

S1 Table. Primers used for plastome assembly and cDNA amplification.

| Name | Sequence | Localization | Purpose |
|------------------|-------------------------------|---------------|--------------------|
| Lsqua-C11-F | AGTAGGATTCGACAATGGGTTTGA | 20808-20831 | PCR |
| Lsqua-C28-R | TGTTGGGACTGGGTTAGAACGACA | 25292-25315 | PCR |
| Lsqua-C28-F | ATTTCTCTTTGCCAAGGAGAAGATGC | 35600-35625 | PCR |
| Lsqua-C14-R | CAATTATGAAGCGTGGCTAAGTGAT | 40496-40520 | PCR |
| Lsqua-14-F | CGATAGCACCTTGATCAGTTAATTCAA | 53597-53623 | PCR |
| Lsqua-C5-R | GAACTCCCAATTCTCTAGCAAAT | 55051-55073 | PCR |
| Lsqua-C5-F | CCTCCATACTGAGATATACCATAAGAC | 69210-69236 | PCR |
| Lsqua-C23-R | ACAGCAACCCTAGTCGCCATAT | 72473-72494 | PCR |
| Lsqua-C25-F | GGGAGATATACTATTTACCAATCG | 87390-87414 | PCR |
| Lsqua-C18-R | CATCTCGATCGGAAAAGAATCAAGAG | 94690-94715 | PCR |
| Lsqua-C18-F | TGTAGTGACGAATCTTGTATGTGTTT | 97283-97308 | PCR |
| Lsqua-C16-R | GAACGCTCCCCTACCGATGTAT | 103008-103029 | PCR |
| Lsqua-C16-F | GGATACTAATTGGCAAGAATTTGAAC | 108013-108038 | PCR |
| Lsqua-C7-R | GGACAAAATTCTAAACGCCTTA | 108394-108415 | PCR |
| Lat3-intern-R | TCAATTTATCTCTCTCAACTTGGGA | 54750-54773 | sequencing |
| Lat4-intern-F | TTGGTTCTACCATATTTTTCATTTTATCC | 70210-70238 | sequencing |
| Lat4-intern1-F | CTAGAACCACCTAAAGTTCCAATAA | 72269-72294 | sequencing |
| Lat6-intern-R | CGTTAGCTACAGCACTGCAC | 98686-98705 | sequencing |
| rbcL:54293U21 | CCACAAACAGAGACTAAAGCA | 54313-54333 | cDNA amplification |
| rbcL:54646L22 | GAATCCAAATACGTTTCCTACA | 54666-54687 | cDNA amplification |
| rpoC2:17330U21 | TTGAACGCACTTCTAACACCT | 17350-17370 | cDNA amplification |
| rpoC2:17789L22 | TACCGTTTAATCACTCATAACC | 17809-17830 | cDNA amplification |
| rpoC1:22354U21 | GGATAAATCTAGATCGGCTAA | 22374-22394 | cDNA amplification |
| rpoC1:23444L20 | GAAGATATCAGATGGGCTAC | 23464-23483 | cDNA amplification |
| Lsqua-LSC-IRa-F | AATTGTATGGCCGATCATTGTG | 81864-81885 | PCR |
| Lsqua- LSC-IRa-R | GTTATCCTGCACTCGGAAGAA | 150329-150349 | PCR |
| Lsqua-IRa-SSC-F | ACTGAGTAACTTGTTCAAGAATCG | 108100-108124 | PCR |
| Lsqua- IRa-SSC-R | GTTGGCTCAATTAACGGAGTTT | 108288-108309 | PCR |
| Lsqua- SSC-IRb-F | CTCCCAATTGTTCTAACTCCGTT | 124154-124179 | PCR |
| Lsqua-IRb-LSC-R | TATATAAATCATCGTAACGAAGATGAT | 141-167 | PCR |
| Lath:63862U22F | CAAATATATCATAAGCTAAACC | 63862-63884 | PCR |
| Lath:64410L21 | AATTAAACCTAACACGATTCC | 64410-64431 | PCR |