Figure S2. Nucleotide sequence of bacterial expression vector pET28a-EGFP-CNA35

```
   1 atgggcagcagccatcatcatcatcatcacagcagcggcctggtgccgcgcggcagccat
      M  G  S  S  H  H  H  H  H  H  S  S  G  L  V  P  R  G  S  H
  61 atggctagcatggtgagcaagggcgaggagctgttcaccggggtggtgcccatcctggtc
      M  A  S  M  V  S  K  G  E  E  L  F  T  G  V  V  P  I  L  V
 121 gagctggacggcgacgtaaacggccacaagttcagcgtgtccggcgagggcgagggcgat
      E  L  D  G  D  V  N  G  H  K  F  S  V  S  G  E  G  E  G  D
 181 gccacctacggcaagctgaccctgaagttcatctgcaccaccggcaagctgcccgtgccc
      A  T  Y  G  K  L  T  L  K  F  I  C  T  T  G  K  L  P  V  P
 241 tggcccaccctcgtgaccaccctgacctacggcgtgcagtgcttcagccgctaccccgac
      W  P  T  L  V  T  T  L  T  Y  G  V  Q  C  F  S  R  Y  P  D
 301 cacatgaagcagcacgacttcttcaagtccgccatgcccgaaggctacgtccaggagcgc
      H  M  K  Q  H  D  F  F  K  S  A  M  P  E  G  Y  V  Q  E  R
 361 accatcttcttcaaggacgacggcaactacaagacccgcgccgaggtgaagttcgagggc
      T  I  F  F  K  D  D  G  N  Y  K  T  R  A  E  V  K  F  E  G
 421 gacaccctggtgaaccgcatcgagctgaagggcatcgacttcaaggaggacggcaacatc
      D  T  L  V  N  R  I  E  L  K  G  I  D  F  K  E  D  G  N  I
 481 ctggggcacaagctggagtacaactacaacagccacaacgtctatatcatggccgacaag
      L  G  H  K  L  E  Y  N  Y  N  S  H  N  V  Y  I  M  A  D  K
 541 cagaagaacggcatcaaggtgaacttcaagatccgccacaacatcgaggacggcagcgtg
      Q  K  N  G  I  K  V  N  F  K  I  R  H  N  I  E  D  G  S  V
 601 cagctcgccgaccactaccagcagaacacccccatcggcgacggccccgtgctgctgccc
      Q  L  A  D  H  Y  Q  Q  N  T  P  I  G  D  G  P  V  L  L  P
 661 gacaaccactacctgagcacccagtccgccctgagcaaagaccccaacgagaagcgcgat
      D  N  H  Y  L  S  T  Q  S  A  L  S  K  D  P  N  E  K  R  D
 721 cacatggtcctgctggagttcgtgaccgccgcgggatcactctcggcatggacgagctg
      H  M  V  L  L  E  F  V  T  A  A  G  I  T  L  G  M  D  E  L
 781 tacaagtccggagaattccacggatccgcacgagatatttcatcaacgaatgttacagat
      Y  K  S  G  E  F  H  G  S  A  R  D  I  S  S  T  N  V  T  D
 841 ttaactgtatcaccgtctaagatagaagatggtggtaaaacgacagtaaaaatgacgttc
      L  T  V  S  P  S  K  I  E  D  G  G  K  T  T  V  K  M  T  F
 901 gacgataaaaatggaaaaatacaaaatggtgacatgattaaagtggcatggccgacaagc
      D  D  K  N  G  K  I  Q  N  G  D  M  I  K  V  A  W  P  T  S
 961 ggtacagtaaagatagagggttatagtaaaacagtaccattaactgttaaaggtgaacag
      G  T  V  K  I  E  G  Y  S  K  T  V  P  L  T  V  K  G  E  Q
1021 gtgggtcaagcagttattacaccagacggtgcaacaattacattcaatgataaagtagaa
      V  G  Q  A  V  I  T  P  D  G  A  T  I  T  F  N  D  K  V  E
1081 aaattaagtgatgtttcgggatttgcagaatttgaagtacaaggaagaaatttaacgcaa
      K  L  S  D  V  S  G  F  A  E  F  E  V  Q  G  R  N  L  T  Q
1141 acaaatacttcagatgacaaagtagctacgataacatctgggaataaatcaacgaatgtt
      T  N  T  S  D  D  K  V  A  T  I  T  S  G  N  K  S  T  N  V
1201 acggttcataaaagtgaagcgggaacaagtagtgttttctattataaaacgggagatatg
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      T  V  H  K  S  E  A  G  T  S  S  V  F  Y  Y  K  T  G  D  M
1261  ctaccagaagatacgacacatgtacgatggtttttaaatattaacaatgaaaaaagttat
      L  P  E  D  T  T  H  V  R  W  F  L  N  I  N  N  E  K  S  Y
1321  gtatcgaaagatattactataaaggatcagattcaaggtggacagcagttagatttaagc
      V  S  K  D  I  T  I  K  D  Q  I  Q  G  G  Q  Q  L  D  L  S
1381  acattaaacattaatgtgacaggtacacatagcaattattatagtggacaaagtgcaatt
      T  L  N  I  N  V  T  G  T  H  S  N  Y  Y  S  G  Q  S  A  I
1441  actgattttgaaaaagcctttccaggttctaaaataactgttgataatacgaagaacaca
      T  D  F  E  K  A  F  P  G  S  K  I  T  V  D  N  T  K  N  T
1501  attgatgtaacaattccacaaggctatgggtcatataatagtttttcaattaactacaaa
      I  D  V  T  I  P  Q  G  Y  G  S  Y  N  S  F  S  I  N  Y  K
1561  accaaaattacgaatgaacagcaaaaagagtttgttaataattcacaagcttggtatcaa
      T  K  I  T  N  E  Q  Q  K  E  F  V  N  N  S  Q  A  W  Y  Q
1621  gagcatggtaaggaagaagtgaacgggaaatcatttaatcatactgtgcacaatattaat
      E  H  G  K  E  E  V  N  G  K  S  F  N  H  T  V  H  N  I  N
1681  gctaatgccggtattgaaggtactgtaaaaggtgaattaaaagttttaaaacaggataaa
      A  N  A  G  I  E  G  T  V  K  G  E  L  K  V  L  K  Q  D  K
1741  gataccaaggcttcagacgtcctgtaaggcattgctcgag
      D  T  K  A  S  D  V  L  -
```