

1 **Supplemental Material**

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3 **Table S2. Oligonucleotides Used in This Study**

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Primer	Gene/Purpose	Sequence
MFA1f1	<i>MFA1</i> heterozygote	5'-CAGAAACATACATACATTGA -3'
MFA1r1	<i>MFA1</i> heterozygote	5'-CAGCACCTGT <u>CCCGGG</u> TCTTTGGTTTGACCAGATC-3'
MFA1f2	<i>MFA1</i> heterozygote	5'-ATTCAAATA <u>CCCGGG</u> ACAGGTGCTGTCACTGTTCA-3'
MFA1r2	<i>MFA1</i> heterozygote	5'-TGTGATAATTCCTGATCGT -3'
MFA1f3	<i>MFA1</i> homozygote	5'-CAGAAACATACATACATTGA -3'
MFA1r3	<i>MFA1</i> homozygote	5'-CAGCACCTGT <u>CCCGGG</u> TCTTTGGTTTGACCAGATC-3'
MFA1f4	<i>MFA1</i> homozygote	5'-ATTCAAATA <u>CCCGGG</u> ACAGGTGCTGTCACTGTTCA-3'
MFA1r4	<i>MFA1</i> homozygote	5'-TGTGATAATTCCTGATCGT -3'
MFaf1	<i>MFa</i> heterozygote	5'-AGAAAAGAAAATCGACACTC-3'
MFar1	<i>MFa</i> heterozygote	5'-TCCATCTTCT <u>CCCGGG</u> TTGATTTAATTAGTTGATG-3'
MFaf2	<i>MFa</i> heterozygote	5'-TTAAATCA <u>CCCGGG</u> GAGAAGATGGAAAGCATACT-3'
MFar2	<i>MFa</i> heterozygote	5'-AAATCCTGGCTCATTCTTT-3'
MFaf3	<i>MFa</i> homozygote	5'-AGAAAAGAAAATCGACACTC-3'
MFar3	<i>MFa</i> homozygote	5'-TCCATCTTCT <u>CCCGGG</u> TTGATTTAATTAGTTGATG-3'
MFaf4	<i>MFa</i> homozygote	5'-TTAAATCA <u>CCCGGG</u> GAGAAGATGGAAAGCATACT-3'
MFar4	<i>MFa</i> homozygote	5'-AAATCCTGGCTCATTCTTT-3'
MFαQ1f	<i>MFa</i> complementation	5'-TTCCTCTTTAGTATCGGTAAGGAA-3'
MFαQ1r	<i>MFa</i> complementation	5'- <u>TCCCGGG</u> TTTCTATCCGTTTACGTCTTCAT-3'
MFαQ2f	<i>MFa</i> complementation	5'- <u>TCCCGGG</u> TCTTGATACACAAATGAAGTGAAC-3'
MFαQ2r	<i>MFa</i> complementation	5'-ACATTGATGACGATAATGGTTCTT-3'
STE2f1	<i>STE2</i> heterozygote	5'-TCTATTGTGTAAACTATTAC-3'
STE2r1	<i>STE2</i> heterozygote	5'-GTGT <u>CCCGGG</u> AATCAATGCCTAGTCGATC-3'

STE2f2	<i>STE2</i> heterozygote	5'-TGTACCCGGGCAAATCACCATCAAAAGA-3'
STE2r2	<i>STE2</i> heterozygote	5'-CTTGTACTGGTTCAGCAACC-3'
STE2f3	<i>STE2</i> homozygote	5'-GATCGACTAGGCATTGATTTTTG-3'
STE2r3	<i>STE2</i> homozygote	5'-TCAT <u>CCCGGGT</u> CCTTCTTATGTTGAACAC-3'
STE2f4	<i>STE2</i> homozygote	5'-TCTT <u>CCCGGGT</u> CAAACTGCTAATAAT-3'
STE2r4	<i>STE2</i> homozygote	5'-CACTCTTTTGATGGTGATTG-3'
STE2Q1f	<i>STE2</i> complementation	5'-ATGATCGACTAGGCATTGATT-3'
STE2Q1r	<i>STE2</i> complementation	5'-TCC <u>CCCGGGT</u> GTTCCAAGTGCCTCCAACTTTC-3'
STE2Q2f	<i>STE2</i> complementation	5'-TCC <u>CCCGGG</u> GATAACGCAACTTCTATTTGGAATA-3'
STE2Q2r	<i>STE2</i> complementation	5'-ATAATGAGGTTGAGCATTGGGGAAT-3'
STE3f1	<i>STE3</i> heterozygote	5'-TGAATCTACTTTGGGCAGAG-3'
STE3r1	<i>STE3</i> heterozygote	5'-CCA <u>CCCGGG</u> ATTTTCCTCTTGGTTTT-3'
STE3f2	<i>STE3</i> heterozygote	5'-ACA <u>CCCGGGT</u> CCTTCGCCTGCAACATTA-3'
STE3r2	<i>STE3</i> heterozygote	5'-CACAATGCAGATGTTGTCG-3'
STE3f3	<i>STE3</i> homozygote	5'-AAAACCAAGAGGAAAATCCC-3'
STE3r3	<i>STE3</i> homozygote	5'-ACTT <u>CCCGGGT</u> GCCATAAAAAATGGCGG-3'
STE3f4	<i>STE3</i> homozygote	5'-ACAG <u>CCCGGG</u> CAACTGTATTCTTTCTGT-3'
STE3r4	<i>STE3</i> homozygote	5'-GCAGGCGAAGACTGGAGTTG-3'
WOR1f1	<i>WOR1</i> heterozygote	5'-TAA <u>CTCGAG</u> ACAAGAACAAGAAGCC-3'
WOR1r1	<i>WOR1</i> heterozygote	5'-TAA <u>CCCGGG</u> GATACTAATTGTTGTTTTC-3'
WOR1f2	<i>WOR1</i> heterozygote	5'-TAA <u>CCCGGG</u> GAATTAATACGGTGATTC-3'
WOR1r2	<i>WOR1</i> heterozygote	5'-TAA <u>CTCGAG</u> CATAAGGTGAATTCGCAATGAC-3'
WOR1f3	<i>WOR1</i> homozygote	5'-TAA <u>CTCGAG</u> TATTAAGCAATGTCTAATTC-3'
WOR1r3	<i>WOR1</i> homozygote	5'-TAA <u>CCCGGG</u> GTTGGTTCGTACTCGTCGTCG-3'
WOR1f4	<i>WOR1</i> homozygote	5'-TAA <u>CCCGGG</u> GAGTGGCTGGTGTAGGAGC-3'
WOR1r4	<i>WOR1</i> homozygote	5'-TAA <u>CTCGAG</u> CTAAGTACCGGTGTAATAG-3'
WOR1Q1f	<i>WOR1</i> complementation	5'-CATCTCAAACATCAAAGATACACT-3'
WOR1Q1r	<i>WOR1</i> complementation	5'-TCC <u>CCCGGG</u> TATGCATCATAAGGTGAATTCGCA-3'

WOR1Q2f	<i>WOR1</i> complementation	5'-TCCCCCGGGAAGATAGGTGGATGTATGAATATC-3'
WOR1Q2r	<i>WOR1</i> complementation	5'-TTAGCTCTATGAGAATTGATGGTT-3'
TetWor1F	<i>WOR1</i> overexpression	5'-TCCGTCGACAAAGATGTCTAATTCAAGTATAGTCCC-3'
TetWor1R	<i>WOR1</i> overexpression	5'-TCCGTCGACAAAGTACCGGTGTAATACGACC-3'
