

Supplemental Table S2. Oligonucleotides used in the study.

Primer	Gene/Purpose	Sequence
CAGPr2	<i>CAG1/a1-α2IP</i>	5'-TCAAATGCATATTCCTACC-3'
CAGPr1	<i>CAG1/a1-α2IP</i>	5'-CATGATTGAATACTGGTATT-3'
TOS9f1	<i>TOS9/probe</i>	5'-TACATCAACCAATCGACC-3'
TOS9r1	<i>TOS9/probe</i>	5'-TGCGTCATCTGTTCCAGC-3'
IFIf1	<i>IFI3/probe</i>	5'-TGGATGCGATATTGGACC-3'
IFIr1	<i>IFI3/probe</i>	5'-TCTTGAAAATGCACCTTC-3'
Hyr8f1	<i>HyR8/probe</i>	5'-CTACACTGGCTGGTTATTC-3'
Hyr8r1	<i>HyR8/probe</i>	5'-CCACAGATTCCTCTTAC-3'
a2f1	<i>MTLa2/probe</i>	5'-TTTTCCAAAGCTGCAGTC-3'
a2r1	<i>MTLa2/probe</i>	5'-GTCCTCAGTATAGATGCC-3'
P98f1	<i>SAP98/probe</i>	5'-GCTGCTAAATACCATGGC-3'
P98r1	<i>SAP98/probe</i>	5'-AGGTCTGATATTTGTTGC-3'
St18f1	<i>STE18/probe</i>	5'-CAACAACGACGACAATAAC-3'
St18r1	<i>STE18/probe</i>	5'-ACAACAACCAACTGTAGC-3'
5362f1	<i>PSO2/probe</i>	5'-GTCCAGAACTTGGTTGC-3'
5362r1	<i>PSO2/probe</i>	5'-TTAGTTGGCATTACTACC-3'
CEKSa1	<i>CEK2/probe</i>	5'-TAACTCGACATGAAGAAATCTACTGGCCC-3'
CEKBam	<i>CEK2/probe</i>	5'-TAAGGATCCTTACGACATGACTATTTC-3'
FGf2	<i>FGR23/probe</i>	5'-ACCACTTCTTCTCCATCTAC-3'
FGr2	<i>FGR23/probe</i>	5'-ATCATCATAATTCCAATAATCC-3'
4883f1	<i>19.4883/probe</i>	5'-ATTACCTCAAACCTGTTGC-3'
4883r1	<i>19.4883/probe</i>	5'-TTCTTCTTCGTTACGTC-3'
KICf1	<i>KIC1/probe</i>	5'-AGTATCAACATCTACAAC-3'
KICr1	<i>KIC1/probe</i>	5'-AGGTATGGTTGGGAACAC-3'
far1f1	<i>FAR1/probe</i>	5'-TGATGGAAGTCAGTTTGAC-3'
far1r1	<i>FAR1/probe</i>	5'-TTACCTGCATCGAGGTCC-3'
WHI3f1	<i>WHI3/probe</i>	5'-CAACTTCCACATCAACTC-3'
WHI3r1	<i>WHI3/probe</i>	5'-TGCAGTTGCAGTTGCAGC-3'
TRSf1	<i>TRS33/probe</i>	5'-ACAGAAGATATATTGGAC-3'
TRSr1	<i>TRS33/probe</i>	5'-GGATATTAAATACTACAGC-3'
1364f1	<i>YBR147w/probe</i>	5'-TACAACGGCAGGTTCTCC-3'
1364r1	<i>YBR147w/probe</i>	5'-TAATGATATTCTGGTTC-3'
1365f1	<i>P.a.IZF2/probe</i>	5'-CGTGATTCTTCATCACC-3'
1365r1	<i>P.a.IZF2/probe</i>	5'-ATATGCTTCATCATGTTC-3'
SCPf1	<i>SCP1/probe</i>	5'-ATGAAGATATACTGAGTTC-3'
SCPr1	<i>SCP1/probe</i>	5'-CGGCACTGTTGGTTTCAC-3'
3569f1	<i>YLR407w/probe</i>	5'-AAGAGGTATTAGTTCTCC-3'
3569r1	<i>YLR407w/probe</i>	5'-GCTGCAGTTGCAGTTGC-3'
AVTf1	<i>AVT7/probe</i>	5'-GATAATGATGCCGGTGC-3'
AVTr1	<i>AVT7/probe</i>	5'-CCTTGTCGTTCAATATC-3'
Pthf1	<i>PTH2/probe</i>	5'-GAAAACACCAACAACAAC-3'
Pthr1	<i>PTH2/probe</i>	5'-GGTCTTATTCAATGCAC-3'

466f1	19.446/probe	5'-ATGGCAGCTGGGTAAAGAC-3'
466r1	19.446/probe	5'-GAATTCATGGCCTGTTCC-3'
Snf3f1	<i>SNF3</i> /probe	5'-GACACAATTACCAGACTC-3'
Snf3r1	<i>SNF3</i> /probe	5'-ACTCGAATCTGAATCAC-3'
566f1	19.566/probe	5'-ATTTACATGTCCACCAC-3'
566r1	19.566/probe	5'-CACCAATGGTATACTCC-3'
3568f1	<i>RXT3</i> /probe	5'-CAACATGGGAAACATTAC-3'
3568r1	<i>RXT3</i> /probe	5'-CCTGAATGATAACTAGTC-3'
Asff1	<i>ASF1</i> /probe	5'-ATCTCGATAGTATCATTAAC-3'
Asfr1	<i>ASF1</i> /probe	5'-CTTTTGCTTCTTCTTCTAC-3'
CPH1Salf1	<i>CPH1</i> /probe	5'-TAAGCTCGACATGTCAATTACTAAAACATAC-3'
CPHBglr1	<i>CPH1</i> /probe	5'-TAAAGATCTTGTGTTGTGACTGTTTTACTTC-3'
St2GFF1	<i>STE2</i> /probe	5'-TAACCGCGGTGGATGGATTTACCAAC-3'
St2GFR1	<i>STE2</i> /probe	5'-TAACTGCAGCACTCTTTTGATGGTGATT-3'
EFHSalf1	<i>EFH1</i> /probe	5'-TAAGTCGACATGAATGGTATTATGACGAC-3'
EFH1r1	<i>EFH1</i> probe	5'-GTAATGTGTAGTAGTTTGC-3'
ADHPbf1	Southern Blot for probe Tet ^r	5'-TTCTTCTCCATCGTCTCC-3'
ADHPbr1	rescues <i>ADH1</i> target	5'-GTTGAATCCTTTGACATGTC-3'
ADH1Pcr2	<i>PNIN1-ADH1</i> target PCR	5'-GGACAAGCTCATTGAGTGAC-3'
CartTAPCR	<i>PNIN1-ADH1</i> target PCR	5'-TACAATGTAGGCTGCTCTAC-3'
TOS9f1	<i>TOS9</i> heterozygote	5'-TAACCTCGAGACAAGAACAAGAAGCC-3'
TOS9r1	<i>TOS9</i> heterozygote	5'-TAACCCGGGATACTAATTGTTGTTTTTC-3'
TOS9f2	<i>TOS9</i> heterozygote	5'-TAACCCGGGGGAATTAATACGGTGATTTC-3'
TOS9r2	<i>TOS9</i> heterozygote	5'-TAACCTCGAGCATAAGGTGAATTCGCAATGAC-3'
TOS9f3	<i>TOS9</i> homozygote	5'-TAACTCGAGTATTAAGCAATGTCTAATTC-3'
TOS9r3	<i>TOS9</i> homozygote	5'-TAACCCGGGGGTGGTCGTACTCGTCGTCG-3'
TOS9f4	<i>TOS9</i> homozygote and 3'RACE	5'-TAACCCGGGAGTGGCTGGTGTAGGAGC-3'
TOS9r4	<i>TOS9</i> homozygote	5'-TAACCTCGAGCTAAGTACCGGTGTAATAG-3'
TOS PCR1	<i>TOS9</i> /verification of <i>TOS9</i> heterozygotes by PCR	5'-GATTCCAAAGTGGTACCTGC-3'
TOS PCR2	<i>TOS9</i> /verification of <i>TOS9</i> heterozygotes by PCR	5'-CGGAGTTAACTGGGTATGATC-3'
SAT Test	PCR diagnosis for target specific insertion of SAT-flipped cassette	5'-CGATGTACTGGTACTGGTTC-3'
ToPrf1	<i>TOS9</i> deletion probe forward primer	5'-ACTGGTACAGGTAGTATC-3'
ToPbr1	<i>TOS9</i> deletion probe reverse primer	5'-TATTTGCTTGTGAATAAC-3'
TOGFF1	<i>TOS9</i> -GFP construct	5'-TAACTCGAGGGCTCTAGTTTTAGTGGACC-3'
TOGFR1	<i>TOS9</i> -GFP construct	5'-TAAATGCATAGTACCGGTGTAATAGCAC-3'
TOGFF2	<i>TOS9</i> -GFP construct	5'-TAAATGCATGCATGCGAATTAATACGGTGATTTC-3'
TOGFR2	<i>TOS9</i> -GFP construct	5'-TAACTCGAGCATAAGGTGAATTCGCAATGAC-3'

4884Sal	<i>TOS</i> (cloning in PNIM1	5'-TAAGCCGACTATTAAGCAATGTGTAATTC-3'
4884Bgl	<i>TOS</i> (cloning in PNIM1	5'-TAAAGATCTCTAAGTACCGGTGTAATAC-3'
A1RVR2		5'-AAGATACCACTTACTATTACTACTTACCACCACTTATTTCCAGTGGAGTTATTGTTG ATAGGGCGAATTGGGTACCG-3'
A1RVF2		5'-AATAAAAGAATGAGAAAGAAGGAACCCAAACTGAAAGCAAAATCAAGTTCAAAT TCAACCCGGATCCCCGGGTTAATTAA-3'
P2RVR2		5'-ATCACCATAGAACATATAAATCAAAATTAAAGTGCACACCTATACGAAGAAAAA GTCATTATAGGGCGAATTGGGTACCG-3'
P2RVF2		5'-AGAAGAAAAGAGAAAAATACCAAGGTGTCACCTGAGTTGGCTGCTTTGCTATTA ACAGGTCGGATCCCCGGGTTAATTAA-3'
CAGR1	Transcription termination control for GFP	5'-TAAGCATGCTCTTATTGGTGGGTCACAGAC-3'
CAGINR1	Transcription termination control for GFP	5'-TAACTGCAGTAGTTGCAAGAATGAGGCGATATC-3'
GFCFF1	GFP-orf PCR	5'-TTAATGCATATGTCTAAAGGTGAATTATTC-3'
GFCFR1	GFP-orf PCR	5'-TAAATGCATTTATTTGTACAATTCATCC-3'
SATSpH1	PCR amplification of SAT cassette	5'-TAAGCATGCTCCATCATAAAATGTCGAGC-3'
SATSBgl1	PCR amplification of SAT cassette	5'-TAAAGATCTGAACTTCCTGCAGGACCACC-3'
PSO2f1	Deletion Cassette I	5'-TAACTCGAGTCAATCTTGCTTGGTTC-3'
PSO2r1	Deletion Cassette I	5'-TAACCCGGGAATGTGTTACCCAGTTGC-3'
PSO2f2	Deletion Cassette I	5'-TAACCCGGGTGTATAGGTAGTAATGCC-3'
PSO2r2	Deletion Cassette I	5'-TAACTCGAGGACGCATTGAGTGGTCC-3'
5362f3	Deletion Cassette II	5'-TAACTCGAGAAGGGGAGATACACGAGTTTCC-3'
5362r3	Deletion Cassette II	5'-TAACCCGGGGACTCTGCTCTGACATCACC-3'
5362f4	Deletion Cassette II	5'-TAACCCGGGGCCCACTTCGATAACTTTTC-3'
5362r4	Deletion Cassette II	5'-TAACTCGAGTTTCGTCCAGTTGCGTC-3'
mesmsaf1	MET3:TOS9 construct	5'-TCGCCC GG GCGCGGGGATATATCCGGTACTTAC-3'
mepsnrr1	MET3:TOS9 construct	5'-TCGCTGCAGTCGCGAGTTTTCTGGGGAGGGTATTTAC-3'
mepsbgf2	MET3:TOS9 construct	5'-TCGCTGCAGAGATCTATGGATTATGTGTGTGTGTA-3'
mesmsar2	MET3:TOS9 construct	5'-TCGCCC GG GCGCGGATGGTATTTGCCGAAGCTTTA-3'
SATBglF1	PCR of SAT ^r marker	5'-TCGAGATCTTCCATCATAAAATGTCGAGC-3'
TOGSbF1	PCR of TOS9 ORF	5'-TCGCCTGCAGGATGTCTAATTCAAGTATAGT-3'
TOSbsLR1	PCR of TOS9 ORF	5'-TCGCCTGCAGGGTCGACACAGTACCGGTGTAATACGAC-3'
METPCR	MET3 target PCR	5'-CATTCCCTTGGGAATTATAC-3'
TO5r1	MET3 target PCR and 5' RACE	5'-ACGACGCCTCGTTCACGTTTCATGGGGTC-3'
TO5r2	5' RACE	5'-GCCAGTGGGGGCATTGCTACCGTTGTTC-3'
