

# mRNA Codon/Amino Acid Chart

First Base	Second Base				Third Base		
	U	C	A	G			
U	UUU } Phenylalanine UUC } (Phe)	UCU } Serine (Ser) UCC } UCA } UCG }	UAU } Tyrosine (Tyr) UAC } UAA } Stop UAG }	UGU } Cysteine (Cys) UGC } UGA } Stop UGG } Tryptophan (Trp)	U C A G		
	C	CUU } Leucine (Leu) CUC } CUA } CUG }	CCU } Proline (Pro) CCC } CCA } CCG }	CAU } Histidine (His) CAC } CAA } Glutamine CAG } ( <del>His</del> )(Gln)	CGU } Arginine (Arg) CGC } CGA } CGG }	U C A G	
		A	AUU } Isoleucine (Ile) AUC } AUA } AUG } Start Methionine (Met)	ACU } Threonine (Thr) ACC } ACA } ACG }	AAU } Asparagine (Asn) AAC } AAA } Lysine (Lys) AAG }	AGU } Serine (Ser) AGC } AGA } Arginine (Arg) AGG }	U C A G
			G	GUU } Valine (Val) GUC } GUA } GUG }	GCU } Alanine (Ala) GCC } GCA } GCG }	GAU } Aspartic Acid (Asp) GAC } GAA } Glutamic Acid (Glu) GAG }	GGU } Glycine (Gly) GGC } GGA } GGG }