Figure S8. Nucleotide sequence of bacterial expression vector pET28a-CNA35-EGFP

```
   1 atgggcagcagccatcatcatcatcatcacagcagcggcctggtgccgcgcggcagccat
      M  G  S  S  H  H  H  H  H  H  S  S  G  L  V  P  R  G  S  H
  61 atggctagctcaggtgcagaattccacggatccgcacgagatatttcatcaacgaatgtt
      M  A  S  S  G  A  E  F  H  G  S  A  R  D  I  S  S  T  N  V
 121 acagatttaactgtatcaccgtctaagatagaagatggtggtaaaacgacagtaaaaatg
      T  D  L  T  V  S  P  S  K  I  E  D  G  G  K  T  T  V  K  M
 181 acgttcgacgataaaaatggaaaaatacaaaatggtgacatgattaaagtggcatggccg
      T  F  D  D  K  N  G  K  I  Q  N  G  D  M  I  K  V  A  W  P
 241 acaagcggtacagtaaagatagagggttatagtaaaacagtaccattaactgttaaaggt
      T  S  G  T  V  K  I  E  G  Y  S  K  T  V  P  L  T  V  K  G
 301 gaacaggtgggtcaagcagttattacaccagacggtgcaacaattacattcaatgataaa
      E  Q  V  G  Q  A  V  I  T  P  D  G  A  T  I  T  F  N  D  K
 361 gtagaaaaattaagtgatgtttcgggatttgcagaatttgaagtacaaggaagaaattta
      V  E  K  L  S  D  V  S  G  F  A  E  F  E  V  Q  G  R  N  L
 421 acgcaaacaaatacttcagatgacaaagtagctacgataacatctgggaataaatcaacg
      T  Q  T  N  T  S  D  D  K  V  A  T  I  T  S  G  N  K  S  T
 481 aatgttacggttcataaaagtgaagcgggaacaagtagtgttttctattataaaacggga
      N  V  T  V  H  K  S  E  A  G  T  S  S  V  F  Y  Y  K  T  G
 541 gatatgctaccagaagatacgacacatgtacgatggtttttaaatattaacaatgaaaaa
      D  M  L  P  E  D  T  T  H  V  R  W  F  L  N  I  N  N  E  K
 601 agttatgtatcgaaagatattactataaaggatcagattcaaggtggacagcagttagat
      S  Y  V  S  K  D  I  T  I  K  D  Q  I  Q  G  G  Q  Q  L  D
 661 ttaagcacattaaacattaatgtgacaggtacacatagcaattattatagtggacaaagt
      L  S  T  L  N  I  N  V  T  G  T  H  S  N  Y  Y  S  G  Q  S
 721 gcaattactgattttgaaaaagcctttccaggttctaaaataactgttgataatacgaag
      A  I  T  D  F  E  K  A  F  P  G  S  K  I  T  V  D  N  T  K
 781 aacacaattgatgtaacaattccacaaggctatgggtcatataatagtttttcaattaac
      N  T  I  D  V  T  I  P  Q  G  Y  G  S  Y  N  S  F  S  I  N
 841 tacaaaaccaaaattacgaatgaacagcaaaaagagtttgttaataattcacaagcttgg
      Y  K  T  K  I  T  N  E  Q  Q  K  E  F  V  N  N  S  Q  A  W
 901 tatcaagagcatggtaaggaagaagtgaacgggaaatcatttaatcatactgtgcacaat
      Y  Q  E  H  G  K  E  E  V  N  G  K  S  F  N  H  T  V  H  N
 961 attaatgctaatgccggtattgaaggtactgtaaaaggtgaattaaaagttttaaaacag
      I  N  A  N  A  G  I  E  G  T  V  K  G  E  L  K  V  L  K  Q
1021 gataaagataccaaggcttcagacgtcatggtgagcaagggcgaggagctgttcaccggg
      D  K  D  T  K  A  S  D  V  M  V  S  K  G  E  E  L  F  T  G
1081 gtggtgcccatcctggtcgagctggacggcgacgtaaacggccacaagttcagcgtgtcc
      V  V  P  I  L  V  E  L  D  G  D  V  N  G  H  K  F  S  V  S
1141 ggcgagggcgagggcgatgccacctacggcaagctgaccctgaagttcatctgcaccacc
      G  E  G  E  G  D  A  T  Y  G  K  L  T  L  K  F  I  C  T  T
1201 ggcaagctgcccgtgccctggcccaccctcgtgaccaccctgacctacggcgtgcagtgc
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      G  K  L  P  V  P  W  P  T  L  V  T  T  L  T  Y  G  V  Q  C
1261  ttcagccgctaccccgaccacatgaagcagcacgacttcttcaagtccgccatgcccgaa
      F  S  R  Y  P  D  H  M  K  Q  H  D  F  F  K  S  A  M  P  E
1321  ggctacgtccaggagcgcaccatcttcttcaaggacgacggcaactacaagacccgcgcc
      G  Y  V  Q  E  R  T  I  F  F  K  D  D  G  N  Y  K  T  R  A
1381  gaggtgaagttcgagggcgacaccctggtgaaccgcatcgagctgaagggcatcgacttc
      E  V  K  F  E  G  D  T  L  V  N  R  I  E  L  K  G  I  D  F
1441  aaggaggacggcaacatcctggggcacaagctggagtacaactacaacagccacaacgtc
      K  E  D  G  N  I  L  G  H  K  L  E  Y  N  Y  N  S  H  N  V
1501  tatatcatggccgacaagcagaagaacggcatcaaggtgaacttcaagatccgccacaac
      Y  I  M  A  D  K  Q  K  N  G  I  K  V  N  F  K  I  R  H  N
1561  atcgaggacggcagcgtgcagctcgccgaccactaccagcagaacacccccatcggcgac
      I  E  D  G  S  V  Q  L  A  D  H  Y  Q  Q  N  T  P  I  G  D
1621  ggccccgtgctgctgcccgacaaccactacctgagcacccagtccgccctgagcaaagac
      G  P  V  L  L  P  D  N  H  Y  L  S  T  Q  S  A  L  S  K  D
1681  cccaacgagaagcgcgatcacatggtcctgctggagttcgtgaccgccgccgggatcact
      P  N  E  K  R  D  H  M  V  L  L  E  F  V  T  A  A  G  I  T
1741  ctcggcatggacgagctgtacaagtccggataactcgag
      L  G  M  D  E  L  Y  K  S  G  -
```