

On-line Suppl. Tab. 1. Characteristics of primers used for DNA amplification (Smulders et al. 2000).

Primer	Acc. No. EMBL	Start of repeat	Repeat motif	Forward and reverse sequence
MS-DCAMCRBSY	Z18952	1369	(CAA)17	5'-CAACAATGACAACAACATCAG-3' 5'-TCT TCG ATTGTTGAAGCTAAG-3'
MS-DCDIA30	X59260	1010	(TA)7-1	5'-CACTGACGACACAGCTGATGT-3' 5'-ACTCGTCCAAACACAAACGAC-3'
MS-DINCARACC	M66619	0057	(TA)8	5'-GGTCTTAAT TT TGTCACCTTT-3' 5'-ACCCATCAAAGTACTCCAAAT-3'
MS-DINGSTA	L05915	5347	(T)23-1	5'-CACAAACCTGAAAGTACGATC-3' 5'-ACATTCGAGCCCTCATATAAG-3'
MS-DINMADSBOX	L40805	2695	(TA)7	5'-ACGAGTGTCCAGGATCG-3 5'-CCCCTATTGCAAACACTGC-3

On-line Suppl. Tab. 2. Allele frequencies at SSR loci in examined *Dianthus* species.

Species	Locus	Allele	Frequency	% of individuals
<i>D. callizonus</i>	MS-DCAMCRBSY	100	0.25	50
	MS-DCAMCRBSY	75	0.75	100
	MS-DCDIA30	100	0.5	100
	MS-DCDIA30	75	0.5	100
	MS-DINCARACC	100	1	100
	MS-DINGSTA	100	1	100
	MS-DINMADSBOX	100	1	100
	MS-DCAMCRBSY	100	0.93	93
	MS-DCAMCRBSY	75	0.07	7
	MS-DCDIA30	200	0.27	53
<i>D. glacialis ssp. gelidus</i>	MS-DCDIA30	50	0.73	100
	MS-DINCARACC	200	0.3	60
	MS-DINCARACC	50	0.7	100
	MS-DINGSTA	75	1	100
	MS-DINMADSBOX	150	0.21	40
	MS-DINMADSBOX	100	0.36	7
	MS-DINMADSBOX	75	0.57	67
	MS-DINMADSBOX	50	0.18	27
	MS-DCAMCRBSY	100	0.5	100
	MS-DCAMCRBSY	50	0.5	100
<i>D. henteri</i>	MS-DCDIA30	200	0.27	53
	MS-DCDIA30	75	0.73	100
	MS-DINCARACC	200	0.62	53
	MS-DINCARACC	150	0.38	33
	MS-DINCARACC	100	0.53	93
	MS-DINGSTA	200	0.47	93
	MS-DINGSTA	75	0.53	100
	MS-DINMADSBOX	150	0.2	40
	MS-DINMADSBOX	100	0.8	100
	MS-DCAMCRBSY	150	0.44	36
<i>D. nardiformis</i>	MS-DCAMCRBSY	100	0.56	45
	MS-DCDIA30	200	0.28	45
	MS-DCDIA30	75	0.77	100
	MS-DINCARACC	150	0.17	27
	MS-DINCARACC	100	0.83	82
	MS-DINGSTA	200	0.32	64
	MS-DINGSTA	100	0.68	100
	MS-DINMADSBOX	150	0.1	18
	MS-DINMADSBOX	75	0.9	91
	MS-DCAMCRBSY	150	0.75	83
<i>D. tenuifolius</i>	MS-DCAMCRBSY	75	0.25	33
	MS-DCDIA30	175	0.42	83
	MS-DCDIA30	75	0.58	100
	MS-DINCARACC	100	1	67
	MS-DINGSTA	175	0.42	67
	MS-DINGSTA	75	0.58	83
	MS-DINMADSBOX	300	0.33	67
	MS-DINMADSBOX	150	0.42	83
	MS-DINMADSBOX	75	0.25	18