

Additional file 5: Primers used in this study.

Purpose	Primer name	Sequence	Reference
SCAP1 promoter cloning	attB1-SCAP1	AAAAGCAGGCTTCtctgtttttgttcatccaaag	
	attB2-SCAP1	AGAAAGCTGGGTGgtaaagtaggagagagagagagaac	
amiRNA-SCAP1 cloning	1-I	gaTATTAGGGATAAACGCGACCtctctctttgtattcc	
	1-II	gaGGGTGCGGTTTATCCCTAATAtcaaagagaatcaatga	
	1-III	gaGGATCGCGTTTATGCCTAATTtcacaggtcgtgatatg	
	1-IV	gaAATTAGGCATAAACGCGATCCtcatatataattct	
	2-I	gaTAATGATTAAGATCGGTCCGActctctttgtattcca	
	2-II	agTCGGACCGATCTTAATCATTAtcaaagagaatcaatga	
	2-III	agTCAGACCGATCTTTATCATTTtcacaggtcgtgatatg	
	2-IV	gaAAATGATAAAGATCGGTCTGActcatatataattccta	
	A	caccCTGCAAGGGATTAAGTTGGGTAAAC	
	B	GCGGATAACAATTTACACAGGAAACAG	
SCAP1 CDS cloning	SCAP1-Fw	caccATGTCTCCCATACCAATCTCC	
	SCAP1-Re2	AGGCAATGCATTATAATGATTAAG	
Genotyping RT-PCR	SCAP1-Re3	TCAAGGCAATGCATTATAATGATTA	
	Ds3-1	ACCCGACCGGATCGTATCGGT	[1]
	SPCH-Fw	AAAACAAATTCGTTTGCTCCC	[2]
	SPCH-Re	TATGAGGGACTCGCATTCATC	
	LBb1.3	ATTTTGCCGATTTCCGGAAC	
qRT-PCR	qRT-SCAP1-Fw	GCCGACGAAGAAAGGAGATA	
	qRT-SCAP1-Re	TCCAAGCTTGAATTCATTG	
	qRT-MYB60-Fw	CATGAAGATGGTGATCATGAGG	[3]
	qRT-MYB60-Re	TTCCATTTGACCCCCAGTAG	
	qRT-SPCH-Fw	CGCTTCGCTCTTACAGCTCA	[4]
	qRT-SPCH-Re	CCGTTTTGAGCAGCACGTTA	
	qRT-MUTE-Fw	CAGACAATCGAGCCATCCAG	
	qRT-MUTE-Re	CCCACGATTCGCCTAGAGAC	
	qRT-FAMA-Fw	CTCCTACGTTCAAAGGGGAGAC	[5]
	qRT-FAMA-Re	CTTCGACGCTTCTGTGATTCAGAC	
	qRT-EPF2-Fw	TTTGGTGTAACTCCATTCG	[6]
	qRT-EPF2-Re	ATCCGGTAAGCTTGATCCTGT	
	qRT-ACT-Fw	GTGTTGGACTCTGGAGA TGGTGTG	
	qRT-ACT-Re	GCCAAAGCAGTGATCTCTTTGCTC	

Additional references

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2. MacAlister CA, Ohashi-Ito K, Bergmann DC: **Transcription factor control of asymmetric cell divisions that establish the stomatal lineage.** *Nature* 2007, **445**:537–540.

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4. Tanaka Y, Nose T, Jikumaru Y, Kamiya Y: **ABA inhibits entry into stomatal-lineage development in Arabidopsis leaves.** *Plant J* 2013, **74**:448–457.

5. Niwa T, Kondo T, Nishizawa M, Kajita R, Kakimoto T, Ishiguro S: **EPIDERMAL PATTERNING FACTOR LIKE5 peptide represses stomatal development by inhibiting meristemoid maintenance in Arabidopsis thaliana.** *Biosci Biotechnol Biochem* 2013, **77**:1287–1295.

6. Pillitteri LJ, Peterson KM, Horst RJ, Torii KU: **Molecular profiling of stomatal meristemoids reveals new component of asymmetric cell division and commonalities among stem cell populations in Arabidopsis.** *Plant Cell* 2011, **23**:3260–3275.