

1396	ACT	CCT	CCT	CTG	GAT	CCA	CAG	GAA	CTG	GAT	ATT	CTG	AAA	ACC	GTA	1440
384	T	P	P	L	D	P	Q	E	L	D	I	L	K	T	V	398
1441	AAG	GAA	ATC	ACA	GGG	TTT	TTG	CTG	ATT	CAG	GCT	TGG	CCT	GAA	AAC	1485
399	K	E	I	T	G	F	L	L	I	Q	A	W	P	E	N	413
1486	AGG	ACG	GAC	CTC	CAT	GCC	TTT	GAG	AAC	CTA	GAA	ATC	ATA	CGC	GGC	1530
414	R	T	D	L	H	A	F	E	N	L	E	I	I	R	G	428
1531	AGG	ACC	AAG	CAA	CAT	GGT	CAG	TTT	TCT	CTT	GCA	GTC	GTC	AGC	CTG	1575
429	R	T	K	Q	H	G	Q	F	S	L	A	V	V	S	L	443
1576	AAC	ATA	ACA	TCC	TTG	GGA	TTA	CGC	TCC	CTC	AAG	GAG	ATA	AGT	GAT	1620
444	N	I	T	S	L	G	L	R	S	L	K	E	I	S	D	458
1621	GGA	GAT	GTG	ATA	ATT	TCA	GGA	AAC	AAA	AAT	TTG	TGC	TAT	GCA	AAT	1665
459	G	D	V	I	I	S	G	N	K	N	L	C	Y	A	N	473
1666	ACA	ATA	AAC	TGG	AAA	AAA	CTG	TTT	GGG	ACC	TCC	GGT	CAG	AAA	ACC	1710
474	T	I	N	W	K	K	L	F	G	T	S	G	Q	K	T	488
1711	AAA	ATT	ATA	AGC	AAC	AGA	GGT	GAA	AAC	AGC	TGC	AAG	GCC	ACA	GGC	1755
489	K	I	I	S	N	R	G	E	N	S	C	K	A	T	G	503
1756	CAG	GTC	TGC	CAT	GCC	TTG	TGC	TCC	CCC	GAG	GGC	TGC	TGG	GGC	CCG	1800
504	Q	V	C	H	A	L	C	S	P	E	G	C	W	G	P	518
1801	GAG	CCC	AGG	GAC	TGC	GTC	TCT	TGC	CGG	AAT	GTC	AGC	CGA	GGC	AGG	1845
519	E	P	R	D	C	V	S	C	R	N	V	S	R	G	R	533
1846	GAA	TGC	GTG	GAC	AAG	TGC	AAC	CTT	CTG	GAG	GGT	GAG	CCA	AGG	GAG	1890
534	E	C	V	D	K	C	N	L	L	E	G	E	P	R	E	548
1891	TTT	GTG	GAG	AAC	TCT	GAG	TGC	ATA	CAG	TGC	CAC	CCA	GAG	TGC	CTG	1935
549	F	V	E	N	S	E	C	I	Q	C	H	P	E	C	L	563
1936	CCT	CAG	GCC	ATG	AAC	ATC	ACC	TGC	ACA	GGA	CGG	GGA	CCA	GAC	AAC	1980
564	P	Q	A	M	N	I	T	C	T	G	R	G	P	D	N	578
1981	TGT	ATC	CAG	TGT	GCC	CAC	TAC	ATT	GAC	GGC	CCC	CAC	TGC	GTC	AAG	2025
579	C	I	Q	C	A	H	Y	I	D	G	P	H	C	V	K	593
2026	ACC	TGC	CCG	GCA	GGA	GTC	ATG	GGA	GAA	AAC	AAC	ACC	CTG	GTC	TGG	2070
594	T	C	P	A	G	V	M	G	E	N	N	T	L	V	W	608
2071	AAG	TAC	GCA	GAC	GCC	GGC	CAT	GTG	TGC	CAC	CTG	TGC	CAT	CCA	AAC	2115
609	K	Y	A	D	A	G	H	V	C	H	L	C	H	P	N	623
2116	TGC	ACC	TAC	GGA	TGC	ACT	GGG	CCA	GGT	CTT	GAA	GGC	TGT	CCA	ACG	2160
624	C	T	Y	G	C	T	G	P	G	L	E	G	T	C	P	638
2161	AAT	GGG	CCT	AAG	ATC	CCG	TCC	ATC	GCC	ACT	GGG	ATG	GTG	GGG	GCC	2205
639	N	G	P	K	I	P	S	I	A	T	G	M	V	G	A	653
2206	CTC	CTC	TTG	CTG	CTG	GTG	GTG	GCC	CTG	GGG	ATC	GGC	CTC	TTC	ATG	2250
654	L	L	L	L	L	V	V	A	L	G	I	G	L	F	M	668
2251	CGA	AGG	CGC	CAC	ATC	GTT	CGG	AAG	CGC	ACG	CTG	CGG	AGG	CTG	CTG	2295
669	R	R	R	H	I	V	R	K	R	T	L	R	R	L	L	683
2296	CAG	GAG	AGG	GAG	CTT	GTG	GAG	CCT	CTT	ACA	CCC	AGT	GGA	GAA	GCT	2340
684	Q	E	R	E	L	V	E	P	L	T	P	S	G	E	A	698
2341	CCC	AAC	CAA	GCT	CTC	TTG	AGG	ATC	TTG	AAG	GAA	ACT	GAA	TTC	AAA	2385
699	P	N	Q	A	L	L	R	I	L	K	E	T	E	F	K	713
2386	AAG	ATC	AAA	GTG	CTG	GGC	TCC	GGT	GCG	TTC	GGC	ACG	GTG	TAT	AAG	2430
714	K	I	K	V	L	G	S	G	A	F	G	T	V	Y	K	728
2431	GGA	CTC	TGG	ATC	CCA	GAA	GGT	GAG	AAA	GTT	AAA	ATT	CCC	GTC	GCT	2475
729	G	L	W	I	P	E	G	E	K	V	K	I	P	V	A	743
2476	ATC	AAG	GAA	TTA	AGA	GAA	GCA	ACA	TCT	CCG	AAA	GCC	AAC	AAG	GAA	2520
744	I	K	E	L	R	E	A	T	S	P	K	A	N	K	E	758
2521	ATC	CTC	GAT	GAA	GCC	TAC	GTG	ATG	GCC	AGC	GTG	GAC	AAC	CCC	CAC	2565
759	I	L	D	E	A	Y	V	M	A	S	V	D	N	P	H	773
2566	GTG	TGC	CGC	CTG	CTG	GGC	ATC	TGC	CTC	ACC	TCC	ACC	GTG	CAG	CTC	2610
774	V	C	R	L	L	G	I	C	L	T	S	T	V	Q	L	788
2611	ATC	ACG	CAG	CTC	ATG	CCC	TTC	GGC	TGC	CTC	CTG	GAC	TAT	GTC	CGG	2655
789	I	T	Q	L	M	P	F	G	C	L	L	D	Y	V	R	803
2656	GAA	CAC	AAA	GAC	AAT	ATT	GGC	TCC	CAG	TAC	CTG	CTC	AAC	TGG	TGT	2700
804	E	H	K	D	N	I	G	S	Q	Y	L	L	N	W	C	818
2701	GTG	CAG	ATC	GCA	AAG	GGC	ATG	AAC	TAC	TTG	GAG	GAC	CGT	CGC	TTG	2745
819	V	Q	I	A	K	G	M	N	Y	L	E	D	R	R	L	833

2746	GTG	CAC	CGC	GAC	CTG	GCA	GCC	AGG	AAC	GTA	CTG	GTG	AAA	ACA	CCG	2790
834	V	H	R	D	L	A	A	R	N	V	L	V	K	T	P	848
2791	CAG	CAT	GTC	AAG	ATC	ACA	GAT	TTT	GGG	CTG	GCC	AAA	CTG	CTG	GGT	2835
849	Q	H	V	K	I	T	D	F	G	L	A	K	L	L	G	863
2836	GCG	GAA	GAG	AAA	GAA	TAC	CAT	GCA	GAA	GGA	GGC	AAA	GTG	CCT	ATC	2880
864	A	E	E	K	E	Y	H	A	E	G	G	K	V	P	I	878
2881	AAG	TGG	ATG	GCA	TTG	GAA	TCA	ATT	TTA	CAC	AGA	ATC	TAT	ACC	CAC	2925
879	K	W	M	A	L	E	S	I	L	H	R	I	Y	T	H	893
2926	CAG	AGT	GAT	GTC	TGG	AGC	TAC	GGG	GTG	ACC	GTT	TGG	GAG	TTG	ATG	2970
894	Q	S	D	V	W	S	Y	G	V	T	V	W	E	L	M	908
2971	ACC	TTT	GGA	TCC	AAG	CCA	TAT	GAC	GGA	ATC	CCT	GCC	AGC	GAG	ATC	3015
909	T	F	G	S	K	P	Y	D	G	I	P	A	S	E	I	923
3016	TCC	TCC	ATC	CTG	GAG	AAA	GGA	GAA	CGC	CTC	CCT	CAG	CCA	CCC	ATA	3060
924	S	S	I	L	E	K	G	E	R	L	P	Q	P	P	I	938
3061	TGT	ACC	ATC	GAT	GTC	TAC	ATG	ATC	ATG	GTC	AAG	TGC	TGG	ATG	ATA	3105
939	C	T	I	D	V	Y	M	I	M	V	K	C	W	M	I	953
3106	GAC	GCA	GAT	AGT	CGC	CCA	AAG	TTC	CGT	GAG	TTG	ATC	ATC	GAA	TTC	3150
954	D	A	D	S	R	P	K	F	R	E	L	I	I	E	F	968
3151	TCC	AAA	ATG	GCC	CGA	GAC	CCC	CAG	CGC	TAC	CTT	GTC	ATT	CAG	GGG	3195
969	S	K	M	A	R	D	P	Q	R	Y	L	V	I	Q	G	983
3196	GAT	GAA	AGA	ATG	CAT	TTG	CCA	AGT	CCT	ACA	GAC	TCC	AAC	TTC	TAC	3240
984	D	E	R	M	H	L	P	S	P	T	D	S	N	F	Y	998
3241	CGT	GCC	CTG	ATG	GAT	GAA	GAA	GAC	ATG	GAC	GAC	GTG	GTG	GAT	GCC	3285
999	R	A	L	M	D	E	E	D	M	D	D	V	V	D	A	1013
3286	GAC	GAG	TAC	CTC	ATC	CCA	CAG	CAG	GGC	TTC	TTC	AGC	AGC	CCC	TCC	3330
1014	D	E	Y	L	I	P	Q	Q	G	F	F	S	S	P	S	1028
3331	ACG	TCA	CGG	ACT	CCC	CTC	CTG	AGC	TCT	CTG	AGT	GCA	ACC	AGC	AAC	3375
1029	T	S	R	T	P	L	S	L	S	L	S	A	T	S	N	1043
3376	AAT	TCC	ACC	GTG	GCT	TGC	ATT	GAT	AGA	AAT	GGG	CTG	CAA	AGC	TGT	3420
1044	N	S	T	V	A	C	I	D	R	N	G	L	Q	S	C	1058
3421	CCC	ATC	AAG	GAA	GAC	AGC	TTC	TTG	CAG	CGA	TAC	AGC	TCA	GAC	CCC	3465
1059	P	I	K	E	D	S	F	L	Q	R	Y	S	S	D	P	1073
3466	ACA	GGC	GCC	TTG	ACT	GAG	GAC	AGC	ATA	GAC	GAC	ACC	TTC	CTC	CCA	3510
1074	T	G	A	L	T	E	D	S	I	D	D	T	F	L	P	1088
3511	GTG	CCT	GAA	TAC	ATA	AAC	CAG	TCC	GTT	CCC	AAA	AGG	CCC	GCT	GGC	3555
1089	V	P	E	Y	I	N	Q	S	V	P	K	R	P	A	G	1103
3556	TCT	GTG	CAG	AAT	CCT	GTC	TAT	CAC	AAT	CAG	CCT	CTG	AAC	CCC	CGC	3600
1104	S	V	Q	N	P	V	Y	H	N	Q	P	L	N	P	A	1118
3601	CCC	AGC	AGA	GAC	CCA	CAC	TAC	CAG	GAC	CCC	CAC	AGC	ACT	GCA	GTG	3645
1119	P	S	R	D	P	H	Y	Q	D	P	H	S	T	A	V	1133
3646	GGC	AAC	CCC	GAG	TAT	CTC	AAC	ACT	GTC	CAG	CCC	ACC	TGT	GTC	AAC	3690
1134	G	N	P	E	Y	L	N	T	V	Q	P	T	C	V	N	1148
3691	AGC	ACA	TTC	GAC	AGC	CCT	GCC	CAC	TGG	GCC	CAG	AAA	GGC	AGC	CAC	3735
1149	S	T	F	D	S	P	A	H	W	A	Q	K	G	S	H	1163
3736	CAA	ATT	AGC	CTG	GAC	AAC	CCT	GAC	TAC	CAG	CAG	GAC	TTC	TTT	CCC	3780
1164	Q	I	S	L	D	N	P	D	Y	Q	Q	D	F	F	P	1178
3781	AAG	GAA	GCC	AAG	CCA	AAT	GGC	ATC	TTT	AAG	GGC	TCC	ACA	GCT	GAA	3825
1179	K	E	A	K	P	N	G	I	F	K	G	S	T	A	E	1193
3826	AAT	GCA	GAA	TAC	CTA	AGG	GTC	GCG	CCA	CAA	AGC	AGT	GAA	TTT	ATT	3870
1194	N	A	E	Y	L	R	V	A	P	Q	S	S	E	F	I	1208
3871	GGA	GCA	TGA	CCA	CGG	AGG	ATA	GTA	TGA	GCC	CTA	AAA	ATC	CAG	ACT	3915
1209	G	A	*													
3916	CTT	TCG	ATA	CCC	AGG	ACC	AAG	CCA	CAG	CAG	GTC	CTC	CAT	CCC	AAC	3960
3961	AGC	CAT	GCC	CGC	ATT	AGC	TCT	TAG	ACC	CAC	AGA	CTG	GTT	TTG	CAA	4005
4006	CGT	TTA	CAC	CGA	CTA	GCC	AGG	AAG	TAC	TTC	CAC	CTC	GGG	CAC	ATT	4050
4051	TTG	GGA	AGT	TGC	ATT	CCT	TTG	TCT	TCA	AAC	TGT	GAA	GCA	TTT	ACA	4095
4096	GAA	ACG	CAT	CCA	GCA	AGA	ATA	TTG	TCC	CTT	TGA	GCA	GAA	ATT	TAT	4140
4141	CTT	TCA	AAG	AGG	TAT	ATT	TGA	AAA	AAA	AAA	AAA	GTA	TAT	GTG	AGG	4185

4186 ATT TTT ATT GAT TGG GGA TCT TGG AGT TTT TCA TTG TCG CTA TTG 4230
4231 ATT TTT ACT TCA ATG GGC TCT TCC AAC AAG GAA GAA GCT TGC TGG 4275
4276 TAG CAC TTG CTA CCC TGA GTT CAT CCA GGC CCA ACT GTG AGC AAG 4320
4321 GAG CAC AAG CCA CAA GTC TTC CAG AGG ATG CTT GAT TCC AGT GGT 4365
4366 TCT GCT TCA AGG CTT CCA CTG CAA AAC ACT AAA GAT CCA AGA AGG 4410
4411 CCT TCA TGG CCC CAG CAG GCC GGA TCG GTA CTG TAT CAA GTC ATG 4455
4456 GCA GGT ACA GTA GGA TAA GCC ACT CTG TCC CTT CCT GGG CAA AGA 4500
4501 AGA AAC GGA GGG GAT GGA ATT CTT CCT TAG ACT TAC TTT TGT AAA 4545
4546 AAT GTC CCC ACG GTA CTT ACT CCC CAC TGA TGG ACC AGT GGT TTC 4590
4591 CAG TCA TGA GCG TTA GAC TGA CTT GTT TGT CTT CCA TTC CAT TGT 4635
4636 TTT GAA ACT CAG TAT GCT GCC CCT GTC TTG CTG TCA TGA AAT CAG 4680
4681 CAA GAG AGG ATG ACA CAT CAA ATA ATA ACT CGG ATT CCA GCC CAC 4725
4726 ATT GGA TTC ATC AGC ATT TGG ACC AAT AGC CCA CAG CTG AGA ATG 4770
4771 TGG AAT ACC TAA GGA TAG CAC CGC TTT TGT TCT CGC AAA AAC GTA 4815
4816 TCT CCT AAT TTG AGG CTC AGA TGA AAT GCA TCA GGT CCT TTG GGG 4860
4861 CAT AGA TCA GAA GAC TAC AAA AAT GAA GCT GCT CTG AAA TCT CCT 4905
4906 TTA GCC ATC ACC CCA ACC CCC CAA AAT TAG TTT GTG TTA CTT ATG 4950
4951 GAA GAT AGT TTT CTC CTT TTA CTT CAC TTC AAA AGC TTT TTA CTC 4995
4996 AAA GAG TAT ATG TTC CCT CCA GGT CAG CTG CCC CCA AAC CCC CTC 5040
5041 CTT ACG CTT TGT CAC ACA AAA AGT GTC TCT GCC TTG AGT CAT CTA 5085
5086 TTC AAG CAC TTA CAG CTC TGG CCA CAA CAG GGC ATT TTA CAG GTG 5130
5131 CGA ATG ACA GTA GCA TTA TGA GTA GTG TGG AAT TCA GGT AGT AAA 5175
5176 TAT GAA ACT AGG GTT TGA AAT TGA TAA TGC TTT CAC AAC ATT TGC 5220
5221 AGA TGT TTT AGA AGG AAA AAA GTT CCT TCC TAA AAT AAT TTC TCT 5265
5266 ACA ATT GGA AGA TTG GAA GAT TCA GCT AGT TAG GAG CCC ACC TTT 5310
5311 TTT CCT AAT CTG TGT GTG CCC TGT AAC CTG ACT GGT TAA CAG CAG 5355
5356 TCC TTT GTA AAC AGT GTT TTA AAC TCT CCT AGT CAA TAT CCA CCC 5400
5401 CAT CCA ATT TAT CAA GGA AGA AAT GGT TCA GAA AAT ATT TTC AGC 5445
5446 CTA CAG TTA TGT TCA GTC ACA CAC ACA TAC AAA ATG TTC CTT TTG 5490
5491 CTT TTA AAG TAA TTT TTG ACT CCC AGA TCA GTC AGA GCC CCT ACA 5535
5536 GCA TTG TTA AGA AAG TAT TTG ATT TTT GTC TCA ATG AAA ATA AAA 5580
5581 CTA TAT TCA TTT CCA CTC TAA AAA AAA AAA AAA AAA 5616