





**Figure S2:** The highly conserved Arabidopsis BIG. (A) Alignment of BIG proteins among different species. Identical amino acids are indicated in the same color. The red line represents the conserved UBR domain and E3 ubiquitin ligase domain.

**Table S1. Primers used in this study.**

Name	Sequences (5'-3')
WOX5-q-FP	GATTGTCAAGAGGAAGAGAAGGTGA
WOX5-q-RP	AGCTTAATCGAAGATCTAATGGCG
SHR-q-FP	TCCAAGGACGAGCAACGAGAGGT
SHR-q-RP	CCGGCGGCATCAGGACACT
SCR-q-FP	TTCCCGCCGTCCAAACAAATA
SCR-q-RP	TGCGCTGAGGTCCCCTAAGG
PLT1-q-FP	ACATCGATGGACTGGTCGATATGAG
PLT1-q-RP	TGAAGGACCCCAGTACTTAAGTGCA
PLT2-q-FP	TACCTTATAACGACATTCATCAA
PLT2-q-RP	GAGCATTAGAGGCACAAG
PIN1-q-FP	TTACTGTTTCGTCGTTCTA
PIN1-q-RP	TATATCTCAGCGTTGGTTA
PIN2-q-FP	GAAGAATGCTATGACCAGAG
PIN2-q-RP	TTGTCGTGAGGAGGAATA
PIN3-q-FP	TTCGGAGGAGAACAACAA
PIN3-q-RP	TGGAATTGGAGCAAGTTT

<i>PIN7</i> -q-FP	GAGAATCATCATCATGTAGG
<i>PIN7</i> -q-RP	GGCTCCATTATCAACTTG
<i>Actin7</i> -q-FP	CCATTCAGGCCGTTCTTTC
<i>Actin7</i> -q-RP	CGTTCTGCGGTAGTGGTGA