SUPPLEMENTAL MATERIAL

Pérez–Durán et al., http://www.jem.org/cgi/content/full/jem.20112253/DC1

A

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                                                                                                         14
ATGGTGAGCAAGGGCGAGGAGAATAACATGGCCATCATCAAGGAGTTCATGCGCTTCAAGGTGCGCATGGAGGGCTCCGTGAACGGCCAC

   12                                            14                 10/4                             7
GAGTTCGAGATCGAGGGCGAGGGCGAGGGCCGCCCCTACGAGGGCTTTCAGACCGCTAAGCTGAAGGTGACCAAGGGTGGCCCCCTGCCC

                           12              14              10/4    9                       6      10/4
TTCGCCTGGGACATCCTGTCCCCTCAGTTCACCTACGGCTCCAAGGCCTAGCTGAAGCACCCCGCCGACATCCCCGACTACTTCAAGGCTG

              14                            2
TCCTTCCCCGAGGGCTTCAAGTGGGAGCGCGTGATGAACTTCGAGGACGGCGGCGTGGTGACCGTGACCCAGGACTCCTCCCTGCAGGAC

   12              10/4       13        2                                                     14
GGCGAGTTCATCTACAAGGTGAAGCTGCGCGGCACCAACTTCCCCTCCGACGGCCCCGTAATGCAGAAGAAGACCATGGGCTGGGAGGCC

              5                                          14    10/4
TCCTCCGAGCGGATGTACCCCGAGGACGGCGCCCTGAAGGGCGAGATCAAGATGAGGCTGAAGCTGAAGGACGGCGGCCACTACACCTCC

                       3       10/4  7                           13       12
GAGGTCAAGACCACCTACAAGGCCAAGAAGCCCGTGCAGCTGCCCGGCGCCTACATCGTCGGCATCAAGTTGGACATCACCTCCCACAAC

              11                                     13       10/4       11
GAGGACTACACCATCGTGGAACAGTACGAACGCGCCGAGGGCCGCCACTCCACCGGCGGCATGGACGAGCTGTACAAGTAA
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B

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                    10/4                11                14              13
ATATAGAAGGAATTTAAATTGGAAGCTAATTTAGAATCAGTAAGGAGGGACCCAGGCTAAGAAGGCAATCCTGGGATTCTGGAAGAAAAG

   12                     6                    2              16                  12   7  11          6
ATGTTTTTAGTTTTTATAGAAAACACTACTACATTCTTGATCTACAACTCAATGTGGTTTAATGAATTTGAAGTTGCCAGTAAATGTACT

   16              15                    8                              14      15
TCCTGGTTGTTAAAGAATGGTATCAAAGGACAGTGCTTAGATCCRAGGTGAGTGTGAGAGGACAGGGGCTGGGGTATGGATACGCAGAAG

           10/4                                      12         9         14          2       3      11
GAAGGCCACAGCTGTACAGAATTGAGAAAGAATAGAGACCTGCAGTTGAGGCCAGCAGGTCGGCTGGACTAACTCTCCAGCCACAGTAAT

                          10/4  8   9                      16            11       3    14
GACCCAGACAGAGAAGCCAGACTCATAAAGCTTGCTGAGCAAAATTAAGGGAACAAGGTTGAGAGCCCTAGTAAGCGAGGCTCTAAAAA

9        10/4           14                           2            6        15   9   10/4   14
GCAYRGCTGAGCTGAGATGGGTGGGCTTCTCTGAGYGCTTCTAAAATGCGCTAAACTGAGGTGATTACTCTGAGGTAAGCAAAGCTGGGC

   3           11
TTGAGCCAAAATGAAGTAGA
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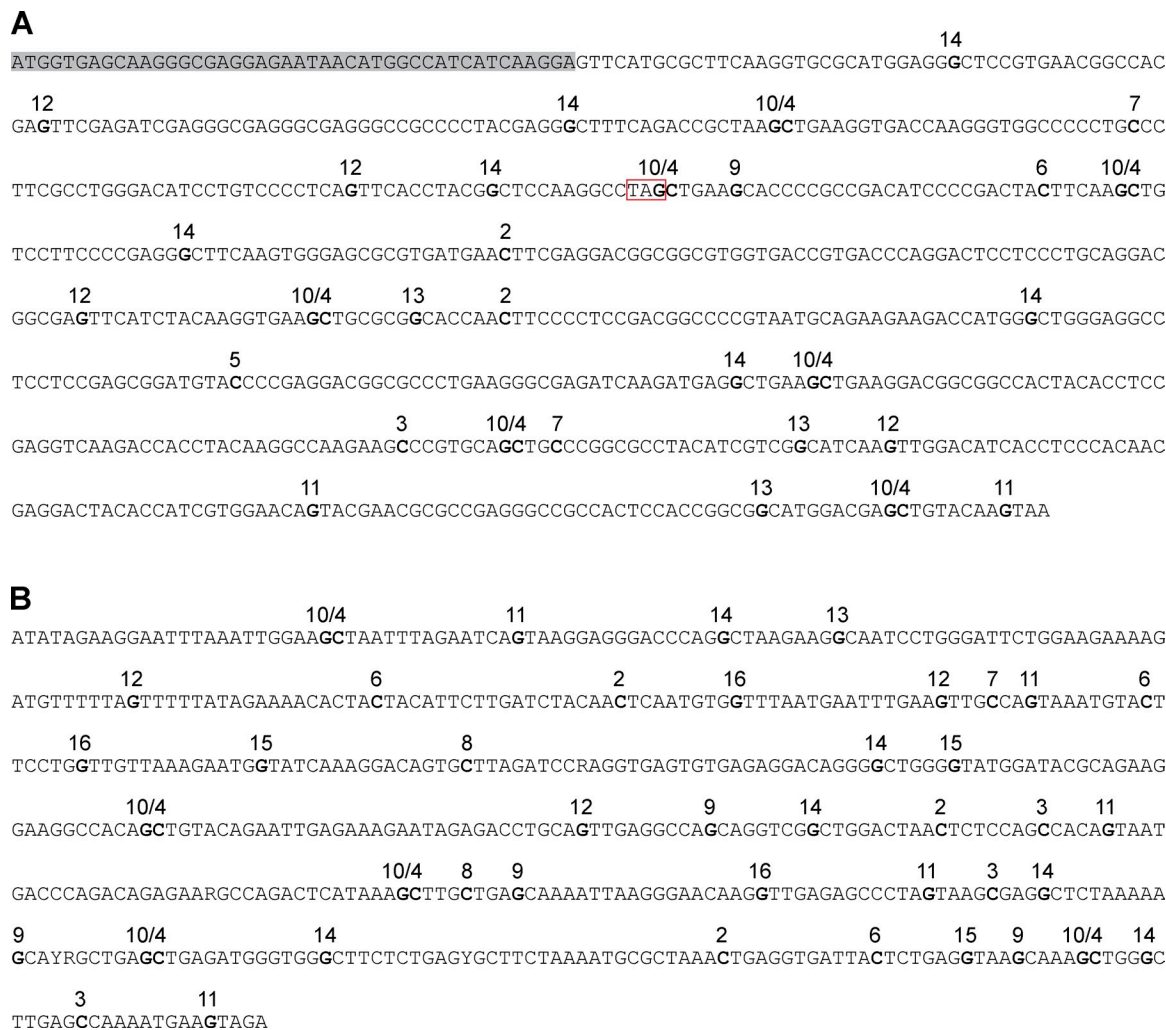
Figure S1. mOrange[STOP] and Sμ sequences. (A) mOrange[STOP] coding sequence. A stop codon was introduced at positions 230–233 (red box). Shadowed sequence is not included in the mutation analyses. (B) PCR amplified Sμ sequence analyzed by NGS. Numbers from 1 to 16 above both sequences indicate the cytosines and guanines in WRCY/RGYW hotspots as follows: AACC, AACT, AGCC, AGCT, TACC, TACT, TGCC, TGCT, AGCA, AGCT, AGTA, AGTT, GGCA, GGCT, GGTA, and GGTT (analyzed cytosines and guanines are underlined).

Tables S1 and S2 are also provided as Excel files.