

Table S1. The list of 26 chloroplast genomes from Scrophulariaceae in phylogenetic analyses.

| Genus | Taxon | Individual code | GenBank Accession | Specimen Number |
|---------------------|-------------------------|-----------------|-------------------|-----------------|
| <i>Scrophularia</i> | <i>S. kiriloviana</i> | Xinjiang AH18 | OP018676 | WRH130602 |
| | <i>S. kiriloviana</i> | Xinjiang AK1 | OP036427 | WRH130606 |
| | <i>S. kiriloviana</i> | Xinjiang ZS3 | OP036428 | FU13865 |
| | <i>S. incisa</i> | Gansu DJ1 | OP036429 | FU12901 |
| | <i>S. inicsa</i> | Qinghai XH7 | OP018675 | LP1108049 |
| | <i>S. dentata</i> | Xizang ZG4 | OP018677 | LP150743 |
| | <i>S. dentata</i> | | MF861202 | |
| | <i>S. integrifolia</i> | Tajikistan H8 | OP018678 | LP173722 |
| | <i>S. buergeriana</i> | | KP718626 | |
| | <i>S. takesimensis</i> | | KP718628 | |
| | <i>S. henryi</i> | | MF861203 | |
| <i>Verbascum</i> | <i>V. phoeniceum</i> | | MN734369 | |
| | <i>V. chinense</i> | | MT610040 | |
| <i>Buddleja</i> | <i>B. alternifolia</i> | | MN395662 | |
| | <i>B. officinalis</i> | | MZ955034 | |
| | <i>B. lindleyana</i> | | MW556315 | |
| | <i>B. sessilifolia</i> | | MH411149 | |
| | <i>B. colvilei</i> | | NC042766 | |
| <i>Myoporum</i> | <i>M. bontioides</i> | | MW348925 | |
| | <i>M. bontioides</i> | | NC050956 | |
| | <i>M. laetum</i> | | MN044641 | |
| <i>Diocirea</i> | <i>D. violacea</i> | | MN044644 | |
| <i>Eremophila</i> | <i>E. oppositifolia</i> | | MN044645 | |
| <i>Leucophyllum</i> | <i>L. frutescens</i> | | MN044638 | |

