

APPENDIX 1: CODON TABLE. NOTE THAT WHILE DNA HAS THE BASE THYMINE (T), RNA USES URACIL (U) IN PLACE OF T. BECAUSE OF THE CENTRAL DOGMA (DNA → TRANSCRIPTION → MRNA → TRANSLATION → PROTEIN), CODON TABLES USE U INSTEAD OF T. THUS, A DNA SEQUENCE OF ATG IS REPRESENTED BY THE MRNA SEQUENCE OF AUG HERE IN THESE TABLES.

		Second letter					
		U	C	A	G		
First letter	U	UUU } Phe UUC } UUA } Leu UUG }	UCU } UCC } Ser UCA } UCG }	UAU } Tyr UAC } UAA Stop UAG Stop	UGU } Cys UGC } UGA Stop UGG Trp	U C A G	Third letter
	C	CUU } CUC } Leu CUA } CUG }	CCU } CCC } Pro CCA } CCG }	CAU } His CAC } CAA } Gln CAG }	CGU } CGC } Arg CGA } CGG }	U C A G	
	A	AUU } AUC } Ile AUA } AUG Met	ACU } ACC } Thr ACA } ACG }	AAU } Asn AAC } AAA } Lys AAG }	AGU } Ser AGC } AGA } Arg AGG }	U C A G	
	G	GUU } GUC } Val GUA } GUG }	GCU } GCC } Ala GCA } GCG }	GAU } Asp GAC } GAA } Glu GAG }	GGU } GGC } Gly GGA } GGG }	U C A G	

CODON WHEEL

