```
ORF    M  A  Q  G  R  S  E  L  S  I  D  S  D  R  I  G  L  F  L  Y  H  P  T  V  I  N  S  F  P  D
    1 ATGGCCCAAGGAAGAAGTGAACTCTCAATTGATTCAGATCGGATCGGATTATTCCTATACCACCCAACTGTCATCAATTCATTTCCCGAC

ORF    D  N  H  H  H  H  L  R  H  H  H  H  H  H  H  R  P  K  L  K  F  E  P  M  E  M  E  P  T  T
   91 GACAACCACCACCACCACCTCCGCCACCATCACCACCATCACCACCGTCCCAAGCTCAAGTTTGAACCCATGGAAATGGAACCAACCACC

ORF    T  R  S  P  I  K  T  I  Q  F  P  V  N  L  N  C  T  T  T  T  T  S  D  Q  D  I  P  T  P  S
  181 ACCAGGTCACCGATAAAAACCATCCAATTCCCAGTCAATCTCAACTGCACCACCACCACCACCTCCGATCAAGACATTCCCACGCCGTCC

ORF    D  H  N  H  R  T  V  I  D  E  M  D  F  F  A  Q  N  K  K  H  D  D  D  S  K  A  T  A  T  T
  271 GATCACAATCATCGCACGGTCATCGACGAGATGGACTTCTTCGCCCAGAATAAAAAACATGACGATGACTCCAAGGCTACAGCCACCACC

ORF    V  A  A  D  R  P  P  P  K  L  D  F  N  V  N  T  G  L  H  L  L  T  A  N  T  S  S  D  Q  S
  361 GTTGCCGCCGATCGACCACCTCCCAAATTGGATTTCAACGTTAACACTGGACTGCACCTTCTGACTGCGAACACCAGTAGTGATCAATCA

ORF    M  V  D  D  G  I  S  P  N  S  D  D  K  R  A  R  T  E  L  A  V  L  Q  A  E  I  E  R  M  N
  451 ATGGTGGACGATGGAATATCTCCCAACTCCGATGATAAAAGAGCTAGGACTGAGCTAGCTGTTCTTCAAGCGGAGATAGAACGAATGAAC

ORF    A  E  N  Q  R  L  R  D  M  L  N  Q  V  T  T  N  Y  N  T  L  Q  M  H  L  M  T  L  M  Q  Q
  541 GCGGAGAATCAACGCCTGCGAGACATGCTCAATCAAGTTACAACCAATTACAACACGCTTCAAATGCATCTGATGACACTGATGCAACAA

ORF    Q  Q  E  R  E  H  Q  Q  D  D  R  N  N  N  N  M  L  D  G  K  V  E  V  D  D  N  K  K  R  G
  631 CAACAAGAACGAGAACATCAACAAGACGATCGGAACAATAACAACATGCTAGATGGGAAAGTGGAAGTTGATGATAATAAGAAACGTGGT

ORF    G  L  M  V  P  R  Q  F  M  D  L  G  L  A  A  E  T  E  E  T  E  L  S  S  S  E  G  R  S  K
  721 GGTCTAATGGTGCCTAGACAGTTCATGGACCTTGGATTAGCTGCGGAGACAGAAGAGACTGAGCTGTCTTCCTCGGAGGGGAGGAGCAAA

ORF    D  R  S  G  S  P  V  N  D  N  G  E  A  A  A  S  K  E  L  C  D  D  Q  G  R  E  E  S  P  D
  811 GATCGGTCAGGATCGCCGGTGAATGATAATGGGGAGGCGGCGGCTTCGAAAGAGTTGTGTGATGATCAGGGAAGAGAGGAGAGTCCAGAT

ORF    N  G  S  S  Q  G  W  C  G  G  G  G  G  P  S  K  V  A  R  L  N  N  S  S  K  N  V  D  Q  A
  901 AATGGATCGAGCCAAGGATGGTGTGGGGGTGGTGGTGGTCCTAGTAAGGTTGCTAGATTGAATAATTCTTCTAAAAATGTTGATCAAGCT

ORF    T  E  A  T  M  R  K  A  R  V  S  V  R  A  R  S  E  A  P  M  I  S  D  G  C  Q  W  R  K  Y
  991 ACCGAGGCCACCATGAGGAAAGCCCGAGTCTCCGTACGAGCACGATCCGAGGCACCCATGATCAGTGATGGATGCCAATGGCGGAAGTAT

ORF    G  Q  K  M  A  K  G  N  P  C  P  R  A  Y  Y  R  C  T  M  A  A  G  C  P  V  R  K  Q  V  Q
 1081 GGGCAAAAAATGGCGAAAGGAAACCCGTGCCCTCGTGCCTATTATCGTTGCACCATGGCTGCCGGCTGCCCAGTTCGAAAGCAAGTACAG

ORF    R  C  A  E  D  R  T  I  L  I  T  T  Y  E  G  N  H  N  H  P  L  P  P  A  A  M  A  M  A  S
 1171 AGATGTGCAGAAGACAGAACCATCCTCATTACAACCTACGAAGGCAATCACAACCACCCATTGCCTCCGGCTGCCATGGCCATGGCCTCC

ORF    T  T  S  S  A  A  R  M  L  L  S  G  S  M  P  S  A  D  G  L  I  N  S  N  F  L  A  R  T  L
 1261 ACAACCTCCTCAGCCGCCCGAATGCTCCTCTCAGGCTCAATGCCGAGTGCCGACGGCCTAATTAACTCCAATTTTCTAGCCAGGACACTC

ORF    L  P  C  S  S  N  M  A  T  I  S  A  S  A  P  F  P  T  V  T  L  D  L  T  Q  S  P  N  P  L
 1351 CTCCCATGCTCATCAAACATGGCCACAATTTCAGCCTCAGCCCCATTCCCTACTGTCACTCTAGACCTCACCCAAAGCCCCAACCCATTA

ORF    Q  H  F  Q  R  P  P  N  P  F  H  V  P  F  P  N  P  Q  P  P  A  N  L  L  P  Q  A  F  G  Q
 1441 CAACACTTCCAAAGGCCACCAAACCCATTTCATGTCCCATTCCCTAACCCACAACCACCAGCCAATCTACTGCCCCAAGCATTTGGCCAG

ORF    A  L  Y  N  Q  S  K  F  S  G  L  Q  M  S  Q  D  A  Q  L  G  H  Q  A  V  P  L  P  P  L  N
 1531 GCATTGTATAACCAATCAAAATTCTCTGGGCTTCAAATGTCACAAGATGCCCAATTGGGCCACCAAGCCGTGCCACTGCCGCCACTGAAT

ORF    Q  Q  N  S  L  A  D  T  V  T  A  L  T  A  D  P  N  F  T  A  A  I  A  A  A  I  S  S  L  I
 1621 CAGCAGAACTCGTTGGCAGACACCGTTACTGCCCTCACTGCCGACCCCAACTTCACCGCAGCTATAGCGGCAGCCATCTCTTCTCTAATT

ORF    G  G  G  N  N  N  G  N  V  A  A  T  T  T  T  S  N  N  N  G  G  V  S  S  S  N  N  N  S  G
 1711 GGTGGAGGTAACAATAATGGAAATGTCGCGGCTACCACCACCACCAGCAACAACAATGGCGGCGTTTCGAGCAGTAATAACAATAGCGGT

ORF    D  N  N  K  V  N  N  S  S  F  M  G  N  *
 1801 GACAATAATAAAGTCAATAATTCAAGTTTTATGGGGAATTAG
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Supplemental Figure 7. **Cloned coding sequence and open reading frame (ORF) prediction of *CsWRKY29* gene of tea plants.** The putative ORF of *CsWRKY29* was predicted using NCBI Open Reading Frame Finder (www.ncbi.nlm.nih.gov/orffinder).