

FRAXINUS EXCELSIOR POPULATIONS - STUDIED BY NEUTRAL GENETIC MARKERS										
	Population Longitude (Degrees-minutes-seconds e.g. 66° 31' 22.24" 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	location
Bulgaria	43° 50'	27° 03'	100	N			1998	buds/ young leaves	SSRs - n	Zli dol
Bulgaria	43° 54'	26° 54'	200	N			1998	buds/ young leaves	SSRs - n	Kodza orman
Bulgaria	43° 51'	26° 46'	150	N			1998	buds/ young leaves	SSRs - n	Iri Hisar
Bulgaria	43° 54'	26° 54'	200	N			1998	buds/ young leaves	SSRs - n	Dulovo
Bulgaria	42° 50'	26° 02'	850	N			1998	buds/ young leaves	SSRs - n	Bukachov chukar
Bulgaria	42° 50'	26° 02'	800	N			1998	buds/ young leaves	SSRs - n	Goliamoto ravnishte
Bulgaria	42° 50'	26° 03'	750	N			1998	buds/ young leaves	SSRs - n	Elena
Bulgaria	42° 33'	23° 26'	1000	N			1998	buds/ young leaves	SSRs - n	Kokalyane monastery
Bulgaria	42° 39'	23° 11'	1050	N			1998	buds/ young leaves	SSRs - n	Lyulin monastery
Bulgaria	42° 38'	23° 14'	900	N			1998	buds/ young leaves	SSRs - n	Vitoshka
Italy	45° 26' 00"	8° 23' 00"	150	N		Y (Regional Park)	2004	Bud	SSRs	Lame del Sesia
Italy	45° 14' 00"	8° 20' 00"	150	N		Y (Regional Park)	2004 (1996)	Bud	SSRs	Partecipanza
Italy	45° 46' 00"	8° 16' 00"	300	N		N	2004 (1996)	Bud	SSRs	Spazzacamini
Italy	44° 47' 00"	7° 44' 00"	250	N		N	2004	Bud	SSRs	Merlino

Italy	44° 19' 00"	7° 41' 00"	900-110	N		Y (Regional Park)	2004	Bud	SSRs	Pian delle Gorre
Italy	44° 41' 00"	7° 11' 00"	1200-1400	N		N	2004	Bud	SSRs	Oncino
Italy	46° 16' 00"	8° 19' 00"	700-900	N		N	2004	Bud	SSRs	Valle Divedro
Italy	44° 24' 00"	8° 16' 00"	350-450	Peripheral		N	2004	Bud	SSRs	Valle Bormida
Italy	44° 05' 00"	7° 48' 00"	700-800	N		N	2004	Bud	SSRs	Valle Tanaro
Italy	45° 39' 00"	10° 37' 00"	900-110	N		N	2004 (1997)	Bud	SSRs	Archesane - Passo Spino
Italy	45° 44' 00"	9° 39' 00"	400-500	N		N	2004 (1997)	Bud	SSRs	Ponteranica
Italy	45° 50' 00"	9° 40' 00"	450-550	N		N	2004	Bud	SSRs	S. Pellegrino
Italy	46° 13' 00"	9° 38' 00"	900-1100	N		N	2004 (1997)	Bud	SSRs	Val Masino
Italy	45° 51' 00"	9° 16' 00"	700-800	N		Y (Regional Seed Stand)	2004	Bud	SSRs	Corni di Canzo
Italy	46° 03' 00"	11° 27' 00"	1000	N		N	2004	Bud	SSRs	Valle Sella
Italy	46° 04' 00"	11° 14' 00"	1000-1100	N		N	2004	Bud	SSRs	Valle Mocheni
Italy	45° 39' 00"	11° 18' 00"	700-800	N		N	2004	Bud	SSRs	Contrada Sorto
Italy	46° 08' 00"	12° 25' 00"	900-1100	N		N	2004	Bud	SSRs	Broz
Italy	46° 07' 00"	12° 06' 00"	350-450	N		N	2004	Bud	SSRs	Sedico
Italy	46° 25' 00"	12° 15' 00"	900-1100	N		N	2004	Bud	SSRs	Peaio
Italy	45° 36' 00"	11° 06' 00"	1000-1200	N		N	2004	Bud	SSRs	Schivazzi
Italy	45° 50' 00"	11° 55' 00"	200-300	N		N	2004	Bud	SSRs	Fagarè
Italy	46° 17' 00"	13° 05' 00"	700-900	N		N	2004	Bud	SSRs	Chianei
Italy	46° 15' 00"	13° 30' 00"	700-900	N		N	2004	Bud	SSRs	Ponte Vittorio
Italy	46° 24' 00"	12° 52' 00"	400-600	N		N	2004	Bud	SSRs	Preone
Italy	44° 30' 00"	9° 38' 00"	600-700	Peripheral		N	2004	Bud	SSRs	Alta Val Ceno

Italy	44° 31' 00"	9° 59' 00"	800-1000	Peripheral		N	2004	Bud	SSRs	Monte Valoria
Italy	44° 10' 00"	10° 59' 00"	700-900	Peripheral		N	2004	Bud	SSRs	Valle Reno
Italy	44° 12' 00"	10° 35' 00"	900-1100	Peripheral		N	2004	Bud	SSRs	S. Anna pelago
Italy	43° 57' 00"	11° 54' 00"	1000-1200	Peripheral		Y (National Park)	2004	Bud	SSRs	Campigna
Italy	44° 09' 00"	10° 40' 00"	1200-1400	Peripheral		N	2004	Bud	SSRs	Abetone
Italy	44° 16'	8° 03'	600-800			N	1996	Bud		Bosco delle Fate
Italy	44° 34'	7° 17'	600-800			N	1996	Bud		Frassino
Italy	44° 20'	7° 22'	750-1300			N	1996	Bud		Valloriate
Italy	45° 26'	8° 23'	150-160			Y (Regional Parck)	1996	Bud		Lame del Sesia
Italy	44° 39'	7° 12'	800			N	1996	Bud		Torre Pellice
Italy	44° 47'	7° 40'	250-260			Y (Park connected with castle)	1996	Bud		Racconigi
Italy	46° 15'	10° 30'	1400-1500			N	1997	Bud		Vione
Italy	45° 50'	8° 45'	700			N	1997	Bud		Campofiore
Italy	46° 20'	9° 30'	650			N	1997	Bud		Chete - S. Barnaba
Netherlands	52°04'N	5°11'E		Non-Marginal	distribution	N			SSRs ?	
Netherlands	52°01'N	6°04'E	15	Non-Marginal	distribution	N			SSRs ?	
Netherlands	51°30'N	4°24'E	5	Non-Marginal	distribution	N			SSRs ?	
Netherlands	51°14'N	5°55'E	35	Non-Marginal	distribution	N			SSRs ?	
Netherlands	51°14'N	6°01'E	15	Non-Marginal	distribution	N			SSRs ?	

Netherlands	50°50'N	5°46'E	100-120	Non-Marginal	distribution	N			SSRs ?	
Netherlands	50°56'N	5°45'E	70-90	Non-Marginal	distribution	N			SSRs ?	
Netherlands	52°15'N	4°31'E		Non-Marginal	distribution	N			SSRs ?	
Netherlands	51°53'N	4°03'E		Non-Marginal	distribution	N			SSRs ?	
Netherlands	52°08'N	5°03'E		Non-Marginal	distribution	N			SSRs ?	
Netherlands	52°13'N	5°03'E		Non-Marginal	distribution	N			SSRs ?	
Netherlands	52°13'N	5°04'E		Non-Marginal	distribution	N			SSRs ?	
Netherlands	52°07'N	4°56'E		Non-Marginal	distribution	N			SSRs ?	
Netherlands	52°06'N	4°47'E		Non-Marginal	distribution	N			SSRs ?	
Slovakia	17,7000	48,8333	520	NOT		N	2010	leaves	SSRs - n	Strání
Slovakia	17,6167	48,8667	500	NOT		N	2010	leaves	SSRs - n	Vápenka
Slovakia	18,4158	48,4966	450	NOT		N	2010	leaves	SSRs - n	Skycov
Slovakia	18,0935	48,6645	330	NOT		N	2010	leaves	SSRs - n	Duchonka
Slovakia	18,4667	48,8667	200	NOT		N	2010	leaves	SSRs - n	Nevidzany
Slovakia	17,3333	48,4000	320	NOT		N	2010	leaves	SSRs - n	Píla
Slovakia	17,6333	48,5667	280	NOT		N	2010	leaves	SSRs - n	Chtelnica
Slovakia	17,9790	48,9746	340	NOT		N	2010	leaves	SSRs - n	Horná Súca
Slovakia	18,1890	48,8396	300	NOT		N	2010	leaves	SSRs - n	Horné Motesice
Slovakia	19,7035	49,2790	950	NOT		N	2010	leaves	SSRs - n	Habovka,
Slovakia	19,4660	49,2771	580	NOT		N	2010	leaves	SSRs - n	Krivá
Slovakia	19,2115	48,8789	900	NOT		N	2010	leaves	SSRs - n	Donovaly
Slovakia	18,6952	49,6554	800	NOT		Y	2010	leaves	SSRs - n	Mionsí
Slovakia	18,2083	49,7953	220	NOT		N	2010	leaves	SSRs - n	Ostrava,

Slovakia	17,0190	49,7249	280	NOT		N	2010	leaves	SSRs - n	Sternberk
Slovakia	17,7566	49,3662	600	NOT		N	2010	leaves	SSRs - n	Bystrice p.Host.
Slovakia	20,1023	48,7833	750	NOT		N	2010	leaves	SSRs - n	Muránska Huta
Slovakia	18,9655	48,9486	650	NOT		Y	2010	leaves	SSRs - n	Gader
Slovakia	19,1515	49,0469	650	NOT		N	2010	leaves	SSRs - n	Lubochna
Slovakia	16,6907	49,3117	440	NOT		N	2010	leaves	SSRs - n	Krtiny
Slovakia	19,0228	48,6628	850	NOT		Y	2010	leaves	SSRs - n	Mlácik
Slovakia	19,4054	48,6345	800	NOT		N	2010	leaves	SSRs - n	Kyslinsky
Slovakia	18,9655	47,9459	260	NOT		N	2010	leaves	SSRs - n	Kemence
Slovakia	20,3183	49,2128	920	NOT		N	2010	leaves	SSRs - n	Kezmaršké zlaby
Slovakia	20,6223	48,1018	380	local S margin	distribution	N	2010	leaves	SSRs - n	Lilafüred
Slovakia	19,9142	49,6469	530	NOT		N	2010	leaves	SSRs - n	Skomielna
Slovakia	21,0843	49,5433	430	NOT		N	2010	leaves	SSRs - n	Losie
Slovakia	21,8366	49,9378	250	NOT		N	2010	leaves	SSRs - n	Czudec
Slovakia	22,6042	49,4341	450	NOT		N	2010	leaves	SSRs - n	Brzegi Dolne
Slovakia	21,3323	48,3697	420	local S margin	distribution	N	2010	leaves	SSRs - n	Mogyoroska
Slovakia	22,4375	49,0919	930	local SE margin	distribution	Y	2010	leaves	SSRs - n	Jarabá skála
Slovakia	22,4765	49,0713	650	local SE margin	distribution	N	2010	leaves	SSRs - n	Zbojsky potok
Slovakia	21,5440	48,8969	380	NOT		N	2010	leaves	SSRs - n	Zamutov
Slovakia	22,1807	48,7453	140	local SE margin	distribution	N	2010	leaves	SSRs - n	Sobrance
Slovakia	20,4947	48,7709	450	NOT		N	2010	leaves	SSRs - n	Podsúlová
Slovakia	19,8834	47,9049	780	local S margin	distribution	N	2010	leaves	SSRs - n	Mátraszenti mre
Slovakia	19,7694	48,7372	650	NOT		N	2010	leaves	SSRs - n	Tisovec

Slovakia	19,5237	48,5381	550	NOT		N	2010	leaves	SSRs - n	Horná Bzová
Slovakia	16,6083	49,0333	180	NOT		N	2010	leaves	SSRs - n	Zidlochovice
Slovakia	18,0750	48,0167	115	NOT		N	2010	leaves	SSRs - n	Palarikovo
Slovakia	18,6667	48,0333	130	NOT		N	2010	leaves	SSRs - n	Zeliezovce
Slovenia	46°5'12"	14°40'34"	260	NOT		N	2006	Twigs with leaves	SSRs	Dolsko
Slovenia	46°20'24"	14°13'21"	450	NOT		N	2006	Twigs with leaves	SSRs	Grofija
Slovenia	46°8'45"	14°54'53"	320	NOT		N	2006	Twigs with leaves	SSRs	Razpotje
Slovenia	45°37'35"	13°59'3"	550	NOT		N	2006	Twigs with leaves	SSRs	Rodik
Slovenia	46°17'57"	14°2'13"	485	NOT		N	2006	Twigs with leaves	SSRs	Soteska