

1				1		IEb	T G C T C G C C C C C G T A C C A I E	C G - G A C G C C T C C G C C C G G G C T - G G A T C G G A G C G T C G G	
51	45	4	2			IIIAa	T G C T C G G C C T C C G T A C C A IIIA	C G - G T C G C C T G C G C T A T T A G C A + C G C T C G G A G C G T C G G	
3			3			IIIAb	C G C T C G G A C C C C G T A C C A IIIA	C G - G T C G C C T G C G C T A T T A G C A + C G C T C G G A G C G T C G G	
1	1					IIIAc	T G C T C G G C C T C C G T A C C A IIIA	C G - G T C G C C T G C G C T A T T A G C A + C G C T C G G A G C G T C G G	
1	1					IIIAd	T G C T C G G C C C C C G T A C C A IIIA	C G - G T C G C C T G C G C T A T T A G C A + C G C T C G G A G C G T C G G	
6				4	1	1	IIIAe	T G C T C G G C C C C C G T A C C A IIIA	C G - G T C G C C T G C G C T A C T A G C A + C G C T C G G A G C G T C G A
5				2	1	2	III Af	T G C T C G G C C C C C G T A C C A IIIA	C G - G T C G C C T G C G C T A C T A G C A + C G C T C G G A G C G T C G G
3				2		1	III Ag	T G C T C G G C C C C C G T A C C A IIIA	C G - G T C G C C T G C G C T A C G G G C A + C G C T C G G A G C G T C G G
1				1			III Ah	T G C T C G G C C C C C G T A C C A IIIA	C G - G T C G C C T G C G C C A C G G G C A + C G C T C G G A G C G T C G G
1					1		III Aj	T G C C C G G C T C C C G T A C C A IIIA	C G - G T C G C C T G C G C T A C T A G C A + C G C T C G G A G C G T C G G
1					1		III Ak	T G C T C G G C C C C C G T A C C A IIIA	C G - G T C G C C T G C G C T A C G G G C A + C G C T C G G A G T G C T G G
19	9	2	1	4	2	1	IIIBa	C G C T C G G C C C C C G T A C C A IIIB	C G - G T C G C C T C T G C C A C G G G C T - G A A T C G G A G C G T C G G
2	1	1					IIIBb	C G C T C G G C C C C C G T A C C A IIIB	C G - G T C G C C T C T G C C A C G G G C A + C G C T C G G A G C G T C G G
2	1			1			IIIBc	T G C T C G G C C C C C G T A C C A IIIB	C G - G T C G C C T C T G C C A C G G G C T - G A A T C G G A G C G T C G G
1					1		IIIBd	C G C T C G G C C C C C G A A C C A IIIB	C G - G T C G C C T C T G C C A C G G G C T - G G A T C G G A G C G T C G G
1					1		IIIBe	C G C T C G G C C C C C G T A C C A IIIB	C G - G T C G C C T C T G C C A C G G G C T - G G A T C G G A G C G T C G G
1					1		Fa	T G C T C G G C C C C C G T A T C A F	C G - G T C G T C C G C G C C A C G G G T A + G G C T C G G A G C G T C G G
3				2	1		Ga	T G C T C A G C C C C C G T G C C A G	C G - G T C G C C T G C G C C A C G G G T A + C G C T C G G A G C G T C G G
3				2	1		Ha	T G C T C G G C C C C T G T A C C A H	C G - G T C G C C T G C G C C A C G G G C A + C G C T C G G A G C G T C G G
2					2		Hb	T G C T C G G C C C C T G T A C C A H	C G - G T C G C C T G C G C C A C G G G C A + G G C T C G G A G C G T C G G
30				14	11		Ja	T G C T T G C C C C C C G T A C C A J	G G + G T C G C C T G C G C C A C G G G C T - G A A T C G G A G C G T C G G
2					2		Jb	T G C T C G G C T C C C G T A C C C J	G G - G T C G C C T G C G C C A C G G G C A + C G C T C G G A G C G T C G G
1				1			Jc	T G C T T G C C C C C C G T A C C A J	C G - G T C G C C T G C G C C A C G G G C A + C G C T C G G A G C G T C G G
1					1		Je	T G C T C G C C C C C C G T A C C A J	G G + G T C G C C T G C G C C A C G G G C T - G A A T C G G A G C G T C G G
37				18	12	7	Ka	T G C C C G G C T C C C G T A C C C K	G G - G T C G C C T G C G C C A C G G G C A + C G C T C G G A G C G T C G G
27				11	9	7	Kb	T G C T C G G C T C C C G T A C C C K	G G - G T C G C C T G C G C C A C G G G C A + C G C T C G G A G C G T C G G
2					2		Kc	T G T T C G G C T C C C G T A C C C K	G G - G T C G C C T G C G C C A C G G G C A + C G C T C G G A G C G T C G G
2				1	1		Kd	T G C T T G G C T C C C G T A C C C K	G G - G T C G C C T G C G C C A C G G G C A + C G C T C G G A G C G T C G G
2				1	1		Ke	T G C C C G G C T C C C G T A C C C K	G G - G T C G C C T G C G C C A C G G C C A + G G C C C G G A G T G C C G G
1				1			Kf	T G C T C G G C T C C C G T A C C C K	G G - G T C G C C T G C G C C A C G G G C A + G G C C C G G A G T G C T G G
1					1		Kg	T G C T T G C C C C C C G T A C C A K	G G + G T C G C C T G C G C C A C G G G C T - G A A T C G G A G C G T C G G
1					1		Kh	T G C C C G G C C C C C G T A C C C K	G G - G T C G C C T G C G C C A C G G G C A + C G C T C G G A G C G T C G G
22				13	7		La	T G C T C G G C C C C C G T A C C C L	G G - G T C G T C T G C G C C A C G G G C A + G G C C C G G A G T G C T G G
1					1		Lb	T G C T C G G A C C C C G T A C C A L	G G - G T C G T C T G C G C C A C G G G C A + G G C C C G G A G T G C T G G
9				5	1	3	Ma	C G C T C G C C C C C C G T A C C C M	C G + G T C G T C T G C G T C A C G G G C A + C G C T C G G A G C G T C G G
11				4	7		Na	T G C T C G G C C C C C G T G C T A N	C G - G T C A C C T G C G C C A C G G G C A + G G C C C G G A G T G C C G G
1					1		Nb	T G C T C G G C C C C C G T G C T A N	C G - G T C A C C T G C G C C A C G G G C A + C G C T C G G A G C G T C G G
4				4			Oa	C G C T C G G C C C C C G T A C C A O	C G - G T C G T C T G C G C C A C G G G C A + C G C T C G G A G C G T C G G
4					2	2	Pa	T G C T C G G C C C C C G T A C C C P	C G - G T C G C C T G C G C C A C G G G C A + G G C T C G G A G C G T C G G
2					2		Pb	C G C T C G G C C C C C G T A C C C P	C G - G T C G C C T G C G C C A C G G G C A + G G C T C G G A G C G T C G G
18				2	8	8	Qa	T G C T C G G C C C C C G T A C C A Q	C G - A T C G T C T G C G C C A C G G G C A + C G C T C G G G C C T C G G
1				1			Qb	C G C T C G G C C C C C G T A C C A Q	C G - A T C G T C T G C G C C A C G G G C A + C G C T C G G G C C T C G G
10				6	1	3	Sa	T G C T C G G C C C C C G T A C C A S	C G - G T C G C C T G C G C C A C T A G C A + C G C T C G G A G C G T C G G
1				1			Sb	T G C T C G G C C C C C G T A C C A S	C G - G T C G C C T G C G C T A C T A G C A + C G C T C G G A G C G T C G G
5					4	1	Ta	T G C T C G G C C C T C G T A C C C T	G G + G T C G C C T G C G C C A C G G G C A + G G C C C A G A A T G C T G G
3				1	2		Tb	T G C T C G G C C C T C G T A C C C T	G G + G T C G C C T G C G C C A C G G G C A + G G C C C G G A A T G C T G G
2					2		Ua	T G C T C G C C C C C C G T A C C A U	C A - G T C G C C T G C G C C A C G G G C A + G G C T C G G A G C G T C G G
4				1		3	Va	C G C T C G G C C C C C G T A C C A V	C G - G T C G C C T G C G C C A C G G G C A + C G C T C G G A G C G T C G G
3					2	1	Vb	T G C T C G G C T C C C G T A C C A V	C G - G T C G C C T G C G C C A C G G G C A + C G C T C G G A G C G T C G G

1	1		Vc	T G C T C G G C C C C G T A C C A V	C G - G T C G C C T G C G C C A C G G G C A + C G C T C G G A G C G T C G G	
34	12	16	6	Wa	T G C T C G C C C C C G T A C C C W	G G + G T C G T C T G C G C C A C G G G C A + G G C C C G G A G T G C T G G
10	7	2	1	Wb	T G C T C G C C C C C G T A C C C W	G G + G T C G T C T G C G C C A C G G G C A + C G C C C G G A G T G C T G G
1	1		Wc	T G C T C G G C C C C G T A C C C W	G G + G T C G T C T G C G C C A C G G G C A + C G C C C G G A G T G C T G G	
1			1	Wd	T G C T C G C C C C C G T A C C C W	G G + G T C G T C T G C G C C A C G G G C T - G A A T C G G A G C G T C G G
9	3	5	1	Xa	T G T T C G G C C C C G T A C C A X	C G - G T C G C C T C T G C C A C G G G C T - G G A T C G G A G C G T C G G
1			1	Xb	T G C T C G G C C C C G T A C C A X	C G - G T C G C C T C T G C C A C G G G C T - C G A T C G G A G C G T C G G
1			1	Xc	T G T T C G G C C C C G T A C C A X	C G - G T C G C C T C T G C C A C G G G C A + C G C T C G G A G C G T C G G
4			4	Ya	C G C T C G G C C C C G A A C C A Y	C G - G T C G C T T C T A C C A C G G G C T - G G A T C G G A G C G T C G G
2	1	1		Yb	C G C T C G G C C C C G A A C C A Y	C G - G T C G C C T C T G C C A C G G G C T - G G A T C G G A G C G T C G G
1			1	Za	C A C T C G C C C C C G T A C C A Z	G G + G T C G T C T G C G C C A C G G G C A + G G C C C G G A G T G C C G G

756 204 56 118 156 138 84 Total