**S2 TABLE.** Primers description. (F) forward and (R) reverse, (length) length of primer, (Ta) Temperature of annealing and (Te) temperature of extension in *Silene cordifolia* and *Viola* *argenteria*.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  | ***S. cordifolia*** | ***V. argenteria*** |  |
| **Primer name** | **F/R** | **length** | **Ta** | **Te** | **Ta** | **Te** | **Sequence** |
| *5'trnG2G* | F | 23 | 49 | 72 | 48 | 72 | GCGGGTATAGTTTAGTGGTAAAA |
| *3'trnGUUC* | R | 23 | GTAGCGGGAATCGAACCCGCATC |
| *trnHGUG* | F | 20 | 55 | 72 | 50 | 72 | ACTGCCTTGATCCACTTGGC |
| *psbA* | R | 21 | CGAAGCTCCATCTACAAATGG |
| *rpoC1F* | F | 21 |  |  | 50 | 72 | GGATACACTTCTTGATAATGG |
| *rpoC1R* | R | 21 | TGAGAAAACATAAGTAAACGG |
| *atpB* | F | 21 |  |  | 50 | 72 | ACTCGCACACACTCCCTTTCC |
| *atpH* | R | 23 | GCTTTTATGGAAGCTTTAACAAT |
| *trnTa* | F | 20 | 63 | 72 | 51 | 72 | CATTACAAATGCGATGCTCT |
| *trnLb* | R | 20 | TCTACCGATTTCGCCATATC |
| *trnLc* | F | 20 |  |  | 52 | 72 | CGAAATCGGTAGACGCTACG |
| *trnLd* | R | 20 | GGGGATAGAGGGACTTGAAC |
| *rps12* | F | 23 |  |  | 54 | 72 | ATTAGAAANRCAAGACAGCCAAT |
| *rpl20* | R | 20 | CGYYAYCGAGCTATATATCC |
| *trnCGCAF* | F | 18 | 53.5 | 72 |  |  | CCAGTTCRAATCYGGGTG |
| *ycf6R* | R | 26 | GCCCAAGCRAGACTTACTATATCCAT |
| *rps16F* | F | 20 | 52 | 72 |  |  | AAACGATGTGGTARAAAGCAA |
| *rps16R* | R | 24 | AACATCWATTGCAASGATTCGATA |
| *trnQUUG* | F | 20 | 56 | 72 |  |  | GCGTGGCCAAGYGGTAAGGC |
| *5'rps16* | R | 22 | GTTGCTTTYTACCACATCGTTT |
| *trnLc* | F | 20 | 60 | 72 |  |  | CGAAATCGGTAGACGCTACG |
| *trnFf* | R | 19 | ATTTGAACTGGTGACACGA |