

Supplementary materials

Table S1. The DNA concentration (DNAC in ng/ml) and the size of the amplified PCR fragments for the two microsatellite alleles per locus given in the relative fluorescence units (RFU) from the output of the GeneMapper ver. 4.0 software. the RFU values between 100–2000 RFU are considered as optimal (manual of GeneMapper ver. 4.0 soft).

ID	DNA C	Psyl18	Psyl18	Psyl142	Psyl142	Psyl157	Psyl157	Psyl2	Psyl2	Psyl25	Psyl25	Psyl44	Psyl44	Psyl16	Psyl16
B_1	21	90	95	1739	455	209	209	923	206	1126	1126	54	54	56	56
B_2	25	110	120	2493	1343	794	794	1789	226	1450	1450	328	328	42	42
C_2	22	115	112	1910	4008	797	797	2188	2188	1896	1896	250	255	66	70
T_3	16	112	112	2296	1574	171	171	1833	1833	2033	2033	116	116	41	41
E_1	22	432	432	38	38	38	38	100	69	153	153	267	267	87	87
E_2	23	164	127	82	82	122	122	156	156	77	77	132	132	61	61
P_2	27	83	83	394	251	140	140	161	63	224	224	49	49	81	81

Table S1. Continued.

ID	Spac7.14	Spac7.14	Spac12.5	Spac12.5	Spac11.4	Spac11.4	Pttx4001	Pttx4001	Pttx4011	Pttx4011
B_1	126	91	40	40	597	479	219	219	241	233
B_2	287	117	189	112	86	86	34	34	38	38
C_2	546	546	660	670	33	33	102	110	150	140
T_3	333	315	117	107	1095	1095	40	40	37	37
E_1	31	40	905	308	57	57	67	67	93	93
E_2	33	64	547	547	3550	3600	96	80	56	55
P_2	44	43	30	38	57	56	30	30	70	70



Figure S1. The present-day reference Scots pine populations sampled in Lithuania. Upper left, a 250 years of Scots pine trees in Punia (PUNI) in southerly Lithuania. Upper right, a 90-years-old Scots pine in the wetland of Bargilai (BARG) central Lithuania. Lower left, ca. 200 years old trees in Marcinkonys (MARC) southern Lithuania and ca. 250 years old tree in Juodkrante (JUOD) in the seaside spit of Neringa, the closest to the underwater trees.