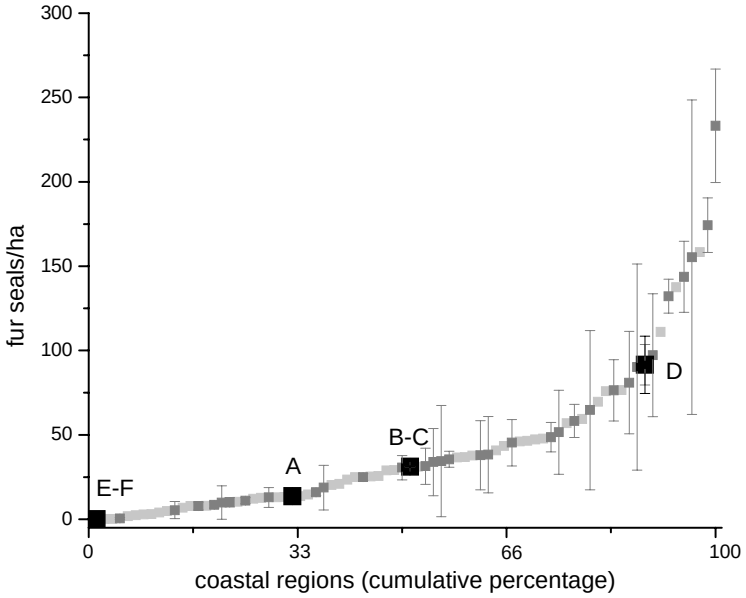
SUPPLEMENTARY MATERIALS

1) *Fur seal abundance along the coasts of Signy Island.*

Detailed census of fur seals along the Signy coasts has been undertaken annually since 1977, counts being made in defined coastal regions in late February. Macroplots A–D were established in coastal regions which displayed different levels of animal density in the census undertaken in late February 2008 and 2009 (A = 14 individuals/ha$_{2009}$, B-C = 31 ± 0 individuals/ha $_{av..\pm se\ 2008\text{-}2009}$, D = 92 ± 12 individuals/ha $_{av..\pm se\ 2008\text{-}2009}$). Although a high degree of variability characterizes the numbers of fur seals observed in the different regions in all years, local counts and data from the whole-island census are correlated (Waluda *et al.* 2010). Accordingly, as counts through the overall surveyed regions ranged from 0 ± 0 to 233 ± 37 individuals/ha $_{av.2008\text{-}2009}$ and the total average count was 43 ± 5 individuals/ha $_{av.2008\text{-}2009}$, the regions where the plots were established are confidently representative of a low (A), medium (B-C) and high (C) animal pressure (Fig. **a**).

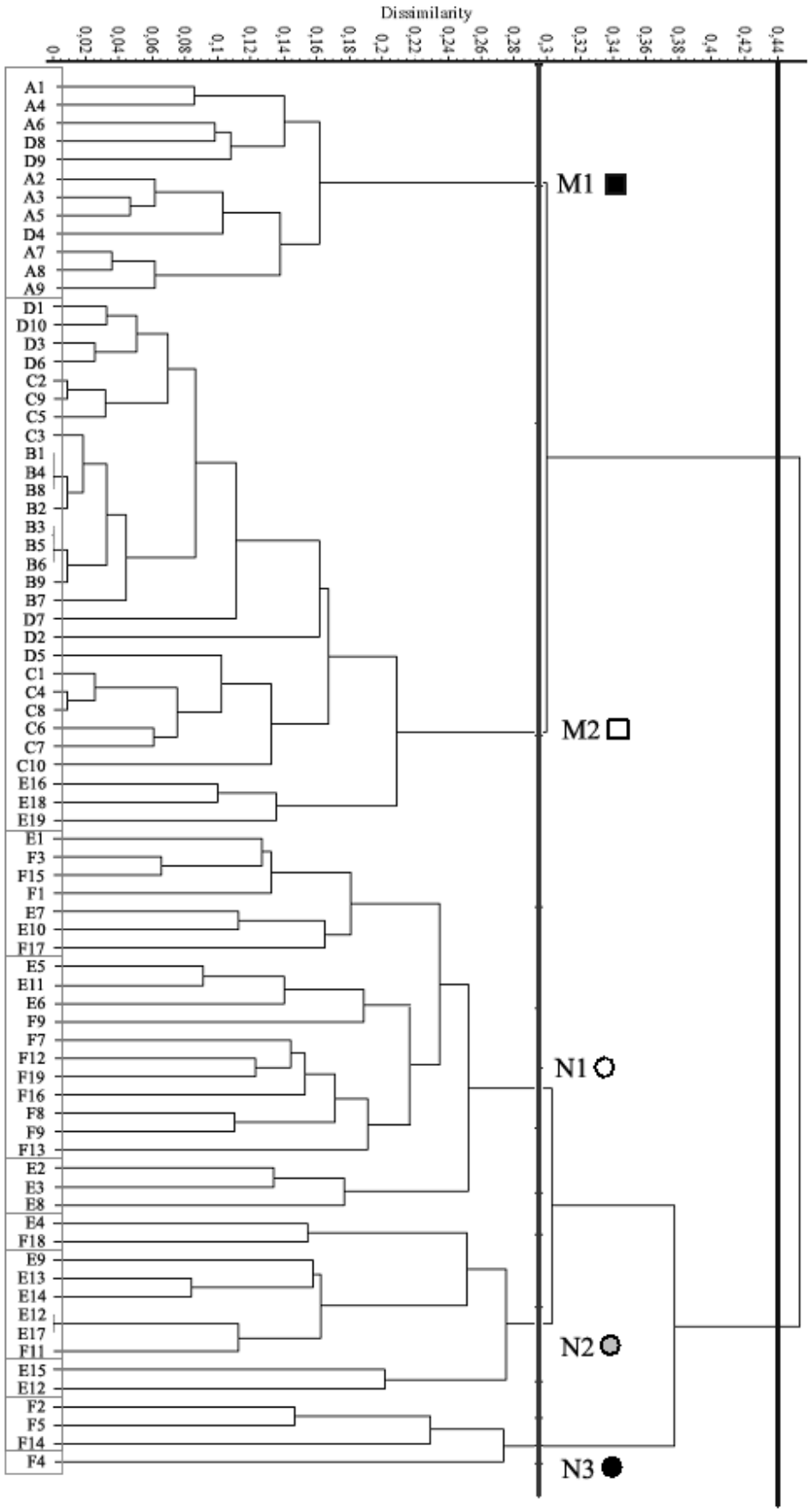


a. Data from the detailed census of fur seals undertaken in late February 2008 and/or 2009 in Signy coastal regions (dots) (D.R. Briggs, personal communication 2009). Light grey dots indicate regions for which only one datum is available; dark grey dots indicate regions for which data from the two census are available and reported as mean ± standard error. Regions including the investigated macroplots (A–F) are displayed as black dots.

Information on data accession is available at: http://www.antarctica.ac.uk/dms/full-record.php?id=GB/NERC/BAS/AEDC/00322.

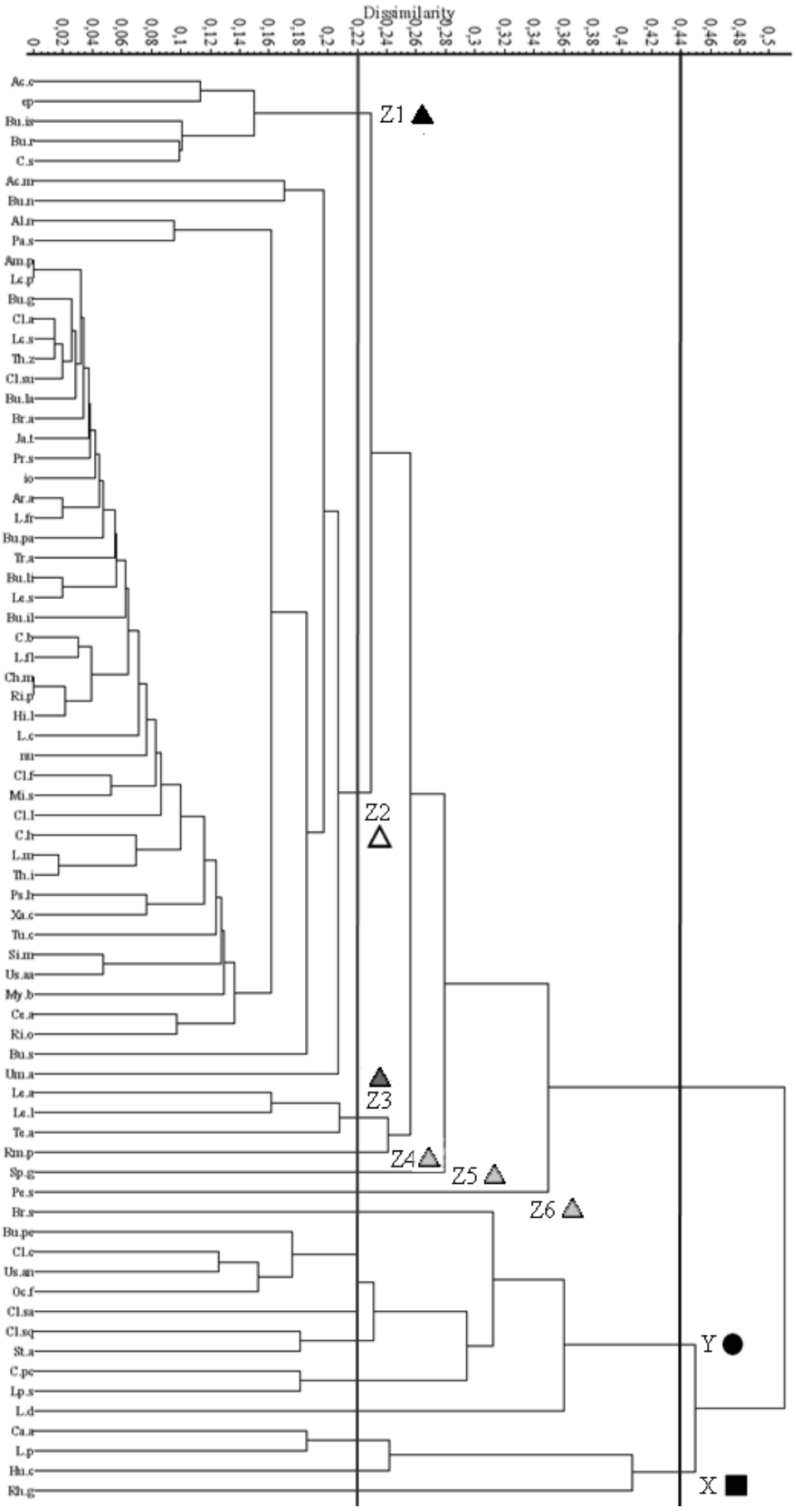
2) *Classification of subplots with reference to the specific cover data*

UPGMA, weighted dissimilarity as resemblance measure, no standardization, arbitrary resolution of ties, 0.44 and 0.30 dissimilarity as cut levels.



3) *Classification of species with reference to the cover data through the overall surveyed plots*

UPGMA, weighted dissimilarity as resemblance measure, no standardization, arbitrary resolution of ties, 0.44 and 0.22 dissimilarity as cut levels.



4) *CCA scores*

(4a) CCA scores calculated without downweighting of species having frequency < 10%.

Axes	1	2	3	4	Sum	Total inertia
Eigenvalues	0.729	0.447	0.303	0.150	1.629	7.255
Species-environmental correlations	0.966	0.930	0.833	0.664	3.393	
Cumulative percentage of variance						
- of species data	10.0	16.2	20.4	22.4		
- of species-environmental relation	39.3	63.3	79.7	87.7		

Monte Carlo Test	F-ratio	P-value
Test of significance of the first canonical axis	7.373	0.0020
Test of significance of all canonical axis	3.782	0.0020

Inflation factor (VIF) **Marginal and conditional effects**	VIF	λ1	λA	F-value	P-value
Slope (SL)	4.8402	0.26	0.26	3.02	0.002
Fur seal pressure (FS)	2.3371	0.62	0.62	6.64	0.002
Surface stoniness (BL)	1.1583	0.27	0.21	2.47	0.012
Nitrogen content (N)	1.4920	0.42	0.39	4.35	0.002
C/N ratio (CN)	2.2663	0.45	0.22	2.59	0.002
pH	4.6113	0.33	0.16	1.97	0.048

Weighted correlation matrix	SL	FS	BL	N	CN	pH
Axis 1	-0.2723	**0.9108**	0.2370	0.2899	-0.6014	0.4312
Axis 2	-0.0680	-0.0238	0.0619	**-0.8804**	-0.3712	0.3534
Axis 3	**0.6936**	0.0317	**-0.7508**	-0.0934	-0.5595	-0.4801
Axis 4	-0.5977	-0.1324	-0.5790	0.0046	0.3003	0.4351
SL	1.0000					
FS	-0.0364	1.0000				
BL	-0.2784	0.2066	1.0000			
N	-0.1893	0.1402	0.1361	1.0000		
CN	-0.3907	**-0.5845**	0.0357	0.2000	1.0000	
pH	**-0.8183**	0.2402	0.1982	-0.0649	0.1538	1.0000

(4b) CCA scores calculated with downweighting of species having frequency < 10%.

Axes	1	2	3	4	Sum	Total inertia
Eigenvalues	0.709	0.388	0.278	0.119	1.494	5.292
Species-environmental correlations	0.962	0.899	0.809	0.696	3.366	
Cumulative percentage of variance						
- of species data	13.4	20.7	26.0	28.2		
- of species-environmental relation	44.3	68.6	85.9	93.4		

Monte Carlo Test	F-ratio	P-value
Test of significance of the first canonical axis	10.202	0.0020
Test of significance of all canonical axis	4.765	0.0020

Inflation factor (VIF) **Marginal and conditional effects**	VIF	λ1	λA	F-value	P-value
Slope (SL)	5.0330	0.23	0.24	3.91	0.002
Fur seal pressure (FS)	2.3506	0.60	0.60	9.01	0.002
Surface stoniness (BL)	1.1775	0.24	0.17	2.99	0.002
Nitrogen content (N)	1.4603	0.37	0.33	5.41	0.002
C/N ratio (CN)	2.2735	0.41	0.17	3.01	0.002
pH	4.7627	0.28	0.09	1.59	0.082

Weighted correlation matrix	SL	FS	BL	N	CN	pH
Axis 1	-0.2695	**0.9123**	0.2495	0.2849	-0.5922	0.4396
Axis 2	-0.0628	-0.0152	0.0316	**-0.8873**	-0.3784	0.3180
Axis 3	**0.7141**	0.0487	**-0.7383**	-0.0939	-0.5478	-0.4566
Axis 4	-0.5333	-0.0745	-0.5815	0.0257	0.4201	0.5971
SL	1.0000					
FS	-0.0328	1.0000				
BL	-0.2847	0.2104	1.0000			
N	-0.1924	0.1314	0.1532	1.0000		
CN	-0.4046	**-0.5807**	0.0365	0.2010	1.0000	
pH	**-0.8225**	0.2472	0.1920	-0.0508	0.1673	1.0000

5) Relevés: summary of data for (I) the overall survey, (II-III) fur seal and control areas, (IV) different macroplots, (V) different subplots. Abbreviations in the first left column and at the end of the tables.

Plots				I - Total					II - Fur seal areas (A-D)					III - Control areas (E-F)				
Number of relevés (NR)				76					38					38				
Slope (SL, %)				8,6					8,9					9,2				
Exposition (EX)				~ N					~ N					~ N				
Boulders, cobbles, coarse gravel (BL, %)				22,9					22,4					20,7				
Fine gravel and sand (soil s.l.) (GS, %)				37,8					77,3					0,8				
Moss-covered soil (MC, %))				39,3					0,0					78,5				
Vegetation cover (VC, %, including the following 4 *taxa* and lichens)				78,7					69,4					98,2				
Prasiola crispa (Lighfoot) Kützing (P.c., cover %)				22,7					55,6					0,4				
Bryophyta (Br., cover %)				37,4					1,5					73,1				
Deschampsia antarctica Desv. (D.a., cover %)				2,3					0,0					3,6				
Basidiomycota (Bas, cover %)				0,0					0,0					0,0				
Lichens																		
Total cover (%)				16,33					12,2					21,1				
Alpha diversity (species richness)				74					40					47				
Rocks																		
Saxicolous lichen cover (SLC, %)				13,8					11,9					16,3				
Lichen-covered rock surfaces (LRS, %)				59,1					44,5					77,2				
	abb.	cl.	w.d.		n[a]	%[b]	%[c]	%[d]	%[e]	n[a]	%[b]	%[c]	%[d]	%[e]	n[a]	%[b]	%[c]	%[d]	%[e]
Acarospora convoluta Darb.	Ac.c	Z1	E	§	11	0,197	0,032	0,234	0,141	9	0,537	0,066	0,550	0,294	2	0,012	0,003	0,016	0,013
Acarospora macrocylos Vain.	Ac.m	Z2	E	§	12	1,237	0,202	1,466	0,883	7	0,514	0,063	0,527	0,281	5	1,630	0,345	2,120	1,667
cfr. *Bryonora* sp.	Br.s	Y	-	#	20	1,804	0,295	2,139	1,288	0	0,000	0,000	0,000	0,000	20	**2,787**	0,589	3,625	2,850
Buellia cfr. *granulosa* (Darb.) C.W. Dodge	Bu.g	Z2	E		1	0,004	0,001	0,005	0,003	1	0,011	0,001	0,012	0,006	0	0,000	0,000	0,000	0,000
Buellia illaetabilis I.M. Lamb.	Bu.il	Z2	E	*	2	0,161	0,026	0,191	0,115	0	0,000	0,000	0,000	0,000	2	0,249	0,053	0,324	0,254
Buellia isabellina (Hue) Darb.	Bu.is	Z1	E	§	15	**6,775**	1,107	8,031	4,836	15	**19,210**	2,352	19,689	10,521	0	0,000	0,000	0,000	0,000
Buellia latemarginata Darb.	Bu.la	Z2	E	§	1	0,004	0,001	0,005	0,003	0	0,000	0,000	0,000	0,000	1	0,006	0,001	0,008	0,006
Buellia lignoides Filson	Bu.li	Z2	E	*	1	0,004	0,001	0,005	0,003	0	0,000	0,000	0,000	0,000	1	0,006	0,001	0,008	0,006
Buellia nelsonii Darb.	Bu.n	Z2	E		6	0,338	0,055	0,401	0,242	0	0,000	0,000	0,000	0,000	6	0,523	0,111	0,680	0,534
Buellia cfr. *papillata* (Sommerf.) Tuck.	Bu.pa	Z2	Bip	*	1	0,004	0,001	0,005	0,003	0	0,000	0,000	0,000	0,000	1	0,006	0,001	0,008	0,006
Buellia perlata (Hue) Darb.	Bu.pe	Y	E		35	**14,359**	2,345	17,022	10,250	0	0,000	0,000	0,000	0,000	35	**22,181**	4,691	28,845	22,678
Buellia russa (Hue) Darb.	Bu.r	Z1	E	§	28	**12,329**	2,014	14,615	8,801	28	**34,959**	4,281	35,832	19,146	0	0,000	0,000	0,000	0,000
Buellia subpedicellata (Hue) Darb.	Bu.s	Z2	E		18	**2,598**	0,424	3,080	1,855	18	**7,366**	0,902	7,550	4,034	0	0,000	0,000	0,000	0,000
Caloplaca cfr. *buelliae* Olech & Søchting	C.b	Z2	E		3	0,012	0,002	0,014	0,009	3	0,034	0,004	0,035	0,019	0	0,000	0,000	0,000	0,000
Caloplaca holocarpa (Hoffm.) Wade	C.h	Z2	Bip		5	0,020	0,003	0,024	0,014	5	0,057	0,007	0,059	0,031	0	0,000	0,000	0,000	0,000
Caloplaca sublobulata (Nyl.) Zahlbr.	C.s	Z1	SSH	§	15	0,213	0,035	0,253	0,152	15	0,605	0,074	0,620	0,332	0	0,000	0,000	0,000	0,000
Carbonea assentiens (Nyl.) Hertel	Ca.a	X	E_sub		39	**14,033**	2,292	16,635	10,017	12	**15,532**	1,902	15,920	8,507	27	**13,216**	2,795	17,186	13,511
Himantormia lugubris (Hue) I.M. Lamb.	Hi.l	Z2	E		2	0,008	0,001	0,010	0,006	1	0,011	0,001	0,012	0,006	1	0,006	0,001	0,008	0,006
Huea coralligera (Hue) C.W. Dodge & G.E. Baker	Hu.c	X	E	§	37	**5,268**	0,861	6,245	3,761	8	**2,981**	0,365	3,055	1,633	29	**6,514**	1,378	8,472	6,660
Lecanora dancoensis Vain.	L.d	Y	E		26	**6,062**	0,990	7,186	4,327	2	**1,610**	0,197	1,651	0,882	24	**8,487**	1,795	11,036	8,677
Lecanora flotowiana Spreng.	L.fl	Z2	Cos	§	3	0,012	0,002	0,014	0,009	3	0,034	0,004	0,035	0,019	0	0,000	0,000	0,000	0,000
Lecanora cfr. *frustulosa* (Dicks.) Ach.	L.fr	Z2	Bip	*	2	0,008	0,001	0,010	0,006	2	0,023	0,003	0,023	0,013	0	0,000	0,000	0,000	0,000
Lecanora mons-nivis Darb.	L.m	Z2	E	*	4	0,016	0,003	0,019	0,012	4	0,046	0,006	0,047	0,025	0	0,000	0,000	0,000	0,000
Lecanora polytropa (Hoffm.) Rabenh.	L.p	X	Bip	§	50	**8,575**	1,401	10,165	6,121	19	**5,756**	0,705	5,900	3,152	31	**10,111**	2,138	13,148	10,337
cfr. "*Lecanora*" sp. C	L.c	Z2	E	*	6	1,051	0,172	1,246	0,750	6	**2,981**	0,365	3,055	1,633	0	0,000	0,000	0,000	0,000
Lecidea atrobrunnea (Ramond.) Schaer.	Le.a	Z3	Bip	*	8	0,894	0,146	1,060	0,638	0	0,000	0,000	0,000	0,000	8	1,381	0,292	1,796	1,412
Lecidea lapicida (Ach.) Ach.	Le.l	Z3	Cos		10	0,669	0,109	0,793	0,477	0	0,000	0,000	0,000	0,000	10	1,033	0,218	1,343	1,056
Lecidea spheniscidarum Hertel	Le.s	Z2	E	§	2	0,242	0,039	0,286	0,173	0	0,000	0,000	0,000	0,000	2	0,373	0,079	0,485	0,382
Lecidella patavina (A. Massal.) Knoph & Leuckert	Lc.p	Z2	Bip	§	1	0,004	0,001	0,005	0,003	1	0,011	0,001	0,012	0,006	0	0,000	0,000	0,000	0,000
Lecidella siplei (C.W. Dodge & G.E. Baker) May. Inoue	Lc.s	Z2	E		1	0,242	0,039	0,286	0,173	1	0,685	0,084	0,702	0,375	0	0,000	0,000	0,000	0,000
cfr. *Micarea* sp.	Mi.s	Z2	-	#	2	0,242	0,039	0,286	0,173	0	0,000	0,000	0,000	0,000	2	0,373	0,079	0,485	0,382
Mycobilimbia sp. B	My.b	Z2	E_sub		6	0,177	0,029	0,210	0,127	5	0,491	0,060	0,503	0,269	1	0,006	0,001	0,008	0,006
Pertusaria signyae Øvstedal	Pe.s	Z6	E		17	1,329	0,217	1,576	0,949	7	0,080	0,010	0,082	0,044	10	2,010	0,425	2,613	2,055
Rhizocarpon geographicum (L.) DC.	Rh.g	X	Cos		21	0,548	0,089	0,649	0,391	9	0,320	0,039	0,328	0,175	12	0,672	0,142	0,874	0,687
Rimularia psephota (Tuck.) Hertel & Rambold	Rm.p	Z4	Bip	*	12	1,228	0,201	1,456	0,877	0	0,000	0,000	0,000	0,000	12	1,898	0,401	2,468	1,940
Rinodina peloleuca (Nyl.) Müll. Arg.	Ri.p	Z2	SSH		1	0,004	0,001	0,005	0,003	1	0,011	0,001	0,012	0,006	0	0,000	0,000	0,000	0,000
Tephromela atra (Huds.) Hafellner ex Calb.	Te.a	Z3	Cos		11	0,822	0,134	0,974	0,587	0	0,000	0,000	0,000	0,000	11	1,269	0,268	1,651	1,298
Thelidium incavatum Mudd	Th.i	Z2	Bip		5	0,020	0,003	0,024	0,014	5	0,057	0,007	0,059	0,031	0	0,000	0,000	0,000	0,000
cfr. *Thelidium zwackhii* (Hepp) A.Massal.	Th.z	Z2		#	1	0,004	0,001	0,005	0,003	1	0,011	0,001	0,012	0,006	0	0,000	0,000	0,000	0,000
Trimmatothelopsis antarctica C.W. Dodge	Tr.a	Z2	E	*	6	0,411	0,067	0,487	0,293	6	1,165	0,143	1,194	0,638	0	0,000	0,000	0,000	0,000
Turgidosculum complicatulum (Nyl.) J. Kohlm. & E. Kohlm.	Tu.c	Z2	Bip	§	8	0,189	0,031	0,224	0,135	8	0,537	0,066	0,550	0,294	0	0,000	0,000	0,000	0,000
Umbilicaria antarctica Frey & I.M. Lamb	Um.a	Z2	E		8	0,032	0,005	0,038	0,023	2	0,023	0,003	0,023	0,013	6	0,037	0,008	0,049	0,038
Usnea antarctica Du Rietz	Us.an	Y	SSH		23	0,802	0,131	0,950	0,572	0	0,000	0,000	0,000	0,000	23	1,238	0,262	1,610	1,266
Usnea aurantiaco-atra (Jacq.) Bory	Us.aa	Z2	SSH		7	0,028	0,005	0,033	0,020	7	0,080	0,010	0,082	0,044	0	0,000	0,000	0,000	0,000
epsilon: sterile crustose: white-yellowish thallus	ep	Z1	-		6	0,814	0,133	0,964	0,581	6	**2,307**	0,282	2,365	1,264	0	0,000	0,000	0,000	0,000
iota: sterile crustose with dark-grey thallus	io	Z2	-		1	0,161	0,026	0,191	0,115	0	0,000	0,000	0,000	0,000	1	0,249	0,053	0,324	0,254
nu: pinkish crustose with sterile black apothecia	nu	Z2	-		2	0,403	0,066	0,477	0,288	0	0,000	0,000	0,000	0,000	2	0,622	0,132	0,809	0,636
Soil																			
Terricolous lichen cover (TLC, %)				2,6					0,3					4,9				
Lichen-covered soil/mosses (LSM, %)				4,1					0,4					7,8				
		cl.	w.d.		n[a]	%[b]	%[c]	%[d]	%[e]	n[a]	%[b]	%[c]	%[d]	%[e]	n[a]	%[b]	%[c]	%[d]	%[e]
Alectoria nigricans (Ach.) Nyl.	Al.n	Z2	Bip		4	0,093	0,015	0,592	0,020	0	0,000	0,000	0,000	0,000	4	0,143	0,030	0,619	0,038
Amandinea punctata (Hoffm.) Coppins & Scheid.	Am.p	Z2	Bip		1	0,004	0,001	0,026	0,001	1	0,011	0,001	0,469	0,002	0	0,000	0,000	0,000	0,000
cfr. *Arthrorhaphis alpina* (Schaer.) R.Sant.	Ar.a	Z2	Bip	*	2	0,008	0,001	0,051	0,002	2	0,023	0,003	0,938	0,004	0	0,000	0,000	0,000	0,000
Bryoria implexa (Hoffm.) Brodo & D. Hawksw.	Br.a	Z2	E		1	0,004	0,001	0,026	0,001	0	0,000	0,000	0,000	0,000	1	0,006	0,001	0,027	0,002
Cetraria aculeata (Schreb.) Fr.	Ce.a	Z2	Bip		5	0,097	0,016	0,618	0,021	0	0,000	0,000	0,000	0,000	5	0,149	0,032	0,646	0,040
Chromatochlamys muscorum (Fr.) H. Mayrhofer & Poelt	Ch.m	Z2	Bip	*	1	0,004	0,001	0,026	0,001	1	0,011	0,001	0,469	0,002	0	0,000	0,000	0,000	0,000
Cladonia asahinae J.W. Thomson	Cl.a	Z2	Bip		1	0,004	0,001	0,026	0,001	0	0,000	0,000	0,000	0,000	1	0,006	0,001	0,027	0,002
Cladonia carneola (Fr.) Fr.	Cl.pc	Y	Bip		26	1,116	0,182	7,132	0,237	0	0,000	0,000	0,000	0,000	26	1,768	0,374	7,652	0,471
Cladonia pleurota (Flörke) Schaer.			Cos				0,000	0,000	0,000			0,000	0,000	0,000			0,000		0,000
Cladonia gr. *chlorophaea* s.l. ± *Cladonia* gr. *pyxidata* s.l.	Cl.c	Y	Cos		14	0,991	0,162	6,334	0,210	1	0,228	0,028	9,379	0,036	13	1,406	0,297	6,087	0,375
Cladonia fimbriata (L.) Fr.	Cl.f		Cos		3	0,012	0,002	0,077	0,003	0	0,000	0,000	0,000	0,000	3	0,019	0,004	0,081	0,005
Cladonia sarmentosa (Hook f. & Taylor) C.W. Dodge	Cl.sa	Y	SSH		19	**2,912**	0,476	18,615	0,618	0	0,000	0,000	0,000	0,000	19	**4,499**	0,951	19,472	1,199
Cladonia squamosa (Scop.) Hoffm.	Cl.sq	Y	Cos		21	2,441	0,399	15,602	0,518	0	0,000	0,000	0,000	0,000	21	**3,771**	0,797	16,321	1,005
Cladonia subulata (L.) Weber	Cl.su	Z2	Bip		1	0,004	0,001	0,026	0,001	1	0,011	0,001	0,469	0,002	0	0,000	0,000	0,000	0,000
Cladonia sp. (tallo primario)	Cl.l	Z2	-		3	0,169	0,028	1,081	0,036	2	0,023	0,003	0,938	0,004	1	0,249	0,053	1,077	0,066
Japewia tornoensis Tønsberg	Ja.t	Z2	Bip		1	0,004	0,001	0,026	0,001	0	0,000	0,000	0,000	0,000	1	0,006	0,001	0,027	0,002
Lepraria caesioalba (De Lesd.) J.R. Laundon			Bip																
Lepraria straminea Vain.	Lp.s	Y	E		18	2,143	0,350	13,697	0,455	1	0,023	0,003	0,953	0,004	17	**3,382**	0,715	14,640	0,901
Leproloma cacuminum (A. Massal.) J.R. Laundon			Cos																
Ochrolechia frigida (Sw.) Lynge	Oc.f	Y	Bip		21	**2,763**	0,451	17,662	0,586	0	0,000	0,000	0,000	0,000	21	**4,268**	0,903	18,476	1,138
Parmelia saxatilis (L.) Ach.	Pa.s	Z2	Cos		7	0,258	0,042	1,648	0,055	0	0,000	0,000	0,000	0,000	7	0,398	0,084	1,724	0,106
Protothelenella sphinctrinoidella (Nyl.) H. Mayrhofer & Poelt	Pr.s	Z2	Bip		1	0,004	0,001	0,026	0,001	0	0,000	0,000	0,000	0,000	1	0,006	0,001	0,027	0,002
Psoroma hypnorum (Vahl) Gray	Ps.h	Z2	Cos		5	0,326	0,053	2,085	0,069	0	0,000	0,000	0,000	0,000	5	0,504	0,107	2,182	0,134
Rinodina olivaceobrunnea C.W. Dodge & G.E. Baker	Ri.o	Z2	Bip		4	0,016	0,003	0,103	0,003	1	0,011	0,001	0,469	0,002	3	0,019	0,004	0,081	0,005
cfr. *Siphulastrum mamillatum* (Hook. F. & Taylor) D.J. Galloway	Si.m	Z2	SSH	*	5	0,568	0,093	3,630	0,120	5	**1,610**	0,197	66,120	0,255	0	0,000	0,000	0,000	0,000
Sphaerophorus globosus (Huds.) Vain.	Sp.g	Z5	Bip		11	0,673	0,110	4,300	0,143	0	0,000	0,000	0,000	0,000	11	1,039	0,220	4,498	0,277
Stereocaulon alpinum Laurer	St.a	Y	Bip		20	1,019	0,166	6,514	0,216	0	0,000	0,000	0,000	0,000	20	1,574	0,333	6,814	0,420
Xanthoria candelaria (L.) Th. Fr.	Xa.c	Z2	Bip		3	0,012	0,002	0,077	0,003	0	0,000	0,000	0,000	0,000	3	0,019	0,004	0,081	0,005

IV - Macroplots	A	B	C	D	E	F	V - Subplots				A (1-9)					B (1-9)									C (1-10)									
NR	9	9	10	10	19	19	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9	10
SL (%)	0,9	7,4	2,6	19,6	0,8	18,1	3	2	1	0	1	1	0	0	0	5	10	7	5	8	7	8	10	7	3	3	3	3	3	3	2	3	3	0
EX							-	-	-	-	-	-	-	-	-	NE	NE	NE	NE	NE	NE	NE	NE	NE	-	-	-	-	-	-	-	-	-	-
BL (%)	24,9	6,1	34,7	32,7	20,9	20,5	20	23	28	18	25	26	29	15	40	5	6	4	7	7	3	11	6	6	45	25	24	30	15	40	48	40	30	50
GS (%)	74,0	93,9	65,3	67,3	1,5	0,2	80	67	72	82	75	74	71	85	60	95	94	96	93	93	97	89	94	94	55	75	76	70	85	60	52	60	70	50
MC (%)	0,0	0,0	0,0	0,0	77,6	79,4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VC (%)	65,1	75,8	67,4	31,0	99,7	96,7	59	70	60	51	72	74	69	83	46	86	75	75	72	70	75	78	65	86	79	75	4,1	71	90	56	72	71	74	81
P.c. (%)	41,7	75,0	50,6	15,7	0,8	0,0	38	47	35	33	36	50	50	66	20	85	75	75	70	70	75	75	65	85	48	70	0	60	80	35	48	55	65	45
Br. (%)	3,4	0,0	1,2	2,1	77,0	69,1	5	6	5	2	6	2	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	12
D.a. (%)	0,0	0,0	0,0	3,7	0,0	7,2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bas (%)	0,0	0,0	0,0	0,0	0,0	0,0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lichens																																		
Total cover (%)	20,0	0,8	15,6	9,5	21,9	20,4	16	17	20	16	30	22	18	15	24	1,1	0,1	0	2	0	0	3,1	0,1	1	31	5	4,1	11	10	21	24	16	9,1	24
Alpha div.	30	4	17	23	35	39	16	20	16	11	13	16	9	10	12	2	1	0	2	0	0	4	2	1	5	2	2	2	5	6	6	3	3	11
Rocks																																		
SLC (%)	19,2	0,8	15,5	9,5	18,2	14,4	15	17	17	16	29	20	18	15	24	1,1	0,1	0	2	0	0	3,1	0,1	1	31	5	4,1	11	10	21	24	16	9,1	23
LRS (%)	80	11	43	32	86	68	77	72	62	90	117	78	63	101	61	21	0,8	0	29	0	0	28	1,7	17	69	20	17	37	67	53	50	40	30	46
abb.	n^a	n^a	n^a	n^a	n^a	n^a	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$
Ac.c	6	0	0	3	2	0	0	0,1	0,1	0	1	1	0	0,1	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ac.m	0	1	4	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0,1	0	0	0	0,1	1	1	0	0	0
Br.s	0	0	0	0	11	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bu.g	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bu.il	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bu.is	9	0	0	6	0	0	9	2	2	10	12	4	10	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bu.la	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bu.li	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bu.n	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bu.pa	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bu.pe	0	0	0	0	18	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bu.r	9	0	9	10	0	0	1	6	3	2	2	2	2	1	2	0	0	0	0	0	0	0	0	0	30	3	0	8	8	6	18	12	5	8
Bu.s	2	5	7	4	0	0	0	0	0,1	0	0	4	0	0	0	0,1	0,1	0	1	0	0	1	0,1	0	0	2	4	0	1	4	3	0	0,1	8
C.b	3	0	0	0	0	0	0,1	0,1	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C.h	5	0	0	0	0	0	0,1	0,1	0	0	0	0,1	0,1	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C.s	6	0	1	8	0	0	0	0,1	0,1	1	0,1	0,1	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1
Ca.a	9	0	0	3	12	15	3	5	8	1	3	6	4	2	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hi.l	1	0	0	0	0	1	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hu.c	6	0	0	2	14	15	0	1	1	0	7	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.d	0	0	2	0	17	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0,1
L.fl	2	0	0	1	0	0	0	0,1	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.fr	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0
L.m	4	0	0	0	0	0	0,1	0	0	0,1	0	0	0,1	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.p	9	0	6	4	16	15	2	1	1	1	3	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	3	0	1	2	0,1	0	5
L.c	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0,1	4	4	2
Le.a	0	0	0	0	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Le.l	0	0	0	0	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Le.s	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lc.p	1	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lc.s	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mi.s	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
My.b	2	0	0	3	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pe.s	4	0	1	2	6	4	0	0,1	0,1	0	0,1	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0
Rh.g	6	0	0	3	7	5	0,1	0,1	0,1	0,1	1	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rm.p	0	0	0	0	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ri.p	1	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Te.a	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Th.i	5	0	0	0	0	0	0,1	0	0	0,1	0	0	0,1	0,1	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Th.z	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0
Tr.a	1	5	0	0	0	0	0	0	0	0	0	0,1	0	0	0	1	0	0	1	0	0	2	0,1	1	0	0	0	0	0	0	0	0	0	0
Tu.c	3	0	0	5	0	0	0	0	0,1	0,1	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Um.a	0	0	1	1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0
Us.an	0	0	0	0	7	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Us.aa	4	1	1	1	0	0	0,1	0,1	0,1	0	0	0,1	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0,1	0	0	0	0	0
ep	6	0	0	0	0	0	0	0	2	0,1	0,1	2	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
io	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
nu	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TLC (%)	0,8	0,0	0,1	0,0	3,7	6,1	1,1	0,1	3	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,2
LMS (%)	1	0	0	0	6	10	1,4	0,1	4,2	0	1,3	2,7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,3
	n^a	n^a	n^a	n^a	n^a	n^a	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$	$\%^f$
Al.n	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Am.p	1	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ar.a	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Br.a	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ce.a	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ch.m	1	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cl.a	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cl.pc	0	0	0	0	12	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0																												
Cl.c	0	0	1	0	5	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Cl.f	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cl.sa	0	0	0	0	4	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cl.sq	0	0	0	0	8	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cl.su	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1
Cl.l	1	0	0	1	1	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ja.t	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	0	8	9																												
Lp.s	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1
	0	0	0	0	0	0																												
Oc.f	0	0	0	0	9	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pa.s	0	0	0	0	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pr.s	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ps.h	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ri.o	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Si.m	5	0	0	0	0	0	1	0,1	3	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sp.g	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
St.a	0	0	0	0	5	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xa.c	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Subplots	D (1-10)										E (1-19)																			F (7-25)																		
NR	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SL (%)	17	5	25	35	17	20	20	20	17	20	4	0	0	0	0	0	0	0	0	2	1	1	0	0	3	4	0	0	0	18	12	18	22	30	13	13	18	35	10	23	18	15	23	18	22	15	0	20
EX	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
BL (%)	22	35	22	70	17	25	65	25	26	20	20	54	36	42	25	26	17	42	15	16	30	13	18	18	7	2	9	2	5	8	2	5	7	0	6	20	20	5	35	30	80	13	3	14	25	15	69	32
GS (%)	78	65	78	30	83	75	35	75	74	80	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	2	0	0	23	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0
MC (%)	0	0	0	0	0	0	0	0	0	0	80	46	64	56	75	74	83	58	85	82	70	87	82	82	93	96	91	98	72	92	98	95	93	100	94	80	80	95	65	70	20	87	97	84	75	85	31	68
VC (%)	9,1	25	32	30	18	26	18	56	45	50	103	96	99	100	105	103	109	98	100	98	98	99	98	102	98	106	104	101	73	98	99	100	99	100	103	89	99	97	97	101	99	102	99	93	101	107	58	94
P.c. (%)	4	20	20	3	5	18	9	10	23	45	0	0	0	0	0	1	0,1	0	0	0,1	0	0,1	0,1	0	0	8	4	1	1	0	0	0	0	0,1	0	0	0	0	0,1	0	0	0,1	0	0	0	0	0	0
Br. (%)	0	1	2	0,1	0	0	4	9	4	1	82	47	56	55	79	63	89	63	87	82	54	87	82	87	93	96	91	98	72	79	79	83	77	84	91	48	70	84	65	71	25	77	81	80	72	63	27	57
D.a. (%)	3	0,1	1	7	9	0,1	0,1	15	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	12	3	0	13	8	20	8	2	1	2	0,1	14	3	0	2	29	3	3
Bas (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0
Lichens																																																
Total cover (%)	2,1	4,2	9,1	20	4,2	8,1	5,2	22	18	2,1	21	49	43	45	26	39	20	35	13	16	44	12	16	15	5,4	2,2	9,1	2,1	0,2	5,5	8,2	14	22	3,1	4,3	21	21	11	30	28	74	11	15	13	27	15	28	34
Alpha div.	2	7	4	15	6	5	5	11	11	2	15	20	15	14	22	19	16	22	11	13	18	8	9	7	12	7	8	3	6	15	9	19	18	6	10	21	17	15	17	7	20	17	16	17	22	10	12	19
Rocks																																																
SLC (%)	2,1	4,2	9,1	19	4,2	8,1	5,2	22	18	2,1	18	44	30	39	23	26	17	31	13	15	26	12	16	15	5,2	2,1	9,1	2,1	0,1	5,2	0,1	4,3	6,1	0	3,1	9,3	16	1,2	30	28	60	10	2,2	11	22	13	26	24
LRS (%)	9,3	12	41	28	25	32	7,9	89	71	10	90	82	84	93	92	101	101	75	87	94	87	94	90	83	74	105	101	105	2	65	5	85	87		52	46	81	24	86	93	75	78	72	80	89	87	38	75
abb.	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}
Ac.c	0	0	0	0	0,1	0	0	0,1	0,1	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ac.m	0	0,1	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	10	0	0,1	0	0,1	0	0	0	1
Br.s	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0,1	1	3	0	2	0,1	0,1	2	0	0	0	0,1	0,1	0	0	0	0,1	0,1	0	0	0	2	0	0,1	1	2	1	0	3	2	0	0	0
Bu.g	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bu.il	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Bu.is	0	2	5	0	0,1	3	0	0	8	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bu.la	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bu.li	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0
Bu.n	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	2	0	2	0,1	0	0	0,1	0	0	0,1
Bu.pa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0
Bu.pe	0	0	0	0	0	0	0	0	0	0	8	10	8	13	5	11	2	5	5	2	11	0,1	2	4	0,1	0,1	2	0,1	0	2	0	3	1	0	0,1	2	5	1	6	1	25	2	1	4	2	4	16	15
Bu.r	0,1	1	4	3	3	4	2	7	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bu.s	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C.b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C.h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C.s	0	1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ca.a	0	0	0	15	0	0	0	13	1	0	5	15	0	8	4	1	1	0	2	3	3	0,1	0	0	2	0	1	0	0	1	0,1	0,1	0	0	2	1	4	0	8	4	20	2	0	0,1	10	6	2	1
Hi.l	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0
Hu.c	0	0,1	0	1	0	0	0	0	0	0	1	1	4	4	3	0,1	0,1	1	0,1	2	2	0	2	1	1	0	0	0	0	1	0	0,1	0	0	1	1	2	0,1	9	1	4	3	0,1	0,1	2	0	2	4
L.d	0	0	0	0	0	0	0	0	0	0	1	1	2	0	2	8	4	10	2	1	4	7	5	1	0	2	3	2	0,1	0,1	0	0,1	0	0	0	1	0	0	0,1	10	0	0	0	1	0	1	0	0
L.fl	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.fr	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.m	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L.p	0	0	0	0,1	0,1	0	0	1	0,1	0	2	9	11	6	1	2	3	3	2	3	5	1	2	2	2	0	1	0	0	0,1	0	0,1	0,1	0	0	2	3	0,1	3	1	5	1	0	2	2	2	5	0,1
L.c	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Le.a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	1	0	0,1	1	3	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Le.l	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0,1	0	0,1	0	2	0	0,1	0	2	0	0	0,1	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0,1	0	0	0	0	0	0	0
Le.s	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0
Lc.p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lc.s	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mi.s	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
My.b	0	0	0	0	0	0	0,1	0,1	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0
Pe.s	0	0	0	0,1	0	0	0	0	0,1	0	1	4	4	2	0	0	0	0,1	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0,1	0	0	0	0	1	3
Rh.g	0	0	0	0,1	0	0	0,1	0,1	0	0	0	1	0	1	0,1	1	0	0	0,1	0,1	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0,1	0	0,1	0	0	0	2	0	0,1	0
Rm.p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	3	0	0	0	3	0,1	0	0,1	0	1	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	1	0,1	0	0,1	0	0	0
Ri.p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Te.a	0	0	0	0	0	0	0	0	0	0	0	0,1	1	1	2	0	0,1	3	1	0	1	0	0,1	1	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Th.i	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Th.z	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tr.a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tu.c	2	0,1	0,1	0	0	0,1	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Um.a	0	0	0	0,1	0	0	0	0	0	0	0	0,1	0,1	0	0	0,1	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0
Us.an	0	0	0	0	0	0	0	0	0	0	0,1	1	0,1	0	0,1	0,1	0	0,1	0	0	0	0	0	0	0	0,1	0	0	0	0,1	0,1	1	5	0,1	0,1	0,1	0,1	0,1	0,1	0	0,1	0,1	0,1	0,1	2	0	0	0,1
Us.aa	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
io	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
nu	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TLC (%)	0	0	0	0,2	0	0	0	0,1	0	0	3,2	5,2	13	6	3,3	13	3,1	4,2	0,1	1,1	18	0	0	0	0,2	0,1	0	0	0,1	0,3	8,1	9,3	16	3,1	1,2	12	5,2	10	0,3	0	14	1,2	13	2,2	4,3	2,2	2,1	10
LMS (%)	0	0	0	0,5	0	0	0	0,1	0	0	4	11	20	10	4,3	18	3,7	7,2	0,1	1,3	26	0	0	0	0,2	0,1	0	0	0,1	0,3	8,3	9,7	18	3,1	1,2	15	6,5	11	0,4	0	71	1,4	14	2,5	5,7	2,5	6,8	15
	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}	%^{f}
Al.n	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0,1	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	1
Am.p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ar.a	0	0	0	0,1	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Br.a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0
Ce.a	0	0	0	0	0	0	0	0	0	0	0,1	1	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0
Ch.m	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cl.a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cl.pc	0	0	0	0	0	0	0	0	0	0	0,1	0,1	1	0	0,1	1	0,1	0,1	0	1	1	0	0	0	0,1	0,1	0	0	0,1	0	0,1	0,1	1	0	0	1	0,1	0,1	0,1	0	4	0,1	2	0,1	0,1	0,1	0	1
Cl.c	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0,1	0	2	0	0	2	0	0	0	0	0	0	0	0,1	0,1	0	0	0	0	0	2	0,1	1	0,1	0	2	0	1	0	0	0	0	0,1
Cl.f	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cl.sa	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0,1	3	1	6	2	0	3	2	4	0	0	0,1	0,1	4	1	2	2	0	1
Cl.sq	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	1	2	1	0,1	0,1	0	0	0	0	0,1	0	0	0	0	0,1	2	3	0,1	1	1	1	0	0	0	0	2	0	4	1	1	0,1	0	6
Cl.su	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cl.l	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ja.t	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lp.s	0	0	0	0	0	0	0	0	0	0	0	1	2	3	0,1	4	0	0,1	0	0	9	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0,1	2	0,1	0,1	0,1	0	5	0,1	0	0	0,1	0	0	0,1
Oc.f	0	0	0	0	0	0	0	0	0	0	2	0,1	8	2	1	5	1	1	0	0	4	0	0	0	0	0	0	0	0	0,1	0	3	1	0	0	0,1	1	2	0	0	1	0,1	0	0,1	1	0	0,1	1
Pa.s	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0,1	0,1	0	0	0	0	0	0	0	0	1	0	0	0,1	0	1	0
Pr.s	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ps.h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0,1	0	0	0	0	0
Ri.o	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Si.m	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sp.g	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	5	0,1	0,1	0,1	1	1	0,1	0	0	0	1	0	0,1	0	0	0,1
St.a	0	0	0	0	0	0	0	0	0	0	0,1	0,1	0	0	0	0	0,1	0,1	0	0,1	0	0	0	0	0	0	0	0	0	0,1	3	1	2	0	0	3	0,1	1	0,1	0	0,1	0	1	0,1	0,1	0,1	1	0,1
Xa.c	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0	0	0	0	0	0	0	0,1	0	0	0	0,1	0

n[a] = number of subplots including the species, %[b] = specific contribution to the total cover (%), %[c] = specific cover with respect to the total surveyed surface (%), %[d] = specific contribution to the total saxicolous/terricolous cover, %[e] = specific cover with respect to the total surveyed rock/soil-moss surface, %[f] = species cover in the subplot (0.1 = +).

Abbr., species abbreviation; cl. = cluster including the species according to the classification on the basis of specific cover data obtained through the overall survey; world distribution: E = Antarctic endemic, E_sub = Antarctic-sub-Antarctic endemic, Cos = cosmopolitan, Bip = bipolar, SSH = Southern South Hemisphere distributed (including Magellanic) (Øvstedal & Lewis Smith 2001), § = nitrophilous species according to Øvstedal & Lewis Smith (2001), first report for Southern Orkneys (*) and, possibly, for Antarctica (# = detailed investigation in progress).