

Figure 1

ATATCAGGTGCGACACTGGAGTACAGCAGTTCGTAAGTGCAGTGTGCGATTATTTGTTAAAAGTTGGTGTACTGAATATAGGAATAATTGCTGATACC -14
TACATTCACGAAAATGCGAGTCATTTTGTGATTTTGGGACTACTATGTCGCGTTTCGTCGTTTCGAGTTCGAAGCTGTCGACCAGGATGGGGTAAAA 87
M R V I F V I F L G L L C R V S S F E F E A V D Q D G V K 29
TTCGGAGACAAAACGTCAACAGCTCAACAAATAGAAAGTAGACGAGAATAACGATGGCGGTAGAGTTCCAATAGTTTCGATAACCGGAGTGGGGGACACAC 187
F G D K T S T A Q Q I E V D E N N D G G R V P I V S I T G V G D T 62
TTTCGATGACCGGAATGACGAGCAACTTTGACTTGTCTAGACGCCGAACATAAAACAGATGACAACGTGAACCTACCAGCTCATTGTCAACTTGTCTGGATTA 287
L S M T G M T S N F D L L D A E L K T D D N V N Y Q L I V N L L D Y 96
CGAATCCTTAGATTACGGCGGGGACAGCGTGTCTGTGGCCATCACCGAAGTGTCAACTCTAACACAAGACAGCCATTGCAAGTAATAATCAAGAACTTG 387
E S L D S G G D S V L V A I T E V S T P N T R Q P L Q V I I K N L 129
GACGACGAACATCCGACGCTGACAGTTTCAAAGTGTATTTTGAAGAAGAAAAGTGTCTACGAGTGAACAATTCACCGTGCAGTTTACAATCAGTGATC 487
D D E H P T L T V S N C I L E E E T V I D V N N S P C S F T I S D 162
CGGACGGTTTTTTGGATACGATGGACTTTTCGAACATTGTGGGCTCGAAGGGCGAAGCTGACAATAATCGCATTGCTTATAAGACGCAGCCAGCGGGCAG 587
P D G F L D T M D F S N I V G S K G E A D K F A F A Y K T Q P A A T 196
GGATCGAGAAAAGCGAAAATTTATTTGGTGTGAAAGATGGGCAAAAAGTGTACTACGAGACAACAACACTGTTCACTTTTAACTGAGAAGCACAGGATAAC 687
D R E S E I Y L V L K D G Q K L D Y E T T T L F T F N V E A Q D N 229
GCCCATCATCCGACCAGCCAGCGAGTGTCCGATCATAGTACAGGTGCAAGACATGCCAGACCAACCGCCAGTGTGGGATGCAGCTTTTCGCTCGGCTA 787
A H H P T T P A S V P I I V Q V Q D M P D Q P P V W D A A F R S A 262
TTACAATACCAGAAAAGAACGAGACGACAATAACAAGTGTCTGCAAAAAGTGGAGACTATGGAATTAACAACAACATAAAATATACCGTCAAGACGAGAA 887
I T I P E K N E T T I Q L S A K D G D Y G I N N N I K Y T V E D E N 296
CAACTTCGCTACGGTGGATGCCTCTGTCTAATTACCGTCAAGTCAATTAACAGAGATGAGGGCTTCGATCAAGTCACTTTAACTGTGACTGCAATTGAA 987
N F A T V D A S G L I T V S P I N R D E G F D Q V T L T V T A I E 329
GTGGAACAGCCAGACTCGACAACAGTTGGCACCATACTGCTGATCCTTGAAGACATTGATGACAGCATAACCAGAAATCAGCGTACTTGATTCAACCGAGA 1087
V E Q P D S T T V G T I L L I L E D I D D S I P E I S V L D S T E 362
AGAAGATTGAAATCACTATCGATGAAGGTGCTTCTGACGTGCCAGTGCAGATCGTCTCACCGATTGGATCTGGGGGCAAAATGCCATCTACAACGTCAC 1187
K K I E I T I D E G A S D V P V D I V V T D L D L G A N A I Y N V T 396
ACTAGAAGCAGAAAATGAAGACTTTTGTGAGCTTTTAAATATAATACCAGGAAAGGGGTACGAGCAAAAGTCACTTACGTTAAGCATCATCGACTCCAAA 1287
L E A E N E D F L S A F N I I P G K G Y E Q T S L T L S I I D S K 429
TTGCTCAATTATGAAACTGCCGATTGGATCCACATGCAATGACGTTGCACACTCAAGAACTGACACTCCAACAACGAAGACTTTTACCAATACAA 1387
L L N Y E T A D W I H I A M T L H T Q G T D T P T N E D F L P I T 462
TCAACTAAATGATATCAACGATGAGTCTCCTATGATATTCGACGAAATGAGGTACAGTGTGAGTCTCAAATGTAGGGGTGGATATAACCTGACCAG 1487
I N L N D I N D E S P M I F R R M R Y S V R S Q N V G A G Y N L T S 496
CATAAAGCAACCGACTCGATCAGGAAGATATAGACAATGGATTAAAGCATGAAATATTTGGGGCGATGGGAAATACCATATTACAGATCGAAGATCTT 1587
I K A T D L D Q E D I D N G L K H E I L G A M G N T I L Q I E D L 529
GGCGGGGACGTGACCACAAAATAGACAAGGCTTTGACTACGAAAACAGAACGAAATTTACGTTTCAGATTAGAGCAGTGGATGCAGGAGGACATCCAG 1687
G G D V T T K I D K A F D Y E K Q N E I Y V Q I R A V D A G G H P 562
CTTCCACTCAGTTGACTATCAATGTAATTGACGTGAATGACGAAAATCCTAGATTGGTTGTGTCATCGACAATTGCTGTAGAGGAAAATCAGCCTGACAA 1787
A S T Q L T I N V I D V N D E N P R L V V S S T I A V E E N Q P D N 596
CTACCTCTTGAACAAAATATTGCGCATCCGACGAAAGACAGCGACGAGATTTGGAGTTCCTGATAGATTGGAGCAAATCTTACGCAACTAAAACCTCC 1887
Y P L E T N I A A S D E D S D A D L E F S I D W S K S Y A T K N S 629
CAAAGAATAAAAGATTTTGAAGTATCATTCATCAACGTGGAGACAGTTCAGGGGATGATCTTCACACAGCCACAGCTAAACTAAGCCTAAAGGAAA 1987
Q R I K D F E N Y H C I N V E T V P G D D L H T A T A K L S L K E 662
CACAACCTGGCAACACTCCTGACTATGAGACATTTGACACGTTATACATTCAATTAACAGTACCGACAAAAATACAACGGAAGGAGGACCGGACTC 2087
T Q P G N T P D Y E T F D T L Y I Q L T V T D K N T T E G E G T D S 696
AGCTCTGATTGTTATCAACATCAAGATGTGAACGACAACAAGCCGATATTTGCTGACAACACTGCAGAACTAAAAGAGAAGTTACTGAAAATACTAAA 2187
A L I V I N I Q D V N D N K P I F A D N T A E L K R E V T E N T K 729
GATGAATCATCATCAACTGTGACAGTACTGACGCTGACATGGACAACAATGTAACATACGCTATTAAGAGTGTCTGATGAGAACACTCCCGACTGGG 2287
D G I I I T T V T A T D A D M D N N V T Y A I K S A D E N T P D W 762
TTGCGATCGATCGTTTGGGAGTGTGTATGTCAAGTTAGAAGGTGATGACCAGATCGATTGTGACGATCCTAAACGAGACGTTTTAGTATATACAGTAA 2387
V A I D A F G S V Y V K L E G D D Q I D C D D P K R D V L V Y T V T 796
CGCAAGTGTGAGATCCAGACCATGACAATCAATCAATATAACCATGCGATAACCGACGAAACGACAATGTTCCCTGTGATGGAGGACCAAAAGCGAA 2487
A S D G D P D H D N S I N I T I A I T D Q N D N V P V M E D Q S E 829

GAAATAGACGAAGACAACAGCTTGTATCCGGACGACACCTCAACGGACGTACTATACTTAATCTAACATATAGTGATGCCGATAGAGACGAACCATACA 2587
E I D E D N Q L D P D D T L N G R T I L N L T Y S D A D R D E P Y 862
ATGTGGTGAAGTGTACTTTTGCACCTTCCACGAGCGACGAGGTCATCGACAGGTTTACAATTACAGACAACACTGTGGTGATTTGTTGGCAGCTGGAGC 2687
N V V R C T F A T S T S D E V I D R F T I T D N T V V I S L A A G A 896
CACTTTAGACAGAGAAGAACATTCCGAGTTTCAATTTGGGCTTAGCTGCACAGATGATCCCCAACATCAAGGACCAGTCTCAAACGCCATTTCTCCACCT 2787
T L D R E E H S E F Q F G L S C T D D P Q H Q G P V S N A I S P P 929
CCAAGAATCACAATAAACTGAACGACATCAACGCAACAAACCTCAAGTGCAGCACCCTGAAATAACGGGAATTACCGAAAACACCTCAAAGGGACCGC 2887
P R I T I K L N D I N D N K P Q V T T T T E I T G I T E N T S K G P 962
TGGGCCAAAACCTCAGGGGAAAGATGACGATGAAGGTGACAAGGCTGATAACCTTCGCCATAAAATAAGTCTGAGATATATTTCTGATGATGACGA 2987
L G Q K L Q G K D D D E G D K G L I T F A I N K V L R Y I S D D D D 996
CGCACCTACAGACGTCACCGACCACTTTGACATTACAGACGAAGAGGATGGTAAAGCGCCACTTTGAGCCTATTAGGAGACAATTTGAGCGGCCTGTGG 3087
A P T D V T D Q F D I T D E E D G K S A T L S L L G D N L S G L W 1029
GGTCGCTGGAAGCGACGATTGATGTAACGACAAGGGGACGCTGCACTAAACGGTCAAACGCTCGTCAAATTTGATGTCGCAAGTACAATTTCAAAG 3187
G R L E A T I D V T D K G T P A L N G Q N V V K I D V A K Y N F K 1062
AGCCTATATTCGACTTCCCAAAACAGGGAGATTCTACTACTTCAAGACGATACAAGATAAAGACGCCCCGCTCAAACCTTGAACGGAGGCAATATGGA 3287
E P I F D F P K Q G D S Y Y F K T I Q D K D A P L K L W N G G N M D 1096
CAACGTGAAGCGAAGCAGTCAACAAGGCAACAAATACAGTATAAAATTTGACGTTGTTGAGGATAGTAGCGACCAGAATTTGTTTAAAGTTGCCTATCTC 3387
N V K A N D Q Q G N K Y S I K F D V V E D S S D Q N L F K V A Y L 1129
GGAAATTCGCAAGGACAGCTTACGCTAATAATGCGGACTTTTGTCCGAAACCTTACACGGTGAATCTGCGGGCCTTTTGGACGTCGCAACAGTCCCG 3487
G N S Q G Q L Q L T N A D F V P K P Y T V T L R A S L D V D N S P 1162
CCAATGGAGAGGCATCTTACGAAGTGAATTTGACCATATAATATCAATTTCTTCGATAGTGACAGCACCAGTCCGGTATTTGAGCATCACAGTGATACCAC 3587
A N G E A S Y E V N C T I N I N F F D S D S T D P V F E H H S D T T 1196
TCTATTCGACTGAAAATCCGACACGGAATCGTACCAAGTTGAAAACGCAACGATATCCCGATATCGACCTTCCAGATTTGGCAGTCTATTATCTGATAAGA 3687
L F T E N S D T E S Y Q V E N A T Y P D I D L P D L A V Y Y L I R 1229
GAGGGTGACACAACGCTTTTAAAGATTGACCAATCAACAGGAACAAATCACCTTAAACAACCGCTCGACTACGAAACACAATCTTCGTACGAAGTGCTGA 3787
E G D T T L F K I D Q S T G T I T L K Q P L D Y E T Q S S Y E V L 1262
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I Q S S N A D K L N L D A L E E T K F A L T I Q V V D Q N D E S P V 1296
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F D Q T E Y F T T V L A G T S M S T K V T T V S A T D K D T T S K 1329
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D K L Q Y N I D N I T P S N L D L D I K S A F T M N T Q S G D I T 1362
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I N F E V K D S M E G Y F T A L D L S V Q D E E P E N H K A D A T L K 1396
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I Y I V T S K N T V V F R F E N D Q E T V S D K A G D I K S V L D 1429
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E E F Q Y E T K V E A P T G N T T D G T P L T R S P V F F L N L N 1462
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T N E P V D A T E I L K K V T N V D V F Q R L K N N F S K V G L V L 1496
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L S F D S S S E T N E N L E A I L K A W L I G V S V V L G A L C L 1529
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I L L I A F I L K T R A L N Q R I K K L S S T K F S G R K S R G L 1562
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N R Q G V A A P T T N K H A L E G S N P V S I T K S T P K D I D R T 1596
GAGCGTCACGAGCGGCGATTCAAGTCTAATAGGAGTGGAAAGTACGAGAAGTTGACTTTAGTTACCCAACTAAAGATGATCAGTTTGAATAAAAACCA 4887
S V T S G D S D L I G V E D D E K F D F S Y P T K D D Q F E * 1626
AATTATTTTTATTATTATTAAAGTTAATTATGTATATAAATCTACTAAGTGTAATATACGTACATATTTTTTAAAAAATAAAAAAAAAAAAAA 4982