

Supplementary Table 4. Genes tested by Northern to determine whether misexpressed in abi seeds and seedlings exposed to ABA or stress treatments

AGI #	ABI regulation	Microarray result			1d ABI4-dependent			1d ABI5-dependent			2.5d ABA-dependent		Description
		ABA	Glc	NaCl	ABA	Glc	NaCl	ABA	Glc	NaCl	ABI4	ABI5	
At1g48130	ABI4	n	n	n	y	n	y	y	y				ARABIDOPSIS THALIANA 1-CYSTEINE PEROXIREDOXIN 1 Expression limited to seed, not induced by ABA or drought
At1g54870	ABI4	n	y	n	n	n	y						oxidoreductase; similar to dormancy related protein
At2g25890	ABI4	n	n		n	n	y						glycine-rich protein / oleosin; similar to OLEO1 (OLEOSIN1)
At2g35300	ABI4	n	n	n	y	n	y						late embryogenesis abundant group 1 domain-containing protein
At2g41260	ABI4	n	n	n	y	n	y						late embryogenesis abundant M17 protein
At3g17520	ABI4	n	y		n	n	y						late embryogenesis abundant domain-containing protein
At4g16160	ABI4	y	n		y	n	y	y	y				pore protein homolog
At4g21020	ABI4	n	n	n	y	n	y						late embryogenesis abundant domain-containing protein
At4g25140	ABI4	y	y	n	y	n	y	y	y				oleosin1
At5g22290	ABI4	y	y	y	y	n	y	n	y				NAC089
At5g51760	ABI4	n	n		y	y	y	y	y	n			AHG1 - protein phosphatase-2C
At5g52300	ABI4	n	n		n	n	n						RD29B, drought induced, ABA responsive, low-temperature-induced
At1g32560	ABI4 & ABI5	y	n	n	n	n	y						late embryogenesis abundant group 1 domain-containing protein
At2g36640	ABI4 & ABI5	n	n	n	y	n	y	n	y				late embryogenesis abundant protein (AtECP63)
At2g40170	ABI4 & ABI5	n	n		n	n	y						AtEm6; ABA regulated
At3g53040	ABI4 & ABI5	y	y	n	y	n	y	y	y				late embryogenesis abundant protein - similar to ATECP63
At4g36600	ABI4 & ABI5	n	n	n	y	n	y						lea domain, putative protein
At5g18450	ABI4 & ABI5	n	y	n	y	y	y	y	y				DREB2G - AP2 containing trxn factor
At1g02700	ABI5	n	n		n	n	y						unknown protein
At2g42540	ABI5	n	n		n	n	n						COR15A: cold-regulated gene, targeted to the chloroplast and increases freezing tolerance

Microarray results indicate ABI dependence for induction in 11d old 35S-ABI vs. abi plants treated with ABA and cycloheximide (CHX) for 4 hrs.

Northern results reflect comparison of expression in wild-type vs. abi seeds 1d post stratification on minimal medium supplemented with ABA, Glc or NaCl or 2.5d post-stratification on GM supplemented with 5 uM ABA