Figure S1. Nucleotide sequence of bacterial expression vector pET28a-mTurquoise2-CNA35

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   1  atgggcagcagccatcatcatcatcatcacagcagcggcctggtgccgcgcggcagccat
       M  G  S  S  H  H  H  H  H  H  S  S  G  L  V  P  R  G  S  H
  61  atggctagccccggtcgccaccatggtgagcaagggcgaggagctgttcaccggggtggtg
       M  A  S  P  V  A  T  M  V  S  K  G  E  E  L  F  T  G  V  V
 121  cccatcctggtcgagctggacggcgacgtaaacggccacaagttcagcgtgtccggcgag
       P  I  L  V  E  L  D  G  D  V  N  G  H  K  F  S  V  S  G  E
 181  ggcgagggcgatgccacctacggcaagctgaccctgaagttcatctgcaccaccggcaag
       G  E  G  D  A  T  Y  G  K  L  T  L  K  F  I  C  T  T  G  K
 241  ctgcccgtgccctggcccaccctcgtgaccaccctgtcctggggcgtgcagtgcttcgcc
       L  P  V  P  W  P  T  L  V  T  T  L  S  W  G  V  Q  C  F  A
 301  cgctaccccgaccacatgaagcagcacgacttcttcaagtccgccatgcccgaaggctac
       R  Y  P  D  H  M  K  Q  H  D  F  F  K  S  A  M  P  E  G  Y
 361  gtccaggagcgcaccatcttcttcaaggacgacggcaactacaagacccgcgccgaggtg
       V  Q  E  R  T  I  F  F  K  D  D  G  N  Y  K  T  R  A  E  V
 421  aagttcgagggcgacaccctggtgaaccgcatcgagctgaagggcatcgacttcaaggag
       K  F  E  G  D  T  L  V  N  R  I  E  L  K  G  I  D  F  K  E
 481  gacggcaacatcctggggcacaagctggagtacaactactttagcgacaacgtctatatc
       D  G  N  I  L  G  H  K  L  E  Y  N  Y  F  S  D  N  V  Y  I
 541  accgccgacaagcagaagaacggcatcaaggccaacttcaagatccgccacaacatcgag
       T  A  D  K  Q  K  N  G  I  K  A  N  F  K  I  R  H  N  I  E
 601  gacggcggcgtgcagctcgccgaccactaccagcagaacacccccatcggcgacggcccc
       D  G  G  V  Q  L  A  D  H  Y  Q  Q  N  T  P  I  G  D  G  P
 661  gtgctgctgcccgacaaccactacctgagcacccagtccaagctgagcaaagaccccaac
       V  L  L  P  D  N  H  Y  L  S  T  Q  S  K  L  S  K  D  P  N
 721  gagaagcgcgatcacatggtcctgctggagttcgtgaccgccgccgggatcactctcggc
       E  K  R  D  H  M  V  L  L  E  F  V  T  A  A  G  I  T  L  G
 781  atggacgagctgtacaaggaattccacggatccgcacgagatatttcatcaacgaatgtt
       M  D  E  L  Y  K  E  F  H  G  S  A  R  D  I  S  S  T  N  V
 841  acagatttaactgtatcaccgtctaagatagaagatggtggtaaaacgacagtaaaaatg
       T  D  L  T  V  S  P  S  K  I  E  D  G  G  K  T  T  V  K  M
 901  acgttcgacgataaaaatggaaaaatacaaaatggtgacatgattaaagtggcatggccg
       T  F  D  D  K  N  G  K  I  Q  N  G  D  M  I  K  V  A  W  P
 961  acaagcggtacagtaaagatagagggttatagtaaaacagtaccattaactgttaaaggt
       T  S  G  T  V  K  I  E  G  Y  S  K  T  V  P  L  T  V  K  G
1021  gaacaggtgggtcaagcagttattacaccagacggtgcaacaattacattcaatgataaa
       E  Q  V  G  Q  A  V  I  T  P  D  G  A  T  I  T  F  N  D  K
1081  gtagaaaaattaagtgatgtttcgggatttgcagaatttgaagtacaaggaagaaattta
       V  E  K  L  S  D  V  S  G  F  A  E  F  E  V  Q  G  R  N  L
1141  acgcaaacaaatacttcagatgacaaagtagctacgataacatctgggaataaatcaacg
       T  Q  T  N  T  S  D  D  K  V  A  T  I  T  S  G  N  K  S  T
1201  aatgttacggttcataaaagtgaagcgggaacaagtagtgttttctattataaaacggga
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      N  V  T  V  H  K  S  E  A  G  T  S  S  V  F  Y  Y  K  T  G
1261  gatatgctaccagaagatacgacacatgtacgatggtttttaaatattaacaatgaaaaa
      D  M  L  P  E  D  T  T  H  V  R  W  F  L  N  I  N  N  E  K
1321  agttatgtatcgaaagatattactataaaggatcagattcaaggtggacagcagttagat
      S  Y  V  S  K  D  I  T  I  K  D  Q  I  Q  G  G  Q  Q  L  D
1381  ttaagcacattaaacattaatgtgacaggtacacatagcaattattatagtggacaaagt
      L  S  T  L  N  I  N  V  T  G  T  H  S  N  Y  Y  S  G  Q  S
1441  gcaattactgattttgaaaaagcctttccaggttctaaaataactgttgataatacgaag
      A  I  T  D  F  E  K  A  F  P  G  S  K  I  T  V  D  N  T  K
1501  aacacaattgatgtaacaattccacaaggctatgggtcatataatagtttttcaattaac
      N  T  I  D  V  T  I  P  Q  G  Y  G  S  Y  N  S  F  S  I  N
1561  tacaaaaccaaaattacgaatgaacagcaaaaagagtttgttaataattcacaagcttgg
      Y  K  T  K  I  T  N  E  Q  Q  K  E  F  V  N  N  S  Q  A  W
1621  tatcaagagcatggtaaggaagaagtgaacgggaaatcatttaatcatactgtgcacaat
      Y  Q  E  H  G  K  E  E  V  N  G  K  S  F  N  H  T  V  H  N
1681  attaatgctaatgccggtattgaaggtactgtaaaaggtgaattaaaagttttaaaacag
      I  N  A  N  A  G  I  E  G  T  V  K  G  E  L  K  V  L  K  Q
1741  gataaagataccaaggcttcagacgtcctgtaaggcattgctcgag
      D  K  D  T  K  A  S  D  V  L  -
```