

**Appendix 1.** Location, population abbreviation, sex ratio and ecological characterisation of *Thymus praecox* from the Swiss Alps (for details see Material and Methods).

Region	Location	Latitude	Longitude	Population		Proportion			Altitude [m a.s.l.]	Structural characteristics			Vegetation			Mean of Landolt's ecological indicator value			
				Population abbreviation	Sample size	Intermediates	Hermaphrodities	Proportion		Density	Patchiness	cover	F	R	N	H	D	L	T
Flimsenstein	Fidaz-W	46°50'33.3"	9°18'27.8"	FL	106	0.047	0.642	1240	0.234	0.101	4.10	1.9	3.5	2.1	2.9	3.2	3.9	3.1	3.5
Flimsenstein	Fidaz-E	46°50'36.3"	9°18'41.6"		82	0.000	0.659	1250	0.283	0.127	4.02	1.9	3.6	2.1	2.9	3.4	4.0	2.9	3.6
Flimsenstein	Spaltigna	46°50'41.9"	9°16'39.1"		99	0.030	0.596	1350	0.308	0.131	2.74	2.0	3.4	2.2	2.9	3.5	4.1	2.8	3.5
Flimsenstein	Naraus	46°51'51.7"	9°16'08.4"		96	0.000	0.552	2010	0.250	0.102	3.68	2.4	3.5	2.3	3.0	3.1	4.0	2.2	3.2
Flimsenstein	Crap da Flem	46°52'14.1"	9°17'03.5"	FH	101	0.000	0.495	2420	0.228	0.122	2.73	2.7	3.4	2.2	3.1	3.1	4.4	1.6	3.3
Flimsenstein	Ils Lags	46°52'20.4"	9°16'36.3"		74	0.000	0.486	2425	0.204	0.137	3.16	2.7	3.3	2.2	3.2	3.3	4.1	1.8	3.2
Langwies	Schluocht	46°49'22.2"	9°42'25.3"		96	0.010	0.635	1430	0.217	0.110	4.38	2.1	3.6	2.1	3.1	3.8	3.9	2.8	3.4
Langwies	Matte	46°49'56.2"	9°42'54.1"	LL	104	0.000	0.615	1690	0.303	0.120	3.62	2.5	3.4	2.1	3.2	3.9	3.8	2.3	3.2
Langwies	Seta	46°50'00.2"	9°43'32.2"	LH	107	0.009	0.495	2180	0.320	0.127	4.36	2.8	3.6	2.4	3.3	3.3	3.9	2.0	3.1
Piora	Valle	46°31'46.6"	8°40'41.6"		66	0.000	0.576	1650	0.193	0.146	3.92	2.1	2.6	2.0	3.1	3.1	4.1	2.5	3.5
Piora	Piora	46°31'51.4"	8°40'34.2"	PL	89	0.011	0.629	1715	0.327	0.159	3.85	2.3	2.7	2.0	3.1	3.3	4.1	2.5	3.3
Piora	Alpe Ritom	46°32'18.7"	8°40'35.2"		69	0.000	0.507	1860	0.148	0.126	4.68	2.6	3.1	2.4	3.1	3.9	3.9	2.3	3.1
Piora	Motta	46°32'36.8"	8°41'22.7"		70	0.000	0.600	1870	0.162	0.206	4.37	2.6	3.0	2.3	3.2	3.9	4.0	2.3	3.1
Piora	Scüid	46°32'59.1"	8°41'50.7"		83	0.000	0.470	2040	0.160	0.154	4.83	2.5	2.5	2.2	3.4	3.9	3.8	2.3	3.2
Piora	Piano Corona	46°32'52.4"	8°43'30.7"		87	0.000	0.460	2050	0.246	0.130	3.88	2.7	2.4	2.5	3.4	3.8	3.8	2.1	3.0
Piora	Pizzo Tom	46°32'51.8"	8°40'32.7"		72	0.000	0.444	2290	0.146	0.126	3.04	2.4	3.2	2.1	2.9	3.0	4.4	1.8	3.4
Piora	Poncioni Negri	46°33'36.2"	8°41'28.7"	PH	100	0.000	0.400	2410	0.182	0.138	3.41	2.6	2.7	1.9	3.1	3.1	4.5	1.4	3.4
Säntis	Seealpsee	47°16'09.0"	9°23'55.9"		69	0.000	0.710	1150	0.250	0.133	3.95	2.5	3.5	2.6	3.0	3.7	3.7	2.8	3.2
Säntis	Seealp	47°16'05.8"	9°23'46.3"	SL	75	0.013	0.720	1155	0.276	0.109	3.80	2.4	3.4	2.5	3.0	3.4	3.7	2.7	3.2
Säntis	Altenalp	47°16'10.3"	9°23'16.7"		76	0.000	0.671	1490	0.211	0.137	3.96	2.1	3.5	2.3	2.9	3.4	4.0	2.5	3.4
Säntis	Weesen	47°16'27.7"	9°24'01.1"		82	0.000	0.585	1495	0.233	0.160	3.86	2.6	3.4	2.4	3.1	3.5	3.9	2.6	3.2
Säntis	Läden	47°16'29.5"	9°23'13.9"		80	0.000	0.538	1840	0.122	0.175	3.45	2.4	3.7	2.1	3.1	3.3	4.0	2.1	3.4
Säntis	Lötzlisapsattel	47°16'09.0"	9°22'41.0"		105	0.000	0.514	1860	0.185	0.144	2.89	2.2	3.8	2.1	2.6	2.5	4.4	2.1	3.4
Säntis	Rossegg	47°15'24.6"	9°21'05.4"	SH	101	0.000	0.495	2175	0.275	0.132	3.25	2.7	3.6	2.1	3.3	3.2	4.4	1.5	3.4
Zwingslipass	Schatbergwand	47°13'10.7"	9°21'32.2"		79	0.000	0.570	1420	0.197	0.191	3.30	2.5	3.7	2.3	2.8	3.6	3.5	2.5	3.2
Zwingslipass	Tesel	47°13'23.2"	9°22'19.5"	ZL	70	0.000	0.729	1460	0.193	0.216	2.88	2.2	3.5	2.4	2.9	3.3	3.8	2.8	3.3
Zwingslipass	Chreialp	47°13'35.7"	9°22'25.9"		72	0.000	0.639	1750	0.199	0.163	3.42	2.5	3.6	2.3	3.1	3.3	4.0	2.1	3.3
Zwingslipass	Litten	47°13'40.0"	9°22'10.6"		80	0.000	0.575	1800	0.142	0.194	3.54	2.7	3.4	2.7	3.2	3.6	3.8	2.1	3.1
Zwingslipass	Zwingslipass	47°14'08.2"	9°22'40.2"	ZH	99	0.000	0.444	2010	0.216	0.179	3.77	2.6	3.5	2.1	3.1	3.0	4.3	1.6	3.3
Zwingslipass	Altmann	47°14'24.7"	9°22'02.5"		68	0.015	0.544	2330	0.144	0.130	3.66	2.8	3.7	2.0	3.0	2.9	4.3	1.5	3.2