The nucleotide sequences of trnR(ACG) and trnS(GCU) of Chlorella ellipsoidea chloroplast DNA have been determined. The former is located close to the ARS sequence in the small single copy region (1) and the latter is between trnA(UGC) and psbA within the large inverted repeat sequence (2).

trnR(ACG): GGGTGTGTAG CTCAGTGGAC TAGAGCACGT GGCTACGAAC CACGGTGTCG

trnS(GCU): GGAGTGATGT CTGAGTGGCC GAAAGAGCTC GATTGCTAAT CGAGTATACA

The trnR(ACG) sequence shows 90.5%, 94.5% and 93.2% homology with that of Euglena gracilis, Spirodela oligorhiza and tobacco, respectively (3). The trnS(GCU) sequence shows 74.7% and 74.7% homology with that of Euglena gracilis and tobacco, respectively (3).

References