

Length : 61 bp

Repeat type : Direct-Antisense reverse repeat

Location : *clpP-IGS-accD* (from 25205 to 25145)

trnL-CAA-IGS-*ycf1* (from 121996 to 122056)

25205	:	AAATGTGCCG	AAAGTGCCCT	ATCAAGGGCC	CGAAGAGGAG	GAAGCAA	ACT	GGGTCGAATT	A	25145
	:						:			
121996	:	AAATGTGCCG	AAAGTGCCAT	ATCAAGGGCC	CGAAGAGGAG	GAAGCAAGCT		GGGTCGAATT	A	122056

Length : 55 bp

Repeat type : Direct-Antisense reverse repeat

Location : *rbcL-IGS-atpE* (from 30258 to 30204)

trnL-CAA-IGS-*ycf1* (from 122082 to 122136)

30258 : CTTTACG TTC GACACCCAGG TCGAGTAGAC CTCGTCTTG TAAGAGCTAT TAACC 30204
| : | | : |
122082 : CTTTACG TTC GACACCATG TCGAGTAGAC CTCGTCTTG TTAGA ACTAT TCATC 122136

Length : 119bp

Repeat type : Direct-Antisense reverse repeat

Location : *rrn16-IGS-trnV-GAC* (from 107721 to 107603)

trnL-CAA-IGS-*ycf1* (from 121376 to 121493)

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107721 : ATTTAGTAAA GAAAAATGAAA GGATATTGAT AAACATCTTT CTTATAAGAA AGATATTATA
        |||||      |||||      |||||      |||||      || : || |||||:||
121376 : ATTTAGTAAA CAAAAATGAAA GGATATTGAT AAACATCTTT CTATAG-GAA AGATATTGTA
        TAGATGATAG ATAATTCGTA AATCGACTTC GTCCACGAAG AAGGGAGCTA TAAGTAATA 107603
        |||||      |||||      |||||      |||||      |||||      |||||
        TAGATGATAG ATAATTCGTA AATCGACTTC GTCCACGAAG AAGGGAGCTA TAAGTTAGA 121493

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Length : 108bp

Repeat type : D

Location : *psbJ*-**IGS**-*clpP* (from 24

ccsA-IGS-petA (from 131214 to 131322)

000, 1000 per 1 (from 101=1 to 1010=1)

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      : |||||: ||| ||||| ||||| |||||: ||
131214 : TTAGGAAGGA AGAAGAATCG GTATTATTGC CGGTAATAGA ATATTACTGG GGGAGAATCG
      GAAACCCAGC AAAAAACAAA TCCAAATTTT TCGGAGACCT ATAGTTTC 24338
      |:|:| ||||| |||:| ||| ||| | ||||:
      GGAAGTCAGC AAAAAACAAA TCCGAATTTT TCGCAGAACT AAAGTTTT 131321

```