

Table S1. Primers used in this study

Gene	Primer sequence (5'-3')	Primers used
<i>ZmERD15a</i>	ggacagggtaccggggatccATGAGCGCCGTGGCCGCC ggtactagtgtcgactctagaGCGAGGCTGGTGGATGATG	Primers for subcellular location
	ATGGCAAGCAGCCTGATCTT GCATCCTGGAGTCGTTGACA	Primers for qRT-PCR
	cttggtaccgagctcgatccATGAGCGCCGTGGCCGCC ccctctagatgcatgctcgagGCGAGGCTGGTGGATGATG	Primers for pYES2- <i>ZmERD15a</i> construction
<i>ZmERD15b</i>	ggacagggtaccggggatccATGGCGGTTGTGAGCGGC ggtactagtgtcgactctagaGCGCGGCTGCTGGATGGG	Primers for subcellular location
	CAGTGTACATCTTGGCACG AGCCAGATCCAGAACTGC	Primers for qRT-PCR
	cttggtaccgagctcgatccATGGCGGTTGTGAGCGGC ccctctagatgcatgctcgagGCGCGGCTGCTGGATGGG	Primers for pYES2- <i>ZmERD15b</i> construction
<i>ZmERD15c</i>	ggacagggtaccggggatccATGAGCACCACAACGGCG ggtactagtgtcgactctagaGCGAGGCTGGCGGATGGC	Primers for subcellular location
	TCTCGGCAGCCACAAGAAAC TAGAACACAGACAGGCACGG	Primers for qRT-PCR
	cttggtaccgagctcgatccATGAGCACCACAACGGCG ccctctagatgcatgctcgagGCGAGGCTGGCGGATGGC	Primers for pYES2- <i>ZmERD15c</i> construction
<i>ZmERD15d</i>	ggacagggtaccggggatccATGAGTGCCGTCGCGGTT ggtactagtgtcgactctagaGCGAGGCTGGTGGATCACG	Primers for subcellular location
	CGTCGTGGTCTGTCTGTCAA CACGAGGAGAGCAGCAGTAA	Primers for qRT-PCR
	cttggtaccgagctcgatccATGAGTGCCGTCGCGGTT ccctctagatgcatgctcgagGCGAGGCTGGTGGATCACG	Primers for pYES2- <i>ZmERD15d</i> construction
<i>ZmERD15e</i>	ggacagggtaccggggatccATGAGCGCCGTGGCGGTT ggtactagtgtcgactctagaGCGAGGCTGGTGGATCACG	Primers for subcellular location
	CCTACGCCGACACGTTTTCC AGTGAGTGAGCTTCTGGTGC	Primers for qRT-PCR
	cttggtaccgagctcgatccATGAGCGCCGTGGCGGTT ccctctagatgcatgctcgagGCGAGGCTGGTGGATCACG	Primers for pYES2- <i>ZmERD15e</i> construction
<i>Zm-EFLA</i>	TGGGCCTACTGGTCTTACTACTGA ACATACCCACGCTTCAGATCCT	Reference gene for qRT-PCR