

**Nucleotide sequence of the gene encoding the small ribosomal RNA in the mitochondrial genome of the fission yeast *Schizosaccharomyces pombe***

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The small rRNA gene is flanked by tRNA<sup>ala</sup> and tRNA<sup>met</sup>. In the direction of transcription it is downstream of the large rRNA gene\*. Its G+C content is 34% (*S. cerevisiae* 22%). There are 5 to 8 S1 signals in the A rich region (smaller case letters) following the C cluster at the 3'-end, indicating that the 9 C's are part of the rRNA and may act as processing signal.

AUAAAAUUAU	AUAUAUGAG	UUUGAUGUUA	GCUCGGUUAU	AACGCUAUCU	50
AGAGAUUUUA	ACACAUGCAA	AUCGAACGAA	UCAACAAAAA	CAAUACAUCU	100
UUUAGGGGAU	GUUUGUGUUU	UUUUGUGACG	UGGUGAACAG	GUGAGUAAAA	150
GGGAAGAACG	GACCUAAAAU	UUCGGCUAAA	UUCCGAAUAA	ACACACUCUU	200
UUGGAGUGUU	GUGAAAGAAG	UGAAAACUUU	GAUUUAAGAC	UGGCUUCUUA	250
CGAUUAAAGU	AGUUGGAGAG	GUAAAAAGCUU	AACAAGCUCU	AAUCGUAAUC	300
AUGACACUAA	GUGGUGCUCU	GAUCACAUUG	GCUCUGAGAC	AACAGCCAAG	350
AUGAACAUUU	AGUUCAUCCA	GCAGUGGAGA	AUAUUAGUCA	AUGAUCGAAA	400
GAUUGAACUA	GUCAUCUAGA	AGAGUGAAAC	UUUUAGUUUA	AGCUCCUUA	450
AUUAAAGAAA	UUUGAUUCUU	AAUUUUUUGU	AAUUCUUGCC	AAUUUCCGUG	500
CCAGCAGCAG	CGGUUAUACG	GAUAGAAUAA	GCGUUUAACA	UAAUAAAAAG	550
GCCUAAAAAG	UAUGUAGAUG	GAAAAAAACA	AAUCUUUUUC	UAGAGUAAUA	600
AAGAUGUUUG	UAGUAUUGUC	AAAUAAGGGA	UCAAAUCCGA	CAAUCUUGAU	650
GAGCUGUCU	GAAUAUCCGA	GUGAAUCAUG	UUUUUUUUU	AGAUAAUCCG	700
CGAAGGCUUA	GAUCGCGAAA	GAGAUUAGAU	ACCUCUGUAG	UCUAAGCUGU	750
AAACGAUUUA	UGCUCUCCCA	AUCUUUUUGA	UUGGGUUUAG	UGAAGACGGU	800
AAGCAAUAUG	CCUGGGGAGU	ACUUUCGCAA	GAUUGAAACC	CAAAACAUA	850
GACGGUCUUG	GAAUAUCCGA	GUGAAUCAUG	UUUUUUUUU	AGAUAAUCCG	900
CUAAAAUCU	UACCUUCCU	UAAAACAUAU	AGUUUUUUU	GUUGGGUAUU	950
GCAUGGCUGU	CUUUAGUUAA	UGUCGUAAGA	UGAGGUUUAA	UCCCAUUAAU	1000
UAACGAAAGC	CUUCAAGAA	UUUGUUUUUC	UUUGUGUUAG	UGAUAAAGCUA	1050
ACUUUUUAGA	GGGUUAAGAC	AAGUCAUAU	GAUCCUUUAG	GAAAGGGCUA	1100
UAGACGUGAU	AUAAAAUCUA	AUCCAAUAU	UUUUAAUAUC	GAAAGAUUGA	1150
AGUAUUUAUA	UAAUGGUUAG	GAGAUUUUAU	CAGAUUUAAA	UCUGUAAUUU	1200
GAUUUAUUGA	AGGAGGAAUU	GCGAGUAAUC	ACUAAUCAU	ACGUAGUGGU	1250
GAAAUUUUUC	UCUGAGAUGU	ACUAAUCUACU	CGUCAAGCGC	UGAAAGUAUU	1300
AAUCUCUUGA	AGAAGACAUA	CAUUUGUUUU	CCCAAGGUGU	UGUGCAAUUA	1350
GUGUUAAGUC	GAAAUUAGGU	AACCGUAGUG	GAAGUUGCGG	UUGAACUAAU	1400
UAAUUCAGGU	UAACCCCCC	CCaaaaaata	aaatacatcc	atatcaaaaa	1422

**REFERENCES**

\* Wolf, K. In: Gene Structure in Eukaryotic Microbes, J. R. Kinghorn, ed., pp 69-91, IRL Press, 1987