

Table S2: Sister clades of the diploid subgenomes of *Leucanthemum ircutianum* subsp. *crassifolium* (Lange) as inferred with AllCoPol. The presented frequencies sum up to 192 (96 analyses, each comprising two subgenomes). Clades belonging to the *Leucanthemum vulgare*-group are marked with an asterisk.

frequency	sister clade
93	<i>L. pyrenaicum</i> *
50	<i>L. eliasii</i> *
33	<i>L. monspeliense</i> *
7	<i>L. gracilicaule</i> , <i>L. halleri</i>
6	<i>L. cacuminis</i> *
1	<i>L. burnatii</i> , <i>L. virgatum</i>
1	<i>L. gracilicaule</i>
1	<i>L. virgatum</i>

Table S3: Sister clades of reticulating parental branches of *Leucanthemum ircutianum* subsp. *crassifolium* (Lange) as inferred by the PhyloNet command InferNetwork_MP. The presented frequencies sum up to 192 (96 analyses, each comprising one binary reticulation). Clades belonging to the *Leucanthemum vulgare*-group are marked with an asterisk.

frequency	sister clade
38	<i>L. eliasii</i> , <i>L. pyrenaicum</i> *
37	<i>L. graminifolium</i>
32	<i>L. pyrenaicum</i> *
29	<i>L. lithopolitanicum</i>
18	<i>L. cacuminis</i> , <i>L. eliasii</i> *
11	<i>L. virgatum</i>
9	<i>L. gracilicaule</i>
9	<i>L. halleri</i>
6	<i>L. eliasii</i> *
2	<i>L. ageratifolium</i> *
1	<i>L. vulgare</i> *