



[See the formatted output below](#)

TEMPLATE DNA

```
MSTRGGMSTRGCCGAGCCCTCGCCCGCAGGGTTGGCGCGCTGCCTGTCGGGATACT
CGGTCCGCCACCTAGTCCTCTCGTCCAGTGTGCGTTCGCGAGATCCGTATTTCTCCA
AGATGGTGGCGCTCCTCTTTGGGTGACTCCAGGAGACGACAGGGCCTTTCGTCTTTGCCA
GCACCTCGTCGCCCTCCTGCGCTCGTCTCTCGCTCGCGCACCGGGCCACGCAGCTGTT
CACCGCCTCGTTACGCTTCTCTCCGTCGACCTGTGCTGACGGTGGCGCCTCCTTCTGC
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LENGTH: 3524

TRANSLATION FROM: ATG

CODON VIEW

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ATG GTG GCG CTC CTC TTT GGG TGA CTC CAG GAG ACG ACA GGG CCT
TTC GTC TTT GCC AGC ACC TCG TCG CCC CTC CTG CGC TCG CTC TCT
CGC TCG CGC ACC GGG CCA CGC AGC TGT TCA CCG CCT CGT TAC GCT
TCT CTT CCG TCG ACC TGT CGC TGA CGG TGG CGC CTC CTT CTG CTT
CTC TTC GGA GTT GCT CGC CGC CCT CGC CCC CCA CTG TGG ACA GAT
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TRANSLATED PROTEIN SEQUENCE

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MVALLFG*LQETTGPFVFASTSSPLLRLSLRSRTGPRSCSPPRYASLPSTCR*RWRLLLL
LFGVARRPRPLWTD RDSSASAPTSRLPRRLASRPRFP E E K R G S R M P G G G A S E R E R G G G
G R R R W T R A T R T S E A A A A A A A H A R G R G Q I T R I P V * G H * S * P N N L K Y F N S C S F S V L R K N
L F I Y F C F L R Q V F L C V A * V S W N L L C R Q G * L Q T Q I F S C F C F L S V R L K V L Y H H D Q H Q I H E K K N
S L P F * S S K K * N N S E I L L P T C * N I * M F M L V R L * A N R N L V H S C L E C K L D R L W K I T G S * K L Q *
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FORMATTED OUTPUT:

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1 - MST RGG NMS TRG CCG AGC CCT CGC CCG GCA GGG TTG GCG CGC GCT GCC TGT CGG GAT ACT - 60
-
61 - CGG TCC GCC CAC CTA GTC CTC TCG TCC AGT GCT GCG TTC GCG AGA TCC GTA TTT CTC CCA - 120
-
121 - AGA TGG TGG CGC TCC TCT TTG GGT GAC TCC AGG AGA CGA CAG GGC CTT TCG TCT TTG CCA - 180
1 - M V A L L F G * L Q E T T G P F V F A S - 20

181 - GCA CCT CGT CGC CCC TCC TGC GCT CGC TCT CTC GCT CGC GCA CCG GGC CAC GCA GCT GTT - 240
21 - T S S P L L R S L S R S R T G P R S C S - 40

241 - CAC CGC CTC GTT ACG CTT CTC TTC CGT CGA CCT GTC GCT GAC GGT GGC GCC TCC TTC TGC - 300
41 - P P R Y A S L P S T C R * R W R L L L L - 60

301 - TTC TCT TCG GAG TTG CTC GCC GCC CTC GCC CCC CAC TGT GGA CAG ATC GCG ACA GCA GCG - 360
61 - L F G V A R R P R P P L W T D R D S S A - 80

361 - CTT CAG CGC CGA CTT CAA GGT TGC CCA GGC GCC TGG CCT CTC GGC CTC GGT TTC CTG AGG - 420
81 - S A P T S R L P R R L A S R P R F P E E - 100

421 - AGA AGC GCG GGT CCC GCA TGA GAC CCG GCG GTG GCG CCA GCG AAA GGG AAC GAG GCG GTG - 480
101 - K R G S R M R P G G G A S E R E R G G G - 120

481 - GCG GGC GGC GGC GGT GGA CGA GGG CGA CAA GGA CCA GTG AGG CGG CCG CAG CTG CGA GGG - 540
121 - G R R R W T R A T R T S E A A A A A R A - 140

541 - CCG CAG CCC ACG CGC GGG GGC GAG GAC AGA TCA CCA GGA GAA TCC CAG TCT GAG GAC ATT - 600
141 - A A H A R G R G Q I T R R I P V * G H * - 160

601 - GAA GCT AGC CGA ATA ATC TCA AAT ATT TCA ATT CTT GCT CTT TTT CTG TGT TGA GGA AAA - 660
161 - S * P N N L K Y F N S C S F S V L R K N - 180

661 - ACC TAT TTA TTT ATT TTT GTT TTT TGA GAC AAG TTT TTC TCT GTG TAG CCT GAG TGT CCT - 720
181 - L F I Y F C F L R Q V F L C V A * V S W - 200

721 - GGA ACT TGC TCT GTA GAC AAG GCT GAC TTC AAA CTC AGA TAT TCT CCT GTT TCT GCT TTC - 780
201 - N L L C R Q G * L Q T Q I F S C F C F L - 220
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781 - TGA GTG TGA GAT TAA AGG TGT TGT ACC ACC ATG ACC AGC ATC AAA TTC ATG AGA AAA AAA - 840
221 - S V R L K V L Y H H D Q H Q I H E K K N - 240

841 - ATT CTT TAC CTT TCT AAT CAT CTA AGA AAT GAA ACA ACA GTG AGA TAC TAC TTC CTA CCT - 900
241 - S L P F * S S K K * N N S E I L L P T C - 260

901 - GCT AGA ATA TAT GAA TGT TCA TGT TGG TGA GGT TGT AAG CAA ACA GAA ATC TTG TAC ACA - 960
261 - * N I * M F M L V R L * A N R N L V H S - 280

961 - GTT GTT TGG AAT GTA AAT TAG ATC GAT TAT GGA AAA TAA CAG GTT CCT AAA AAT TGC AAT - 1020
281 - C L E C K L D R L W K I T G S * K L Q * - 300

1021 - GAC CTA GCA ATT GTA TTA TAG AAA TAT ATA GTG TGT TAT AAG AGA TAC CTG CAG TTT AAT - 1080
301 - P S N C I I E I Y S V L * E I P A V * F - 320

1081 - TTT GAT TGC AGC ATT AAT TAA ACA AAA TGC AGA AAT AAA CCA GTG TTT GTC AGT GGC TAA - 1140
321 - * L Q H * L N K M Q K * T S V C Q W L N - 340

1141 - ACA AAT AAA AAT TGA CAT ATA TGA TGA TGT AAT TTT TCG CCA TTA AAA TTT TTT TCT GAA - 1200
341 - K * K L T Y M M M * F F A I K I F F * N - 360

1201 - ATC TTA TGT CGG TGA CAA CAT GGA TGG AAA TGA TCC TTT ATA TTT TCA ATG AAA TAA ATC - 1260
361 - L M S V T T W M E M I L Y I F N E I N Q - 380

1261 - AGC ACA AAA ACA GGT AGT GCA TCA TCT TCC TGT ACA TAG ACT GTA AAA ACA TTC TAA AAA - 1320
381 - H K N R * C I I F L Y I D C K N I L K I - 400

1321 - TTG TTT GTT ACT TAG AGT AGA ATA AAT GAT AGA CAT AAA AAA TGC AAA ATG AAT AGA ATG - 1380
401 - V C Y L E * N K * * T * K M Q N E * N V - 420

1381 - TAG TTC AGG ACC AAA ATT GTA GAG CAT GGT GAC TTC TTT CTG TAT ATT TTC TTG AAT ATC - 1440
421 - V Q D Q N C R A W * L L S V Y F L E Y H - 440

1441 - ACT AAA AGT CAA CTA TTA AGT ATA TGT GCA AAA GTG CTA TGT TAG AAT TTA TAA ACT CAT - 1500
441 - * K S T I K Y M C K S A M L E F I N S F - 460

1501 - TTG ATG TAT CAC TTT TGC ATA TGA TAA TAT ATG TAG TTC TTA TTT GTC AAT GAA AAT AAA - 1560
461 - D V S L L H M I I Y V V L I C Q * K * K - 480

1561 - AAC TTT GGA AAA ACA GCC GTG TCT TCA TAT ATT AAA ATT ATT ATT GCA TGA GTG AGT GTT - 1620
481 - L W K N S R V F I Y * N Y Y C M S E C F - 500

1621 - TTT AAC AGA CGA ATA ACA TTT TAA TAA TCC TAC ATA TGG TGT TTA TTA TGC TTA AGA TAA - 1680
501 - * Q T N N I L I I L H M V F I M L K I K - 520

1681 - AGG AGT TAT GGT TGG AAA TAA AGA GAT TGT AAA GTT CTC TTA TTA AGA AAT ACA AAT AAT - 1740
521 - E L W L E I K R L * S S L I K K Y K * F - 540

1741 - TTT GGA GAC TCT TAA TAC TGG GAT ATA ACA TGC ACA TTG ACA TTG ATG TCC TTT AGC CCA - 1800
541 - W R L L I L G Y N M H I D I D V L * P M - 560

1801 - TGA GTT TAA TAG AAG AAG AAA GAA AAC CAG AAG ATA TCT AGG TGG ATT ATA TGA AAA TTT - 1860
561 - S L I E E E R K P E D I * V D Y M K I S - 580

1861 - CAT ATT ATG AAT TTG TGC ATA TAG AAG TAT TAA GAA TTT TGA TAT TTG GCT GGG TAT GTT - 1920
581 - Y Y E F V H I E V L R I L I F G W V C L - 600

1921 - TGC TTG CTC CAC TTC TGT ACT CCC GGT ACT TGG GAG CTT ATT CAG GGA CAG CTT CGC CTA - 1980
601 - L A P L L Y S R Y L G A Y S G T A S P I - 620

1981 - TAC AGT AAG GCA AGT CAA AGT TAC ATG AGA TCA TGG CTT TAA ACA AAC AAA CAA ACA AAC - 2040
621 - Q * G K S K L H E I M A L N K Q T N K Q - 640

2041 - AAA CAA ACA CAA AAA GCA GCT AAA AGC AGG GCC TAA AGA GTT GGC TCA GTG TCC TGC TTT - 2100

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641 -   T   N   T   K   S   S   *   K   Q   G   L   K   S   W   L   S   V   L   L   S   - 660

2101 - CCA ACT ATG TGG ACT AGA ATT TCA GAA CCT ATG TAA AAA GTG AGG CAA GGC CTT TCA TCC - 2160
661 -   N   Y   V   D   *   N   F   R   T   Y   V   K   S   E   A   R   P   F   I   P   - 680

2161 - CAG CCT TGG TGG AGG GGC AGA AAT GGA ATG GTG GTT GAA ATG TGT TCA TTC AGT CTA GAT - 2220
681 -   A   L   V   E   G   Q   K   W   N   G   G   *   N   V   F   I   Q   S   R   *   - 700

2221 - AAT TCA GCA AGT GTC AGG TTT AGG GAG AGA CCA CGT CTT AAA AAA TTG TGT GAG GAG CAT - 2280
701 -   F   S   K   C   Q   V   *   G   E   T   T   S   *   K   I   V   *   G   A   L   - 720

2281 - TAG AAA ATT ATG ACC GCC TTT GCT TTC TGG TCT CCA AAT GCA CAT GCA TGG GCA TGC ATG - 2340
721 -   E   N   Y   D   R   L   C   F   L   V   S   K   C   T   C   M   G   M   H   A   - 740

2341 - CCT CCA TGT TTG TGT GCA CAA CAC ATG TAT ACA CCA CCC CCC AAA AAA GCC AGA AAT CAA - 2400
741 -   S   M   F   V   C   T   T   H   V   Y   T   T   P   Q   K   S   Q   K   S   I   - 760

2401 - TTC ATC CAA AAT AGA ACT GTT ATT TGT ATG CTA TCA ATC CCT TGA AAT CTG ATA GAC ATT - 2460
761 -   H   P   K   *   N   C   Y   L   Y   A   I   N   P   L   K   S   D   R   H   L   - 780

2461 - TGC ATC TTA TTT AGT AGG ACT TTA TTT TAA ACC AAA TTC TAG AAA GCA TCC TTA GTT TCT - 2520
781 -   H   L   I   *   *   D   F   I   L   N   Q   I   L   E   S   I   L   S   F   S   - 800

2521 - CTT TGT GTC ACA TAT TGG AAC TGT TTG CAA GTT ATG TTG CAT TTA TCT TCA GAA TAC ATT - 2580
801 -   L   C   H   I   L   E   L   F   A   S   Y   V   A   F   I   F   R   I   H   F   - 820

2581 - TCA GCT TCT TTA AAA AGC ATT TGT AGT ACC ATT GCC ATC TTT TGA TAA GGG ACA TCA TTG - 2640
821 -   S   F   F   K   K   H   L   *   Y   H   C   H   L   L   I   R   D   I   I   V   - 840

2641 - TTT CTC AGT ACT TTT GTT CCT ACC TCT ATT TAC TAC CAA CAA TTC AAT GGG CTT TTC TGA - 2700
841 -   S   Q   Y   F   C   S   Y   L   Y   L   L   P   T   I   Q   W   A   F   L   I   - 860

2701 - TTA AAA AAA AGT TAA GCC ATC TTT TCT ATA CTC AAC TTT TCA AAG GTT TCC TAT TTC TTA - 2760
861 -   K   K   K   L   S   H   L   F   Y   T   Q   L   F   K   G   F   L   F   L   K   - 880

2761 - AAC TAT GGT TAG AAA TTG ATA CAG CCC TGA ACT GGC TCT TTC ATT TAT GTG ACA TCC TGT - 2820
881 -   L   W   L   E   I   D   T   A   L   N   W   L   F   H   L   C   D   I   L   Y   - 900

2821 - ACT AGC ATT ATG TTC TTA ACC TGC AAC TTT TGA GGT TTT AGT TCT GGA ACT TAC TGA CTG - 2880
901 -   *   H   Y   V   L   N   L   Q   L   L   R   F   *   F   W   N   L   L   T   V   - 920

2881 - TTC CCT CTT GAG TTA ATC TAC GTG TTT TTC TTT TTT ACT TGT TTC AGA ATT CTT AGA TAA - 2940
921 -   P   S   *   V   N   L   R   V   F   L   F   Y   L   F   Q   N   S   *   I   M   - 940

2941 - TGC CTG TCA TAG GTA TCT TTT CTG AGT ATC TCT ATC AAA ATA TGA TTG TGT CCC ATC TTC - 3000
941 -   P   V   I   G   I   F   S   E   Y   L   Y   Q   N   M   I   V   S   H   L   L   - 960

3001 - TCA ATT CTT ACT ATT TTC CTT TCT GAG ATT TAG TAT CAC TTC ATT TCT TTT AAG GTC TCA - 3060
961 -   N   S   Y   Y   F   P   F   *   D   L   V   S   L   H   F   F   *   G   L   S   - 980

3061 - GTA GAA TGG GAA CCT AAT GTT CTG TTT ATA TTT AAC AGT CTA ACA AAA AGA AAC TTA GGG - 3120
981 -   R   M   G   T   *   C   S   V   Y   I   *   Q   S   N   K   K   K   L   R   G   - 1000

3121 - GAG TAA AGG GTT TAT TTC AGC TTA CAT GTT ATA GGC CAT CGT TCA AAG TAG TCA GGG CAG - 3180
1001 - V   K   G   L   F   Q   L   T   C   Y   R   P   S   F   K   V   V   R   A   G   - 1020

3181 - GAA CTT TAT ACT GTT GCT GAC TCA ATT TTC AGA CCT AAG CAT TGC TAA CAC CAC TTA CTT - 3240
1021 - T   L   Y   C   C   *   L   N   F   Q   T   *   A   L   L   T   P   L   T   Y   - 1040

3241 - ACA GTC CAA AAC CAC CTG CCT AGG GAA TGC TAT TAT CCA CAG TAC ACT GGT CCC TCT TAC - 3300
1041 - S   P   K   P   P   A   *   G   M   L   L   S   T   V   H   W   S   L   L   H   - 1060

3301 - ATC AAT CAA GAC CTT CCC CTT TCC CCC AGT CAC ACC CAT GGG CCA GTT TAA TCT AGG TAG - 3360
1061 - Q   S   R   P   S   P   F   P   Q   S   H   P   W   A   S   L   I   *   V   V   - 1080

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3361 - TCC CTC AAT TGA GAG TCC CTT AGG TCA CAC TAC ACA TTA GAC TAT CAA ATT CAC AAC TAA - 3420
1081 - P Q L R V P * V T L H I R L S N S Q L K - 1100

3421 - AGC TAC CTT GAA TAC GTA GCA AAA TAT ATA AGG AAT AGT TAG TTA ATG AGT TAA TGC TTG - 3480
1101 - L P * I R S K I Y K E * L V N E L M L A - 1120

3481 - CTT ACT AAG TGT TAG TGA AAA ATC ATT AAA TGT ATG AAA AAT AT - 3524
1121 - Y * V L V K N H * M Y E K Y X - 1140
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