

## **Supplement S2 for:**

### **High genomic diversity in the bank vole at the northern apex of a range expansion: The role of multiple colonizations and end-glacial refugia**

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**Additional data Table S1.** List of bank voles included in this study.

No.	Locality	Country	Lat.	Long.	<i>mt-Cytb</i> lineage	mitogenome lineage	SNP cluster	GenBank Accession No. <i>mt-Cytb</i>	GenBank Accession No. mitogenome
1	Malselvfossen	Norway	69.02	18.67	<i>rutilus</i> -like		RUT	MN102937	
2	Malselvfossen	Norway	69.02	18.67	<i>rutilus</i> -like		RUT	MN102937	
3	Malselvfossen	Norway	69.02	18.67	<i>rutilus</i> -like		RUT	MN102938	
4	Malselvfossen	Norway	69.02	18.67	<i>rutilus</i> -like		RUT	MN102937	
5	Malselvfossen	Norway	69.02	18.67	<i>rutilus</i> -like		RUT	MN102938	
6	Malselvfossen	Norway	69.02	18.67	<i>rutilus</i> -like		RUT	MN102939	
7	Malselvfossen	Norway	69.02	18.67	<i>rutilus</i> -like		RUT	MN102938	
8	Malselvfossen	Norway	69.02	18.67	<i>rutilus</i> -like		RUT	MN102937	
9	Malselvfossen	Norway	69.02	18.67	<i>rutilus</i> -like		RUT	MN102936	
10	Malselvfossen	Norway	69.02	18.67	<i>rutilus</i> -like		RUT	MN102938	
11	Malselvfossen	Norway	69.02	18.67	<i>rutilus</i> -like		RUT	MN102938	
12	Malselvfossen	Norway	69.02	18.67	<i>rutilus</i> -like		RUT	MN102937	
13	Malselvfossen	Norway	69.02	18.67	<i>rutilus</i> -like		RUT	MN102937	
14	Malselvfossen	Norway	69.02	18.67	<i>rutilus</i> -like		RUT	MN102937	
15	Malselvfossen	Norway	69.02	18.67	<i>rutilus</i> -like		RUT	MN102937	
16	Malselvfossen	Norway	69.02	18.67	<i>rutilus</i> -like		RUT	MN102937	
17	Skjomdalen	Norway	68.37	17.25	<i>rutilus</i> -like		RUL2	MN102935	
18	Skjomdalen	Norway	68.37	17.25	<i>rutilus</i> -like		RUL2	MN102935	
19	Skjomdalen	Norway	68.37	17.25	<i>rutilus</i> -like		RUL2	MN102935	
20	Skjomdalen	Norway	68.37	17.25	<i>rutilus</i> -like		RUL2	MN102935	
21	Skjomdalen	Norway	68.37	17.25	<i>rutilus</i> -like		RUL2	MN102935	
22	Skjomdalen	Norway	68.37	17.25	<i>rutilus</i> -like		RUL2	MN102935	
23	Skjomdalen	Norway	68.37	17.25	<i>rutilus</i> -like		RUL2	MN102935	
24	Skjomdalen 2	Norway	68.37	17.23	<i>rutilus</i> -like		RUL2	MN102935	
25	Skjomdalen 2	Norway	68.37	17.23	<i>rutilus</i> -like		RUL2	MN102935	
26	Skjomdalen 2	Norway	68.37	17.23	<i>rutilus</i> -like		RUL2	MN102935	
27	Skjomdalen 2	Norway	68.37	17.23	<i>rutilus</i> -like		RUL2	MN102935	
28	Skjomdalen 2	Norway	68.37	17.23	<i>rutilus</i> -like		RUL2	MN102935	
29	Skjomdalen 2	Norway	68.37	17.23	<i>rutilus</i> -like		RUL2	MN102935	
30	Skjomdalen 2	Norway	68.37	17.23	<i>rutilus</i> -like		RUL2	MN102935	
31	Skjomdalen 2	Norway	68.37	17.23	<i>rutilus</i> -like		RUL2	MN102935	
32	Skjomdalen 2	Norway	68.37	17.23	<i>rutilus</i> -like		RUL2	MN102936	

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33	Skjomedalen 2	Norway	68.37	17.23	<i>rutilus</i> -like		RUL2	MN102935	
34	Skjomedalen 2	Norway	68.37	17.23	<i>rutilus</i> -like		RUL2	MN102936	
35	Skjomedalen 2	Norway	68.37	17.23	<i>rutilus</i> -like		RUL2	MN102935	
36	Ballangen	Norway	68.34	16.90	<i>rutilus</i> -like		RUL2	MN102934	
37	Ballangen	Norway	68.34	16.90	<i>rutilus</i> -like		RUL2	MN102935	
38	Ballangen	Norway	68.34	16.90	<i>rutilus</i> -like		RUL2	MN102935	
39	Kvandalfors	Norway	66.95	15.38	<i>rutilus</i> -like		RUL1	MN102932	
40	Kvandalfors	Norway	66.95	15.38	<i>rutilus</i> -like		RUL1	MN102932	
41	Kvandalfors	Norway	66.95	15.38	<i>rutilus</i> -like		RUL1	MN102933	
42	Kvandalfors	Norway	66.95	15.38	<i>rutilus</i> -like		RUL1	MN102932	
43	Kvandalfors	Norway	66.95	15.38	<i>rutilus</i> -like		RUL1	MN102932	
44	Kvandalfors	Norway	66.95	15.38	<i>rutilus</i> -like		RUL1	MN102932	
45	Kvandalfors	Norway	66.95	15.38	<i>rutilus</i> -like		RUL1	MN102933	
46	Kvandalfors	Norway	66.95	15.38	<i>rutilus</i> -like		RUL1	MN102932	
47	Kvandalfors	Norway	66.95	15.38	<i>rutilus</i> -like		RUL1	MN102933	
48	Kvandalfors	Norway	66.95	15.38	<i>rutilus</i> -like		RUL1	MN102933	
49	Kvandalfors	Norway	66.95	15.38	<i>rutilus</i> -like		RUL1	MN102933	
50	Kvandalfors	Norway	66.95	15.38	<i>rutilus</i> -like		RUL1	MN102933	
51	Kvandalfors	Norway	66.95	15.38	<i>rutilus</i> -like		RUL1	MN102933	
52	Kvandalfors	Norway	66.95	15.38	<i>rutilus</i> -like		RUL1	MN102933	
53	Nordnes	Norway	66.88	15.29	<i>rutilus</i> -like		RUL1	MN102932	
54	Nordnes	Norway	66.88	15.29	<i>rutilus</i> -like		RUL1	MN102932	
55	Nordnes	Norway	66.88	15.29	<i>rutilus</i> -like		RUL1	MN102932	
56	Nordnes	Norway	66.88	15.29	<i>rutilus</i> -like		RUL1	MN102932	
57	Nordnes	Norway	66.88	15.29	<i>rutilus</i> -like		RUL1	MN102932	
58	Nordnes	Norway	66.88	15.29	<i>rutilus</i> -like		RUL1	MN102932	
59	Rana	Norway	66.42	14.77	<i>rutilus</i> -like		RUL1	MN102930	
60	Rana	Norway	66.42	14.77	<i>rutilus</i> -like		RUL1	MN102930	
61	Rana	Norway	66.42	14.77	<i>rutilus</i> -like		RUL1	MN102930	
62	Rana	Norway	66.42	14.77	<i>rutilus</i> -like		RUL1	MN102930	
63	Rana	Norway	66.42	14.77	<i>rutilus</i> -like		RUL1	MN102931	
64	Rana	Norway	66.42	14.77	<i>rutilus</i> -like		RUL1	MN102931	
65	Rana	Norway	66.42	14.77	<i>rutilus</i> -like		RUL1	MN102931	

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66	Rana	Norway	66.42	14.77	<i>rutilus</i> -like	<i>rutilus</i> -like	RUL1	MN102928	KM892835 <sup>§</sup>
67	Rana	Norway	66.42	14.77	<i>rutilus</i> -like		RUL1	MN102931	
68*	Rana	Norway	66.42	14.77					
69	Korgen	Norway	66.06	13.84	<i>rutilus</i> -like		RUL1	MN102927	
70	Korgen	Norway	66.06	13.84	<i>rutilus</i> -like		RUL1	MN102927	
71	Korgen	Norway	66.06	13.84	<i>rutilus</i> -like		RUL1	MN102927	
72	Korgen	Norway	66.06	13.84	<i>rutilus</i> -like		RUL1	MN102928	
73	Korgen	Norway	66.06	13.84	<i>rutilus</i> -like		RUL1	MN102927	
74	Korgen	Norway	66.06	13.84	<i>rutilus</i> -like		RUL1	MN102927	
75	Korgen	Norway	66.06	13.84	<i>rutilus</i> -like		RUL1	MN102929	
76	Korgen	Norway	66.06	13.84	<i>rutilus</i> -like	NOR	RUL1	MN102927	MN103085
77	Snåsa	Norway	64.17	12.05	Carpathian		NOR2	MN102908	
78	Snåsa	Norway	64.17	12.05	Carpathian		NOR2	MN102908	
79	Snåsa	Norway	64.17	12.05	Carpathian		NOR2	MN102909	
80	Snåsa	Norway	64.17	12.05	Carpathian		NOR2	MN102909	
81	Snåsa	Norway	64.17	12.05	Carpathian		NOR2	MN102910	
82	Snåsa	Norway	64.17	12.05	Carpathian	NOR	NOR2	MN102911	MN103086
83	Surnadal	Norway	62.96	8.71	Carpathian		NOR1	MN102912	
84	Surnadal	Norway	62.96	8.71	Carpathian		NOR1	MN102913	
85	Surnadal	Norway	62.96	8.71	Carpathian		NOR1	MN102912	
86	Ringebu	Norway	61.58	10.06	Carpathian		NOR1	MN102860	
87	Ringebu	Norway	61.58	10.06	Carpathian	NOR	NOR1	MN102860	KM892836 <sup>§</sup>
88	Ringebu	Norway	61.58	10.06	Carpathian		NOR1	MN102914	
89	Ringebu	Norway	61.58	10.06	Carpathian		NOR1	MN102914	
90	Ringebu	Norway	61.58	10.06	Carpathian		NOR1	MN102914	
91	Ringebu	Norway	61.58	10.06	Carpathian		NOR1	MN102915	
92	Ringebu	Norway	61.58	10.06	Carpathian	NOR	NOR1	MN102916	MN103087
93	Ringebu	Norway	61.58	10.06	Carpathian		NOR1	MN102914	
94	Eksingedal	Norway	60.79	5.97	Carpathian		NOR1	MN102860	
95	Eksingedal	Norway	60.79	5.97	Carpathian		NOR1	MN102860	
96	Eksingedal	Norway	60.79	5.97	Carpathian		NOR1	MN102860	
97	Eksingedal	Norway	60.79	5.97	Carpathian		NOR1	MN102917	
98	Eksingedal	Norway	60.79	5.97	Carpathian		NOR1	MN102860	

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99	Eksingedal	Norway	60.79	5.97	Carpathian		NOR1	MN102917	
100	Eksingedal	Norway	60.79	5.97	Carpathian		NOR1	MN102917	
101	Eksingedal	Norway	60.79	5.97	Carpathian		NOR1	MN102860	
102	Harestua	Norway	60.22	10.73	Carpathian	NOR	SWE	MN102923	MN103090
103	Harestua	Norway	60.22	10.73	Carpathian		SWE	MN102923	
104	Harestua	Norway	60.22	10.73	Carpathian		SWE	MN102923	
105	Harestua	Norway	60.22	10.73	Carpathian		SWE	MN102923	
106	Ose	Norway	58.98	7.66		NOR			MN103088
107	Risør	Norway	58.77	9.21	Carpathian	NOR	NOR1	MN102922	MN103089
108	Risør	Norway	58.77	9.21	Carpathian		NOR1	MN102922	
109	Risør	Norway	58.77	9.21	Carpathian		NOR1	MN102922	
110	Risør	Norway	58.77	9.21	Carpathian		NOR1	MN102922	
111	Risør	Norway	58.77	9.21	Carpathian		NOR1	MN102922	
112	Lillesand	Norway	58.24	8.23	Carpathian		NOR1	MN102918	
113	Lillesand	Norway	58.24	8.23	Carpathian	NOR	NOR1	MN102919	KM892837 <sup>s</sup>
114	Lillesand	Norway	58.24	8.23	Carpathian		NOR1	MN102919	
115	Lillesand	Norway	58.24	8.23	Carpathian		NOR1	MN102919	
116	Lillesand	Norway	58.24	8.23	Carpathian		NOR1	MN102919	
117	Lillesand	Norway	58.24	8.23	Carpathian		NOR1	MN102919	
118	Lillesand	Norway	58.24	8.23	Carpathian		NOR1	MN102919	
119	Lillesand	Norway	58.24	8.23	Carpathian		NOR1	MN102920	
120	Lillesand	Norway	58.24	8.23	Carpathian		NOR1	MN102921	
121	Lillesand	Norway	58.24	8.23	Carpathian		NOR1	MN102919	
122	Skelleftea	Sweden	64.97	21.13	<i>rutilus</i> -like		RUL1	MN102922	
123	Skelleftea	Sweden	64.97	21.13	<i>rutilus</i> -like		RUL1	MN102922	
124	Skelleftea	Sweden	64.97	21.13	<i>rutilus</i> -like		RUL1	MN102922	
125	Umea	Sweden	63.31	19.03	<i>rutilus</i> -like		NOR2	MN102922	
126	Umea	Sweden	63.31	19.03	<i>rutilus</i> -like		NOR2	MN102943	
127	Umea	Sweden	63.31	19.03			NOR2		
128	Umea	Sweden	63.31	19.03	<i>rutilus</i> -like		NOR2	MN102943	
129	Umea	Sweden	63.31	19.03	<i>rutilus</i> -like		NOR2	MN102944	
130	Umea	Sweden	63.31	19.03	<i>rutilus</i> -like		NOR2	MN102943	
131	Kramfors	Sweden	62.88	17.72	Carpathian		NOR2	MN102864	

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132	Kramfors	Sweden	62.88	17.72	<i>rutilus</i> -like	NOR	NOR2	MN102865	MN103070
133	Kramfors	Sweden	62.88	17.72	Carpathian		NOR2	MN102864	
134	Kramfors	Sweden	62.88	17.72	Carpathian		NOR2	MN102864	
135	Kramfors	Sweden	62.88	17.72	Carpathian		NOR2	MN102864	
136	Kramfors	Sweden	62.88	17.72	<i>rutilus</i> -like		NOR2	MN102862	
137	Kramfors	Sweden	62.88	17.72	Carpathian		NOR2	MN102863	
138	Kramfors	Sweden	62.88	17.72	<i>rutilus</i> -like		NOR2	MN102862	
139	Kramfors	Sweden	62.88	17.72	<i>rutilus</i> -like		NOR2	MN102862	
140	Skog	Sweden	61.14	16.81	Carpathian		SWE	MN102860	
141	Skog	Sweden	61.14	16.81	Carpathian	NOR	SWE	MN102861	MN103069
142	Skog	Sweden	61.14	16.81	Carpathian		SWE	MN102861	
143	Skog	Sweden	61.14	16.81	Carpathian		SWE	MN102861	
144	Skog	Sweden	61.14	16.81	Carpathian		SWE	MN102860	
145	Skog	Sweden	61.14	16.81	Carpathian		SWE	MN102859	
146	Skog	Sweden	61.14	16.81	Carpathian		SWE	MN102859	
147	Skog	Sweden	61.14	16.81	Carpathian		SWE	MN102859	
148	Skog	Sweden	61.14	16.81	Carpathian		SWE	MN102859	
149	Skog	Sweden	61.14	16.81	Carpathian		SWE	MN102859	
150	Buckarby	Sweden	60.22	16.98		NOR			MN103071
151	Buckarby	Sweden	60.22	16.98	Carpathian		SWE	MN102866	
152	Buckarby	Sweden	60.22	16.98	Carpathian		SWE	MN102853	
153	Buckarby	Sweden	60.22	16.98	Carpathian		SWE	MN102853	
154	Buckarby	Sweden	60.22	16.98	Carpathian		SWE	MN102853	
155	Buckarby	Sweden	60.22	16.98	Carpathian		SWE	MN102866	
156	Torsby	Sweden	60.14	12.81	Carpathian		SWE	MN102879	
157	Torsby	Sweden	60.14	12.81	Carpathian		SWE	MN102880	
158	Torsby	Sweden	60.14	12.81	Carpathian		SWE	MN102879	
159	Torsby	Sweden	60.14	12.81	Carpathian		SWE	MN102853	
160	Torsby	Sweden	60.14	12.81	Carpathian		SWE	MN102878	
161	Torsby	Sweden	60.14	12.81	Carpathian		SWE	MN102878	
162	Torsby	Sweden	60.14	12.81	Carpathian		SWE	MN102878	
163	Torsby	Sweden	60.14	12.81	Carpathian		SWE	MN102875	
164	Torsby	Sweden	60.14	12.81	Carpathian		SWE	MN102876	

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165	Torsby	Sweden	60.14	12.81	Carpathian		SWE	MN102877	
166	Buckarby	Sweden	60.22	16.98	Carpathian		SWE	MN102867	
167	Buckarby	Sweden	60.22	16.98	Carpathian		SWE	MN102867	
168	Buckarby	Sweden	60.22	16.98	Carpathian		SWE	MN102860	
169	Buckarby	Sweden	60.22	16.98	Carpathian		SWE	MN102860	
170	Buckarby	Sweden	60.22	16.98	Carpathian		SWE	MN102860	
171	Arla	Sweden	59.29	16.70	Carpathian		SWE	MN102868	
172	Arla	Sweden	59.29	16.70	Carpathian		SWE	MN102869	
173	Arla	Sweden	59.29	16.70	Carpathian		SWE	MN102870	
174	Arla	Sweden	59.29	16.70	Carpathian		SWE	MN102869	
175	Arla	Sweden	59.29	16.70	Carpathian		SWE	MN102869	
176	Arla	Sweden	59.29	16.70	Carpathian		SWE	MN102853	
177	Arla	Sweden	59.29	16.70	Carpathian		SWE	MN102853	
178	Arla	Sweden	59.29	16.70	Carpathian		SWE	MN102871	
179	Arla	Sweden	59.29	16.70	Carpathian		SWE	MN102871	
180	Arla	Sweden	59.29	16.70	Carpathian		SWE	MN102872	
181	Göteborg	Sweden	57.62	12.42	Carpathian		SWE	MN102924	
182	Stensoffa	Sweden	55.71	13.49	Carpathian	SWE	SWE	MN102853	MN103041
183	Stensoffa	Sweden	55.71	13.49	Carpathian	SWE	SWE	MN102873	MN103042
184	Stensoffa	Sweden	55.71	13.49	Carpathian	SWE	SWE	MN102853	KM892830 <sup>s</sup>
185	Stensoffa	Sweden	55.71	13.49	Carpathian	SWE	SWE	MN102853	MN103043
186	Stensoffa	Sweden	55.71	13.49	Carpathian	SWE	SWE	MN102853	MN103044
187	Stensoffa	Sweden	55.71	13.49	Carpathian	SWE	SWE	MN102874	MN103045
188	Stensoffa	Sweden	55.71	13.49	Carpathian	SWE	SWE	MN102874	MN103046
189	Stensoffa	Sweden	55.71	13.49	Carpathian	SWE	SWE	MN102853	MN103047
190	Stensoffa	Sweden	55.71	13.49	Carpathian	SWE	SWE	MN102874	MN103048
191	Stensoffa	Sweden	55.71	13.49	Carpathian	SWE	SWE	MN102874	MN103049
192	Pallasjärvi	Finland	68.04	24.24	<i>rutilus</i> -like		FIN	MN102961	
193	Pallasjärvi	Finland	68.04	24.24	<i>rutilus</i> -like		FIN	MN102962	
194	Pallasjärvi	Finland	68.04	24.24	<i>rutilus</i> -like		FIN	MN102963	
195	Pallasjärvi	Finland	68.04	24.24	<i>rutilus</i> -like		FIN	MN102963	
196	Pallasjärvi	Finland	68.04	24.24	<i>rutilus</i> -like		FIN	MN102963	
197	Pallasjärvi	Finland	68.04	24.24	<i>rutilus</i> -like		FIN	MN102964	

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198	Pallasjärvi	Finland	68.04	24.24	<i>rutilus</i> -like		FIN	MN102965	
199	Pallasjärvi	Finland	68.04	24.24	<i>rutilus</i> -like		FIN	MN102963	
200	Pallasjärvi	Finland	68.04	24.24	<i>rutilus</i> -like		FIN	MN102966	
201	Pallasjärvi	Finland	68.04	24.24	<i>rutilus</i> -like		FIN	MN102967	
202	Pallasjärvi	Finland	68.04	24.24	<i>rutilus</i> -like		FIN	MN102964	
203	Kolari	Finland	67.30	23.75	<i>rutilus</i> -like		FIN	MN102968	
204	Kolari	Finland	67.30	23.75	<i>rutilus</i> -like		FIN	MN102968	
205	Kolari	Finland	67.30	23.75	<i>rutilus</i> -like		FIN	MN102969	
206	Kolari	Finland	67.30	23.75	<i>rutilus</i> -like		FIN	MN102970	
207	Kolari	Finland	67.30	23.75	<i>rutilus</i> -like		FIN	MN102968	
208	Kolari	Finland	67.30	23.75	<i>rutilus</i> -like		FIN	MN102971	
209	Kolari	Finland	67.30	23.75	<i>rutilus</i> -like		FIN	MN102970	
210	Kolari	Finland	67.30	23.75	<i>rutilus</i> -like		FIN	MN102936	
211	Kolari	Finland	67.30	23.75	<i>rutilus</i> -like		FIN	MN102972	
212	Kolari	Finland	67.30	23.75	<i>rutilus</i> -like		FIN	MN102972	
213	Pyhätunturi	Finland	67.00	27.14	<i>rutilus</i> -like		FIN	MN102977	
214	Pyhätunturi	Finland	67.00	27.14	<i>rutilus</i> -like		FIN	MN102978	
215	Pyhätunturi	Finland	67.00	27.14	<i>rutilus</i> -like		FIN	MN102979	
216	Pyhätunturi	Finland	67.00	27.14	<i>rutilus</i> -like		FIN	MN102980	
217	Pyhätunturi	Finland	67.00	27.14	<i>rutilus</i> -like		FIN	MN102980	
218	Pyhätunturi	Finland	67.00	27.14	<i>rutilus</i> -like		FIN	MN102981	
219	Pyhätunturi	Finland	67.00	27.14	<i>rutilus</i> -like		FIN	MN102980	
220	Pyhätunturi	Finland	67.00	27.14	<i>rutilus</i> -like		FIN	MN102981	
221	Pyhätunturi	Finland	67.00	27.14	<i>rutilus</i> -like		FIN	MN102980	
222	Pyhätunturi	Finland	67.00	27.14	<i>rutilus</i> -like		FIN	MN102982	
223	Pisavaara	Finland	66.28	25.10	<i>rutilus</i> -like		FIN	MN102969	
224	Pisavaara	Finland	66.28	25.10	<i>rutilus</i> -like		FIN	MN102973	
225	Pisavaara	Finland	66.28	25.10	<i>rutilus</i> -like		FIN	MN102974	
226	Pisavaara	Finland	66.28	25.10	<i>rutilus</i> -like		FIN	MN102974	
227	Pisavaara	Finland	66.28	25.10	<i>rutilus</i> -like		FIN	MN102973	
228	Pisavaara	Finland	66.28	25.10	<i>rutilus</i> -like		FIN	MN102973	
229	Pisavaara	Finland	66.28	25.10	<i>rutilus</i> -like		FIN	MN102936	
230	Pisavaara	Finland	66.28	25.10	<i>rutilus</i> -like		FIN	MN102975	



No.	Locality	Country	Lat.	Long.	<i>mt-Cytb</i> lineage	mitogenome lineage	SNP cluster	GenBank Accession No. <i>mt-Cytb</i>	GenBank Accession No. mitogenome
231	Pisavaara	Finland	66.28	25.10	<i>rutilus</i> -like		FIN	MN102974	
232	Pisavaara	Finland	66.28	25.10	<i>rutilus</i> -like		FIN	MN102976	
233	Kuusamo	Finland	66.19	29.22	<i>rutilus</i> -like		FIN	MN102957	
234	Kuusamo	Finland	66.19	29.22	<i>rutilus</i> -like		FIN	MN102958	
235	Kuusamo	Finland	66.19	29.22	<i>rutilus</i> -like		FIN	MN102957	
236	Kuusamo	Finland	66.19	29.22	<i>rutilus</i> -like		FIN	MN102957	
237	Kuusamo	Finland	66.19	29.22	<i>rutilus</i> -like		FIN	MN102959	
238	Kuusamo	Finland	66.19	29.22	<i>rutilus</i> -like		FIN	MN102960	
239	Kuusamo	Finland	66.19	29.22	<i>rutilus</i> -like		FIN	MN102958	
240	Kuusamo	Finland	66.19	29.22	<i>rutilus</i> -like		FIN	MN102957	
241	Kuusamo	Finland	66.19	29.22	<i>rutilus</i> -like		FIN	MN102958	
242	Kuusamo	Finland	66.19	29.22	<i>rutilus</i> -like		FIN	MN102958	
243	Lieksa	Finland	63.11	29.81	Eastern	FIN	FIN	MN102990	MN103096
244	Lieksa	Finland	63.11	29.81	Eastern		FIN	MN102991	
245	Lieksa	Finland	63.11	29.81	Eastern		FIN	MN102992	
246	Lieksa	Finland	63.11	29.81	Eastern		FIN	MN102991	
247	Lieksa	Finland	63.11	29.81	Eastern		FIN	MN102993	
248	Lieksa	Finland	63.11	29.81	Eastern		FIN	MN102991	
249	Lieksa	Finland	63.11	29.81	Eastern	FIN	FIN	MN102993	MN103097
250	Lieksa	Finland	63.11	29.81	Eastern		FIN	MN102993	
251	Lieksa	Finland	63.11	29.81	Eastern		FIN	MN102994	
252	Lieksa	Finland	63.11	29.81	Eastern		FIN	MN102993	
253	Suonenjoki	Finland	62.63	27.10	Eastern	FIN	FIN	MN102995	MN103098
254	Suonenjoki	Finland	62.63	27.10	Eastern		FIN	MN102996	
255	Suonenjoki	Finland	62.63	27.10	Eastern		FIN	MN102995	
256	Suonenjoki	Finland	62.63	27.10	Eastern		FIN	MN102995	
257	Suonenjoki	Finland	62.63	27.10	Eastern		FIN	MN102996	
258	Suonenjoki	Finland	62.63	27.10	Eastern		FIN	MN102997	
259	Suonenjoki	Finland	62.63	27.10	Eastern		FIN	MN102998	
260	Suonenjoki	Finland	62.63	27.10	Eastern		FIN	MN102999	
261	Suonenjoki	Finland	62.63	27.10	Eastern		FIN	MN102995	
262	Suonenjoki	Finland	62.63	27.10	Eastern		FIN	MN102995	
263	Tohmajärvi	Finland	62.23	30.36	Eastern	FIN	FIN	MN103004	MN103101

No.	Locality	Country	Lat.	Long.	<i>mt-Cytb</i> lineage	mitogenome lineage	SNP cluster	GenBank Accession No. <i>mt-Cytb</i>	GenBank Accession No. mitogenome
264	Tohmajärvi	Finland	62.23	30.36	Eastern		FIN	MN103005	
265	Tohmajärvi	Finland	62.23	30.36	Eastern		FIN	MN103004	
266	Tohmajärvi	Finland	62.23	30.36	Eastern		FIN	MN103004	
267	Tohmajärvi	Finland	62.23	30.36	Eastern		FIN	MN103004	
268	Tohmajärvi	Finland	62.23	30.36	Eastern		FIN	MN103004	
269	Tohmajärvi	Finland	62.23	30.36	Eastern		FIN	MN103005	
270	Tohmajärvi	Finland	62.23	30.36	Eastern		FIN	MN103005	
271	Tohmajärvi	Finland	62.23	30.36	Eastern		FIN	MN103005	
272	Tohmajärvi	Finland	62.23	30.36	Eastern		FIN	MN103006	
273	Korpilahti	Finland	61.99	25.57	Eastern		FIN	MN102983	
274	Korpilahti	Finland	61.99	25.57	Eastern	FIN	FIN	MN102984	MN103093
275	Korpilahti	Finland	61.99	25.57	Eastern		FIN	MN102983	
276	Korpilahti	Finland	61.99	25.57	Eastern	FIN	FIN	MN102988	MN103095
277	Korpilahti	Finland	61.99	25.57	Eastern		FIN	MN102989	
278	Korpilahti	Finland	61.99	25.57			FIN		
279	Mikkeli	Finland	61.80	27.10	Eastern	FIN	FIN	MN102987	MN103102
280	Mikkeli	Finland	61.80	27.10	Eastern		FIN	MN102995	
281	Mikkeli	Finland	61.80	27.10	Eastern		FIN	MN102987	
282	Mikkeli	Finland	61.80	27.10	Eastern		FIN	MN102995	
283	Mikkeli	Finland	61.80	27.10	Eastern		FIN	MN102987	
284	Mikkeli	Finland	61.80	27.10	Eastern		FIN	MN102987	
285	Mikkeli	Finland	61.80	27.10	Eastern		FIN	MN102987	
286	Mikkeli	Finland	61.80	27.10	Eastern		FIN	MN102987	
287	Mikkeli	Finland	61.80	27.10	Eastern		FIN	MN102995	
288	Mikkeli	Finland	61.80	27.10	Eastern		FIN	MN102987	
289	Korpilahti	Finland	61.99	25.57	Eastern	FIN	FIN	MN102985	MN103094
290	Korpilahti	Finland	61.99	25.57	Eastern		FIN	MN102986	
291	Korpilahti	Finland	61.99	25.57	Eastern		FIN	MN102987	
292	Korpilahti	Finland	61.99	25.57	Eastern		FIN	MN102986	
293	Korpilahti	Finland	61.99	25.57	Eastern		FIN	MN102985	
294	Vammala	Finland	61.37	22.89	Eastern	FIN	FIN	MN102987	MN103103
295	Vammala	Finland	61.37	22.89	Eastern		FIN	MN102987	
296	Vammala	Finland	61.37	22.89	Eastern		FIN	MN103007	

No.	Locality	Country	Lat.	Long.	<i>mt-Cytb</i> lineage	mitogenome lineage	SNP cluster	GenBank Accession No. <i>mt-Cytb</i>	GenBank Accession No. mitogenome
297	Vammala	Finland	61.37	22.89	Eastern		FIN	MN102987	
298	Vammala	Finland	61.37	22.89	Eastern		FIN	MN102987	
299	Vammala	Finland	61.37	22.89	Eastern		FIN	MN102987	
300	Vammala	Finland	61.37	22.89	Eastern		FIN	MN102987	
301	Vammala	Finland	61.37	22.89	Eastern		FIN	MN102987	
302	Vammala	Finland	61.37	22.89	Eastern	FIN	FIN	MN102987	MN103104
303	Vammala	Finland	61.37	22.89	Eastern		FIN	MN102987	
304	Virolahti	Finland	60.59	27.68	Eastern	FIN	FIN	MN102987	MN103100
305	Virolahti	Finland	60.59	27.68	Eastern		FIN	MN103001	
306	Virolahti	Finland	60.59	27.68	Eastern		FIN	MN103002	
307	Virolahti	Finland	60.59	27.68	Eastern		FIN	MN102987	
308	Virolahti	Finland	60.59	27.68	Eastern		FIN	MN103003	
309	Virolahti	Finland	60.59	27.68	Eastern	FIN	FIN	MN102987	MN103099
310	Virolahti	Finland	60.59	27.68	Eastern		FIN	MN102987	
311	Virolahti	Finland	60.59	27.68	Eastern		FIN	MN102987	
312	Virolahti	Finland	60.59	27.68	Eastern		FIN	MN103000	
313	Virolahti	Finland	60.59	27.68	Eastern		FIN	MN102987	
314	Jutland	Denmark	56.23	10.57	Eastern	DEN	DEN	MN102882	MN103083
315	Jutland	Denmark	56.23	10.57	Eastern	DEN	DEN	MN102882	MN103083
316	Jutland	Denmark	56.23	10.57	Eastern	DEN	DEN	MN102882	MN103083
317	Jutland	Denmark	56.23	10.57	Eastern	DEN	DEN	MN102882	MN103083
318	Jutland	Denmark	56.23	10.57	Eastern		DEN	MN102882	
319	Jutland	Denmark	56.23	10.57	Eastern		DEN	MN102882	
320	Jutland	Denmark	56.23	10.57	Eastern		DEN	MN102882	
321	Jutland	Denmark	56.23	10.57	Eastern		DEN	MN102882	
322	Jutland	Denmark	56.23	10.57	Eastern		DEN	MN102883	
323	Jutland	Denmark	56.23	10.57	Eastern		DEN	MN102882	
324	Sjælland	Denmark	55.73	11.92		DEN			MN103062
325	Sjælland	Denmark	55.73	11.92		DEN			MN103063
326	Sjælland	Denmark	55.73	11.92		DEN			MN103064
327	Sjælland	Denmark	55.73	11.92		DEN			MN103063
328*	Sjælland	Denmark	55.73	11.92		DEN			MN103084
329	Varde	Denmark	55.63	8.48	Eastern	DEN	DEN	MN102811	KM892822 <sup>§</sup>

No.	Locality	Country	Lat.	Long.	<i>mt-Cytb</i> lineage	mitogenome lineage	SNP cluster	GenBank Accession No. <i>mt-Cytb</i>	GenBank Accession No. mitogenome
330	Varde	Denmark	55.63	8.48	Eastern	DEN	DEN	MN102811	KM892822
331	Varde	Denmark	55.63	8.48	Eastern	DEN	DEN	MN102811	KM892822
332	Varde	Denmark	55.63	8.48	Eastern		DEN	MN102811	
333	Arnum	Denmark	55.27	8.94	Eastern	DEN	DEN	MN102812	MN103067
334	Arnum	Denmark	55.27	8.94	Eastern	DEN	DEN	MN102812	MN103067
335	Arnum	Denmark	55.27	8.94	Eastern	DEN	DEN	MN102812	MN103067
336	Arnum	Denmark	55.27	8.94	Eastern		DEN	MN102813	
337	Arnum	Denmark	55.27	8.94	Eastern		DEN	MN102814	
338	Arnum	Denmark	55.27	8.94	Eastern		DEN	MN102812	
339	Lolland	Denmark	54.87	11.71	Eastern	DEN	DEN	MN102881	MN103078
340	Lolland	Denmark	54.87	11.71		DEN			MN103079
341	Lolland	Denmark	54.87	11.71	Eastern	DEN	DEN	MN102881	MN103078
342	Lolland	Denmark	54.87	11.71					MN103078
343	Lolland	Denmark	54.87	11.71	Eastern	DEN	DEN	MN102881	MN103078
344	Lolland	Denmark	54.87	11.71	Eastern	DEN	DEN	MN102822	MN103080
345	Lolland	Denmark	54.87	11.71	Eastern	DEN	DEN	MN102881	MN103081
346	Lolland	Denmark	54.87	11.71	Eastern	DEN	DEN	MN102881	MN103082
347	Lolland	Denmark	54.87	11.71	Eastern	DEN	DEN	MN102881	MN103082
348	Lolland	Denmark	54.87	11.71	Eastern	DEN	DEN	MN102881	MN103082
349	Lolland	Denmark	54.87	11.71	Eastern		DEN	MN102881	
350	Lolland	Denmark	54.87	11.71	Eastern		DEN	MN102881	
351	Ostashkov	Russia	57.15	33.10	Eastern		Eastern	MN102778	
352	Ostashkov	Russia	57.15	33.10	Eastern		Eastern	MN102778	
353	Ostashkov	Russia	57.15	33.10	Eastern		Eastern	MN102779	
354	Ostashkov	Russia	57.15	33.10	Eastern		Eastern	MN102780	
355	Ostashkov	Russia	57.15	33.10	Eastern		Eastern	MN102778	
356	Maud	Great Britain	57.48	-2.08	Carpathian		SCO	MN102853	
357	Maud	Great Britain	57.48	-2.08	Carpathian	SWE	SCO	MN102853	KM892828 <sup>s</sup>
358	Maud	Great Britain	57.48	-2.08	Carpathian	SWE	SCO	MN102853	MN103034
359	Maud	Great Britain	57.48	-2.08	Carpathian	SWE	SCO	MN102853	MN103035
360	Maud	Great Britain	57.48	-2.08	Carpathian	SWE	SCO	MN102854	MN103036
361	Maud	Great Britain	57.48	-2.08	Carpathian	SWE	SCO	MN102853	MN103037
362	Maud	Great Britain	57.48	-2.08	Carpathian		SCO	MN102853	

No.	Locality	Country	Lat.	Long.	<i>mt-Cytb</i> lineage	mitogenome lineage	SNP cluster	GenBank Accession No. <i>mt-Cytb</i>	GenBank Accession No. mitogenome
363	Maud	Great Britain	57.48	-2.08	Carpathian		SCO	MN102853	
364	Maud	Great Britain	57.48	-2.08	Carpathian		SCO	MN102853	
365	Roslin	Great Britain	55.84	-3.10	Western	Western	ENG1	MN102790	MN103032
366	Roslin	Great Britain	55.84	-3.10	Western	Western	ENG1	MN102852	MN103033
367	Roslin	Great Britain	55.84	-3.10	Western		ENG1	MN102790	
368	Roslin	Great Britain	55.84	-3.10	Western		ENG1	MN102790	
369	Roslin	Great Britain	55.84	-3.10	Western		ENG1	MN102790	
370	Roslin	Great Britain	55.84	-3.10	Western		ENG1	MN102790	
371	Roslin	Great Britain	55.84	-3.10	Western	Western	ENG1	MN102790	MN103031
372	Roslin	Great Britain	55.84	-3.10	Western	Western	ENG1	MN102790	KM892827 <sup>s</sup>
373	Roslin	Great Britain	55.84	-3.10	Western		ENG1	MN102790	
374	Roslin	Great Britain	55.84	-3.10	Western		ENG1	MN102790	
375	Pickering	Great Britain	54.25	-0.69	Western		ENG1	MN102790	
376	Pickering	Great Britain	54.25	-0.69	Western		ENG1	MN102790	
377	Pickering	Great Britain	54.25	-0.69	Western		ENG1	MN102790	
378	Pickering	Great Britain	54.25	-0.69	Western		ENG1	MN102790	
379	Pickering	Great Britain	54.25	-0.69	Western		ENG1	MN102849	
380	Pickering	Great Britain	54.25	-0.69	Western		ENG1	MN102790	
381	Pickering	Great Britain	54.25	-0.69	Western		ENG1	MN102849	
382	Pickering	Great Britain	54.25	-0.69	Western		ENG1	MN102790	
383	Heslington	Great Britain	53.93	-1.01	Western		ENG1	MN102790	
384	Heslington	Great Britain	53.93	-1.01	Western		ENG1	MN102790	
385	Heslington	Great Britain	53.93	-1.01	Western		ENG1	MN102790	
386	Heslington	Great Britain	53.93	-1.01	Western		ENG1	MN102790	
387	Heslington	Great Britain	53.93	-1.01	Western		ENG1	MN102790	
388	Heslington	Great Britain	53.93	-1.01	Western		ENG1	MN102790	
389	Heslington	Great Britain	53.93	-1.01	Western		ENG1	MN102790	
390	Heslington	Great Britain	53.93	-1.01	Western		ENG1	MN102790	
391	Heslington	Great Britain	53.93	-1.01	Western		ENG1	MN102790	
392	Heslington	Great Britain	53.93	-1.01	Western		ENG1	MN102848	
393	Heslington	Great Britain	53.93	-1.01	Western	Western	ENG1	MN102850	MN103027
394	Heslington	Great Britain	53.93	-1.01	Western	Western	ENG1	MN102851	MN103028
395	Heslington	Great Britain	53.93	-1.01	Western		ENG1	MN102851	

No.	Locality	Country	Lat.	Long.	<i>mt-Cytb</i> lineage	mitogenome lineage	SNP cluster	GenBank Accession No. <i>mt-Cytb</i>	GenBank Accession No. mitogenome
396	Heslington	Great Britain	53.93	-1.01	Western		ENG1	MN102850	
397	Heslington	Great Britain	53.93	-1.01	Western	Western	ENG1	MN102850	MN103030
398	Heslington	Great Britain	53.93	-1.01	Western		ENG1	MN102850	
399	Heslington	Great Britain	53.93	-1.01	Western		ENG1	MN102850	
400	Heslington	Great Britain	53.93	-1.01	Western	Western		MN102851	MN103029
401	Heslington	Great Britain	53.93	-1.01	Western		ENG1	MN102851	
402	Heslington	Great Britain	53.93	-1.01	Western		ENG1	MN102851	
403	Wicken	Great Britain	52.32	0.27	Western		ENG2	MN102855	
404	Wicken	Great Britain	52.32	0.27	Western		ENG2	MN102856	
405	Wicken	Great Britain	52.28	0.27			ENG2		
406	Wicken	Great Britain	52.28	0.27	Western		ENG2	MN102855	
407	Wicken	Great Britain	52.28	0.27	Western		ENG2	MN102884	
408	Wicken	Great Britain	52.28	0.27	Western		ENG2	MN102886	
409	Wicken	Great Britain	52.28	0.27	Carpathian		ENG2	MN102887	
410	Wicken	Great Britain	52.28	0.27	Western		ENG2	MN102855	
411	Wicken	Great Britain	52.28	0.27	Carpathian			MN102888	
412	Wicken	Great Britain	52.28	0.27	Western		ENG2	MN102885	
413	Cirencester	Great Britain	51.77	-1.89	Western	Western	ENG2	DQ472294	MN103053
414	Cirencester	Great Britain	51.77	-1.89	Western		ENG2	MN102790	
415	Cirencester	Great Britain	51.77	-1.89	Western	Western	ENG2	MN102898	KM892831 <sup>§</sup>
416	Cirencester	Great Britain	51.77	-1.89	Western	Western	ENG2	MN102898	MN103054
417	Cirencester	Great Britain	51.77	-1.89	Western		ENG2	MN102898	
418	Cirencester	Great Britain	51.77	-1.89	Western	Western	ENG2	MN102899	MN103055
419	Cirencester	Great Britain	51.77	-1.89	Western		ENG2	MN102899	
420	Cirencester	Great Britain	51.77	-1.89	Western		ENG2	MN102790	
421	Cirencester	Great Britain	51.77	-1.89	Western		ENG2	MN102900	
422	Cirencester	Great Britain	51.77	-1.89	Western		ENG2	MN102901	
423	North Hill	Great Britain	50.56	-4.45	Carpathian		ENG2	MN102891	
424	North Hill	Great Britain	50.56	-4.45	Carpathian		ENG2	MN102892	
425	North Hill	Great Britain	50.56	-4.45	Carpathian		ENG2	MN102892	
426	North Hill	Great Britain	50.56	-4.45	Carpathian		ENG2	MN102893	
427	North Hill	Great Britain	50.56	-4.45	Carpathian	SWE	ENG2	MN102889	MN103050
428	North Hill	Great Britain	50.56	-4.45	Carpathian	SWE	ENG2	MN102889	MN103051

No.	Locality	Country	Lat.	Long.	<i>mt-Cytb</i> lineage	mitogenome lineage	SNP cluster	GenBank Accession No. <i>mt-Cytb</i>	GenBank Accession No. mitogenome
429	North Hill	Great Britain	50.56	-4.45	Carpathian	SWE	ENG2	MN102890	MN103052
430	Diptford	Great Britain	50.41	-3.75	Carpathian	SWE	ENG2	MN102857	MN103039
431	Diptford	Great Britain	50.41	-3.75	Carpathian		ENG2	MN102858	
432	Diptford	Great Britain	50.41	-3.75	Carpathian		ENG2	MN102857	
433	Diptford	Great Britain	50.41	-3.75	Carpathian	SWE	ENG2	MN102858	MN103040
434	Diptford	Great Britain	50.41	-3.75	Carpathian		ENG2	MN102857	
435	Diptford	Great Britain	50.41	-3.75	Carpathian		ENG2	MN102857	
436	Diptford	Great Britain	50.41	-3.75	Carpathian	SWE	ENG2	MN102857	MN103038
437	Diptford	Great Britain	50.41	-3.75	Carpathian		ENG2	MN102857	
438	Diptford	Great Britain	50.41	-3.75	Carpathian		ENG2	MN102858	
439	Diptford	Great Britain	50.41	-3.75	Carpathian	SWE	ENG2	MN102857	KM892829 <sup>s</sup>
440	Lizard Peninsula	Great Britain	50.05	-5.25	Carpathian		ENG2	MN102894	
441	Lizard Peninsula	Great Britain	50.05	-5.25	Carpathian		ENG2	MN102894	
442	Lizard Peninsula	Great Britain	50.05	-5.25	Carpathian		ENG2	MN102895	
443	Lizard Peninsula	Great Britain	50.05	-5.25	Carpathian		ENG2	MN102896	
444	Lizard Peninsula	Great Britain	50.05	-5.25	Carpathian		ENG2	MN102897	
445	Lizard Peninsula	Great Britain	50.05	-5.25	Carpathian		ENG2	MN102895	
446	Lizard Peninsula	Great Britain	50.05	-5.25	Carpathian		ENG2	MN102895	
447	Lizard Peninsula	Great Britain	50.05	-5.25	Carpathian		ENG2	MN102895	
448	Lizard Peninsula	Great Britain	50.05	-5.25	Carpathian		ENG2	MN102895	
449	Lizard Peninsula	Great Britain	50.05	-5.25	Carpathian		ENG2	MN102895	
450	Neuborn	Germany	54.41	9.38	Western		DEN	MN102815	
451	Neuborn	Germany	54.41	9.38	Eastern		DEN	MN102816	
452	Neuborn	Germany	54.41	9.38	Eastern		DEN	MN102817	
453	Neuborn	Germany	54.41	9.38	Eastern		DEN	MN102817	
454	Neuborn	Germany	54.41	9.38	Eastern		DEN	MN102818	
455	Neuborn	Germany	54.41	9.38	Western		DEN	MN102815	
456	Neuborn	Germany	54.41	9.38	Eastern		DEN	MN102818	
457	Neuborn	Germany	54.41	9.38	Eastern		DEN	MN102818	
458	Neuborn	Germany	54.41	9.38	Eastern		DEN	MN102819	
459	Neuborn	Germany	54.41	9.38	Eastern		DEN	MN102816	
460	Cuxhaven	Germany	53.80	8.59	Western		GER2	MN102820	
461	Cuxhaven	Germany	53.80	8.59	Western		GER2	MN102820	

No.	Locality	Country	Lat.	Long.	<i>mt-Cytb</i> lineage	mitogenome lineage	SNP cluster	GenBank Accession No. <i>mt-Cytb</i>	GenBank Accession No. mitogenome
462	Cuxhaven	Germany	53.80	8.59	Western		GER2	MN102820	
463	Cuxhaven	Germany	53.80	8.59	Western		GER2	MN102820	
464	Cuxhaven	Germany	53.80	8.59	Western		GER2	MN102821	
465	Cuxhaven	Germany	53.80	8.59	Western		GER2	MN102820	
466	Cuxhaven	Germany	53.80	8.59	Western		GER2	MN102820	
467	Cuxhaven	Germany	53.80	8.59	Western		GER2	MN102821	
468	Cuxhaven	Germany	53.80	8.59	Western		GER2	MN102820	
469	Cuxhaven	Germany	53.80	8.59	Western		GER2	MN102821	
470	Ratzerburg	Germany	53.68	10.75	Western		DEN	MN102823	
471	Ratzerburg	Germany	53.68	10.75	Eastern		DEN	MN102824	
472	Ratzerburg	Germany	53.68	10.75	Western		DEN	MN102823	
473	Ratzerburg	Germany	53.68	10.75	Western		DEN	MN102825	
474	Ratzerburg	Germany	53.68	10.75	Western		DEN	MN102826	
475	Ratzerburg	Germany	53.68	10.75	Western		DEN	MN102827	
476	Ratzerburg	Germany	53.68	10.75	Western		DEN	MN102825	
477	Ratzerburg	Germany	53.68	10.75	Western			MN102828	
478	Ratzerburg	Germany	53.68	10.75	Western		DEN	MN102823	
479	Ratzerburg	Germany	53.68	10.75	Western		DEN	MN102829	
480	Hage	Germany	53.62	7.27	Eastern		GER1	MN102822	
481	Hage	Germany	53.62	7.27	Eastern		GER1	MN102822	
482	Hage	Germany	53.62	7.27	Eastern		GER1	MN102822	
483	Hage	Germany	53.62	7.27	Eastern		GER1	MN102822	
484	Hage	Germany	53.62	7.27	Eastern		GER1	MN102822	
485	Hage	Germany	53.62	7.27	Eastern		GER1	MN102822	
486	Hage	Germany	53.62	7.27	Eastern		GER1	MN102822	
487	Hage	Germany	53.62	7.27	Eastern		GER1	MN102822	
488	Hage	Germany	53.62	7.27	Eastern		GER1	MN102822	
489	Hage	Germany	53.62	7.27	Eastern		GER1	MN102822	
490	Havelberg	Germany	52.84	12.10	Eastern		GER1	MN102830	
491	Havelberg	Germany	52.84	12.10	Eastern		GER1	MN102830	
492	Havelberg	Germany	52.84	12.10	Eastern		GER1	MN102830	
493	Havelberg	Germany	52.84	12.10	Western		GER1	MN102831	
494	Havelberg	Germany	52.84	12.10	Western		GER1	MN102832	



No.	Locality	Country	Lat.	Long.	<i>mt-Cytb</i> lineage	mitogenome lineage	SNP cluster	GenBank Accession No. <i>mt-Cytb</i>	GenBank Accession No. mitogenome
495*	Letzlingen	Germany	52.50	11.46		Western			KM892821 <sup>§</sup>
496	Linda	Germany	51.86	13.06	Carpathian	CAR	Carpathian	MN102833	MN103068
497	Linda	Germany	51.86	13.06	Western		Carpathian	MN102771	
498	Linda	Germany	51.86	13.06	Carpathian		Carpathian	MN102833	
499	Linda	Germany	51.86	13.06	Western		Carpathian	MN102771	
500	Linda	Germany	51.86	13.06	Western		Carpathian	MN102771	
501	Hakel forest	Germany	51.78	11.15	Western		GER1	MN102771	
502	Hakel forest	Germany	51.78	11.15	Western		GER1	MN102771	
503	Hakel forest	Germany	51.78	11.15	Western		GER1	MN102772	
504	Hakel forest	Germany	51.78	11.15	Western		GER1	MN102772	
505	Hakel forest	Germany	51.78	11.15	Western		GER1	MN102771	
506	Hakel forest	Germany	51.78	11.15	Western		GER1	MN102772	
507	Hakel forest	Germany	51.78	11.15	Western		GER1	MN102771	
508	Hakel forest	Germany	51.78	11.15	Western		GER1	MN102771	
509	Hakel forest	Germany	51.78	11.15	Western		GER1	MN102771	
510	Heidenheim	Germany	49.02	10.73			GER1		
511	Heidenheim	Germany	49.02	10.73	Western			MN102789	
512	Heidenheim	Germany	49.02	10.73	Western			MN102790	
513	Heidenheim	Germany	49.02	10.73			GER1		
514	Heidenheim	Germany	49.02	10.73			GER1		
515	Heidenheim	Germany	49.02	10.73			GER1		
516	Heidenheim	Germany	49.02	10.73			GER1		
517	Heidenheim	Germany	49.02	10.73			GER1		
518	Heidenheim	Germany	49.02	10.73			GER1		
519	Heidenheim	Germany	49.02	10.73			GER1		
520	Heidenheim	Germany	49.02	10.73			GER1		
521	Urwitalt	Poland	53.80	21.65	Eastern	Eastern	Eastern	FJ881489 <sup>‡</sup>	KM892818 <sup>§</sup>
522	Urwitalt	Poland	53.80	21.65	Eastern		Eastern	FJ881489 <sup>‡</sup>	
523	Urwitalt	Poland	53.80	21.65	Eastern		Eastern	FJ881490 <sup>‡</sup>	
524	Urwitalt	Poland	53.80	21.65	Eastern		Eastern	FJ881489 <sup>‡</sup>	
525	Urwitalt	Poland	53.80	21.65	Carpathian	CAR	Eastern	MN102799	MN103065
526	Urwitalt	Poland	53.80	21.65	Eastern		Eastern	FJ881489 <sup>‡</sup>	
527	Urwitalt	Poland	53.80	21.65	Eastern		Eastern	FJ881489 <sup>‡</sup>	

No.	Locality	Country	Lat.	Long.	<i>mt-Cytb</i> lineage	mitogenome lineage	SNP cluster	GenBank Accession No. <i>mt-Cytb</i>	GenBank Accession No. mitogenome
528	Urwitalt	Poland	53.80	21.65	Carpathian		Eastern	MN102799	
529	Urwitalt	Poland	53.80	21.65	Eastern		Eastern	FJ881490	
530	Urwitalt	Poland	53.80	21.65	Eastern		Eastern	FJ881489	
531	Bialowieza	Poland	52.73	23.85	Eastern		Eastern	FJ881484 <sup>‡</sup>	
532	Bialowieza	Poland	52.73	23.85	Eastern		Eastern	FJ881485 <sup>‡</sup>	
533	Bialowieza	Poland	52.73	23.85	Eastern		Eastern	FJ881486 <sup>‡</sup>	
534	Bialowieza	Poland	52.73	23.85	Eastern		Eastern	FJ881487 <sup>‡</sup>	
535	Bialowieza	Poland	52.73	23.85	Eastern		Eastern	MN102776	
536	Bialowieza	Poland	52.73	23.85	Eastern		Eastern	FJ881488 <sup>‡</sup>	
537	Bialowieza	Poland	52.73	23.85	Eastern		Eastern	FJ881486	
538	Bialowieza	Poland	52.73	23.85	Eastern		Eastern	MN102777	
539	Bialowieza	Poland	52.73	23.85			Eastern		
540	Kobylnica	Poland	52.45	17.10	Carpathian	CAR	Carpathian	MN102799	MN103066
541	Kobylnica	Poland	52.45	17.10	Carpathian		Carpathian	FJ881491 <sup>‡</sup>	
542	Kobylnica	Poland	52.45	17.10	Carpathian		Carpathian	FJ881492 <sup>‡</sup>	
543	Kobylnica	Poland	52.45	17.10	Carpathian		Carpathian	FJ881492 <sup>‡</sup>	
544	Polichno	Poland	51.47	19.82	Carpathian	CAR	Carpathian	FJ881481 <sup>‡</sup>	MN103061
545	Polichno	Poland	51.47	19.82	Carpathian		Carpathian	FJ881481 <sup>‡</sup>	
546	Polichno	Poland	51.47	19.82	Carpathian		Carpathian	FJ881482 <sup>‡</sup>	
547	Polichno	Poland	51.47	19.82	Carpathian		Carpathian	FJ881483 <sup>‡</sup>	
548	Bakkeveen	Netherlands	53.07	6.24	Western	Western	GER1	MN102846	MN103019
549	Bakkeveen	Netherlands	53.07	6.24	Western	Western	GER1	MN102846	MN103020
550	Bakkeveen	Netherlands	53.07	6.24	Western	Western	GER1	MN102846	MN103021
551	Bakkeveen	Netherlands	53.07	6.24	Western		GER1	MN102846	
552	Bakkeveen	Netherlands	53.07	6.24	Western		GER1	MN102846	
553	Callantsoog	Netherlands	52.80	4.70	Western	Western	NLD	MN102847	MN103022
554	Callantsoog	Netherlands	52.80	4.70	Western	Western	NLD	MN102847	MN103023
555	Callantsoog	Netherlands	52.80	4.70	Western		NLD	MN102847	
556	Callantsoog	Netherlands	52.80	4.70	Western		NLD	MN102847	
557	Callantsoog	Netherlands	52.80	4.70	Western		NLD	MN102847	
558	Noordwijk	Netherlands	52.25	4.47	Western		NLD	MN102847	
559	Noordwijk	Netherlands	52.25	4.47	Western		NLD	MN102796	
560	Noordwijk	Netherlands	52.25	4.47	Western	Western	NLD	MN102847	MN103024

No.	Locality	Country	Lat.	Long.	<i>mt-Cytb</i> lineage	mitogenome lineage	SNP cluster	GenBank Accession No. <i>mt-Cytb</i>	GenBank Accession No. mitogenome
561	Noordwijk	Netherlands	52.25	4.47	Western	Western	NLD	MN102796	MN103025
562	Noordwijk	Netherlands	52.25	4.47	Western		NLD	MN102847	
563	Noordwijk	Netherlands	52.25	4.47	Western	Western	NLD	MN102796	MN103026
564	Dieren	Netherlands	52.07	6.08	Western	Western	GER1	MN102844	KM892826 <sup>§</sup>
565	Dieren	Netherlands	52.07	6.08	Western	Western	GER1	MN102844	MN103017
566	Dieren	Netherlands	52.07	6.08	Western	Western	GER1	MN102845	MN103018
567	Dieren	Netherlands	52.07	6.08	Western		GER1	MN102844	
568	Dieren	Netherlands	52.07	6.08	Western		GER1	MN102844	
569	Dieren	Netherlands	52.07	6.08	Western		GER1	MN102844	
570	Dieren	Netherlands	52.07	6.08	Western		GER1	MN102844	
571	Dieren	Netherlands	52.07	6.08	Western		GER1	MN102844	
572	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN103008	
573	Chernobyl	Ukraine	51.21	30.02			Eastern		
574	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN103009	
575	Chernobyl	Ukraine	51.21	30.02	Eastern			MN102776	
576	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN103010	
577	Chernobyl	Ukraine	51.21	30.02	Eastern			MN103013	
578	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN102776	
579	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN102776	
580	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN102776	
581	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN102776	
582	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN103011	
583	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN103010	
584	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN103013	
585	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN103011	
586	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN103010	
587	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN103014	
588	Chernobyl	Ukraine	51.21	30.02	Eastern			MN103014	
589	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN102776	
590	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN103012	
591	Chernobyl	Ukraine	51.21	30.02	Eastern			MN102776	
592	Chernobyl	Ukraine	51.21	30.02	Eastern			MN102776	
593	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN103015	

No.	Locality	Country	Lat.	Long.	<i>mt-Cytb</i> lineage	mitogenome lineage	SNP cluster	GenBank Accession No. <i>mt-Cytb</i>	GenBank Accession No. mitogenome
594	Chernobyl	Ukraine	51.21	30.02	Eastern		Eastern	MN103016	
595	Pihen-lé-Guines	France	50.87	1.82	Western		GER1	MN102790	
596	Pihen-lé-Guines	France	50.87	1.82	Western		GER1	MN102835	
597	Pihen-lé-Guines	France	50.87	1.82	Western		GER1	MN102790	
598	Ribeaville	France	50.17	1.63	Western		GER1	MN102834	
599	Ribeaville	France	50.17	1.63	Western		GER1	MN102790	
600	Ribeaville	France	50.17	1.63	Western		GER1	MN102790	
601	Vimoutiers	France	48.92	0.20	Western		Western	MN102901	
602	Vimoutiers	France	48.92	0.20	Western		Western	MN102782	
603	Vimoutiers	France	48.92	0.20	Western		Western	MN102902	
604	Vimoutiers	France	48.92	0.20	Western		Western	MN102782	
605	St Jean-le-Thomas	France	48.72	1.52	Western		Western	MN102836	
606	St Jean-le-Thomas	France	48.72	1.52	Western		Western	MN102836	
607	St Jean-le-Thomas	France	48.72	1.52	Western		Western	MN102837	
608	St Jean-le-Thomas	France	48.72	1.52	Western		Western	MN102837	
609	St Jean-le-Thomas	France	48.72	1.52	Western		Western	MN102837	
610	Belle-Ile-en-Mer	France	47.34	-3.17			Western		
611	Belle-Ile-en-Mer	France	47.34	-3.17			Western		
612	Belle-Ile-en-Mer	France	47.34	-3.17	Western		Western	MN102806	
613	Belle-Ile-en-Mer	France	47.34	-3.17			Western		
614	Belle-Ile-en-Mer	France	47.34	-3.17			Western		
615	Belle-Ile-en-Mer	France	47.34	-3.17			Western		
616	Le Quartier	France	46.14	2.73	Western		Western	MN102795	
617	Le Quartier	France	46.14	2.73	Western		Western	MN102796	
618	Le Quartier	France	46.14	2.73	Western		Western	MN102793	
619	Le Quartier	France	46.14	2.73	Western		Western	MN102793	
620	Le Quartier	France	46.14	2.73	Western		Western	MN102797	
621	Bussi�res	France	46.04	2.65	Western		Western	MN102793	
622	Bussi�res	France	46.04	2.65	Western		Western	MN102794	
623	Bussi�res	France	46.04	2.65	Western		Western	MN102790	
624	Bussi�res	France	46.04	2.65	Western		Western	MN102793	
625	Dontreix	France	46.00	2.55	Western		Western	MN102798	
626	Dontreix	France	46.00	2.55	Western		Western	MN102795	

No.	Locality	Country	Lat.	Long.	<i>mt-Cytb</i> lineage	mitogenome lineage	SNP cluster	GenBank Accession No. <i>mt-Cytb</i>	GenBank Accession No. mitogenome
627	Dontreix	France	46.00	2.55	Western	Spanish	Western	MN102795	KM892825 <sup>§</sup>
628	Dontreix	France	46.00	2.55	Western			MN102798	
629	Dontreix	France	46.00	2.55	Western			MN102796	
630	Pyrenees	France	43.25	-0.12	Spanish			MN102842	
631	Pyrenees	France	43.25	-0.12	Spanish		Spanish	MN102843	
632	Pyrenees	France	43.25	-0.12	Spanish		Spanish	MN102843	
633	Pyrenees	France	43.25	-0.12	Spanish		Spanish	MN102843	
634	Pyrenees	France	43.25	-0.12	Spanish		Spanish	MN102843	
635	Pyrenees	France	43.25	-0.12	Spanish		Spanish	MN102843	
636	Pyrenees	France	43.25	-0.12	Spanish		Spanish	MN102843	
637	Pyrenees	France	43.25	-0.12	Spanish		Spanish	MN102843	
638	Pyrenees	France	43.25	-0.12	Spanish		Spanish	MN102843	
639	Pyrenees	France	43.25	-0.12			Spanish		
640	Pyrenees	France	43.25	-0.12	Spanish		Spanish	MN102843	
641	Mšec	Czech Republic	50.21	13.90	Carpathian	CAR	Carpathian	MN102766	MN103057
642	Mšec	Czech Republic	50.21	13.90	Western		Carpathian	DQ472342 <sup>†</sup>	
643	Mšec	Czech Republic	50.21	13.90	Western		Carpathian	DQ472342 <sup>†</sup>	
644	Mšec	Czech Republic	50.21	13.90	Western		Carpathian	MN102767	
645	Mšec	Czech Republic	50.21	13.90	Carpathian		Carpathian	MN102766	
646	Mšec	Czech Republic	50.21	13.90	Carpathian		Carpathian	MN102766	
647	Mšec	Czech Republic	50.21	13.90	Western		Carpathian	DQ472342	
648	Mšec	Czech Republic	50.21	13.90	Carpathian		Carpathian	MN102766	
649	Mšec	Czech Republic	50.21	13.90	Western		Carpathian	DQ472342	
650	Frýdek-Místek	Czech Republic	49.70	18.38	Carpathian		Carpathian	MN102753	
651	Frýdek-Místek	Czech Republic	49.70	18.38	Carpathian		Carpathian	MN102753	
652	Frýdek-Místek	Czech Republic	49.70	18.38	Carpathian		Carpathian	MN102753	
653	Frýdek-Místek	Czech Republic	49.70	18.38	Carpathian		Carpathian	DQ472288 <sup>†</sup>	
654	Frýdek-Místek	Czech Republic	49.70	18.38	Carpathian		Carpathian	MN102753	
655	Frýdek-Místek	Czech Republic	49.70	18.38	Carpathian		Carpathian	DQ472286 <sup>†</sup>	
656	Frýdek-Místek	Czech Republic	49.70	18.38	Carpathian		Carpathian	DQ472287 <sup>†</sup>	
657	Frýdek-Místek	Czech Republic	49.70	18.38	Carpathian		Carpathian	DQ472286 <sup>†</sup>	
658	Frýdek-Místek	Czech Republic	49.70	18.38	Carpathian		Carpathian	DQ472287 <sup>†</sup>	
659	Frýdek-Místek	Czech Republic	49.70	18.38	Carpathian		Carpathian	DQ472287 <sup>†</sup>	

No.	Locality	Country	Lat.	Long.	<i>mt-Cytb</i> lineage	mitogenome lineage	SNP cluster	GenBank Accession No. <i>mt-Cytb</i>	GenBank Accession No. mitogenome
660*	Uherský Brod	Czech Republic	49.01	17.76		CAR			KM892810 <sup>§</sup>
661	České Budejovice	Czech Republic	48.98	14.43	Carpathian		Carpathian	MN102755	
662	České Budejovice	Czech Republic	48.98	14.43	Western		Carpathian	DQ472292 <sup>†</sup>	
663	České Budejovice	Czech Republic	48.98	14.43	Western		Carpathian	DQ472293 <sup>†</sup>	
664	České Budejovice	Czech Republic	48.98	14.43	Western		Carpathian	DQ472294 <sup>†</sup>	
665	České Budejovice	Czech Republic	48.98	14.43	Western		Carpathian	MN102756	
666	České Budejovice	Czech Republic	48.98	14.43	Carpathian		Carpathian	DQ472291 <sup>†</sup>	
667	České Budejovice	Czech Republic	48.98	14.43	Carpathian		Carpathian	MN102754	
668	Jezersko	Slovakia	49.30	20.35	Carpathian		Carpathian	DQ472262 <sup>†</sup>	
669	Jezersko	Slovakia	49.30	20.35	Carpathian		Carpathian	DQ472262 <sup>†</sup>	
670	Jezersko	Slovakia	49.30	20.35	Carpathian		Carpathian	DQ472262 <sup>†</sup>	
671	Jezersko	Slovakia	49.30	20.35	Carpathian		Carpathian	DQ472262 <sup>†</sup>	
672	Jezersko	Slovakia	49.30	20.35	Carpathian		Carpathian	MN102752	
673	Jezersko	Slovakia	49.30	20.35	Carpathian		Carpathian	DQ472262 <sup>†</sup>	
674	Jezersko	Slovakia	49.30	20.35	Carpathian		Carpathian	DQ472262 <sup>†</sup>	
675	Jezersko	Slovakia	49.30	20.35	Carpathian		Carpathian	DQ472262	
676	Jezersko	Slovakia	49.30	20.35	Carpathian		Carpathian	DQ472262	
677	Vysoké Tatry	Slovakia	49.15	20.16	Carpathian		Carpathian	MN102785	
678	Vysoké Tatry	Slovakia	49.15	20.16	Carpathian		Carpathian	MN102807	
679	Vysoké Tatry	Slovakia	49.15	20.16	Carpathian		Carpathian	MN102810	
680	Vysoké Tatry	Slovakia	49.15	20.16	Carpathian		Carpathian	MN102807	
681	Vysoké Tatry	Slovakia	49.15	20.16	Carpathian		Carpathian	MN102807	
682	Vysoké Tatry	Slovakia	49.15	20.16	Carpathian		Carpathian	MN102807	
683	Vysoké Tatry	Slovakia	49.15	20.16	Carpathian	CAR	Carpathian	MN102755	KM892820 <sup>§</sup>
684	Vysoké Tatry	Slovakia	49.15	20.16	Western		Carpathian	MN102808	
685	Vysoké Tatry	Slovakia	49.15	20.16	Carpathian		Carpathian	MN102809	
686	Vysoké Tatry	Slovakia	49.15	20.16	Carpathian		Carpathian	MN102807	
687*	Remetské Hámre	Slovakia	48.84	22.18		Eastern			KM892811 <sup>§</sup>
688	Pravenec	Slovakia	48.84	18.66	Carpathian		Carpathian	MN102783	
689	Pravenec	Slovakia	48.84	18.66	Carpathian		Carpathian	MN102784	
690	Pravenec	Slovakia	48.84	18.66	Carpathian		Carpathian	MN102784	
691	Pravenec	Slovakia	48.84	18.66	Carpathian		Carpathian	MN102785	
692	Pravenec	Slovakia	48.84	18.66	Carpathian		Carpathian	MN102783	

No.	Locality	Country	Lat.	Long.	<i>mt-Cytb</i> lineage	mitogenome lineage	SNP cluster	GenBank Accession No. <i>mt-Cytb</i>	GenBank Accession No. mitogenome
693	Pravenec	Slovakia	48.84	18.66	Carpathian	CAR	Carpathian	MN102786	KM892819 <sup>§</sup>
694	Pravenec	Slovakia	48.84	18.66	Carpathian		Carpathian	MN102786	
695	Pravenec	Slovakia	48.84	18.66	Carpathian		Carpathian	MN102784	
696	Pravenec	Slovakia	48.84	18.66	Western		Carpathian	MN102787	
697	Pravenec	Slovakia	48.84	18.66	Carpathian		Carpathian	MN102788	
698	Krásnohorské Podhradie	Slovakia	48.66	20.61	Carpathian		Carpathian	MN102800	
699	Krásnohorské Podhradie	Slovakia	48.66	20.61	Carpathian		Carpathian	MN102800	
700	Krásnohorské Podhradie	Slovakia	48.66	20.61	Carpathian		Carpathian	MN102800	
701	Krásnohorské Podhradie	Slovakia	48.66	20.61	Carpathian		Carpathian	MN102800	
702	Krásnohorské Podhradie	Slovakia	48.66	20.61	Carpathian		Carpathian	MN102800	
703	Krupina	Slovakia	48.40	19.09	Western		Carpathian	DQ472326	
704	Krupina	Slovakia	48.40	19.09	Carpathian		Carpathian	MN102801	
705	Krupina	Slovakia	48.40	19.09	Carpathian	Western	Carpathian	MN102802	KM892816 <sup>§</sup>
706	Krupina	Slovakia	48.40	19.09	Western		Carpathian	MN102759	
707	Krupina	Slovakia	48.40	19.09	Carpathian		Carpathian	MN102803	
708	Krupina	Slovakia	48.40	19.09	Western		Carpathian	DQ472326	
709	Krupina	Slovakia	48.40	19.09	Western		Carpathian	MN102804	
710	Krupina	Slovakia	48.40	19.09	Western		Carpathian	MN102805	
711	Krupina	Slovakia	48.40	19.09	Western		Carpathian	DQ472326	
712	Krupina	Slovakia	48.40	19.09	Carpathian		Carpathian	DQ472264 <sup>†</sup>	
713	Ócsa	Hungary	47.30	19.22	Western		Pannonian	DQ472345 <sup>†</sup>	KM892809 <sup>§</sup>
714	Ócsa	Hungary	47.30	19.22	Western		Pannonian	DQ472345 <sup>†</sup>	
715	Ócsa	Hungary	47.30	19.22	Western		Pannonian	DQ472326 <sup>†</sup>	
716	Ócsa	Hungary	47.30	19.22	Western		Pannonian	DQ472345 <sup>†</sup>	
717	Ócsa	Hungary	47.30	19.22	Western		Pannonian	DQ472345 <sup>†</sup>	
718	Ócsa	Hungary	47.30	19.22	Western		Pannonian	DQ472345 <sup>†</sup>	
719	Ócsa	Hungary	47.30	19.22	Western		Pannonian	MN102759	
720	Solnik	Bulgaria	42.93	27.65	Balkan	Balkan	Pannonian	DQ472251 <sup>†</sup>	KM892809 <sup>§</sup>
721	Solnik	Bulgaria	42.93	27.65	Balkan		Pannonian	DQ472251 <sup>†</sup>	
722	Solnik	Bulgaria	42.93	27.65	Balkan		Pannonian	DQ472252 <sup>†</sup>	
723	Maramures	Romania	47.48	23.40		CAR			MN103059
724	Feleacu	Romania	46.72	23.62	Eastern		Carpathian	DQ472318 <sup>†</sup>	
725	Feleacu	Romania	46.72	23.62	Eastern		Carpathian	MN102758	

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726	Feleacu	Romania	46.72	23.62	Eastern	CAR	Carpathian	MN102758	MN103056
727	Feleacu	Romania	46.72	23.62	Eastern		Carpathian	MN102758	
728	Feleacu	Romania	46.72	23.62	Eastern		Carpathian	DQ472318 <sup>†</sup>	
729	Bacau	Romania	46.55	26.83	Carpathian		Carpathian	DQ472253 <sup>†</sup>	
730	Bacau	Romania	46.55	26.83	Carpathian		Carpathian	DQ472254 <sup>†</sup>	
731	Bacau	Romania	46.55	26.83	Western		Carpathian	MN102750	
732	Bacau	Romania	46.55	26.83	Carpathian		Carpathian	DQ472255 <sup>†</sup>	
733	Bacau	Romania	46.55	26.83	Carpathian		Carpathian	MN102751	
734	Bacau	Romania	46.55	26.83	Eastern	CAR	Carpathian	DQ472256 <sup>†</sup>	MN103060
735	Retezat Mts.	Romania	45.30	23.83					
736	Morges	Switzerland	46.52	6.50	Western		Western	MN102791	
737	Morges	Switzerland	46.52	6.50	Western		Western	MN102792	
738	Morges	Switzerland	46.52	6.50	Western		Western	MN102792	
739	Morges	Switzerland	46.52	6.50	Western		Western	MN102792	
740	Morges	Switzerland	46.52	6.50	Western			MN102792	
741	Kamnica	Slovenia	46.11	14.67	Western		Pannonian	DQ472323 <sup>†</sup>	
742	Kamnica	Slovenia	46.11	14.67	Carpathian	Balkan	Pannonian	DQ472324 <sup>†</sup>	KM892812 <sup>§</sup>
743	Kamnica	Slovenia	46.11	14.67	Carpathian		Pannonian	DQ472324 <sup>†</sup>	
744	Kamnica	Slovenia	46.11	14.67	Western		Pannonian	DQ472325 <sup>†</sup>	
745	Kamnica	Slovenia	46.11	14.67	Carpathian		Pannonian	DQ472324 <sup>†</sup>	
746	Kamnica	Slovenia	46.11	14.67	Western		Pannonian	MN102759	
747	Plešivica Mts.	Croatia	45.74	15.65	Western		Pannonian	DQ472326 <sup>†</sup>	
748	Plešivica Mts.	Croatia	45.74	15.65	Balkan		Pannonian	MN102760	
749	Plešivica Mts.	Croatia	45.74	15.65	Plešivica		Pannonian	MN102761	
750	Plešivica Mts.	Croatia	45.74	15.65	Western	Western	Pannonian	DQ472326 <sup>†</sup>	KM892814 <sup>§</sup>
751	Plešivica Mts.	Croatia	45.74	15.65	Western		Pannonian	DQ472326 <sup>†</sup>	
752	Plešivica Mts.	Croatia	45.74	15.65	Western		Pannonian	MN102762	
753	Nova Kapela	Croatia	45.14	17.60	Western		Pannonian	MN102759	
754	Nova Kapela	Croatia	45.14	17.60	Western		Pannonian	MN102759	
755	Nova Kapela	Croatia	45.14	17.60	Western		Pannonian	MN102763	
756	Nova Kapela	Croatia	45.14	17.60	Western		Pannonian	MN102759	
757	Nova Kapela	Croatia	45.14	17.60	Western		Pannonian	MN102764	
758	Nova Kapela	Croatia	45.14	17.60	Western		Pannonian	MN102759	



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759	Nova Kapela	Croatia	45.14	17.60	Western	CAR	Pannonian	MN102759	MN103058
760	Nova Kapela	Croatia	45.14	17.60	Western		Pannonian	MN102765	
761	Nova Kapela	Croatia	45.14	17.60	Western		Pannonian	MN102759	
762	Mala Kapela	Croatia	44.83	15.62	Western		Pannonian	MN102773	
763	Mala Kapela	Croatia	44.83	15.62	Western		Pannonian	MN102759	
764	Mala Kapela	Croatia	44.83	15.62	Western		Pannonian	MN102775	
765	Mala Kapela	Croatia	44.83	15.62	Western		Pannonian	MN102773	
766	Mala Kapela	Croatia	44.83	15.62	Western		Pannonian	MN102774	
767	Strmosten	Serbia	44.09	21.64	Western		Pannonian	DQ472297 <sup>†</sup>	
768	Strmosten	Serbia	44.09	21.64	Western		Pannonian	DQ472298 <sup>†</sup>	
769	Strmosten	Serbia	44.09	21.64	Western		Pannonian	DQ472297 <sup>†</sup>	
770	Strmosten	Serbia	44.09	21.64	Western		Pannonian	DQ472297 <sup>†</sup>	
771	Strmosten	Serbia	44.09	21.64	Western		Pannonian	DQ472298 <sup>†</sup>	
772	Strmosten	Serbia	44.09	21.64	Western		Pannonian	DQ472297 <sup>†</sup>	
773	Strmosten	Serbia	44.09	21.64	Carpathian		Pannonian	DQ472295 <sup>†</sup>	
774	Strmosten	Serbia	44.09	21.64	Carpathian		Pannonian	DQ472296 <sup>†</sup>	
775	Strmosten	Serbia	44.09	21.64	Carpathian		Pannonian	DQ472296 <sup>†</sup>	
776	Strmosten	Serbia	44.09	21.64	Carpathian		Pannonian	DQ472296 <sup>†</sup>	
777	Kopaonik Mts.	Serbia	43.24	20.82	Balkan		Pannonian	DQ472300 <sup>†</sup>	
778	Kopaonik Mts.	Serbia	43.24	20.82	Western		Pannonian	MN102757	
779	Kopaonik Mts.	Serbia	43.24	20.82	Western		Pannonian	DQ472302 <sup>†</sup>	
780	Kopaonik Mts.	Serbia	43.24	20.82	Balkan		Pannonian	DQ472300 <sup>†</sup>	
781	Kopaonik Mts.	Serbia	43.24	20.82	Balkan		Pannonian	DQ472303 <sup>†</sup>	
782	Kopaonik Mts.	Serbia	43.24	20.82	Carpathian		Pannonian	DQ472304 <sup>†</sup>	
783	Osogovo Mts.	Macedonia	42.17	22.50	Balkan		Pannonian	MN102838	
784	Osogovo Mts.	Macedonia	42.17	22.50	Balkan		Pannonian	MN102839	
785	Osogovo Mts.	Macedonia	42.17	22.50	Carpathian		Pannonian	MN102840	
786	Osogovo Mts.	Macedonia	42.17	22.50	Balkan		Pannonian	MN102841	
787	Osogovo Mts.	Macedonia	42.17	22.50	Balkan		Pannonian	MN102841	
788	Osogovo Mts.	Macedonia	42.17	22.50	Balkan		Pannonian	MN102838	
789	Osogovo Mts.	Macedonia	42.17	22.50	Balkan		Pannonian	MN102841	
790	Osogovo Mts.	Macedonia	42.17	22.50	Balkan		Pannonian	MN102841	
791	Bolzano	Italy	46.54	11.13	Western		Italian	MN102953	

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792	Bolzano	Italy	46.54	11.13	Western	Western	Italian	MN102954	MN103092
793	Bolzano	Italy	46.54	11.13	Western		Italian	MN102954	
794	Bolzano	Italy	46.54	11.13	Western		Italian	MN102954	
795	Bolzano	Italy	46.54	11.13	Western		Italian	MN102955	
796	Bolzano	Italy	46.54	11.13	Western		Italian	MN102954	
797	Bolzano	Italy	46.54	11.13	Western		Italian	MN102954	
798	Bolzano	Italy	46.54	11.13	Western		Italian	MN102956	
799	Bolzano	Italy	46.54	11.13	Western		Italian	MN102956	
800	Bolzano	Italy	46.54	11.13	Western		Italian	MN102955	
801	Foreste Casentinesi	Italy	43.83	11.84	Italian		Italian	MN102945	
802	Foreste Casentinesi	Italy	43.83	11.84	Italian		Italian	MN102946	
803*	Viterbo	Italy	42.52	12.12		Italian			KM892839 <sup>§</sup>
804	Viterbo	Italy	42.52	12.12	Italian		Italian	MN102926	
805*	Viterbo	Italy	42.52	12.12		Italian			KM892838 <sup>§</sup>
806	Viterbo	Italy	42.52	12.12	Italian		Italian	MN102925	
807	Apulia	Italy	41.90	16.00	Apulia		Calabrian	MN102907	
808	Apulia	Italy	41.90	16.00	Apulia	Apulia	Calabrian	MN102907	KM892834 <sup>§</sup>
809	Apulia	Italy	41.90	16.00	Apulia		Calabrian	MN102907	
810	Apulia	Italy	41.90	16.00	Apulia		Calabrian	MN102907	
811	Rosello	Italy	41.89	14.35	Italian		Calabrian	MN102947	
812	Rosello	Italy	41.89	14.35	Italian		Calabrian	MN102948	
813	Rosello	Italy	41.89	14.35	Italian		Calabrian	MN102949	
814	Rosello	Italy	41.89	14.35	Italian		Calabrian	MN102947	
815	Rosello	Italy	41.89	14.35	Italian		Calabrian	MN102947	
816	Rosello	Italy	41.89	14.35	Italian		Calabrian	MN102950	
817	Rosello	Italy	41.89	14.35	Italian		Calabrian	MN102949	
818	Rosello	Italy	41.89	14.35	Italian		Calabrian	MN102951	
819	Rosello	Italy	41.89	14.35	Italian		Calabrian	MN102948	
820	Rosello	Italy	41.89	14.35	Italian		Calabrian	MN102952	
821	Calabria	Italy	39.35	16.49	Calabrian		Calabrian	MN102903	
822	Calabria	Italy	39.35	16.49			Calabrian		
823	Calabria	Italy	39.35	16.49	Calabrian	Calabrian	Calabrian	MN102904	KM892833 <sup>§</sup>
824	Calabria	Italy	39.35	16.49	Calabrian		Calabrian	MN102904	

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825	Calabria	Italy	39.35	16.49	Calabrian		Calabrian	MN102905	
826	Calabria	Italy	39.35	16.49	Calabrian		Calabrian	MN102904	
827	Calabria	Italy	39.35	16.49	Calabrian		Calabrian	MN102906	
828	Calabria	Italy	39.35	16.49			Calabrian		
829	Calabria	Italy	39.35	16.49			Calabrian		
830*	Calabria	Italy	39.35	16.49		Calabrian			KM892824 <sup>§</sup>
831	Calabria	Italy	39.35	16.49	Calabrian	Calabrian	Calabrian	MN102902	KM892832 <sup>§</sup>
832	Bursa	Turkey	40.12	29.17	Balkan	Balkan	Balkan	MN102768	KM892817 <sup>§</sup>
833	Bursa	Turkey	40.12	29.17	Balkan		Balkan	MN102769	
834	Bursa	Turkey	40.12	29.17	Balkan		Balkan	MN102768	
835	Bursa	Turkey	40.12	29.17	Balkan		Balkan	MN102770	
836	Bursa	Turkey	40.12	29.17	Balkan		Balkan	MN102770	
837	Bursa	Turkey	40.12	29.17	Balkan		Balkan	MN102770	
838	Bursa	Turkey	40.12	29.17	Balkan		Balkan	MN102768	
839	Bursa	Turkey	40.12	29.17	Balkan		Balkan	MN102768	
840	Bursa	Turkey	40.12	29.17	Balkan		Balkan	MN102768	
841	Bursa	Turkey	40.12	29.17	Balkan		Balkan	MN102770	

Note: The latitude and longitude coordinates are approximate and are intended for general location and not to represent the actual site where the specimens were collected.

\* used only in phylogenetic analysis of mitochondrial genome sequences

† data from Kotlík et al. (2006)

‡ data from Wójcik et al. (2010)

§ data from Filipi et al. (2015)