

Table 3-6 The Genetic Code - Codons in mRNA

GENETIC CODE

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

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

