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[\[PDF \(959K\)\]](#) [\[References\]](#)**Primer sets for DNA amplification of the noncoding regions of the chloroplast genome in the grass family**Kentaro Yasuda¹⁾ and Hidejiro Shibayama¹⁾

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Summary:

We designed 74 primers (37 pairs) for the DNA amplification of 37 noncoding regions in the large single copy (LSC) and the small single copy region (SSC) of the chloroplast genome in the grass family based on the sequence data from *Oryza sativa* and *Zea mays*. The utility of the designed primer sets in amplifying DNA was evaluated using five grass species, *O. sativa*, *Alopecurus aequalis*, *Arundo donax*, *Cynodon dactylon* and *Imperata cylindrica*. The results indicated that 33 primer sets were useful in amplifying each single DNA fragment from at least three species, and 25 out of them could amplify DNA fragments from all five species.

Keywords: grass family Poaceae, noncoding region, primer, chloroplast genome[\[PDF \(959K\)\]](#) [\[References\]](#)Download Meta of Article [\[Help\]](#)[RIS](#)[BibTeX](#)

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