanora marginata
Lecidea melapsepha →	Cecidonia xenophana*
Lecidea nowajae →	Japewia tornoensis

Lecidea pallida →	Pilophorus dovrensis
Lecidea parasemella →	Schaereria parasemella
Lecidea paupercula →	Lecidea praenubila
Lecidea polycocca →	Lecidea kajanita
Lecidea purissima →	Lecanora marginata
Lecidea subduplex →	Biatora subduplex
Lecidea sublimosa →	Megalaria jemtlandica
Lecidea subtristiuscula →	Miriquidica leucophaeoides
Lecidea tenebricans →	Miriquidica complanata
Lecidea tornoënsis →	Japewia tornoensis
Lecidea ultima →	Cephalophysia leucospila
Lecidea vorticosa →	Carbonea vorticosa
Lecidella alaiensis →	Lecidella patavina
Lecidella inamoena →	Lecidella patavina
Lecidella lecanoricola →	Lecanora lecanoricola*
Lecidella spitzbergensis →	Lecidella patavina
Leciographa muscigenae →	Tetramelas pulverulentus
Lepraria arctica →	Lepraria vouauxii
Leptogium minutissimum →	Leptogium subtile
Llimoniella stereocaulorum →	Rhymbocarpus stereocaulorum*
Melanelia elegantula →	Melanohalea elegantula
Melanelia exasperata →	Melanohalea exasperata
Melanelia exasperatula →	Melanohalea exasperatula
Melanelia fuliginosa →	Melanelixia fuliginosa
Melanelia incolorata →	Melanohalea elegantula
Melanelia infumata →	Melanohalea infumata
Melanelia olivacea →	Melanohalea olivacea
Melanelia olivaceoides →	Melanohalea olivaceoides
Melanelia septentrionalis →	Melanohallea septentrionalis
Melanelia subaurifera →	Melanelixia subaurifera
Melanolecia jurana →	Farnoldia jurana

Merismatium lopadii →	Merismatium nigrtellum*
Micarea crassipes →	Helocarpon crassipes
Mycobilimbia accedens →	Myxobilimbia accedens
Mycobilimbia lurida →	Romjularia lurida
Mycobilimbia microcarpa →	Myxobilimbia microcarpa
Mycobilimbia obscurata →	Mycobilimbia tetramera
Nectriella ornamentata →	Pronectria ornamentata*
Neofuscelia loxodes →	Xanthoparmelia loxodes
Neofuscelia pulla →	Xanthoparmelia pulla
Neofuscelia verruculifera →	Xanthoparmelia verruculifera
Nesolechia oxyspora →	Phacopsis oxyspora*
Neuropogon sphacelatus →	Usnea sphacelata
Neuropogon sulphureus →	Usnea sphacelata
Ochrolechia gonatodes →	Ochrolechia frigida
Ochrolechia lapuënsis →	Ochrolechia frigida
Orphniospora atrata →	Orphniospora moriopsis
Pachyospora verrucosa →	Megaspora verrucosa
Pannaria microphylla →	Vahliella leucophaea
Parmelia almquistii →	Allantoparmelia almquistii
Parmelia alpicola →	Allantoparmelia alpicola
Parmelia sibirica →	Allantoparmelia sibirica
Pertusaria solitaria →	Pertusaria cribellata
Polyblastia gelatinosa →	Agonimia gelatinosa
Polycoccum galligenum →	Polycoccum pulvinatum*
Polycoccum gelidarium →	Roselliniopsis gelidaria*
Polyschistes nivalis →	Diplotomma alboatrum
Polysporina lapponica →	Sarcogyne lapponica
Porina chlorotica →	Pseudosagedia chlorotica
Porpidia glaucophaea →	Porpidia rugosa
Porpidia musiva →	Porpidia cinereoatra
Pronectria ornamentata →	Xenonectriella ornamentata

<i>Protoblastenia globulificans</i> →	<i>Protoblastenia cyclospora</i>
<i>Protoparmelia picea</i> →	<i>Protoparmelia badia</i>
<i>Psora elenkinii</i> →	<i>Psora himalayana</i>
<i>Psora lurida</i> →	<i>Mycobilimbia lurida</i>
<i>Pyrenopsidium granuliforme</i> →	<i>Cryptothele granuliformis</i>
<i>Pyrrhospora elabens</i> →	<i>Ramboldia elabens</i>
<i>Rhizocarpon crystalligenum</i> →	<i>Rhizocarpon superficiale</i>
<i>Rhizocarpon occidentale</i> →	<i>Rhizocarpon superficiale</i>
<i>Rhizocarpon riparium</i> →	<i>Rhizocarpon geographicum</i> s.lat.
<i>Rinodina arctica</i> →	<i>Rinodina archaea</i>
<i>Rinodina hyperborea</i> →	<i>Rinodina septentrionalis</i>
<i>Rinodina lecideoides</i> →	<i>Rinodina archaea</i>
<i>Rinodina occidentalis</i> →	<i>Rinodina calcigena</i>
<i>Rosellinella frustulosae</i> →	<i>Rosellinula frustulosae</i> *
<i>Sarcogyne lapponica</i> →	<i>Polysporina lapponica</i>
<i>Sarcogyne simplex</i> →	<i>Polysporina simplex</i>
<i>Schaereria tenebrosa</i> →	<i>Schaereria fuscocinerea</i>
<i>Scutula epicladonia</i> →	<i>Arthonia epicladonia</i> *
<i>Segestria mammillosa</i> →	<i>Porina mammillosa</i>
<i>Staurothele perradiata</i> →	<i>Staurothele drummondii</i>
<i>Stigmidium glebarum</i> →	<i>Stigmidium tabacinae</i> *
<i>Teloschistes contortuplicatus</i> →	<i>Seiophora contortuplicata</i>
<i>Tephromela armeniaca</i> →	<i>Calvitimela armeniaca</i>
<i>Tephromela testaceoatra</i> →	<i>Calvitimela melaleuca</i>
<i>Thelidium acrotellum</i> →	<i>Thelidium minutulum</i>
<i>Tichothecium pygmaeum</i> →	<i>Muellerella pygmaea</i> s.lat.*
<i>Toninia caeruleonigricans</i> →	<i>Toninia sedifolia</i>
<i>Toninia cumulata</i> →	<i>Stereocaulon cumulatum</i>
<i>Toninia lobulata</i> →	<i>Myxobilimbia lobulata</i>
<i>Trichothelium chloroticum</i> →	<i>Pseudosagedia chlorotica</i>
<i>Tuckermanopsis sepincola</i> →	<i>Cetraria sepincola</i>

Usnea sulphurea →	Usnea sphacelata
Verrucaria convexa →	Pyrenula convexa
Verrucaria marginata var. convexa →	Pyrenula convexa
Verrucaria microthelia →	Roselliniella microthelia
Verrucaria peloclitia →	Verrucaria pinguicula
Verrucaria punctillata →	Cercidospora punctillata*
Verrucaria subumbrinula →	Verrucaria naeviformis
Verrucaria tartaricola →	Weddellomyces tartaricola*
Wentomyces peltigericola →	Raciborskiomyces peltigericola*
Xanthoparmelia centrifuga →	Arctoparmelia centrifuga
Xanthoparmelia incurva →	Arctoparmelia incurva
Xanthoria borealis →	Xanthomendoza borealis