TABLES.CHR2_TRNA.TXT

NOTE: Set the terminal to a width of 152 characters/line and edit (VMS eve) to be able to read properly

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The content of this file is part of the data unraveled by a consortium of European laboratories supported by the
Commission of the European Union in the framework of sequencing yeast chromosome II.

H. Feldmann et al. (1994) ’ Complete DNA sequence of yeast chromosome II’, submitted

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>>>> The data may be used for scientific purposes under the condition that the proper reference is given <<<<<<

We have made every effort to ensure liability of the data and cannot be responsible for the consequences to
users of any errors resulting from its use.

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Table 7. Yeast chromosome II: List of tRNA genes

tRNA gene name (codon)	tRNA codon (gene)	anti-codon	coordinates	gene size (nuc)	intron size (nuc)	described tRNA gene on Chr. II [ref]	identical ectopic tRNA tRNA gene [ref]	colinear identified sequence (anticodon) [ref]	isoacceptors gene or tRNA [ref]
Left Arm:									
tL(UUR)BL	Leu4	TAA	3629 - 3712/w	84	-	yes[35,37]	II(tw), XI[8]	Leu4(U*AA)[10]	Leu1[25,31], Leu3[1,6,25,34]

tF(UUY)B	Phe	GAA	30431 - 30521/w	91	18	yes[35,37]	- [5,39]	Phe (GmAA)[30]	Phe[5,25]
tI(AUH)B	Ile2	AAT	191497 - 191570/w	74	-	yes[33,35]	- [11]	Ile2 (IAU)[29]	Ile1[25,29]
tG(GGY)B	Gly1	GCC	191633 - 191703/c	71	-	yes[33,35]	III[26]	Gly1 (GCC)[45]	SUFGly[12,23]
tS(UCH)B	Ser2	AGA	221079 - 221160/w	82	-	-	- [3,28]	Ser2 (IGA)[46]	Ser1[46], AGYSer3[17] minorSer[27]; UCASer[4,27]
Right Arm:									
tT(ACU)B	Thr1a	AGT	260379 - 260451/w	73	-	yes[35,37]	III [26]	Thr1a (AGU)[43]	Thr1b[43]; Thr2[22,37]
tV(GUR)B	Val2a	TAC	320794 - 320867/c	74	-	-		Val2a (U*AC)[2]	Val1b[3,15] ; Val2a,b[2,16]
tL(UUR)BR	Leu4	TAA	341604 - 341687/w	84	-	-	II (tw),XI[8]	Leu4 (U*AA)[10]	Leu1[25,31], Leu3[1,6,25,34]
tQ(CAR)B	Gln	TTG	344828 - 344899/w	72	-	-		Gln (U?UG)	CUGGln[21];Gln[24,38];CAGGln[42]
tR(AGR)B	Arg3	TCT	399883 - 399954/w	72	-	yes[35]	- [32,35]	Arg3(Umcm5*CU) [3,44]	Arg1[13]; Arg2[44] Arg3[19,32,41]; Arg3a[40]
tD(GAY)B	Asp	GTC	399965 - 400036/w	70	-	yes[35]	- [32,35];	Asp (GUC)[13]	Asp[13,32]
tC(UGY)B	Cys	GCA	637012 - 637083/c	72	-	yes[14,35]	- ([14]	Cys (GCA) [18]	
tE(GAR)B	Glu3	TTC	639172 - 639243/w	72	-	yes[35,41]	-[9,17],XI[8] III [26]	Glu3 (Uts5*UC)[20]	Glu4[36]

Notes: tw, this work; R, purine nucleotide (A or G); Y, pyrimidine nucleotide (U or C); metanucleotide H symbolizes A, U, or C; U* and U?, modified U; other abbreviations for modified nucleotides follow general rules (for details see Steinberg, S., Misch, A., and Sprinzl, M. (1993) Nucleic Acids Res. 21, 3011-3015).

Table 8. Yeast chromosome II: References for tRNA genes

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