



The Secret Code (m-RNA Codons)

Kathy Paris

UUU = A	CAA = H	AAA = O	UAG = V
UAC = B	GAC = I	UCA = P	CAG = W
AGG = C	CCC = J	GAG = Q	UGG = X
GCU = D	AAU = K	UCC = R	UCG = Y
AAG = E	CGC = L	GCG = S	ACC = Z
CUC = F	AUC = M	GGU = T	GGG = START READING CODE HERE
GAU = G	GCA = N	CUG = U	

[Scavenger Hunt](#) [Bonus Mystery](#) [Answer Key](#)

Secret Codes: [DNA code](#) [m-RNA codons](#)

[Activities-To-Go Index](#)

[Activities Exchange Index](#)

national
health
museum

[Feedback](#) [About AE](#) [Discussions](#) [Copyright © Info](#) [Privacy Policy](#)
[Sitemap](#) [Email this Link](#) [Contact](#) [Access Excellence Home](#)

search ae@nhm



The Secret DNA Code

Kathy Paris

Transcribe the DNA code (given) into the m-RNA codon. Then, translate the m-RNA codon into words (instead of proteins). NOTE: DNA never leaves the nucleus; only m-RNA, after copying the DNA code, leaves the nucleus and goes to the ribosome. The DNA is shown here only to make the copying process (transcription) easier.

RIBOSOME 1

DNA=CCCCTATTTCCATTTTCGATTCTAGTTTTCTTTGACCGTCCATTCAGG

RIBOSOME 2

CCCCTATTTCCATTTTCGTTTCAGTAAAAGTTTCAGGCCATTTGACTTCGCG

RIBOSOME 3

CCCCTATTTCCATTTTAGAGGCGCAGTAAAAGGCTGCGC

RIBOSOME 4

CCCCTACTGATCTTCTCCTTTTCGATTTCGTTGACCGTCTAAGGAGC

RIBOSOME 5

CCCAAACGCTTAGAGTTTAGGTTATTCAGCCGC

RIBOSOME 6

CCCGACCGCTTCTAGTTCCGACTGGACTAGCTATTTGCGCGATTATTCAGC

RIBOSOME 7

CCCCTATTTCCATTTATGCTGCTAAGTCTGTCCCCAGACAGGTTCTTTGAGTAGAGC

CGATTTCTA

RIBOSOME 8