

Species	Number of sites	Number of individuals	Initial number of loci used	Number of loci considered as adaptive after GEE
<i>Androsace obtusifolia</i>	45	131	55	1
<i>Arabis alpina</i>	129	385	100	27
<i>Campanula barbata</i>	104	307	86	1
<i>Carex firma</i>	59	150	44	1
<i>Carex sempervirens</i>	137	408	66	8
<i>Cerastium uniflorum</i>	44	130	48	2
<i>Dryas octopetala</i>	124	370	67	5
<i>Gentiana nivalis</i>	74	218	89	0
<i>Geum montanum</i>	122	327	43	4
<i>Geum reptans</i>	51	153	33	4
<i>Gypsophila repens</i>	107	319	51	6
<i>Hedysarum hedysaroides</i>	66	144	91	5
<i>Hypochaeris uniflora</i>	59	177	35	1
<i>Juncus trifidus</i>	91	254	55	3
<i>Ligusticum mutellinoides</i>	42	92	53	1
<i>Loiseleuria procumbens</i>	90	270	102	5
<i>Luzula alpinopilosa</i>	49	146	71	0
<i>Phyteuma hemisphaericum</i>	75	222	126	3
<i>Rhododendron ferrugineum</i>	126	353	79	11
<i>Sesleria caerulea</i>	100	272	92	4
<i>Trifolium alpinum</i>	39	76	42	1
sum	1733	4904	1428	93
%			100	6.5

Table S3. List of the 21 alpine plant species with their sampling characteristics and the number of loci detected as significant by general estimating equation (GEE) regressions. The Bonferroni-corrected threshold chosen for the P-value of the Wald test in GEEs was 0.05/number of loci.