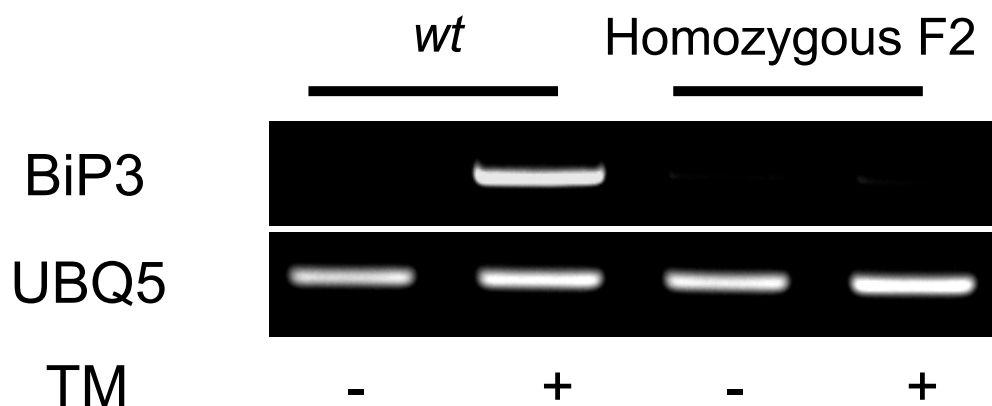
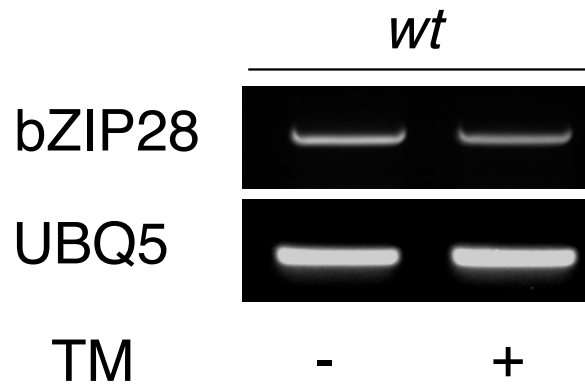


Supplemental Data. Liu et al. (2007). An ER Stress Response in *Arabidopsis* is Mediated by Proteolytic Processing and Nuclear Relocation of a Membrane-associated Transcription Factor, bZIP28.



Supplemental Figure 1. Inability to upregulate *BiP3* expression by TM segregates with T-DNA Insertion in *AtbZIP28*.

Homozygous F2 lines derived from a backcross *zip28-2* x *wt* were grouped and tested by RT-PCR for TM-induced *BiP3* expression. Seedlings were treated with 5 g/ml TM for one hour.



Supplemental Figure 2. *AtbZIP28* Expression is not Upregulated by TM Treatment.

One week old *wt* seedlings were treated with 5 g/ml TM for 4 hr and *AtbZIP28* transcript level was assessed by RT-PCT. (+) indicates treatment, (-) indicates lack of treatment.

Supplemental Table I. Primers used in the current study

Name	Purpose	Forward primer	Reverse primer
Scr285	Genotyping for SALK_132285	gttataaacctgtggaaccatcga	caactatctctctcaccatgactaa
Scr659	Genotyping for SALK_123659	cgaactacattcatcatacaacaca	caactatctctctcaccatgactaa
qBiP3	qRT-PCR	cacggttccagcgtatttcaat	ataagctatggcagcaccctgt
qBiP1,2	qRT-PCR	tcacttgggaggtgaggacttt	ctcacattcccttcggagctta
qPDIL	qRT-PCR	ctcgtgaagctgagggatttg	tgtgcgaaatctaactcagag
qCRT1	qRT-PCR	agaccttagctctccaattctc	ccattgtaagtaaggatagcatg
qCNX1	qRT-PCR	atgagacaacggcaactattttcc	ccataatcctcatgtccttcaact
qbZIP28ΔC	qRT-PCR	agaccgaagaa ggcagagagt	aggctctcttcagagataagt
qACT	qRT-PCR	ggtaacattgtgctcagtggttg	aacgaccttaattcttcagctgc
bZIP28	RT-PCR	gaaggcgcgcatgacggaatcaacatccgtggtg	ggactagttcaggtggctacgagatggagaccgat
BiP3	RT-PCR	gctaagacgtcacaatcgatta	aaccgactcaaaagaccttcaa
UBQ5	RT-PCR	ttgaagacggccgtaccctc	cgctgaacctttcaagatccatcg
GUS800	GUS fusion	cccaagcttatttgcaccattcagcttcacgggta	cgggatcccgtcggaggattcgaaaatttattct
OE800	gene cloning	gaaggcgcgcatgacggaatcaacatccgtggtg	ggactagttcaggtggctacgagatggagaccgat
GFP-AscI	GFP tagging	gaaggcgcgcatgagtaaaggagaagaacttttca	gaaggcgcgacctttgtatagttcatccatgccatg
CFP-ER	ER CFP marker	taccgggatgaagactaatcttttctctttctcat cttttcaactctctatcattatcctcggccgaattc gtgagcaagggcgaggagct	cgggatccttactagagctcatcgtgcttgtaacagctcgtcca tgccg
MYC-AscI	MYC tagging	gaaggcgcgcatggaacagaaattaatctctgaag	gaaggcgcgccaaggtctcttctcagagataagttt
OE800ΔC	expression	gaaggcgcgcatgacggaatcaacatccgtggtg	ggactagtaaccttcttgacttacttttacc