

Supplementary Table S1

A List of primers for qRT-PCR used in this study

Name	Length (mer)	Sequence
PIF4-F	20	ATCATCTCCGACCGGTTTGC
PIF4-R	20	AGTGGCTCACCAACCTAGTG
PIF7-F	20	AGTTTCAGCTGCAGAGTCCG
PIF7-R	18	CCACTCGCACTTGCACTG
PIF5-F	20	GATGCAGACCGTGCAACAAC
PIF5-R	20	CTTTTATGCTTGCTTAGGCG
YUC8-F	24	CGTCTCAAGCTTCACCTTCCTAAG
YUC8-R	23	TGGTCTCATCGAACCGAGCAGTC
IAA29-F	20	ATCACCATCATTGCCCGTAT
IAA29-R	20	ATTGCCACACCATCCATCTT
ATHB2-F	23	GAGGTAGACTGCGAGTTCTTACG
ATHB2-R	23	GCATGTAGAACTGAGGAGAGAGC
XTH15-F	20	CTTATGGCAGGAGGAGACTC
XTH15-R	21	CCAGGATGCTTTATTGATCTT
BIM1-F	20	GATGGAATCACGAACCTGCG
BIM1-R	20	ATGATGCGACTCTTGCGTGG
GAI-F	22	CAATCAGTTCGCTATCGATTCCG
GAI-R	21	CTTTCTGAACAGCTTCAGCGC

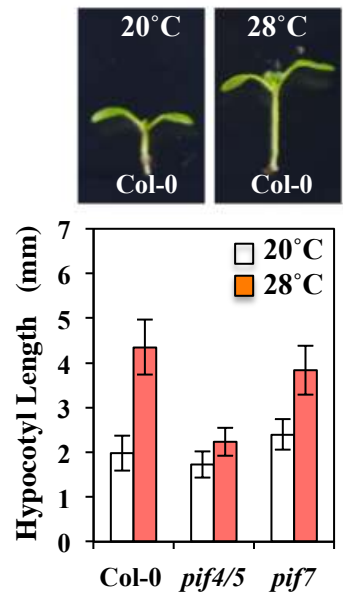


Fig. S1. Examination of involvement of *PIF4*, *PIF5* and *PIF7* in the control of temperature dependent elongation of hypocotyls.

A set of seedlings (*Col-0*, *pif4 pif5*, *pif7*) was grown at 20°C and 28°C in a 15 h light/ 9h dark cycle for 7 d, and the resulting lengths of hypocotyls were measured ($n = 20$). The representative seedlings of *Col-0* were photographed and shown at the top.

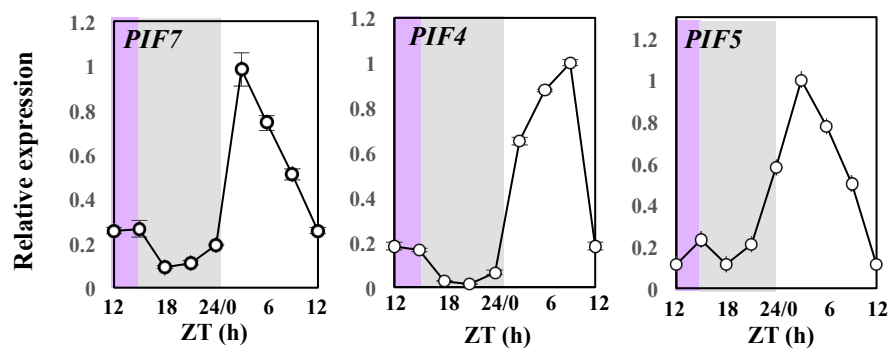


Fig. S2. *Diurnal expression profile of PIF4, PIF5 and PIF7.*

Seedlings (Col-0) were grown under the EODFR conditions for 7 d, and the diurnal expression profiles of *PIF7*, *PIF4* and *PIF5* were examined by qRT-PCR. White area denotes a FL period (12 h). Shaded area, a dark period (9 h). Violet area, a FL+FR period (3h).