

Article

Two Auxin-Response Elements Fine-Tune *PINOID* Expression During Gynoecium Development in *Arabidopsis thaliana*

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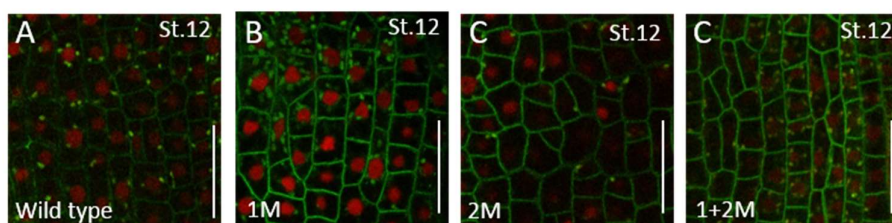


Figure S1. PID-GFP localises to the plasma membrane in an apolar fashion in all rescue promoter variants. (A-D) Representative confocal images of the style region of stage 12 for the respective promoter variant reporter lines. Scale bars = 20 μ m.

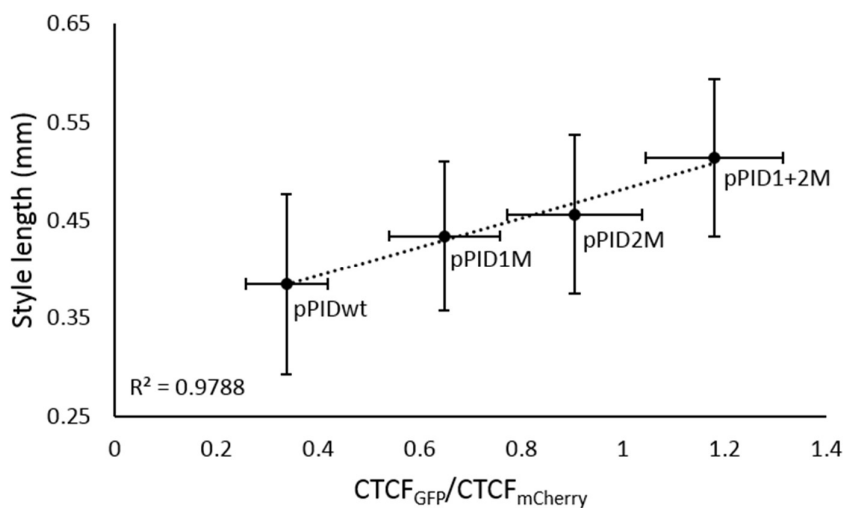


Figure S2. Correlation between PID promoter activity at stage 12 and style length in different AuxRE mutant lines. Shown are means \pm standard deviation.

Table 1. List of Primers used for cloning.

ID	Orientation	Description	Sequence 5'-3'
AK173	Sense	Promoter	TGAAGACTTGGAGCGGTAGACCAAATCCAGGGT
AK174	Antisense	Promoter	TGAAGACTTCATTCGCCGGGAAAATCGAAGTTA
AK175	Antisense	Promoter 1M	TGAAGACTTTGAGACGTTATCACGTGCCTGAAA
AK176	Sense	Promoter 2M	TGAAGACTTCTCACACGTGTCATATATCTTACG
AK177	Sense	Promoter 1M	TGAAGACTTCTCACACGTATCATATATCTTACG
AK178	Antisense	Promoter 2M	TGAAGACTTTGAGACGTTGTCACGTGCCTGAAA
AK179	Sense	Gene part1	TGAAGACTTAATGTTACGAGAATCAGACGGTGAGA
AK180	Antisense	Gene part1	TGAAGACTTGCCCTCTGATCTCTGCGTAAGCGA
AK181	Sense	Gene part2	TGAAGACTTAGCGGAAAAAACAAGGCCTAACC
AK182	Antisense	Gene part2	TGAAGACTTATGACGAGGAAGATTCAACGGCTG
AK183	Sense	Gene part3	TGAAGACTTTCATCGCCGGAGAATCAACAACCTC
AK184	Antisense	Gene part3	TGAAGACTTCGAAGATCCAAAGTAATCGAACGCCG
SS-IND	Sense	IND	GGAAGACTTAATGGAGCCTCAGCCTCACCATCTCC
SS-IND	Antisense	IND	GGAAGACTTCGAACCGGGTTGGGAGTTGTGGTAATAAC
SS-pIND	Sense	pIND	GGAAGACGGGGAGGAAAGTGTGTAATCCAAATCGTTTGGC
SS-pIND	Antisense	pIND	GGAAGACGGCATTTCATCTTTCTTATTCTC

Table 2. List of plasmids used for cloning. The Plasmids are available from TSL Synbio (<http://synbio.tsl.ac.uk/>).

ID	Level	Description	Comments	Selection
pICH41295	L0	Acceptor for Pro+5U modules	AddGene #47997	Spectinomycin
pICSL01005	L0	Acceptor for CDS no stop (ns) modules	AddGene #47996	Spectinomycin
pICSL50005	L0	Yellow Fluorescent Protein (YFP) for C-terminal fusion	-	Spectinomycin
pICSL50008	L0	Green Fluorescent Protein (GFP) for C-terminal fusion	AddGene #50314	Spectinomycin
pICSL80013	L0	GFP with Simian Virus 40 nuclear localisation signal	-	Spectinomycin
pICH50581	L0	ACTIN 2 Constitutive promoter – plants	AddGene #50256	Spectinomycin
pAGM5331	L0	Simian Virus 40 nuclear localisation signal	AddGene #50294	Spectinomycin
pICSL80007	L0	mCherry Fluorescent protein	AddGene #50321	Spectinomycin
pICH41421	L0	Nos (nopaline synthase) terminator	AddGene #50339	Spectinomycin
pICSL11017	L1	Position1 BASTA resistance cassette	-	Ampicilin
pICH47742	L1	Position 2	AddGene #48001	Ampicilin
pICH47751	L1	Position 3	AddGene #48002	Ampicilin
pICH41766	L1	End-linker 3 for level 2 construction	AddGene #48018	Ampicilin
pAGM4723	L2	Binary vector	-	Kanamycin