

Supplementary Table S1

Table S1. Germination percentages obtained after 7 days with Col-0 seeds incubated at 15 and 25°C in darkness, in absence or presence of 1000 ppb MCP. Means of 3 replicates $\pm$ SD. Seeds harvested in 2014.

Atmosphere	Germination (%) after 7 days at	
	15°C	25°C
Air	91,5 $\pm$ 3.4	2.6 $\pm$ 0.9
C ₂ H ₄ 50 ppm	95.5 $\pm$ 2.5	90.2 $\pm$ 2.5
C ₂ H ₄ 50 ppm+MCP 1000 ppb	34.3 $\pm$ 4.3	5.9 $\pm$ 0.5

Supplementary Table S2

Table S2. Germination percentages obtained after 7 days at 15 and 25°C in darkness, at 25°C in the presence of ethylene 100 ppm and after 4 days of incubation at 4°C. Means of 3 replicates $\pm$ SD. Seeds harvested in 2016.

Lines	Germination (%) after 7 days at			
	15°C	25°C	25°C with 100 ppm C ₂ H ₄	25°C after 4 days at 4°C
Col-0	98.4 $\pm$ 1.5	0	96.5 $\pm$ 1.5	100
<i>etr1</i>	12.7 $\pm$ 3.9	0	1.9 $\pm$ 1.4	91.4 $\pm$ 4.1
<i>ein2</i>	45.2 $\pm$ 8.3	0	1.7 $\pm$ 0.7	98.0 $\pm$ 1.9

Supplementary Table S3

Table S3. Germination percentages obtained after 7 days at 15 °C in darkness, at 15°C in the presence of ABA (0.1, 1 and 10 µM). Means of 3 replicates ± SD. Seeds harvested in 2015.

Lines	Germination (%) after 7 days at 15°C on			
	Water	ABA 0.1 µM	ABA 1 µM	ABA 10 µM
Col-0	94.1 ± 0.2	98.7 ± 0.5	66.1 ± 4.1	29.5 ± 1.7
<i>etr1</i>	23.1 ± 4.3	32.6 ± 3.7	17.7 ± 4.8	3.8 ± 0.6
<i>ein4</i>	91.3 ± 2.3	89.7 ± 3.3	50.6 ± 7.3	11.5 ± 3.8
<i>ein2</i>	75.3 ± 6.2	85.2 ± 5.2	44.0 ± 4.3	8.6 ± 1.7

Supplementary Table S4

Table S4. List and sequences of the primers used in real time RT-PCR experiments.

Gene	Locus ref.	Forward primer	Reverse primer
<i>AIN1</i>	AT1G54490	TACCTGTGTCCTGCCAAACA	GCGTCGGTTGCTATTGTCTT
<i>ETR1</i>	AT1G66340	CGCCTTCTTCTCCCGTAAA	CCACCACCATCTTGTTCTCTC
<i>EIN2</i>	AT5G03280	CACCACTCTGCTTGATCGTC	TCGTCTTCGTTCTCTCTTGT
<i>EIN4</i>	AT3G04580	TGAAACGAAGAAAAGCAGAGTG	GTAGAACCGAGACAACAACAACA
<i>GAI</i>	AT1G14920	ATCTTAAAGCTATTCCCGGTGAC	GTATCTCCTCCGCCGCCTTG
<i>RGA</i>	AT2G01570	CCAATTCCAAGGTCGATTGTCC	CTCGTCGTCCATGTTACCTCC
<i>RGL2</i>	AT3G03450	AAAACCACTACCAGCTTCTCGTT	CAGCCATCTCAGAAGATCGAAC
<i>ABI5</i>	AT2G36270	GAGAATGCGCAGCTAAAACA	GTGGACAACTCGGGTTCTCTC
<i>PRT6</i>	AT5G02310	CGTTGGTCAGAACAGGGACTTG	ATAGCTTGAGAGCCCAAATCGACT
<i>ATE1</i>	AT5G05700	TATAGAGAACCAAGCTCGCTGCC	TCAAATGGAACCCACTGGAAACG
<i>ATE2</i>	AT3G11240	CGACTTCGATACAAGGATATACCG	GAGTTCATACACCATTATCTCCGA
<i>UBQ5</i>	AT3G62250	CTTGAAGACGGCCGTACCCTC	CGCTGAACCTTTCAAGATCCATCG
<i>EMB1345</i>	AT2G26060	GGGATGGTCAAGATTTGGCA	CAAACCAACAGCAGTCACGGT
<i>CB5-E</i>	AT5G53560	TGAAGAAGTTTCAAAGCACAACA	TGAAGAAGTTTCAAAGCACAACA
<i>RHIP1</i>	AT4G26410	GAGCTGAAGTGGCTTCCATGAC	GGTCCGACATACCCATGATCC
<i>TIP41</i>	AT4G34270	GTGAAAAGTGTGGAGAGAAGCAA	TCAACTGGATACCTTTTCGCA

Supplementary Figure S1

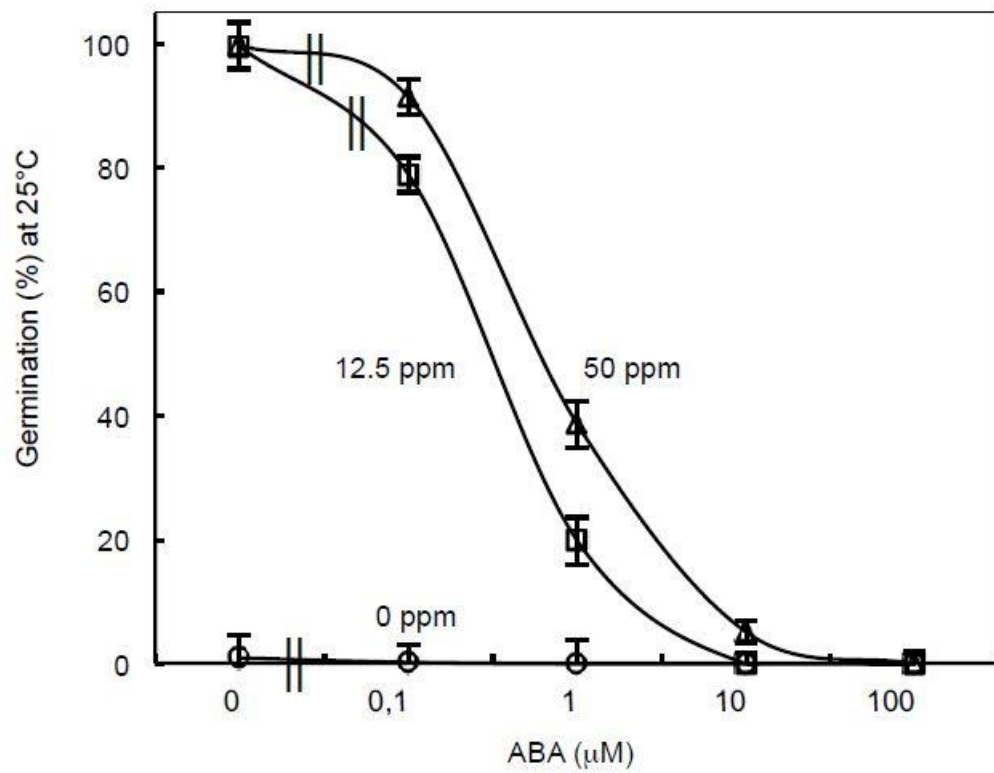


Figure S1 . Effects of ABA concentration on the germination percentage. obtained at 25°C with dormant Col seeds placed in the presence of 12.5 and 50 ppm ethylene. Dormant seeds did not germinate in absence of ethylene (0 ppm). Means of 3 replicates $\pm$ SD. Seeds harvested in 2015.