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| Region | Primer |  | Sequence | Reference | *Silene* sp. | Program |
| *trnS-trnG intron* | *trnS(GCU)* | F | GCCGCTTTAGTCCACTCAGC | (Hamilton, 1999; Sloan et al., 2012) | *S. vulgaris &* *S. latifolia* | 95ºC 5min; 40 ciclos: 95ºC 30 sec, 52ºC 1 min, 72ºC 1 min; 72ºC 7min |
|  | *trnG(UCC)* | R | GAACGAATCACACTTTTACCAC | (Ingvarsson & Taylor, 2002) |  |  |
| *matK* | *Kim3F* | F | CGTACAGTACTTTTGTGTTTACGAG | (Sloan et al., 2009) | *S. ciliata* | 95ºC 3 min, 40 ciclos: 95ºC30 sec, 49ºC 30sec, 72ºC 1 min; 72ºC 10min |
|  | *Kim1R* | R | ACCCAGTCCATCTGGAAATCTTGGTTC |  |  |  |
| *rbcL* | *rbcL1F* | F | ATGTCACCACAAACAGAAAC | (pers. comm. García-Fernández A.) | *S. ciliata* | 94ªC 3 min; 38 ciclos: 94ªC 1min, 50ªC 50 sec, 72ªC 1 min; 72ªC 8 min) |
|  | *rbcL724r* | R | TCGCATGTACCTGCAGTAGC |  |  |  |
|  | *S1\_For* | F | ATGTCACCACAAACAGAGACT |  |  | 95ºC 3 min, 33 cycles: 94ºC 30sec; 55ºC 30sec, 72ºC 1min, 72ºC 10 min |
|  | *SI\_Rev* | R | AAATCAAGTCCACCRCG |  |  |  |
| *rps16* | *rpsF2a* | F | CTTGAAGGACATGATCTGTTGTGGA | (Oxelman, Lidén &  Berglund, 1997) | tribe *Sileneae* | 95ºC 2 min; 33 ciclos: 95ªC 30 sec, 57ºC 1 min, 72ªC 2 min; 72ªC 7 min |
|  | *rpsR2* | R | CGATAGACGGCTCATTGGGATA | (pers. comm. Giménez-Benavides L., Prieto-Benítez S.) | *S. ciliata* |  |
| *psbA-trnH* | *trnH(GUG)* | F | ACTGCCTTGATCCACTTGGC | (Hamilton, 1999) | *S. vulgaris & S. latifolia* | 95ºC 4min; 35 ciclos: 95º30sec, 53ºC 45sec, 72ºC 45sec; 72ºC 7 min |
|  | *psbA* | R | CGAAGCTCCATCTACAAATGG | (Ingvarsson &Taylor, 2002) |  |  |
| *trnL* | *trnc* | F | CGAAATCGGTAGACGCTACG | (Taberlet et al., 1991) | *S. vulgaris & S. latifolia* | 95ªC 2,5 min; 38 ciclos: 95ªC 1 min, 53ªC 45 sec, 72ªC 1 min; 72ª 7 min |
|  | *trnd* | R | GGGATAGAGGGACTTGAACC | (Ingvarsson, Ribstein &  Taylor, 2003) |  |  |
| *trnL-trnF spacer* | *trne* | F | GGTTCAAGTCCCTCTATCCC | (Taberlet et al., 1991) |  | 95ªC 2,5 min; 38 ciclos: 95ªC 1 min, 53ªC 45 sec, 72ªC 1 min; 72ª 7 min |
|  | *trnf* | R | ATTTGAACTGGTGACACGAG | (Cotrim, 2001) | *S. nutans* |  |
| *psb-psbL spacer* | *psbE-RF* | F | TATCGAATACTGGTAATAATATCAGC | (Popp et al., 2005) | 23 Silene species | 95ºC 5min; 40 ciclos: 95ºC 30 sec, 56ºC 1 min, 72ºC 1 min; 72ºC 10 min |
|  | *petL-R* | R | ATAAGTCGTATCTTGTTYAGACCTA |  |  |  |
| *rpL32-trnL* | *trnLUAG* | R | CTGCTTCCTAAGAGCAGCGT | (López-Vinyallonga et al., 2012) | *S. sennenni* | 95ºC 3min; 34 ciclos, 94ºC 40sec, 54ºC 40sec, 72ºC 1min; 72ºC 10 min |
|  | *rpL32* | F | CAGTTCCAAAAAAACGTACTTC |  |  |  |
| *rpl16* | *rpl16Fc* | F | CAGTCAAGATATGATATATTGTTC | (pers. comm. García-Fernández A.) | *S. ciliata* | 94ºC 4 min; 34 cycles (94ºC 1 min, 55ºC 1 min, 72ºC 2:30 min), 72ºC 7 min |
|  | *rpl16R* | R | CCCTTCATTCTTCCTCTATGTTG |  |  |  |
| *trnS-trnSfm* | *trnfm* | R | CATAACCTTGAGGTCACGGG | (Minder, Rothenbuehler &  Widmer, 2007) | *S. dioica* | Temp. Annealing 62 |
|  | *trnSUGA* | F | GAGAGAGAGGGATTCGAACC |  |  |  |
| *rps4* | *rps4R2* | F | CTGTNAGWCCRTAATGAAAACG | (Taberlet et al., 1991) | Complete genome | 94ºC 3 min; 35 cycles (94ºC 15 sec, 50ºC 30 sec, 72ºC 1min), 72ºC 7 min |
|  | *trnLb* | R | TCTACCGATTTCGCCATATC |  |  |  |