

**Table S8.** Primers used in this study.

Primer name	Sequences
MaRab1_R	GCTGGTTCTCAAGATCAC
MaRab1_F	CCAAGAACGGTATAGAGCA
MaRab5_R	TTACAAGCAACAACCACC
MaRab5_F	GTTGATAGAGAATCTGAAAGGG
MaRab6_R	GCTCTGTACCTTTCTTGAC
MaRab6_F	CGAGGAATCTATTACCGT
MaRab11_R	CATTAAATCCCTCCTTAGCA
MaRab11_F	CTTATTCAGGCCAGTCCA
MaRab12_R	GCTTCCAAAGCAGAAGTC
MaRab12_F	GTCAGGAAAGGTACCGTG
MaRab13_R	ACTTCAGCAAATGCATTCTC
MaRab13_F	GTCAAGAAAGGTATCGCG
MaRab17_R	CCTCCACATTCTCACCAG
MaRab17_F	CCAAGAAAGGTACAGGGC
MaRab19_R	AATTGTTGCCTGATAGGTG
MaRab19_F	CTTTAGCGAAGTACAAACTG
MaRab22_R	ATCTCTGTTGTCGTCCAC
MaRab22_F	TCTCATTCAAGGCTAGTCCA

MaRab23_R	TTCCCTCTACCTGAAGG
MaRab23_F	TTTGATCGGAGATTCTGG
MaRab25_R	GCACGATATCTTTCTTGTC
MaRab25_F	GATGACGACTACGATTATCTC
yeast_MaRab1R	tacatgatgcggccctctagaTTACTGACAACACATGCTCTTCT
yeast_MaRab1F	cttggtaccgagctcgatccATGGCGAGTGCAGCAG
yeast_MaRab17R	tacatgatgcggccctctagaTTAACAAGAGCATGAAGACAACCTTC
yeast_MaRab17F	cttggtaccgagctcgatccATGGTCCAAGGTGAGAAGAAAC

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\* Primers names include yeast are required for yeast heterologous expression verification, the rest are required for quantitative real-time PCR.