

PICEA ABIES POPULATIONS - STUDIED BY MOLECULAR MARKERS											
	Population Longitude (Degrees-minutes-seconds e.g. 66° 31' 32.34" N)	Population Latitude (Degrees-minutes-seconds e.g. 25° 31' 06.66" E)	Population Elevation (if possible Minimum - Maximum, e.g. 100-400 m.)	Population Characterization (Marginal/Peripheral or NOT)	Type of marginality (distribution/ecology)	Dynamic in situ conservation (Y/N)	Year of collection	Type of material collected (buds, leaves, etc.)	Marker type	Marker type	Marker type
Switzerland	14,6000	46,5000				N		needles	Mt - DNA /single marker		
Switzerland	13,9958	46,6431				N		needles	Mt - DNA /single marker		
Switzerland	13,5292	46,6958				N		needles	Mt - DNA /single marker		
Switzerland	14,1778	46,8389				N		needles	Mt - DNA /single marker		
Switzerland	10,6000	46,9000				N		needles	Mt - DNA /single marker		
Switzerland	13,7889	46,9611				N		needles	Mt - DNA /single marker		
Switzerland	10,4000	47,0000				N		needles	Mt - DNA /single marker		
Switzerland	12,5000	47,0000				N		needles	Mt - DNA /single marker		
Switzerland	14,4000	47,0000				N		needles	Mt - DNA /single marker		
Switzerland	13,9417	47,0583				N		needles	Mt - DNA /single marker		
Switzerland	12,9917	47,0778				N		needles	Mt - DNA /single marker		
Switzerland	9,8708	47,0825				N		needles	Mt - DNA /single marker		
Switzerland	13,1800	47,1330				N		needles	Mt - DNA /single marker		
Switzerland	13,8778	47,1694				N		needles	Mt - DNA /single marker		
Switzerland	15,4000	47,2000				N		needles	Mt - DNA /single marker		
Switzerland	11,7278	47,2569				N		needles	Mt - DNA /single marker		
Switzerland	10,4000	47,3000				N		needles	Mt - DNA /single marker		
Switzerland	10,9000	47,3000				N		needles	Mt - DNA /single marker		
Switzerland	11,2000	47,3000				N		needles	Mt - DNA /single marker		
Switzerland	13,6000	47,3000				N		needles	Mt - DNA /single marker		
Switzerland	15,0000	47,3000				N		needles	Mt - DNA /single marker		
Switzerland	10,7000	47,4000				N		needles	Mt - DNA /single marker		
Switzerland	12,4000	47,5000				N		needles	Mt - DNA /single marker		
Switzerland	12,8000	47,5000				N		needles	Mt - DNA /single marker		
Switzerland	14,1000	47,5000				N		needles	Mt - DNA /single marker		

Switzerland	15,4000	47,5000				N		needles	Mt - DNA /single marker
Switzerland	13,5569	47,5083				N		needles	Mt - DNA /single marker
Switzerland	13,8920	47,5208				N		needles	Mt - DNA /single marker
Switzerland	15,0333	47,5208				N		needles	Mt - DNA /single marker
Switzerland	14,6830	47,5420				N		needles	Mt - DNA /single marker
Switzerland	11,6319	47,5556				N		needles	Mt - DNA /single marker
Switzerland	12,2458	47,6167				N		needles	Mt - DNA /single marker
Switzerland	13,5333	47,6278				N		needles	Mt - DNA /single marker
Switzerland	16,0000	47,7000				N		needles	Mt - DNA /single marker
Switzerland	16,4000	47,7000				N		needles	Mt - DNA /single marker
Switzerland	15,5000	48,0000				N		needles	Mt - DNA /single marker
Switzerland	13,2917	48,0833				N		needles	Mt - DNA /single marker
Switzerland	13,7000	48,1000				N		needles	Mt - DNA /single marker
Switzerland	14,9903	48,3875				N		needles	Mt - DNA /single marker
Switzerland	15,0931	48,4167				N		needles	Mt - DNA /single marker
Switzerland	15,1847	48,4333				N		needles	Mt - DNA /single marker
Switzerland	14,2597	48,5764				N		needles	Mt - DNA /single marker
Switzerland	14,7333	48,5764				N		needles	Mt - DNA /single marker
Switzerland	15,5000	48,6000				N		needles	Mt - DNA /single marker
Switzerland	13,8903	48,7625				N		needles	Mt - DNA /single marker
Switzerland	19,4100	43,9158				N		needles	Mt - DNA /single marker
Switzerland	24,6786	41,6607				N		needles	Mt - DNA /single marker
Switzerland	23,5667	41,7167				N		needles	Mt - DNA /single marker
Switzerland	24,2000	41,8000				N		needles	Mt - DNA /single marker
Switzerland	23,4790	41,8304				N		needles	Mt - DNA /single marker
Switzerland	23,5000	42,0000				N		needles	Mt - DNA /single marker
Switzerland	23,6145	42,2658				N		needles	Mt - DNA /single marker
Switzerland	30,2000	51,1000				N		needles	Mt - DNA /single marker
Switzerland	24,8000	53,7000				N		needles	Mt - DNA /single marker
Switzerland	26,5000	54,0833				N		needles	Mt - DNA /single marker
Switzerland	26,5000	54,1000				N		needles	Mt - DNA /single marker
Switzerland	30,2000	55,1000				N		needles	Mt - DNA /single marker
Switzerland	15,0000	44,7000				N		needles	Mt - DNA /single marker

Switzerland	15,0000	44,8000				N		needles	Mt - DNA /single marker
Switzerland	14,3000	48,9000				N		needles	Mt - DNA /single marker
Switzerland	14,9000	48,9000				N		needles	Mt - DNA /single marker
Switzerland	13,7000	49,1000				N		needles	Mt - DNA /single marker
Switzerland	15,3000	49,1000				N		needles	Mt - DNA /single marker
Switzerland	17,4000	49,1000				N		needles	Mt - DNA /single marker
Switzerland	18,1000	49,1000				N		needles	Mt - DNA /single marker
Switzerland	14,5000	49,3000				N		needles	Mt - DNA /single marker
Switzerland	15,0000	49,3000				N		needles	Mt - DNA /single marker
Switzerland	18,0000	49,3000				N		needles	Mt - DNA /single marker
Switzerland	18,3000	49,3000				N		needles	Mt - DNA /single marker
Switzerland	14,1000	49,4000				N		needles	Mt - DNA /single marker
Switzerland	15,7000	49,4000				N		needles	Mt - DNA /single marker
Switzerland	13,0000	49,5000				N		needles	Mt - DNA /single marker
Switzerland	13,3000	49,5000				N		needles	Mt - DNA /single marker
Switzerland	13,9000	49,6000				N		needles	Mt - DNA /single marker
Switzerland	14,7000	49,6000				N		needles	Mt - DNA /single marker
Switzerland	15,3000	49,7000				N		needles	Mt - DNA /single marker
Switzerland	15,8000	49,7000				N		needles	Mt - DNA /single marker
Switzerland	16,3000	49,7000				N		needles	Mt - DNA /single marker
Switzerland	18,5000	49,7000				N		needles	Mt - DNA /single marker
Switzerland	12,8000	49,8000				N		needles	Mt - DNA /single marker
Switzerland	14,2000	49,8000				N		needles	Mt - DNA /single marker
Switzerland	17,3000	49,8000				N		needles	Mt - DNA /single marker
Switzerland	18,0000	49,8000				N		needles	Mt - DNA /single marker
Switzerland	16,6000	49,9000				N		needles	Mt - DNA /single marker
Switzerland	17,5000	50,0000				N		needles	Mt - DNA /single marker
Switzerland	17,3000	50,3000				N		needles	Mt - DNA /single marker
Switzerland	12,9000	50,4000				N		needles	Mt - DNA /single marker
Switzerland	16,4000	50,5000				N		needles	Mt - DNA /single marker
Switzerland	15,6000	50,6000				N		needles	Mt - DNA /single marker
Switzerland	27,4500	58,0883				N		needles	Mt - DNA /single marker
Switzerland	25,3000	58,1000				N		needles	Mt - DNA /single marker

Switzerland	22,3000	58,5000				N		needles	Mt - DNA /single marker
Switzerland	24,4000	58,9000				N		needles	Mt - DNA /single marker
Switzerland	26,5000	59,0000				N		needles	Mt - DNA /single marker
Switzerland	26,0906	59,5728				N		needles	Mt - DNA /single marker
Switzerland	24,1000	60,2000				N		needles	Mt - DNA /single marker
Switzerland	20,0500	60,2167				N		needles	Mt - DNA /single marker
Switzerland	25,0670	60,3500				N		needles	Mt - DNA /single marker
Switzerland	23,6830	60,3670				N		needles	Mt - DNA /single marker
Switzerland	21,8670	60,8170				N		needles	Mt - DNA /single marker
Switzerland	23,5000	61,1000				N		needles	Mt - DNA /single marker
Switzerland	26,0300	61,3670				N		needles	Mt - DNA /single marker
Switzerland	27,3000	61,7000				N		needles	Mt - DNA /single marker
Switzerland	24,6667	62,0000				N		needles	Mt - DNA /single marker
Switzerland	21,5000	62,2500				N		needles	Mt - DNA /single marker
Switzerland	26,2500	62,2830				N		needles	Mt - DNA /single marker
Switzerland	27,3700	62,6500				N		needles	Mt - DNA /single marker
Switzerland	25,0000	62,8000				N		needles	Mt - DNA /single marker
Switzerland	29,8070	63,1000				N		needles	Mt - DNA /single marker
Switzerland	22,1500	63,2170				N		needles	Mt - DNA /single marker
Switzerland	27,3700	63,9300				N		needles	Mt - DNA /single marker
Switzerland	27,7700	64,5670				N		needles	Mt - DNA /single marker
Switzerland	24,4300	64,5830				N		needles	Mt - DNA /single marker
Switzerland	28,0474	64,6561				N		needles	Mt - DNA /single marker
Switzerland	29,1069	65,1833				N		needles	Mt - DNA /single marker
Switzerland	25,4500	65,2670				N		needles	Mt - DNA /single marker
Switzerland	26,7300	65,6330				N		needles	Mt - DNA /single marker
Switzerland	27,7956	65,8888				N		needles	Mt - DNA /single marker
Switzerland	24,6886	66,1310				N		needles	Mt - DNA /single marker
Switzerland	25,7901	66,4959				N		needles	Mt - DNA /single marker
Switzerland	29,7212	67,4403				N		needles	Mt - DNA /single marker
Switzerland	24,9333	67,5333				N		needles	Mt - DNA /single marker
Switzerland	27,4167	68,4000				N		needles	Mt - DNA /single marker
Switzerland	7,2670	44,1050				N		needles	Mt - DNA /single marker

Switzerland	6,6580	45,0420				N		needles	Mt - DNA /single marker
Switzerland	5,9000	45,1000				N		needles	Mt - DNA /single marker
Switzerland	5,6000	45,2000				N		needles	Mt - DNA /single marker
Switzerland	6,8120	45,6120				N		needles	Mt - DNA /single marker
Switzerland	7,0333	45,7500				N		needles	Mt - DNA /single marker
Switzerland	6,9000	45,9000				N		needles	Mt - DNA /single marker
Switzerland	6,6000	46,0000				N		needles	Mt - DNA /single marker
Switzerland	6,1689	46,5941				N		needles	Mt - DNA /single marker
Switzerland	6,0000	46,6000				N		needles	Mt - DNA /single marker
Switzerland	6,1000	46,8000				N		needles	Mt - DNA /single marker
Switzerland	6,4000	46,8000				N		needles	Mt - DNA /single marker
Switzerland	6,7000	47,2000				N		needles	Mt - DNA /single marker
Switzerland	6,9400	48,0667				N		needles	Mt - DNA /single marker
Switzerland	6,9000	48,2000				N		needles	Mt - DNA /single marker
Switzerland	12,9420	47,4890				N		needles	Mt - DNA /single marker
Switzerland	11,3000	47,5000				N		needles	Mt - DNA /single marker
Switzerland	10,8900	47,5400				N		needles	Mt - DNA /single marker
Switzerland	10,1000	47,7000				N		needles	Mt - DNA /single marker
Switzerland	11,2000	47,7000				N		needles	Mt - DNA /single marker
Switzerland	13,0000	47,7000				N		needles	Mt - DNA /single marker
Switzerland	8,2000	47,8000				N		needles	Mt - DNA /single marker
Switzerland	9,6000	47,8000				N		needles	Mt - DNA /single marker
Switzerland	12,5000	47,8000				N		needles	Mt - DNA /single marker
Switzerland	12,7000	47,8000				N		needles	Mt - DNA /single marker
Switzerland	8,0000	47,9000				N		needles	Mt - DNA /single marker
Switzerland	10,9000	47,9000				N		needles	Mt - DNA /single marker
Switzerland	11,7000	48,0000				N		needles	Mt - DNA /single marker
Switzerland	8,6000	48,2000				N		needles	Mt - DNA /single marker
Switzerland	9,5000	48,2000				N		needles	Mt - DNA /single marker
Switzerland	8,9000	48,3000				N		needles	Mt - DNA /single marker
Switzerland	8,6000	48,5000				N		needles	Mt - DNA /single marker
Switzerland	13,4000	48,6000				N		needles	Mt - DNA /single marker
Switzerland	13,4000	48,9000				N		needles	Mt - DNA /single marker

Switzerland	10,1000	49,1000				N		needles	Mt - DNA /single marker
Switzerland	11,1000	49,1000				N		needles	Mt - DNA /single marker
Switzerland	13,3000	49,1000				N		needles	Mt - DNA /single marker
Switzerland	12,7000	49,2000				N		needles	Mt - DNA /single marker
Switzerland	12,3000	49,5000				N		needles	Mt - DNA /single marker
Switzerland	11,5000	49,6000				N		needles	Mt - DNA /single marker
Switzerland	11,3000	49,9000				N		needles	Mt - DNA /single marker
Switzerland	11,8000	50,0000				N		needles	Mt - DNA /single marker
Switzerland	12,5000	50,1000				N		needles	Mt - DNA /single marker
Switzerland	11,1000	50,5000				N		needles	Mt - DNA /single marker
Switzerland	10,7000	50,7000				N		needles	Mt - DNA /single marker
Switzerland	13,3000	50,7000				N		needles	Mt - DNA /single marker
Switzerland	13,7000	50,8000				N		needles	Mt - DNA /single marker
Switzerland	10,2000	51,9000				N		needles	Mt - DNA /single marker
Switzerland	14,2000	51,9000				N		needles	Mt - DNA /single marker
Switzerland	16,5300	47,6600				N		needles	Mt - DNA /single marker
Switzerland	10,7000	44,1167				N		needles	Mt - DNA /single marker
Switzerland	7,4000	44,2833				N		needles	Mt - DNA /single marker
Switzerland	7,0000	44,4667				N		needles	Mt - DNA /single marker
Switzerland	6,8930	45,0788				N		needles	Mt - DNA /single marker
Switzerland	7,3000	45,7300				N		needles	Mt - DNA /single marker
Switzerland	8,2000	45,8000				N		needles	Mt - DNA /single marker
Switzerland	11,7385	46,3013				N		needles	Mt - DNA /single marker
Switzerland	10,8250	46,4806				N		needles	Mt - DNA /single marker
Switzerland	10,7083	46,5000				N		needles	Mt - DNA /single marker
Switzerland	12,7000	46,6000				N		needles	Mt - DNA /single marker
Switzerland	12,1330	46,6330				N		needles	Mt - DNA /single marker
Switzerland	12,1000	47,0330				N		needles	Mt - DNA /single marker
Switzerland	11,4000	47,0000				N		needles	Mt - DNA /single marker
Switzerland	24,3000	56,4000				N		needles	Mt - DNA /single marker
Switzerland	22,2000	57,3000				N		needles	Mt - DNA /single marker
Switzerland	24,5000	57,3000				N		needles	Mt - DNA /single marker
Switzerland	24,0667	54,9500				N		needles	Mt - DNA /single marker

Switzerland	22,3000	55,1000				N		needles	Mt - DNA /single marker
Switzerland	26,1833	55,4833				N		needles	Mt - DNA /single marker
Switzerland	21,3500	55,8333				N		needles	Mt - DNA /single marker
Switzerland	23,1000	55,9500				N		needles	Mt - DNA /single marker
Switzerland	27,5833	56,1167				N		needles	Mt - DNA /single marker
Switzerland	20,1000	42,7000				N		needles	Mt - DNA /single marker
Switzerland	8,2980	58,7800				N		needles	Mt - DNA /single marker
Switzerland	7,4220	59,2975				N		needles	Mt - DNA /single marker
Switzerland	7,3000	59,4333				N		needles	Mt - DNA /single marker
Switzerland	6,3390	59,4462				N		needles	Mt - DNA /single marker
Switzerland	8,4161	59,4780				N		needles	Mt - DNA /single marker
Switzerland	7,5220	59,7300				N		needles	Mt - DNA /single marker
Switzerland	9,0000	60,0000				N		needles	Mt - DNA /single marker
Switzerland	10,5200	60,0850				N		needles	Mt - DNA /single marker
Switzerland	8,4040	60,1500				N		needles	Mt - DNA /single marker
Switzerland	8,6333	60,1833				N		needles	Mt - DNA /single marker
Switzerland	11,0450	60,3310				N		needles	Mt - DNA /single marker
Switzerland	8,1130	60,3645				N		needles	Mt - DNA /single marker
Switzerland	6,5384	60,5958				N		needles	Mt - DNA /single marker
Switzerland	5,7643	60,8220				N		needles	Mt - DNA /single marker
Switzerland	8,9100	61,0900				N		needles	Mt - DNA /single marker
Switzerland	8,7044	61,1855				N		needles	Mt - DNA /single marker
Switzerland	9,8829	61,1943				N		needles	Mt - DNA /single marker
Switzerland	8,2856	61,2081				N		needles	Mt - DNA /single marker
Switzerland	7,3440	61,2580				N		needles	Mt - DNA /single marker
Switzerland	12,4333	61,2667				N		needles	Mt - DNA /single marker
Switzerland	11,0500	61,9000				N		needles	Mt - DNA /single marker
Switzerland	11,6300	63,0500				N		needles	Mt - DNA /single marker
Switzerland	13,6000	64,4700				N		needles	Mt - DNA /single marker
Switzerland	13,3500	65,3300				N		needles	Mt - DNA /single marker
Switzerland	14,6830	66,3830				N		needles	Mt - DNA /single marker
Switzerland	29,0830	69,2500				N		needles	Mt - DNA /single marker
Switzerland	30,0667	69,4500				N		needles	Mt - DNA /single marker

Switzerland	22,8667	49,0833				N		needles	Mt - DNA /single marker
Switzerland	19,5500	49,5667				N		needles	Mt - DNA /single marker
Switzerland	19,2000	49,6000				N		needles	Mt - DNA /single marker
Switzerland	18,9667	49,6333				N		needles	Mt - DNA /single marker
Switzerland	19,1000	49,7000				N		needles	Mt - DNA /single marker
Switzerland	16,8333	50,2333				N		needles	Mt - DNA /single marker
Switzerland	16,7000	50,5000				N		needles	Mt - DNA /single marker
Switzerland	21,3000	50,5000				N		needles	Mt - DNA /single marker
Switzerland	22,9667	50,5667				N		needles	Mt - DNA /single marker
Switzerland	22,9583	50,5917				N		needles	Mt - DNA /single marker
Switzerland	18,4000	50,7000				N		needles	Mt - DNA /single marker
Switzerland	16,1000	50,8000				N		needles	Mt - DNA /single marker
Switzerland	17,9000	50,8000				N		needles	Mt - DNA /single marker
Switzerland	20,0000	50,8000				N		needles	Mt - DNA /single marker
Switzerland	20,6833	51,0667				N		needles	Mt - DNA /single marker
Switzerland	15,3000	51,1000				N		needles	Mt - DNA /single marker
Switzerland	16,3000	51,3000				N		needles	Mt - DNA /single marker
Switzerland	20,6000	51,3000				N		needles	Mt - DNA /single marker
Switzerland	21,3000	51,3000				N		needles	Mt - DNA /single marker
Switzerland	16,5000	51,5000				N		needles	Mt - DNA /single marker
Switzerland	16,2000	52,0000				N		needles	Mt - DNA /single marker
Switzerland	23,7000	52,8000				N		needles	Mt - DNA /single marker
Switzerland	20,5667	53,6833				N		needles	Mt - DNA /single marker
Switzerland	23,4000	53,9000				N		needles	Mt - DNA /single marker
Switzerland	22,0667	54,1000				N		needles	Mt - DNA /single marker
Switzerland	22,8000	54,3000				N		needles	Mt - DNA /single marker
Switzerland	25,5000	45,3000				N		needles	Mt - DNA /single marker
Switzerland	22,7333	45,5167				N		needles	Mt - DNA /single marker
Switzerland	25,2500	45,5667				N		needles	Mt - DNA /single marker
Switzerland	25,5833	45,5833				N		needles	Mt - DNA /single marker
Switzerland	25,0333	45,6500				N		needles	Mt - DNA /single marker
Switzerland	23,9000	45,7000				N		needles	Mt - DNA /single marker
Switzerland	23,0000	46,3000				N		needles	Mt - DNA /single marker

Switzerland	23,8000	46,6000				N		needles	Mt - DNA /single marker
Switzerland	25,7700	46,6600				N		needles	Mt - DNA /single marker
Switzerland	25,9000	46,8000				N		needles	Mt - DNA /single marker
Switzerland	25,4000	46,9000				N		needles	Mt - DNA /single marker
Switzerland	25,9000	47,0000				N		needles	Mt - DNA /single marker
Switzerland	25,1000	47,2000				N		needles	Mt - DNA /single marker
Switzerland	25,7000	47,2000				N		needles	Mt - DNA /single marker
Switzerland	25,4000	47,4000				N		needles	Mt - DNA /single marker
Switzerland	25,7000	47,5000				N		needles	Mt - DNA /single marker
Switzerland	25,0000	47,6000				N		needles	Mt - DNA /single marker
Switzerland	25,6000	47,7000				N		needles	Mt - DNA /single marker
Switzerland	33,7000	53,3000				N		needles	Mt - DNA /single marker
Switzerland	31,2500	53,5000				N		needles	Mt - DNA /single marker
Switzerland	32,3333	54,5000				N		needles	Mt - DNA /single marker
Switzerland	35,3000	55,5000				N		needles	Mt - DNA /single marker
Switzerland	37,5000	55,7000				N		needles	Mt - DNA /single marker
Switzerland	37,5000	56,3000				N		needles	Mt - DNA /single marker
Switzerland	32,0000	56,5000				N		needles	Mt - DNA /single marker
Switzerland	28,5000	57,0000				N		needles	Mt - DNA /single marker
Switzerland	41,0000	57,5830				N		needles	Mt - DNA /single marker
Switzerland	27,0000	57,8000				N		needles	Mt - DNA /single marker
Switzerland	36,5000	57,8000				N		needles	Mt - DNA /single marker
Switzerland	30,0000	57,8300				N		needles	Mt - DNA /single marker
Switzerland	33,2000	58,0000				N		needles	Mt - DNA /single marker
Switzerland	39,0000	58,0000				N		needles	Mt - DNA /single marker
Switzerland	40,0000	59,3333				N		needles	Mt - DNA /single marker
Switzerland	30,0300	60,1830				N		needles	Mt - DNA /single marker
Switzerland	34,0000	62,0000				N		needles	Mt - DNA /single marker
Switzerland	36,7167	62,2500				N		needles	Mt - DNA /single marker
Switzerland	34,4167	62,8833				N		needles	Mt - DNA /single marker
Switzerland	40,0000	64,5830				N		needles	Mt - DNA /single marker
Switzerland	20,9000	42,0000				N		needles	Mt - DNA /single marker
Switzerland	20,8333	43,2500				N		needles	Mt - DNA /single marker

Switzerland	20,3222	43,2897				N		needles	Mt - DNA /single marker
Switzerland	20,8500	43,5667				N		needles	Mt - DNA /single marker
Switzerland	20,5000	48,7000				N		needles	Mt - DNA /single marker
Switzerland	19,9000	48,8000				N		needles	Mt - DNA /single marker
Switzerland	20,6000	48,9000				N		needles	Mt - DNA /single marker
Switzerland	18,9000	49,0000				N		needles	Mt - DNA /single marker
Switzerland	20,2000	49,0000				N		needles	Mt - DNA /single marker
Switzerland	21,2000	49,0000				N		needles	Mt - DNA /single marker
Switzerland	19,3000	49,1000				N		needles	Mt - DNA /single marker
Switzerland	20,1000	49,2000				N		needles	Mt - DNA /single marker
Switzerland	19,8000	49,3000				N		needles	Mt - DNA /single marker
Switzerland	20,5000	49,3000				N		needles	Mt - DNA /single marker
Switzerland	19,1000	49,4000				N		needles	Mt - DNA /single marker
Switzerland	21,0000	49,4000				N		needles	Mt - DNA /single marker
Switzerland	14,4514	45,5764				N		needles	Mt - DNA /single marker
Switzerland	13,9372	46,2694				N		needles	Mt - DNA /single marker
Switzerland	13,9667	46,3333				N		needles	Mt - DNA /single marker
Switzerland	15,4333	56,5833				N		needles	Mt - DNA /single marker
Switzerland	15,5167	56,7000				N		needles	Mt - DNA /single marker
Switzerland	13,6670	57,0167				N		needles	Mt - DNA /single marker
Switzerland	13,1167	57,2000				N		needles	Mt - DNA /single marker
Switzerland	12,0167	57,7000				N		needles	Mt - DNA /single marker
Switzerland	15,5500	57,7667				N		needles	Mt - DNA /single marker
Switzerland	15,0667	57,8667				N		needles	Mt - DNA /single marker
Switzerland	14,0000	58,3000				N		needles	Mt - DNA /single marker
Switzerland	12,6000	59,0000				N		needles	Mt - DNA /single marker
Switzerland	14,6000	59,0000				N		needles	Mt - DNA /single marker
Switzerland	16,4000	59,1000				N		needles	Mt - DNA /single marker
Switzerland	17,9000	59,2000				N		needles	Mt - DNA /single marker
Switzerland	12,8667	59,9167				N		needles	Mt - DNA /single marker
Switzerland	17,7350	59,9370				N		needles	Mt - DNA /single marker
Switzerland	12,8300	60,1667				N		needles	Mt - DNA /single marker
Switzerland	15,2000	60,3300				N		needles	Mt - DNA /single marker

Switzerland	13,2000	61,4000				N		needles	Mt - DNA /single marker
Switzerland	13,1000	61,7000				N		needles	Mt - DNA /single marker
Switzerland	17,5088	62,4269				N		needles	Mt - DNA /single marker
Switzerland	15,2000	62,5000				N		needles	Mt - DNA /single marker
Switzerland	14,2000	62,6000				N		needles	Mt - DNA /single marker
Switzerland	16,7000	63,0000				N		needles	Mt - DNA /single marker
Switzerland	12,4000	63,2500				N		needles	Mt - DNA /single marker
Switzerland	20,3667	63,7833				N		needles	Mt - DNA /single marker
Switzerland	19,7000	64,2000				N		needles	Mt - DNA /single marker
Switzerland	15,4660	64,6740				N		needles	Mt - DNA /single marker
Switzerland	16,3100	64,7920				N		needles	Mt - DNA /single marker
Switzerland	16,1294	65,5551				N		needles	Mt - DNA /single marker
Switzerland	17,3300	66,0000				N		needles	Mt - DNA /single marker
Switzerland	20,6200	66,0500				N		needles	Mt - DNA /single marker
Switzerland	19,9200	66,7000				N		needles	Mt - DNA /single marker
Switzerland	22,0843	67,3934				N		needles	Mt - DNA /single marker
Switzerland	20,9000	67,6670				N		needles	Mt - DNA /single marker
Switzerland	7,1225	45,9746				N		needles	Mt - DNA /single marker
Switzerland	7,1000	46,0330				N		needles	Mt - DNA /single marker
Switzerland	7,6054	46,1796				N		needles	Mt - DNA /single marker
Switzerland	8,0650	46,1980				N		needles	Mt - DNA /single marker
Switzerland	8,5598	46,2259				N		needles	Mt - DNA /single marker
Switzerland	10,0577	46,2884				N		needles	Mt - DNA /single marker
Switzerland	9,5502	46,3242				N		needles	Mt - DNA /single marker
Switzerland	8,0171	46,3820				N		needles	Mt - DNA /single marker
Switzerland	9,1937	46,4550				N		needles	Mt - DNA /single marker
Switzerland	7,2564	46,4688				N		needles	Mt - DNA /single marker
Switzerland	6,9621	46,4778				N		needles	Mt - DNA /single marker
Switzerland	8,8135	46,4921				N		needles	Mt - DNA /single marker
Switzerland	6,1945	46,4994				N		needles	Mt - DNA /single marker
Switzerland	7,5520	46,5098				N		needles	Mt - DNA /single marker
Switzerland	9,6327	46,5661				N		needles	Mt - DNA /single marker
Switzerland	8,3248	46,5977				N		needles	Mt - DNA /single marker

Switzerland	7,8202	46,6210				N		needles	Mt - DNA /single marker		
Switzerland	8,0122	46,6555				N		needles	Mt - DNA /single marker		
Switzerland	9,8670	46,7830				N		needles	Mt - DNA /single marker		
Switzerland	9,0471	46,7904				N		needles	Mt - DNA /single marker		
Switzerland	7,8279	46,8263				N		needles	Mt - DNA /single marker		
Switzerland	9,8061	46,8760				N		needles	Mt - DNA /single marker		
Switzerland	8,8438	46,9830				N		needles	Mt - DNA /single marker		
Switzerland	8,4716	47,0427				N		needles	Mt - DNA /single marker		
Switzerland	9,2660	47,0720				N		needles	Mt - DNA /single marker		
Switzerland	7,0428	47,1870				N		needles	Mt - DNA /single marker		
Switzerland	9,4839	47,2887				N		needles	Mt - DNA /single marker		
Switzerland	6,4000	46,3000				N		needles	Mt - DNA /single marker		
Switzerland	24,4583	48,1167				N		needles	Mt - DNA /single marker		
Switzerland	24,3000	48,3000				N		needles	Mt - DNA /single marker		
Slovenia	46°26'38"	15°26'17"	1200	NOT		N	2007	Buds	SSRs		
Slovenia	46°24'28"	14°22'8"	1250	NOT		Y	2004	Seed	SSRs		
Slovenia	46°30'12"	15°25'13"	1050	NOT		N	2004	Seed	SSRs		
Slovenia	45°51'31"	14° 8'30"	750-800	NOT		N	2004	Seed	SSRs		
Slovenia	46°21'43"	13°57'38"	1300	NOT		N	2004	Seed	SSRs		
Slovenia	46°25'15"	15°17'23"	850-900	NOT		N	2004	Seed, Buds	SSRs		
Slovenia	45°37'12"	14°23'50"	850-900	NOT		N	2004	Seed	SSRs		
Slovenia	46°22'16"	13°56'8"	1400-1500	Marginal/P eriferal	upper tree line	N	2007	Buds	SSRs		
Slovenia	45°57'38"	14°0'45"	600-700	NOT		N	2004	Seed, Buds	SSRs		
Slovenia	45°59'5"	13°52'11"	1100-1150	Marginal/P eriferal	extrem site (Temperature turn)	N	2007	Buds	SSRs		
Slovenia	46°19'49"	13°59'43"	1200	Marginal/P eriferal	extrem site	N	2007	Buds	SSRs		
Slovenia	45°33'9"	14°26'56"	1200	Marginal/P eriferal	extrem site (Temperature turn)	N	2007	Buds	SSRs		

Slovenia	44° 05' 01" N	18° 29' 39" E	950	Marginal/P eriferal	extrem site	N	2005	buds			Isozymes
Slovenia	46° 17' 07" N	14° 04' 31" E	1150	Marginal/P eriferal	extrem site	N	2005	buds			Isozymes
Slovenia	46° 28' 08" N	15° 24' 32" E	1300	Marginal/P eriferal	extrem site	N	2005	buds			Isozymes
Slovenia	46° 20' 02" N	13° 59' 46" E	1197	Marginal/P eriferal	extrem site	N	2000	buds			Isozymes
Slovenia	5° 20' 04.27"	3° 59' 22.7"	1200	NOT		N	2000	buds			Isozymes
Slovakia	13,82	48,77	1250-1320	NOT		N					Isozymes
Slovakia	13,30	49,10	1160-1200	NOT		N	1998	buds			Isozymes
Slovakia	13,80	48,88	800-960	NOT		N	1998	buds			Isozymes
Slovakia	19,15	49,05	900-1100	NOT		N	1998	buds			Isozymes
Slovakia	19,65	48,87	1200-1400	NOT		N	1998	buds			Isozymes
Slovakia	19,75	49,23	1280-1400	NOT		Y	1998	buds			Isozymes
Slovakia	19,90	49,02	760-940	NOT		N	1998	buds			Isozymes
Slovakia	20,08	49,12	1160-1240	NOT		N	1998	buds			Isozymes
Slovakia	20,65	48,77	1200-1320	NOT		N	1998	buds			Isozymes
Slovakia	19,22	49,02	1300-1450	island	distribution	Y	1998	buds			Isozymes
Slovakia	20,32	49,20	840-920	NOT		N	1998	buds			Isozymes
Slovakia	19,50	48,83	1100-1300	NOT		N	1998	buds			Isozymes
Slovakia	19,55	48,78	800-900	NOT		N	1998	buds			Isozymes
Slovakia	19,48	49,57	1300-1440	NOT		Y	1998	buds			Isozymes
Slovakia	20,08	49,12	1100-1200	NOT		N	1998	buds			Isozymes
Slovakia	20,08	49,12	1300-1400	NOT		N	1998	buds			Isozymes
Slovakia	20,10	49,12	1450+	upper tree lim	ecology	N	1998	buds			Isozymes
Slovakia	23,50	42,50	1100-1500	NOT		N	1998	buds			Isozymes
Slovakia	20,53	48,88	700	NOT	*pollution	N	2002	buds			Isozymes
Slovakia	20,53	48,88	700	NOT	*pollution	N	2002	buds			Isozymes
Slovakia	20,53	48,88	600	NOT	*pollution	N	2002	buds			Isozymes
Slovakia	20,53	48,88	600	NOT	*pollution	N	2002	buds			Isozymes
Poland	23°46'56" E	52°41'50" N	150-180	Marginal/P eripheral	distribution	Y	2001	needles	SSRs - n	Mt - DNA	

Poland	22°03'17" E	54°08'41" N	150-200	Marginal/P eripheral	distribution	Y	2001	needles	SSRs - n	Mt - DNA	
Poland	16°28'45" E	50°19'56" N	600-650	Marginal/P eripheral	distribution	Y	2001	needles	SSRs - n	Mt - DNA	
Poland	22°41'37" E	54°19'44" N	200-220	Marginal/P eripheral	distribution	Y	2001	needles	SSRs - n	Mt - DNA	
Poland	19°16'47" E	49°38'37" N	550-600	NOT		Y	2001	needles	SSRs - n	Mt - DNA	
Poland	16°03'57" E	50°51'04" N	270-280	Marginal/P eripheral	distribution	Y	2001	needles	SSRs - n	Mt - DNA	
Poland	16°21'38" E	54°16'50" N	35-40	Outside the distribution		Y	2001	needles	SSRs - n	Mt - DNA	
Poland	16°45'08" E	50°14'04" N	600-650	Marginal/P eripheral	distribution	Y	2001	needles	SSRs - n	Mt - DNA	
Poland	19°38'44" E	49°36'10" N	850-900	NOT		Y	2001	needles	SSRs - n	Mt - DNA	
Poland	20°30'38" E	53°40'39" N	130-150	Marginal/P eripheral	distribution	Y	2001	needles	SSRs - n	Mt - DNA	
Poland	19°33'21" E	49°33'27" N	950-1000	Marginal/P eripheral	distribution	Y	2001	needles	SSRs - n	Mt - DNA	
Poland	20°40'27" E	49°27'18" N	650-700	Marginal/P eripheral	distribution	Y	2001	needles	SSRs - n	Mt - DNA	
Poland	20°31'28" E	52°32'31" N	110-120	Outside the distribution		Y	2001	needles	SSRs - n	Mt - DNA	
Poland	20°42'35" E	51°03'53" N	320-330	NOT		Y	2001	needles	SSRs - n	Mt - DNA	
Poland	22°57'27" E	54°03'22" N	160-180	Marginal/P eripheral	distribution	Y	2001	needles	SSRs - n	Mt - DNA	
Poland	22°45'52" E	49°05'40" N	800-850	Marginal/P eripheral	distribution	Y	2001	needles	SSRs - n	Mt - DNA	
Poland	19°11'12" E	49°31'17" N	950-960	Marginal/P eripheral	elevation	Y	2001	needles	SSRs - n	Mt - DNA	
Poland	19°13'26" E	49°33'09" N	850-900	NOT		Y	2001	needles	SSRs - n	Mt - DNA	
Poland	18°56'41" E	49°31'30" N	800-850	NOT		Y	2001	needles	SSRs - n	Mt - DNA	
Poland	22°59'18" E	50°34'28" N	220-250	Marginal/P eripheral	distribution	Y	2001	needles	SSRs - n	Mt - DNA	

Poland	23°47' E	52°48' N	160	Marginal/P eripheral	distribution	Y	1971	seeds	SSRs - n	Mt - DNA	
Poland	20°34' E	53°41' N	160	Marginal/P eripheral	distribution	Y	1971	seeds	SSRs - n	Mt - DNA	
Poland	16°45' E	50°13' N	580	Marginal/P eripheral	distribution	Y	1971	seeds	SSRs - n	Mt - DNA	
Poland	18°58' E	49°38' N	710	NOT		Y	1971	seeds	SSRs - n	Mt - DNA	
Poland	18°57' E	49°32' N	600	NOT		Y	1971	seeds	SSRs - n	Mt - DNA	
Poland	19°00' E	49°29' N	700	NOT		Y	1971	seeds	SSRs - n	Mt - DNA	
Poland	19°33' E	49°34' N	1050	Marginal/P eripheral	distribution / elevation	Y	1971	seeds	SSRs - n	Mt - DNA	
Poland	22°52' E	49°05' N	750	Marginal/P eripheral	distribution	Y	1971	seeds	SSRs - n	Mt - DNA	
Poland	20°41' E	51°04' N	310	NOT		Y	1971	seeds	SSRs - n	Mt - DNA	

