

>Z58

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GAGAAAGGCAGAGGAGTATCTACTGAGTGTTCTCAAGACACTCCCTACTCGGAGTTCAACCATAGGT
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CCTGGAAGCTCTACTCCGAGAGGCTGATGACCCTGACCGGCGTGTACGGGTTCTGGAAGTACGTGAG
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>sh1*

ATGGCTGCCAAGCTGACTCGCCTCCACAGTCTTCGCGAACGCCTTGGTGCCACCTTCTCCTCCCATCC
CAATGAACTGATAGCACTCTTTTCCAGGTATGTTACACGAGGCAAGGGAATGCTTCAGCGCCATCAGC
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TGGGATTACATTGGGTGAATGTAAGTGAGCTGGCTGTGGAGGAGCTGAGTGTTTCTGAGTACTTGGC
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TCAATGCCTCCTTTCTCGTCCTTCCATGTCGAAGTCCATCGGAAATGGAGTGCAATTCCTTAACCGAC
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GAGAAAGGCAGAGGAGTATCTACTGAGTGTTCTCAAGACACTCCCTACTCGGAGTTCAACCATAGGT
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TCTCTTGCCAGTTCACAGCTGACCTTATTGCCATGAACCACACTGATTTTCATCATCACCAGCACATTCC
AAGAAATCGCGGAAGCAAGGACACCGTGGGGCAGTACGAGTCCCACATCGCGTTCACTCTTCCTGG
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ACGCGCGCCTGAGGGAGCTGGCGAACCTCGTGATCGTTGCCGGCGACCACGGCAAGGAGTCCAAGG
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CAACCTGGAGAGGCGCGAGACCCGCCGCTACATCGAGATGTTCTACGCCCTGAAGTACCGTAGCCTGG
CAAGCCAGGTTCCGCTGTCCTTCGATTAG

Fig S1. The sequencing data of GRMZM2G089713 in Z58 and *sh1**. The mutation site in the *sh1** is shown in green.