Table S1. Plant genotypes used for this study

Plant genotype	Description/reference
pATHB15::LhG4	Five thousand bp of the 5′ upstream sequence of *ATHB15* were amplified by PCR and cloned in front of the *LhG4* sequence
10Op::ATHB8δmiR	A non-silent single-point mutation (G to D) was introduced in the *miR165/166* complementary site of an *ATHB8* cDNA and the cDNA was cloned behind the *10Op* sequence
pLTP1::LhG4	Moore et al., 2006
pREV::LhG4	Moore et al., 2006
6Op::KAN1	Eshed et al., 2001
10Op::miR165	Alvarez et al., 2005
10Op::ATHB8δmiR	Alvarez et al., 2005
10Op::GFP	Alvarez et al., 2005
APL::GUS	Bonke et al., 2003
ATHB8::GUS	Baima et al., 1995
PIN1::GFP	Benkova et al., 2003
35S::PIN1	Benkova et al., 2003
DR5rev::GFP	Friml et al., 2003
35S::KAN1-GR	Hawker and Bowman, 2004
rev-9	Emery et al., 2003
rev-10d	Emery et al., 2003
phb-6 phv-5 rev-9	Emery et al., 2003
kan1-2 kan2-1 kan3-1 kan4-3	Izhaki and Bowman, 2007

Plants homozygous for the transactivation driver lines *pATHB15::LhG4, pLTP1::LhG4* and *pREV::LhG4* were crossed to plants homozygous for the various reporter constructs *6Op::KAN1*, *10Op::miR165, 10Op::ATHB8δmiR* and *10Op::GFP*. *pATHB15::LhG4* and *10Op::miR165* were crossed to *rev-9* mutants and segregating plants homozygous for *pATHB15::LhG4* and *rev-9* were crossed with segregating plants homozygous for *10Op::miR165* and *rev-9*. *APL::GUS* and *ATHB8::GUS* plants were crossed with the *pATHB15::LhG4* driver line and plants homozygous for *pATHB15::LhG4* and either *APL::GUS* or *ATHB8::GUS* were crossed with homozygous reporter lines. Similarly, *PIN1::GFP, 35S::PIN1* and *DR5rev::GFP* were introduced into the *pATHB15::LhG4* and the *pOP::KAN1* lines. *35S::KAN1-GR* plants were crossed with *35S::PIN1* plants and F3 plants homozygous for both gene constructs were selected.

References

Bonke, M., Thitamadee, S., Mahonen, A. P., Hauser, M. T. and Helariutta, Y. (2003). APL regulates vascular tissue identity in Arabidopsis. *Nature* **426**, 181-186.

Moore, I., Samalova, M. and Kurup, S. (2006). Transactivated and chemically inducible gene expression in plants. *Plant J.* **45**, 651-683.