

ORF M D K G W G L T L G S D S I G F F P N K P A G L S L T P R L
1 ATGGACAAAGGGTGGGGCTCACCCCTGGTCTGATTCAATTGGTTTTTTTCCAAATAAACCGGCCGGTGTGAGTTAACTCCGAGATTG

ORF N R S R G G M F S G I E F P V R L N R K E E Q H T A L Q P S
91 AACCGGAGCCGAGGCGGTATGTTTTCGGGAATTGAGTTCCGGTAGATTAACCGGAAGGAGAGCAGCACACTGCTCTGCAACCGTCT

ORF D E N R T V V N E V D F F C D K K K S T K E D D Y M D S K A
181 GATGAGAATCGGACGGTTGCAACGAAGTCGACTTTTTCTGTGATAAGAAAAAATCGACAAAAGAGGATGATTATATGGATTCCAAAGCA

ORF S I S R V K K E N S H E T G P G M D L D V N T G L H L R T T
271 AGTATTAGCCGTGTCAAGAAAGAGAATTCTCACGAACTGGTCCCGAATGGACTTGGATGTAATACAGGTTGCACCTTCGTACGACT

ORF N T E S D L S T V D D G I S S H V E D K R A K I E M A V L Q
361 AACACGAAAGTGATCTGTCAACGGTGGACGATGGGATTTTCATCCACGTGGAAGATAAACGAGCTAAGATCGAGATGGCAGTATTGCAA

ORF A E V E R M N A E N Q R L R G M L S Q V S N N Y S A L Q L H
451 GCTGAGGTTGAAAGAATGAATGCTGAAAACAGAGGTTAAGAGGGATGCTCTCTCAAGTTAGCAACAATTACAGTGTCTACAGTTACAC

ORF L I T L M Q Q Q Q Q Q Q Q S S R A E A T H Q H E I L E A
541 TTAATTACATTAATGCAACAACAGCAACAACAGCAACAGCAGAGTTCAGAGCCGGAAGCCACTCACCAACATGAGATATTAGAAGCA

ORF R S E D K K H E G G G G P V V P R Q F M D L G P S A T A E T
631 AGGTGAGAAGATAAGAAACATGAGGGTGGTGGAGGACCAGTGGTCCCAAGACAATTTCATGGACTTAGGACCAAGTCCACAGCTGAGACA

ORF D D Q P S H S S S E E R T Q S A S P H P N N N K K D M V P L
721 GATGATCAACCATCTCATTCTTCATCAGAAGAAAACACAATCAGCTCACCTCATCCCAACAACAACAAAAAGACATGGTTCATTAT

ORF V G R E E S P E S E G W V P N K V P K S N P S K T N V D Q A
811 GTTGAAGAGAAGAGAGTCCAGAATCAGAAGGTTGGGTTCCCAATAAGGTTCCCAAATCGAATCCTTCTAAGACTAATGTTGATCAGGCC

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

ORF G Q K M A K G N P C P R A Y Y R C T M A V G C P V R K Q V Q
991 GGACAGAAGATGGCGAAAGGGAACCCATGTCTCGAGCTTACTACCGGTGACCATGGCGGTTGGTTGTCCAGTGCACAACAAGTTCAA

ORF R C A E D R T I L I T T Y E G T H N H P L P P A A M A M A S
1081 AGGTGTGCCGAGGACAGAACAATCCTAATAACAACCTATGAAGGTACTCACAACCATCCCCTCCCCTCCGGCAGCCATGGCAATGGCATCA

ORF T T S A A A S M L L S G S M S S A D G L M N P D F L A R A I
1171 ACCACATCAGCTGCAGCAAGCATGCTACTTTCTGGCTCGATGTCAAGTGCAGACGGGCTCATGAACCTGATTCTCCGCTCGAGCAATC

ORF L P S S S S M A T I S A S A P F P T V T L D L T H T S P N P
1261 CTTCCATCTCATCGAGCATGGCGACAATTTCCAGCTCAGCACCATTTCACAGTCACATTAGACCTAACCCACACTAGTCCCAACCCA

ORF L Q F Q R P P T Q F P V P F A S V P T P P Q P A A H V F G Q
1351 CTGCAATTCCAAAGACCCCTACCCAATTTCCAGTCCCCTTCGCTCTGTTCCAACCCACCACAACCGCGGCTCATGTCTTCGGGCAA

ORF A L Y N Q S K F S G L Q L S Q D I D A A Q L G H Q A P P P Q
1441 GCCCTATATAACCAATCAAAATTTCTCCGGCTCCAATTTCTCAAGATATAGATGCAGCCCAATTAGGTACCAAGCTCCACCTCCACAA

ORF L H H Q Q P P P N H S S F A D T L S A A T A A I T A D P N F
1531 TTGACCACCAACAACCACCACGAACCACTCATCATTGCTGACACTCTTAGCGCCGCCACAGCCGCCATCACCGCAGATCCCAATTTCC

ORF T A A L A A A I T S I M G G G Q Q P N S N N P T T T A S T T
1621 ACCGCTGTCTGTGCTGCCCATCACCTCCATTATGGGCGTGGTCAGCAGCCAAACAGCAACAATCCCACGACCAGGCTCCACCACC

ORF T T T N T T T S N S N K I G S F P V N *
1711 ACTACCACCAACACCACAACAAGCAATAGCAATAAGATTGGCAGCTTTCCAGTGAAGTGA

Supplemental Figure 8. Cloned coding sequence and open reading frame (ORF) prediction of *CsWRKY37* gene of tea plants. The putative ORF of *CsWRKY37* was predicted using NCBI Open Reading Frame Finder (www.ncbi.nlm.nih.gov/orffinder).