**Table S1. Genes in the sequenced *Teucrium* species chloroplast genomes.**

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| --- | --- | --- | --- |
| **Category** | **Group of genes** | **Ontology source** | **Name of genes** |
| **Self-replication** | Large subunit of ribosomal proteins | *Cellular component* | *rpl2*, *14*, *16*, *20*, *22*, *23*, *32*, *33*, *36* |
| Small subunit of ribosomal proteins | *Cellular component* | *rps2, 3, 4, 7, 8, 11, 12, 14,15 ,16, 18, 19* |
| DNA dependent RNA polymerase | *Biological process/Molecular function* | *rpoA, B, C1, C2* |
| rRNA genes | *Biological process* | *rrn 4.5, rrn 5, rrn 16, rrn23* |
| tRNA genes | *Biological process* | *trnA-UGC, trnC-GCA, trnD-GUC, trnE-UUC trnF-GAA, trnfM-CAU, trnG-UCC, trnH-GUG, trnI-CAU, trnI-GAU, trnK-UUU, trnL-CAA, trnL-UAA, trnL-UAG, trnM-CAU, trnN-GUU, trnP-GGG, trnP-UGG, trnQ-UUG, trnR-ACG, trnR-UCU, trnS-GCU, trnS-GGA, trnS-UGA, trnT-GGU, trnT-UGU, trnV-GAC, trnV-UAC, trnW-CCA, trnY-GUA*  |
| **Photosynthesis** | Photosystem I | *Cellular component* | *psaA, B, C, I, J,*  |
| Photosystem II | *Cellular component* | *psbA, B, C, D, E, F, H, I, J, K, L, M, N, T, Z* |
| Cytochrome b6/f complex | *Molecular function* | *petA, B, D, G, L, N* |
| ATP synthase | *Molecular function* | *atpA, B, E, F, H, I* |
| Rubisco | *Cellular component* | *rbcL* |
| **Other genes** | Maturase | *Cellular component* | *matK* |
| Protease | *Cellular component* | *clpP* |
| Envelop membrane protein | *Molecular function* | *cemA* |
| Subunit Acetyl- CoA-Carboxylate | *Molecular function, Biological process* | *accD* |
| c-type cytochrome synthesis gene | *Biological process* | *ccsA* |
| **Unknown** | Conserved Open reading frames | *Cellular component (Ycf2)*  | *Ycf1,2, 3,4, 15* |