Table S2 Statistics of tandem repeats, forward repeats and palindromic repeats in *S. suchowensis* chloroplast genome

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| Type | No. | Size (bp) | Location | Repeat unit |
| Tandem repeats | 1 | 17 | *rpl16* (intron) | ATCATAATCATTTCATT\*2 |
| 2 | 16 | IGS (*clpP*, *rps12*) | ATTTTAGTTTCTTACC\*2 |
| 3 | 26 | IGS (*trnV-UAC*, *ndhC*) | AATCGAGAAAAGAGTCTTATTTGTAT\*2 |
| 4 | 7 | IGS (*ndhJ*, *trnF-GAA*) | CTCTAGA\*4 |
| 5 | 14 | IGS (*ycf3*, *psaA*) | TCTTATTCTTATAT\*2 |
| 6 | 13 | IGS (*ycf3*, *psaA*) | TCTTATATTAAAA\*2 |
| 7 | 11 | IGS (*trnG-UCC*, *psbZ*) | TATATTTATAT\*3 |
| 8 | 18 | IGS (*trnG-UCC*, *psbZ*) | TTATTCCATTTTATTTCA\*2 |
| 9 | 12 | IGS (*trnG-UCC*, *psbZ*) | ATATCTAATATT\*2 |
| 10 | 17 | IGS (*psbD*, *trnT-GGU*) | TATAACTATAATTACTA\*2 |
| 11 | 17 | IGS (*trnY-GUA*, *trnD-GUC*) | TTTATTTGAAATAACGA\*2 |
| 12 | 13 | IGS (*psbM*, *petN*) | ATTGAATTCAATT\*2 |
| 13 | 21 | IGS (*psbM*, *petN*) | TCAATTAGTAGTATCCCTAGA\*2 |
| 14 | 13 | IGS (*trnR-UCU*, *trnG-TCC*) | TTATAGATATAGA\*2 |
| 15 | 14 | IGS (*trnQ-UUG*, *trnK-UUU*) | CCTAATTATTTTAT\*2 |
| 16 | 19 | IGS (*psbA*, *trnH-GUG*) | AAATGGATAAGACTTTTGT\*2 |
| 17 | 12 | IGS (*ycf15*, *trnL-CAA*) | TGAATAACTAAA\*2 |
| 18 | 19 | IGS (*rps12*, *trnV-GAC*) | TAATAAGAATAAGAACAAG\*2 |
| 19 | 13 | IGS (*rps12*, *trnV-GAC*) | TAGTATTAGATTA\*2 |
| 20 | 14 | IGS (*rps12*, *trnV-GAC*) | TTTAAGAATACCGA\* |
| 21 | 16 | IGS (*trnR-ACG*, *trnN-GUU*) | AATTAAATTATTAATT\*2 |
| 22 | 16 | IGS (*trnR-ACG*, *trnN-GUU*) | CTTAATTGGCTAGTTG\*2 |
| 23 | 13 | IGS (*trnN-GUU*, *ycf1*) | TTCTATTTCTATA\*2 |
| 24 | 22 | IGS (*ndhF*, *trnL-UAG*) | AATTAAGTTTAACTTATTTTAT\*2 |
| 25 | 13 | IGS (*ycf1*, *trnN-GUU*) | ATATAGAAATAGA\*2 |
| 26 | 16 | IGS (*trnN-GUU*, *trnR-ACG*) | CAACTAGCCAATTAAG\*2 |
| 27 | 16 | IGS (*trnN-GUU*, *trnR-ACG*) | AATTAATTAATAATTT\*2 |
| 28 | 14 | IGS (*trnV-GAC*, *rps12*) | TCGGTATTCTTAAA\*2 |
| 29 | 13 | IGS (*trnV-GAC*, *rps1*) | TAATCTAATACTA\*2 |
| 30 | 19 | IGS (*trnV-GAC*, *rps12*) | CTTGTTCTTATTCTTATTA\*2 |
| 31 | 12 | IGS (*trnV-GAC*, *rps12*) | ATTTAGTTATTC\*2 |
| Forward repeats | 1 | 76 | *accD*IGS (*trnS-GGA*, *ycf3*) | GCAATCCCGATTTGAGAACGAAGATAACTGTCAATGCAACTATTGATGTAATTATTCCAACTATATTTATTATCAT\*2 |
| 2 | 58 | *accD*IGS (*trnS-GGA*, *ycf3*) | CGAAGATAACTGTCAATGCAACTATTGATGTAATTATTCCAACTATATTTATTATCAT\*2 |
| 3 | 52 | IGS (*rpl16*, *rpl14*) | AATTCATTATTTTGAGATAGGAATACAGAACTAAAAGGAAAAAGCCTTTCTT\*2 |
| 4 | 55 | *psaA**psaB* | CCATTTAGCTATTGCAATTCTTTTCTTGGTAGCGGGTCACATGTATAGGACTAAC\*2 |
| 5 | 43 | *accD*IGS (*trnS-GGA*, *ycf3*) | ATGCAACTATTGATGTAATTATTCCAACTATATTTATTATCAT\*2 |
| 6 | 42 | IGS (*rps12*, *trnV-GAC*)*ndhA* (intron) | CTACAGAACCGTACATGAGATTTTCACCTCATACGGCTCCTC\*2 |
| 7 | 39 | *psaA**psaB* | ATTCTTTTCTTGGTAGCGGGTCACATGTATAGGACTAAC\*2 |
| 8 | 37 | *psaA**psaB* | TAGCGGGTCACATGTATAGGACTAACTGGGGGATTGG\*2 |
| 9 | 39 | *ycf3* (intron)IGS (*trnV-GAC, rps12*) | GGAGGAGCCGTATGAGATGAAAACCTCACGTACGGTTCT\*2 |
| 10 | 39 | *ycf2* | TTATTGATGATAGGGACGATATTGATGATAGTGACGATA\*2 |
| 11 | 39 | *ycf2* | GATATCGTCACTCACATCAATATCGTCACTATCATCAAT\*2 |
| 12 | 32 | IGS (*rps12*, *trnV-GAC*)*ndhA* (intron) | GTACATGAGATTTTCACCTCATACGGCTCCTC\*2 |
| 13 | 32 | IGS (*rpoC2*, *rps2*) | TAATAAATAAAAGTAATAAATAAAGATAATAT\*2 |
| 14 | 30 | IGS (*rps3*, *rpl16*)*clpP* (intron) | ATTCTTTTTTTTTATCAAAAAAAAAAAAGA\*2 |
| 15 | 30 | *trnG-UCC**trnG-TCC* | GGCGGATAGCGGGAATCGAACCCGCATCTT\*2 |
| 16 | 30 | *trns-UGA**trnS-GCU* | TCGAGGGTTCGAATCCCTCTCTCTCCTTTT\*2 |
| Palindromic repeats | 1 | 42 | *ndhA* (intron)IGS (*trnV-GAC*, *rps12*) | TTACAGAACCATACATGAGATTTTCACCTCATATGGCTCCTC |
| 2 | 39 | *ycf3* (intron)IGS (*rps12*, *trnV-GAC*) | GGAGGAGCCGTATGAGATGAAAACCTCACGTACGGTTCT |
| 3 | 32 | *ndhA* (intron)IGS (*trnV-GAC*, *rps12*) | ATACATGAGATTTTCACCTCATATGGCTCCTC |
| 4 | 30 | *trnS-GGA**trnS-GCU* | TGCGGAAAGAGAGGGATTCGAACCCTCGGT |
| 5 | 32 | IGS (*trnV-UAC*, *ndhC*)IGS (*rpoC2*, *rps2*) | AATATTATTATTATTTATTATTATATTTTATT |