

## A methionine tRNA gene from lupine mitochondria

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We present the sequence of an initiator methionine tRNA gene (underlined) and its flanking sequences from lupine mitochondria. The cloning of this gene has been described previously (1). The sequence flanking the 5' end of this gene has 83.5% homology to the sequence at the 5' end of the *Oenothera* methionine mitochondrial initiator tRNA gene (2) (underlined with a dashed line).

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      10      20      30      40      50      60      70
CAACTCTGTACCTCTTTGGTTGCCTGCCCCCTTGTTCGCTATTGCAATTACTACCACAATAAACTAGCCC

      80      90      100     110     120     130     140
CTCTCTCTAAGCTAAGGGGCTTATGTTCTGGGTCGCGAAGAATTTAGCTGCCAACCCCTAGTCAGCAAG

      150     160     170     180     190     200     210
CTTAAATTA AAAAGTCTTTCTAATAAAGAAGGTCAGCTTCATAGCTCCAACCTAGGTTAGGGGTCGTTA

      220     230     240     250     260     270     280
GACGCCGCTTACTTACTAAGCGCTGGTCTATCCCGCCAAGCAACCAAGGTCCCTAGTGGGAATAGT

      290     300     310     320     330     340     350
CAAAGAAAAGAAAAGACAGAAAGGGAAGAAGCGGGTAGAGTAGTTGGTTAACTCGTCAGGCTCATGACCTGA

      360     370     380     390     400     410     420
AGATTGCAGGTTCGAATCTGCCCCCGCATGCTCTTTCTTAAAGTCTGAACTTGAACCTAGTTTCA

      430     440     450     460     470     480     490
CTAAGCAGAAGCAAGACGGACATCTTGAGGGAAGAGGGCAGTTTGATGGCTATGATAGCGCGGTGACTA

      500     510     520     530     540     550     560
TCCGGAAGATTTTGAAGAGCTGCCAAGCAATCAAGCAATAAAGAAAGGAGCATCACAAAGATGAGGACA

      570     580     590     600     610     620     630
TGAACGCAGAGTTGGAACAGCATGCCATGCATAGTTCATATTAATGTAGAGCATACATTATCACAGCTG

      640     650     660     670     680     690     700
TGACAAGCAGAAAGACTTTAGTCTGTATCTGACATAGCATATGCTGAACCATAAATGAGATGACCAGA

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1. Augustyniak, H., Borsuk, P., Hirschler, I., Stepien, P., and Bartnik, E. (1983) *Gene* 22, 69 - 74.
2. Gottschalk, M., and Brennicke, A. (1985) *Current Genetics* 9, 165 - 168.