

UUU } UUC } UUA } UUG }	PHE LEU	UCU } UCC } UCA } UCG }	SER	UAU } UAC } UAA } UAG }	TYR STOP	UGU } UGC } UGA } UGG }	CYS STOP TRP
CUU } CUC } CUA } CUG }	LEU	CCU } CCC } CCA } CCG }	PRO	CAU } CAC } CAA } CAG }	HIS GLN	CGU } CGC } CGA } CGG }	ARG
AUU } AUC } AUA } AUG }	ILE MET	ACU } ACC } ACA } ACG }	THR	AAU } AAC } AAA } AAG }	ASN LYS	AGU } AGC } AGA } AGG }	SER ARG
GUU } GUC } GUA } GUG }	VAL	GCU } GCC } GCA } GCG }	ALA	GAU } GAC } GAA } GAG }	ASP GLU	GGU } GGC } GGA } GGG }	GLY

	T	C	A	G
T	TTT Phe (F) TTC Phe (F) TTA Leu (L) TTG Leu (L)	TCT Ser (S) TCC Ser (S) TCA Ser (S) TCG Ser (S)	TAT Tyr (Y) TAC Tyr (Y) TAA STOP TAG STOP	TGT Cys (C) TGC Cys (C) TGA STOP TGG Trp (W)
C	CTT Leu (L) CTC Leu (L) CTA Leu (L) CTG Leu (L)	CCT Pro (P) CCC Pro (P) CCA Pro (P) CCG Pro (P)	CAT His (H) CAC His (H) CAA Gln (Q) CAG Gln (Q)	CGT Arg (R) CGC Arg (R) CGA Arg (R) CGG Arg (R)
A	ATT Ile (I) ATC Ile (I) ATA Ile (I) ATG Met (M)	ACT Thr (T) ACC Thr (T) ACA Thr (T) ACG Thr (T)	AAT Asn (N) AAC Asn (N) AAA Lys (K) AAG Lys (K)	AGT Ser (S) AGC Ser (S) AGA Arg (R) AGG Arg (R)
G	GTT Val (V) GTC Val (V) GTA Val (V) GTG Val (V)	GCT Ala (A) GCC Ala (A) GCA Ala (A) GCG Ala (A)	GAT Asp (D) GAC Asp (D) GAA Glu (E) GAG Glu (E)	GGT Gly (G) GGC Gly (G) GGA Gly (G) GGG Gly (G)

Symbol	Name	Residue Composition	Monoisotopic Residue Mass	Average Residue Mass
Ala A	Alanine	C3H5NO	71.03711	71.0788
Arg R	Arginine	C6H12N4O	156.10111	156.18748
Asn N	Asparagine	C4H6N2O2	114.04293	114.10384
Asp D	Aspartic Acid	C4H5NO3	115.02694	115.0886
Cys C	Cysteine	C3H5NOS	103.00919	103.1448
Glu E	Glutamic Acid	C5H7NO3	129.04259	129.11548
Gln Q	Glutamine	C5H8N2O2	128.05858	128.13072
Gly G	Glycine	C2H3NO	57.02146	57.05192
His H	Histidine	C6H7N3O	137.05891	137.14108
Ile I	Isoleucine	C6H11NO	113.08406	113.15944
Leu L	Leucine	C6H11NO	113.08406	113.15944
Lys K	Lysine	C6H12N2O	128.09496	128.17408
Met M	Methionine	C5H9NOS	131.04049	131.19856
Phe F	Phenylalanine	C9H9NO	147.06841	147.17656
Pro P	Proline	C5H7NO	97.05276	97.11668
Ser S	Serine	C3H5NO2	87.03203	87.0782
Thr T	Threonine	C4H7NO2	101.04768	101.10508
Trp W	Tryptophan	C11H10N2O	186.07931	186.2132
Tyr Y	Tyrosine	C9H9NO2	163.06333	163.17596
Val V	Valine	C5H9NO	99.06841	99.13256

