Nucleotide variation, haplotypic diversity, and neutrality tests in 22 *Picea abies* loci sequenced across seven populations

		Nucleotide diversity												Haplotype diversity		Neutrality tests	
		Total				Nonsynonymous sites				Silent sites							
Gene	*n*	*L*	*S* (singl.)	θ_{Wt}	π_t[a]	*L*	*S*	θ_{Wa}	π_a	*L*	*S*	θ_{Ws}	π_s	N_h (SD)	H_e (SD)	*D*[a]	*H*
col1	46	3,196	76 (28)	5.41	3.03	881	1	0.26	0.47	2263	74	7.44	4.08	36	0.985 (0.009)	−1.57**	−5.47
cry	52	918	4 (2)	0.97	0.57	595	4	1.49	0.87	321	0	0	0	4	0.418 (0.076)	−0.93	−4.88
ebs	50	730	16 (8)	4.89	2.26	317	2	1.41	0.25	407	14	7.68	3.86	12	0.481 (0.087)	−1.67*	—
gi	48	772	7 (3)	2.04	1.28	243	2	1.85	1.56	521	5	2.16	1.17	7	0.546 (0.073)	−1.00	−1.21
pat1	40	420	3 (1)	1.69	1.95	162	1	1.45	2.37	256	2	1.84	1.70	3	0.396 (0.077)	0.35	−0.04
phynrI	54	759	8 (5)	2.33	1.22	585	4	1.50	0.43	171	4	5.14	3.94	8	0.619 (0.050)	−1.27	0.56
phynrII	35	689	2 (1)	0.71	0.24	535	1	0.45	0.11	152	1	1.60	0.73	3	0.165 (0.082)	−1.28*	0.06
phyo	44	1,776	19 (8)	2.47	1.58	1016	5	1.13	1.35	759	14	4.24	1.88	20	0.910 (0.027)	−1.16	0.21
phyP	49	794	4 (1)	1.13	1.15	599	1	0.37	0.66	193	3	3.49	2.67	5	0.509 (0.073)	0.04	−0.30
phyP2	53	273	5 (2)	4.08	2.05	211	2	2.09	0.53	62	3	10.64	7.20	6	0.440 (0.078)	−1.18	−1.42
vip3	54	762	6 (3)	1.73	0.57*	353	1	0.62	0.10	400	5	2.74	0.99	6	0.234 (0.077)	−1.68**	0.41
se121	41	440	4 (3)	2.14	0.55	ND	ND	ND	ND	ND	ND	ND	ND	5	0.230 (0.086)	−1.76**	0.23
se129	49	275	2 (0)	1.64	1.85	ND	ND	ND	ND	ND	ND	ND	ND	3	0.471 (0.068)	0.24	−0.73
se1100	40	346	6 (0)	4.12	3.95	83	0	0	0	263	6	5.36	5.19	7	0.831 (0.031)	−0.09	0.53
se1151	49	480	8 (5)	3.77	2.11	ND	ND	ND	ND	ND	ND	ND	ND	9	0.687 (0.076)	−1.19	0.40
se1358	49	447	8 (3)	4.01	2.88	355	4	2.53	1.54	92	4	9.77	8.04	8	0.684 (0.056)	−0.78	0.32
se1364	47	552	4 (1)	1.64	1.32	228	0	0	0	321	4	2.83	2.28	5	0.423 (0.080)	−0.44	0.59
se1368	47	429	5 (3)	2.66	1.04	87	1	2.59	0.49	340	4	2.67	1.19	4	0.201 (0.048)	−1.49	−2.98
se1390	49	495	13 (4)	5.89	4.83	309	4	2.91	2.88	182	9	11.06	8.25	15	0.922 (0.015)	−0.54	1.33
se1391	47	503	4 (1)	1.80	1.02	ND	ND	ND	ND	ND	ND	ND	ND	4	0.304 (0.083)	−0.99	0.46
xy225	48	209	6 (3)	6.47	3.42	50	0	0	0	155	6	8.74	4.63	7	0.582 (0.074)	−1.21	0.62
xy1420	49	571	20 (4)	7.86	6.81*	400	5	2.80	2.31	169	15	21.24	17.56	21	0.955 (0.011)	−0.56	−4.22
Total	—	15,836	230 (89)	—	—	7109	38	—	—	7288	175	—	—	207	—	—	
Average	47	719	10.5 (4)	3.16	2.08	—	—	1.30	0.88	—	—	5.81	3.99	9 (8)	0.545 (0.254)	−0.92	−0.74