

		Ala	Arg	Asn	Asp	Cys	Gln	Glu	Gly	His	Ile	Leu	Lys	Met	Phe	Pro	Ser	Thr	Trp	Tyr	Val	Asx	Glx	Unkown	* End
Ala	A	4																							
Arg	R	-1	8																						
Asn	N	0	-2	8																					
Asp	D	0	-1	1	9																				
Cys	C	-3	-2	-1	-3	17																			
Gln	Q	1	3	-1	-1	-2	8																		
Glu	E	0	-1	-1	1	1	2	6																	
Gly	G	0	-2	0	-1	-4	-2	-2	8																
His	H	-2	-1	-1	-2	-5	0	0	-3	14															
Ile	I	0	-3	0	-4	-2	-2	-3	-1	-2	6														
Leu	L	-1	-2	-2	-1	0	-2	-1	-2	-1	2	4													
Lys	K	0	1	0	0	-3	0	2	-1	-2	-2	-2	4												
Met	M	1	0	0	-3	-2	-1	-1	-2	2	1	2	2	6											
Phe	F	-2	-1	-1	-5	-3	-3	-4	-3	-3	0	2	-1	-2	10										
Pro	P	-1	-1	-3	-1	-3	0	1	-1	1	-3	-3	1	-4	-4	11									
Ser	S	1	-1	0	0	-2	-1	0	0	-1	-1	-2	0	-2	-1	-1	4								
Thr	T	1	-3	1	-1	-2	0	-2	-2	-2	0	0	-1	0	-2	0	2	5							
Trp	W	-5	0	-7	-4	-2	-1	-1	1	-5	-3	-2	-2	-3	1	-3	-3	-5	20						
Tyr	Y	-4	0	-4	-1	-6	-1	-2	-3	0	-1	3	-1	-1	3	-2	-2	-1	5	9					
Val	V	1	-1	-2	-2	-2	-3	-3	-3	-3	4	1	-2	0	1	-4	-1	1	-3	1	5				
Asx	B	0	-2	4	5	-2	-1	0	0	-2	-2	-1	0	-2	-3	-2	0	0	-5	-3	-2	5			
Glx	Z	0	0	-1	0	0	4	5	-2	0	-3	-1	1	-1	-4	0	-1	-1	-1	-2	-3	0	4		
Unkown	X	0	-1	0	-1	-2	0	-1	-1	-1	0	0	0	0	-1	-1	0	0	-2	-1	0	-1	0	-1	
End	*	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	1
		Ala	Arg	Asn	Asp	Cys	Gln	Glu	Gly	His	Ile	Leu	Lys	Met	Phe	Pro	Ser	Thr	Trp	Tyr	Val	Asx	Glx	Unk	End
		A	R	N	D	C	Q	E	G	H	I	L	K	M	F	P	S	T	W	Y	V	B	Z	X	*

Aspartate or Asparagine  
 Glutamate or Glutamine  
 Unknown amino acid  
 Terminator