

SUPPLEMENTARY DATA

TABLE S1. Localities of the populations from which samples were used as either Dutch or European ‘context samples’ in this study.

Asplenium scolopendrium

Sample no.	Country	Province	Locality
The Netherlands			
735	The Netherlands	Flevoland	Voorsterbos
736	“	“	“
1041	The Netherlands	Flevoland	Jagersveld, Lelystad
127	The Netherlands	Friesland	Leeuwarden
1109	The Netherlands	Groningen	Groningen
1115	The Netherlands	Groningen	Musselkanaal
1394	The Netherlands	Overijssel	Oldenzaal
116	The Netherlands	Noord-Holland	Alkmaar
120	The Netherlands	Noord-Holland	Den Helder
121	The Netherlands	Noord-Holland	Park ‘De Wiedijk’, Amsterdam
122	“	“	“
1051	The Netherlands	Noord-Holland	Willem I Sluis, Amsterdam
1170	The Netherlands	Utrecht	Soesterberg
124	The Netherlands	Utrecht	Kanaalweg, Utrecht
125	The Netherlands	Utrecht	Amelisweerd, Utrecht
126	The Netherlands	Utrecht	Zeist
1063	The Netherlands	Gelderland	Zutphen
1046	The Netherlands	Gelderland	Wageningen
1107	The Netherlands	Gelderland	Apeldoorn
1066	The Netherlands	Zuid-Holland	Brielle
1068	The Netherlands	Zuid-Holland	Oostvoorne
1076	The Netherlands	Zeeland	Middelburg
167	The Netherlands	Limburg	Schone Grub, Savelsbos
162	The Netherlands	Limburg	Sint Pietersberg
Europe			
1185	Belgium	Luxembourg	Han
1327	France	France-Comté	Oberhaslach, Cascade de Nibeck
131	France	Pyrénées-Orientales	Montbolo
133	Germany	Niedersaechsisches Berglands	Leinetal, Durringer Berg
149	Germany	Baden-Württemberg	Beuron, Obere Donau
130	Germany	Nedersaksen	Springe, Kleiner Deister
134	Germany	Rheinland-Pfalz	Bundenbach
135	“	“	“
136	Germany	Nedersaksen	Ith
138	Switzerland	Bern	Meiringen
140	Switzerland	Zürich	Ramsfluh
197	Austria	Oberösterreich	Swartzenthal
145	United Kingdom	Cardiganshire, Wales	Aberystwyth
129	United Kingdom	Shropshire, England	Grinshill
147	United Kingdom	North Ayrshire, Scotland	Isle of Arran
990	United Kingdom	Kent, England	Ightham Mote, Sevenoaks
1003	United Kingdom	West Sussex, England	West Hoathly
180	Ukraine	Transcarpathia	Carpathian Biosphere Reserve
186	Ukraine	Kamianets-Podilski	Podilski Tovtry National Park

Asplenium trichomanes subsp. *quadrivalens*

Sample no.	Country	Province	Locality
The Netherlands			
399	The Netherlands	Utrecht	Utrecht
390	The Netherlands	Limburg	Eckelrade
387	The Netherlands	Limburg	Aldenhof, Maastricht
382	The Netherlands	Limburg	Academieplein, Maastricht
1053	The Netherlands	Noord-Holland	Amsterdam
1060	The Netherlands	Friesland	Leeuwarden
1061	The Netherlands	Friesland	Jelsum
1081	The Netherlands	Zeeland	Middelburg
1110	The Netherlands	Groningen	Stadskanaal
1117	The Netherlands	Drenthe	Smilde
1188	The Netherlands	Gelderland	Elburg
Europe			
1182	Belgium	Luxembourg	Bouillon
1184	Belgium	Luxembourg	Han
395	Luxembourg	Diekirch	Diekirch
1118	Luxembourg	Echternach	Consdorf
422	France	Auvergne	Royat
427	France	Morvan	Les Settons
944	France	Pyrénées-Orientales	Montbolo
1189	France	France-Compté	Xonrupt-Longemer
2642	France	Indre	Aigurande
437	Portugal	Sátão	Duas Igrejas
921	Italy	Veneto	Venice
928	Italy	Genua	Chiavari
937	Hungary	Fejér	Meszes-Völgy, North of Csákberény
417	Ukraine	Transcarpathia	Carpathian Biosphere Reserve
403	Ukraine	Kamianets-Podilski	Podilski Tovtry National Park
1450	Slovenia	Kobarid	Staro Selo
1451	Austria	Carinthia	Eggen
1452	Austria	Niederösterreich	Gloggnitz
938	Germany	Nordrhein-Westfalen	Borchen
941	Germany	Nordrhein-Westfalen	Horn, Bad Meinberg
943	Germany	Nordrhein-Westfalen	Wuppertal – Steinbeck
770	United Kingdom	Bromley, England	Bromney Common
852	United Kingdom	Bromley, England	Hayes
927	United Kingdom	Cumbria, Scotland	Kwin Pier, Bowness-on-Windermere
936	United Kingdom	Scotland	Arhoe
1449	United Kingdom	North Yorkshire	Goathland
1179	Sweden	Gotland	Vaskinde
1180	Norway	Buskerud	Hole

Polystichum setiferum

Sample no.	Country	Province	Locality
The Netherlands			
354	The Netherlands	Flevoland	Bremerbergbos
759	The Netherlands	Flevoland	Waterloopbos
1209	The Netherlands	Flevoland	Abbertsbos
957	The Netherlands	Flevoland	Swifterbant
958	“	“	“
959	The Netherlands	Flevoland	Voorsterbos, site 1
960	The Netherlands	Flevoland	Voorsterbos, site 2
961	“	“	“
962	“	“	“
963	“	“	“
964	The Netherlands	Flevoland	Voorsterbos, site 3
965	“	“	“
966	“	“	“
967	“	“	“
968	The Netherlands	Flevoland	Overijsselse Hout, Lelystad
969	“	“	“
970	“	“	“
971	“	“	“
1067	The Netherlands	Zuid-Holland	Brielle
1080	The Netherlands	Zeeland	Middelburg
Europe			
897	Belgium	Hainaut	Thuin
898	France	Languedoc-Roussillon	Quillun
899	France	Haute Savoie	St-Andre-Val-de-Fier
900	France	Côtes-du-Nord	Lamballe
1191	France	France-Compté	Forêt de la Bresse
902	Switzerland	Porrentruy	Plainmont
765	United Kingdom	Kent, England	Ightham Mote, Sevenoaks
766	United Kingdom	East Sussex, England	Frant
767	United Kingdom	West Sussex, England	West Hoathly
768	United Kingdom	West Sussex, England	Horsted Keynes
904	United Kingdom	South Essex	Brentwood
905	United Kingdom	West Inverness-shire	Loch Aline

Polystichum aculeatum

Sample no.	Country	Province	Locality
The Netherlands			
355	The Netherlands	Limburg	Sint Pietersberg
356	“	“	“
357	“	“	“
365	The Netherlands	Limburg	Sjegkelder Grub, Savelsbos
366	“	“	“
367	“	“	“
372	The Netherlands	Limburg	Schone Grub, Savelsbos
373	“	“	“
374	“	“	“
Europe			
871	Luxembourg	Esch-sur-Alzette	Tetangé
1120	Luxembourg	Echternach	Consdorf
887	Belgium	Liège	Pepinster
888	Belgium	Namur	Vresse
889	France	Haute Garonne	Bagnères-de-Luchon, Neste d'Oo
890	“	“	“
891	France	France-Compté	Gerbépal
892	France	Haute Garonne	Bagnères-de-Luchon, Vallee du Lys
1329	France	France-Compté	Oberhaslach, Cascade de Nibeck
886	Austria	Vorarlberg	Vadans
761	United Kingdom	Kent, England	Ightham Mote, Sevenoaks
762	United Kingdom	East Sussex, England	Frant
763	United Kingdom	West Sussex, England	West Hoathly
764	United Kingdom	West Sussex, England	Horsted Keynes
882	United Kingdom	Argyllshire	Puck's Glenn
1669	United Kingdom	Oberösterreich	Wolfgangsee
1172	Norway	Hardanger	Granvin
1175	Sweden	Dalsland	Gunnarsnäs

TABLE S2. Pairwise genetic distances between Kuinderbos populations of (a) *A. scolopendrium*, (b) *A. trichomanes*, (c) *P. setiferum* and (d) *P. aculeatum*. Genetic distances were calculated both as pairwise G_{ST} (values below the shaded squares) and by the Sørensen Similarity Index (QS; values above the shaded squares).

(a)	Asco1	Asco2	Asco3	Asco4	Asco5	Asco6
Aco1		0.417	0.604	0.375	0.500	0.350
Asco2	0.163		0.658	0.550	0.611	0.471
Asco3	0.095	0.031		0.475	0.649	0.375
Asco4	0.133	0.013	0.017		0.500	0.593
Asco5	0.159	0.061	0.024	0.018		0.483
Asco6	0.369	0.082	0.147	0.112	0.088	

(b)	Atri1	Atri2	Atri3
Atri1		0.629	0.601
Atri2	0.090		0.625
Atri3	0.219	0.355	

(c)	Pset1	Pset2	Pset3	Pset4	Pset5	Pset6
Pset1		0.250	0.500	0.500	0.322	0.333
Pset2	0.565		0.250	0.250	0.317	0.133
Pset3	0.500	0.565		0.750	0.267	0.667
Pset4	0.363	0.477	0.113		0.350	0.333
Pset5	0.582	0.475	0.607	0.517		0.222
Pset6	0.521	0.551	0.187	0.330	0.406	

(d)	Pacu1	Pacu2	Pacu3	Pacu4	Pacu5	Pacu6
Pacu1		0.588	0.500	0.556	0.561	0.561
Pacu2	0.176		0.500	0.459	0.603	0.595
Pacu3	0.352	0.284		0.542	0.447	0.488
Pacu4	0.201	0.118	0.293		0.552	0.408
Pacu5	0.211	0.158	0.263	0.162		0.862
Pacu6	0.125	0.126	0.257	0.143	0.045	