

Sequence of the chloroplast *rps14* gene encoding the chloroplast ribosomal protein S14 from rice

Jean-Charles Côté and Ray Wu*

Section of Biochemistry, Molecular and Cell Biology, Cornell University, Ithaca, NY 14853, USA

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We present here the nucleotide and the derived amino acid sequence of the chloroplast *rps14* gene of rice (*Oryza sativa* L. var *Labelle*). The *rps14* gene encodes the chloroplast ribosomal protein S14. The rice sequence shares 85% and 86% identity at the DNA level and at the deduced amino acid sequence level respectively with its tobacco counterpart (Shinozaki *et al.*, 1986). A peculiarity of the rice clone, however, is the presence of three additional amino acids: Arg, Tyr and Leu at amino acid position 32, 35 and 37 respectively. The rice gene would code for a protein of 103 amino acids with a molecular weight of 12256 daltons.

ggatccgc cttcttag -73

at tctttttct atttattttt ccacttagga ttagaacctg atacttggtg gatagtagga acggcacatt -1

ATG GCA AAA AAA AGT TTG ATT CAG AGA GAG AGG AAG CGG CAG AAA TTA GAA CAG AAA TAT 60
Met Ala Lys Lys Ser Leu Ile Gln Arg Glu Arg Lys Arg Gln Lys Leu Glu Gln Lys Tyr

CAT TTG ATT CGT CGA TCT TCA AAA AAA AAG ATA AGA AGC AAA GTT TAC CCT TTG AGT TTG 120
His Leu Ile Arg Arg Ser Ser Lys Lys Lys Ile Arg Ser Lys Val Tyr Pro Leu Ser Leu

AGT GAA AAA ACG AAA ATG CGA GAA AAA TTG CAA TCC CTG CCA CGT AAT AGT GCA CCG ACA 180
Ser Glu Lys Thr Lys Met Arg Glu Lys Leu Gln Ser Leu Pro Arg Asn Ser Ala Pro Thr

CGC CTT CAT CGA CGT TGT TTT TTG ACC GGA AGA CCT AGA GCT AAC TAT CGA GAC TTT GGG 240
Arg Leu His Arg Arg Cys Phe Leu Thr Gly Arg Pro Arg Ala Asn Tyr Arg Asp Phe Gly

CTA TCC GGA CAC ATA CTT CGA GAA ATG GTT TAT GCA TGT TTG TTA CCG GGT GCA ACA AGA 300
Leu Ser Gly His Ile Leu Arg Glu Met Val Tyr Ala Cys Leu Leu Pro Gly Ala Thr Arg

TCC AGT TGG taa

312

Ser Ser Trp

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*To whom correspondence should be addressed

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