



[See the formatted output below](#)

TEMPLATE DNA

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CCGAGCCCTCGCCCGCAGGGTTGGCGCGCGTGCCTGTGGGATACTCGGTCCGCCAC
CTAGTCTCTCTGTCAGTGCTGCGTTCGCGAGATCCGTATTTCTCCAAGATGGTGGCGC
TCCTCTTTGGGTGACTCCAGGAGACGACAGGGCCTTTCTGCTTTGCCAGCACCTCGTCGC
CCCTCTGCGCTCGCTCTCTCGCTCGCGCACCGGGCCACGCAGCTGTTACCGCCTCGTT
ACGCTTCTCTTCCGTCGACCTGTGCTGACGGTGGCGCCTCCTTCTGCTTCTCTCGGAG
```

LENGTH: 3512

TRANSLATION FROM: 1

CODON VIEW

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ATA CTC GGT CCG CCC ACC TAG TCC TCT CGT CCA GTG CTG CGT TCG
CGA GAT CCG TAT TTC TCC CAA GAT GGT GGC GCT CCT CTT TGG GTG
ACT CCA GGA GAC GAC AGG GCC TTT CGT CTT TGC CAG CAC CTC GTC
GCC CCT CCT GCG CTC GCT CTC TCG CTC GCG CAC CGG GCC ACG CAG
CTG TTC ACC GCC TCG TTA CGC TTC TCT TCC GTC GAC CTG TCG CTG
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TRANSLATED PROTEIN SEQUENCE

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ILGPPT*SSRPVLRSDPYFSQDGGAPLWVTPGDDRAFRLCQHLVAPPALALSLAHRATQ
LFTASLRFSSVDLSLTVAPPSASLRSCPPSPPTVDRSRQRFSAQAPGLSASVS
*GEARVPHETRRWRQKGTTRRWAAVDEGDKDQ*GGRSCEGRSPRAGARTDHQENPSLR
TLKLAE*SQIFQLLFFCVEEKPIYLFFFETSFSLSLSVLELAL*TRLTSNSDILLFL
LSECEIKGVVPP*PASNS*EKKFFTLII*EMKQ*DTTSYLLEYMNVHVGEVSKQKSC
```

FORMATTED OUTPUT:

```
1 - CCG AGC CCT CGC CCG GCA GGG TTG GCG CGC GCT GCC TGT CGG GAT ACT CGG TCC GCC CAC - 60
1 - I L G P P T - 6

61 - CTA GTC CTC TCG TCC AGT GCT GCG TTC GCG AGA TCC GTA TTT CTC CCA AGA TGG TGG CGC - 120
7 - * S S R P V L R S R D P Y F S Q D G G A - 26

121 - TCC TCT TTG GGT GAC TCC AGG AGA CGA CAG GGC CTT TCG TCT TTG CCA GCA CCT CGT CGC - 180
27 - P L W V T P G D D R A F R L C Q H L V A - 46

181 - CCC TCC TGC GCT CGC TCT CTC GCT CGC GCA CCG GGC CAC GCA GCT GTT CAC CGC CTC GTT - 240
47 - P P A L A L S L A H R A T Q L F T A S L - 66

241 - ACG CTT CTC TTC CGT CGA CCT GTC GCT GAC GGT GGC GCC TCC TTC TGC TTC TCT TCG GAG - 300
67 - R F S S V D L S L T V A P P S A S L R S - 86

301 - TTG CTC GCC GCC CTC GCC CCC CAC TGT GGA CAG ATC GCG ACA GCA GCG CTT CAG CGC CGA - 360
87 - C S P P S P P T V D R S R Q Q R F S A D - 106

361 - CTT CAA GGT TGC CCA GGC GCC TGG CCT CTC GGC CTC GGT TTC CTG AGG AGA AGC GCG GGT - 420
107 - F K V A Q A P G L S A S V S * G E A R V - 126

421 - CCC GCA TGA GAC CCG GCG GTG GCG CCA GCG AAA GGG AAC GAG GCG GTG GCG GGC GGC GGC - 480
127 - P H E T R R W R Q R K G T R R W R A A A - 146

481 - GGT GGA CGA GGG CGA CAA GGA CCA GTG AGG CGG CCG CAG CTG CGA GGG CCG CAG CCC ACG - 540
147 - V D E G D K D Q * G G R S C E G R S P R - 166

541 - CGC GGG GGC GAG GAC AGA TCA CCA GGA GAA TCC CAG TCT GAG GAC ATT GAA GCT AGC CGA - 600
167 - A G A R T D H Q E N P S L R T L K L A E - 186

601 - ATA ATC TCA AAT ATT TCA ATT CTT GCT CTT TTT CTG TGT TGA GGA AAA ACC TAT TTA TTT - 660
187 - * S Q I F Q F L L F F C V E E K P I Y L - 206

661 - ATT TTT GTT TTT TGA GAC AAG TTT TTC TCT GTG TAG CCT GAG TGT CCT GGA ACT TGC TCT - 720
207 - F L F F E T S F S L C S L S V L E L A L - 226
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721 - GTA GAC AAG GCT GAC TTC AAA CTC AGA TAT TCT CCT GTT TCT GCT TTC TGA GTG TGA GAT - 780
227 - *   T   R   L   T   S   N   S   D   I   L   L   F   L   L   S   E   C   E   I   - 246

781 - TAA AGG TGT TGT ACC ACC ATG ACC AGC ATC AAA TTC ATG AGA AAA AAA ATT CTT TAC CTT - 840
247 - K   G   V   V   P   P   *   P   A   S   N   S   *   E   K   K   F   F   T   F   - 266

841 - TCT AAT CAT CTA AGA AAT GAA ACA ACA GTG AGA TAC TAC TTC CTA CCT GCT AGA ATA TAT - 900
267 - L   I   I   *   E   M   K   Q   Q   *   D   T   T   S   Y   L   L   E   Y   M   - 286

901 - GAA TGT TCA TGT TGG TGA GGT TGT AAG CAA ACA GAA ATC TTG TAC ACA GTT GTT TGG AAT - 960
287 - N   V   H   V   G   E   V   V   S   K   Q   K   S   C   T   Q   L   F   G   M   - 306

961 - GTA AAT TAG ATC GAT TAT GGA AAA TAA CAG GTT CCT AAA AAT TGC AAT GAC CTA GCA ATT - 1020
307 - *   I   R   S   I   M   E   N   N   R   F   L   K   I   A   M   T   *   Q   L   - 326

1021 - GTA TTA TAG AAA TAT ATA GTG TGT TAT AAG AGA TAC CTG CAG TTT AAT TTT GAT TGC AGC - 1080
327 - Y   Y   R   N   I   *   C   V   I   R   D   T   C   S   L   I   L   I   A   A   - 346

1081 - ATT AAT TAA ACA AAA TGC AGA AAT AAA CCA GTG TTT GTC AGT GGC TAA ACA AAT AAA AAT - 1140
347 - L   I   K   Q   N   A   E   I   N   Q   C   L   S   V   A   K   Q   I   K   I   - 366

1141 - TGA CAT ATA TGA TGA TGT AAT TTT TCG CCA TTA AAA TTT TTT TCT GAA ATC TTA TGT CGG - 1200
367 - D   I   Y   D   D   V   I   F   R   H   *   N   F   F   L   K   S   Y   V   G   - 386

1201 - TGA CAA CAT GGA TGG AAA TGA TCC TTT ATA TTT TCA ATG AAA TAA ATC AGC ACA AAA ACA - 1260
387 - D   N   M   D   G   N   D   P   L   Y   F   Q   *   N   K   S   A   Q   K   Q   - 406

1261 - GGT AGT GCA TCA TCT TCC TGT ACA TAG ACT GTA AAA ACA TTC TAA AAA TTG TTT GTT ACT - 1320
407 - V   V   H   H   L   P   V   H   R   L   *   K   H   S   K   N   C   L   L   L   - 426

1321 - TAG AGT AGA ATA AAT GAT AGA CAT AAA AAA TGC AAA ATG AAT AGA ATG TAG TTC AGG ACC - 1380
427 - R   V   E   *   M   I   D   I   K   N   A   K   *   I   E   C   S   S   G   P   - 446

1381 - AAA ATT GTA GAG CAT GGT GAC TTC TTT CTG TAT ATT TTC TTG AAT ATC ACT AAA AGT CAA - 1440
447 - K   L   *   S   M   V   T   S   F   C   I   F   S   *   I   S   L   K   V   N   - 466

1441 - CTA TTA AGT ATA TGT GCA AAA GTG CTA TGT TAG AAT TTA TAA ACT CAT TTG ATG TAT CAC - 1500
467 - Y   *   V   Y   V   Q   K   C   Y   V   R   I   Y   K   L   I   *   C   I   T   - 486

1501 - TTT TGC ATA TGA TAA TAT ATG TAG TTC TTA TTT GTC AAT GAA AAT AAA AAC TTT GGA AAA - 1560
487 - F   A   Y   D   N   I   C   S   S   Y   L   S   M   K   I   K   T   L   E   K   - 506

1561 - ACA GCC GTG TCT TCA TAT ATT AAA ATT ATT ATT GCA TGA GTG AGT GTT TTT AAC AGA CGA - 1620
507 - Q   P   C   L   H   I   L   K   L   L   L   H   E   *   V   F   L   T   D   E   - 526

1621 - ATA ACA TTT TAA TAA TCC TAC ATA TGG TGT TTA TTA TGC TTA AGA TAA AGG AGT TAT GGT - 1680
527 - *   H   F   N   N   P   T   Y   G   V   Y   Y   A   *   D   K   G   V   M   V   - 546

1681 - TGG AAA TAA AGA GAT TGT AAA GTT CTC TTA TTA AGA AAT ACA AAT AAT TTT GGA GAC TCT - 1740
547 - G   N   K   E   I   V   K   F   S   Y   *   E   I   Q   I   I   L   E   T   L   - 566

1741 - TAA TAC TGG GAT ATA ACA TGC ACA TTG ACA TTG ATG TCC TTT AGC CCA TGA GTT TAA TAG - 1800
567 - N   T   G   I   *   H   A   H   *   H   *   C   P   L   A   H   E   F   N   R   - 586

1801 - AAG AAG AAA GAA AAC CAG AAG ATA TCT AGG TGG ATT ATA TGA AAA TTT CAT ATT ATG AAT - 1860
587 - R   R   K   K   T   R   R   Y   L   G   G   L   Y   E   N   F   I   L   *   I   - 606

1861 - TTG TGC ATA TAG AAG TAT TAA GAA TTT TGA TAT TTG GCT GGG TAT GTT TGC TTG CTC CAC - 1920
607 - C   A   Y   R   S   I   K   N   F   D   I   W   L   G   M   F   A   C   S   T   - 626

1921 - TTC TGT ACT CCC GGT ACT TGG GAG CTT ATT CAG GGA CAG CTT CGC CTA TAC AGT AAG GCA - 1980
627 - S   V   L   P   V   L   G   S   L   F   R   D   S   F   A   Y   T   V   R   Q   - 646

1981 - AGT CAA AGT TAC ATG AGA TCA TGG CTT TAA ACA AAC AAA CAA ACA AAC AAA CAA ACA CAA - 2040

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647	-	V	K	V	T	*	D	H	G	F	K	Q	T	N	K	Q	T	N	K	H	K	-	666
2041	-	AAA	GCA	GCT	AAA	AGC	AGG	GCC	TAA	AGA	GTT	GGC	TCA	GTG	TCC	TGC	TTT	CCA	ACT	ATG	TGG	-	2100
667	-	K	Q	L	K	A	G	P	K	E	L	A	Q	C	P	A	F	Q	L	C	G	-	686
2101	-	ACT	AGA	ATT	TCA	GAA	CCT	ATG	TAA	AAA	GTG	AGG	CAA	GGC	CTT	TCA	TCC	CAG	CCT	TGG	TGG	-	2160
687	-	L	E	F	Q	N	L	C	K	K	*	G	K	A	F	H	P	S	L	G	G	-	706
2161	-	AGG	GGC	AGA	AAT	GGA	ATG	GTG	GTT	GAA	ATG	TGT	TCA	TTC	AGT	CTA	GAT	AAT	TCA	GCA	AGT	-	2220
707	-	G	A	E	M	E	W	W	L	K	C	V	H	S	V	*	I	I	Q	Q	V	-	726
2221	-	GTC	AGG	TTT	AGG	GAG	AGA	CCA	CGT	CTT	AAA	AAA	TTG	TGT	GAG	GAG	CAT	TAG	AAA	ATT	ATG	-	2280
727	-	S	G	L	G	R	D	H	V	L	K	N	C	V	R	S	I	R	K	L	*	-	746
2281	-	ACC	GCC	TTT	GCT	TTC	TGG	TCT	CCA	AAT	GCA	CAT	GCA	TGG	GCA	TGC	ATG	CCT	CCA	TGT	TTG	-	2340
747	-	P	P	L	L	S	G	L	Q	M	H	M	H	G	H	A	C	L	H	V	C	-	766
2341	-	TGT	GCA	CAA	CAC	ATG	TAT	ACA	CCA	CCC	CCC	AAA	AAA	GCC	AGA	AAT	CAA	TTC	ATC	CAA	AAT	-	2400
767	-	V	H	N	T	C	I	H	H	P	P	K	K	P	E	I	N	S	S	K	I	-	786
2401	-	AGA	ACT	GTT	ATT	TGT	ATG	CTA	TCA	ATC	CCT	TGA	AAT	CTG	ATA	GAC	ATT	TGC	ATC	TTA	TTT	-	2460
787	-	E	L	L	F	V	C	Y	Q	S	L	E	I	*	*	T	F	A	S	Y	L	-	806
2461	-	AGT	AGG	ACT	TTA	TTT	TAA	ACC	AAA	TTC	TAG	AAA	GCA	TCC	TTA	GTT	TCT	CTT	TGT	GTC	ACA	-	2520
807	-	V	G	L	Y	F	K	P	N	S	R	K	H	P	*	F	L	F	V	S	H	-	826
2521	-	TAT	TGG	AAC	TGT	TTG	CAA	GTT	ATG	TTG	CAT	TTA	TCT	TCA	GAA	TAC	ATT	TCA	GCT	TCT	TTA	-	2580
827	-	I	G	T	V	C	K	L	C	C	I	Y	L	Q	N	T	F	Q	L	L	*	-	846
2581	-	AAA	AGC	ATT	TGT	AGT	ACC	ATT	GCC	ATC	TTT	TGA	TAA	GGG	ACA	TCA	TTG	TTT	CTC	AGT	ACT	-	2640
847	-	K	A	F	V	V	P	L	P	S	F	D	K	G	H	H	C	F	S	V	L	-	866
2641	-	TTT	GTT	CCT	ACC	TCT	ATT	TAC	TAC	CAA	CAA	TTC	AAT	GGG	CTT	TTC	TGA	TTA	AAA	AAA	AGT	-	2700
867	-	L	F	L	P	L	F	T	T	N	N	S	M	G	F	S	D	*	K	K	V	-	886
2701	-	TAA	GCC	ATC	TTT	TCT	ATA	CTC	AAC	TTT	TCA	AAG	GTT	TCC	TAT	TTT	TTA	AAC	TAT	GGT	TAG	-	2760
887	-	K	P	S	F	L	Y	S	T	F	Q	R	F	P	I	S	*	T	M	V	R	-	906
2761	-	AAA	TTG	ATA	CAG	CCC	TGA	ACT	GGC	TCT	TTC	ATT	TAT	GTG	ACA	TCC	TGT	ACT	AGC	ATT	ATG	-	2820
907	-	N	*	Y	S	P	E	L	A	L	S	F	M	*	H	P	V	L	A	L	C	-	926
2821	-	TTC	TTA	ACC	TGC	AAC	TTT	TGA	GGT	TTT	AGT	TCT	GGA	ACT	TAC	TGA	CTG	TTC	CCT	CTT	GAG	-	2880
927	-	S	*	P	A	T	F	E	V	L	V	L	E	L	T	D	C	S	L	L	S	-	946
2881	-	TTA	ATC	TAC	GTG	TTT	TTC	TTT	TTT	ACT	TGT	TTC	AGA	ATT	CTT	AGA	TAA	TGC	CTG	TCA	TAG	-	2940
947	-	*	S	T	C	F	S	F	L	L	V	S	E	F	L	D	N	A	C	H	R	-	966
2941	-	GTA	TCT	TTT	CTG	AGT	ATC	TCT	ATC	AAA	ATA	TGA	TTG	TGT	CCC	ATC	TTC	TCA	ATT	CTT	ACT	-	3000
967	-	Y	L	F	*	V	S	L	S	K	Y	D	C	V	P	S	S	Q	F	L	L	-	986
3001	-	ATT	TTC	CTT	TCT	GAG	ATT	TAG	TAT	CAC	TTC	ATT	TCT	TTT	AAG	GTC	TCA	GTA	GAA	TGG	GAA	-	3060
987	-	F	S	F	L	R	F	S	I	T	S	F	L	L	R	S	Q	*	N	G	N	-	1006
3061	-	CCT	AAT	GTT	CTG	TTT	ATA	TTT	AAC	AGT	CTA	ACA	AAA	AGA	AAC	TTA	GGG	GAG	TAA	AGG	GTT	-	3120
1007	-	L	M	F	C	L	Y	L	T	V	*	Q	K	E	T	*	G	S	K	G	F	-	1026
3121	-	TAT	TTC	AGC	TTA	CAT	GTT	ATA	GGC	CAT	CGT	TCA	AAG	TAG	TCA	GGG	CAG	GAA	CTT	TAT	ACT	-	3180
1027	-	I	S	A	Y	M	L	*	A	I	V	Q	S	S	Q	G	R	N	F	I	L	-	1046
3181	-	GTT	GCT	GAC	TCA	ATT	TTC	AGA	CCT	AAG	CAT	TGC	TAA	CAC	CAC	TTA	CTT	ACA	GTC	CAA	AAC	-	3240
1047	-	L	L	T	Q	F	S	D	L	S	I	A	N	T	T	Y	L	Q	S	K	T	-	1066
3241	-	CAC	CTG	CCT	AGG	GAA	TGC	TAT	TAT	CCA	CAG	TAC	ACT	GGT	CCC	TCT	TAC	ATC	AAT	CAA	GAC	-	3300
1067	-	T	C	L	G	N	A	I	I	H	S	T	L	V	P	L	T	S	I	K	T	-	1086

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3301 - CTT CCC CTT TCC CCC AGT CAC ACC CAT GGG CCA GTT TAA TCT AGG TAG TCC CTC AAT TGA - 3360
1087 - F P F P P V T P M G Q F N L G S P S I E - 1106

3361 - GAG TCC CTT AGG TCA CAC TAC ACA TTA GAC TAT CAA ATT CAC AAC TAA AGC TAC CTT GAA - 3420
1107 - S P L G H T T H * T I K F T T K A T L N - 1126

3421 - TAC GTA GCA AAA TAT ATA AGG AAT AGT TAG TTA ATG AGT TAA TGC TTG CTT ACT AAG TGT - 3480
1127 - T * Q N I * G I V S * * V N A C L L S V - 1146

3481 - TAG TGA AAA ATC ATT AAA TGT ATG AAA AAT AT - 3512
1147 - S E K S L N V * K I X - 1166
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