Early globular stage Mid-globular stage Late globular/transition stage Embryo genotype IAA18/IAA18 iaa18-1/IAA18 IAA18/IAA18 iaa18-1/IAA18 IAA18/IAA18

5/13 (38%)

5/38 (13%)

Table S4. Frequency of asymmetric PIN1:GFP expression in wild-type and iaa18-1/IAA18 embryos*

1/22 (5%)

0/12 (0%)

Experiment 1[†]

Evneriment 2[†]

and P_{wis} :DsRED markers in these lines were not analyzed.

Experiment E	0/ 12 (0 /0)	3/30 (13/0)	0/15 (0/0)	0,23 (33 /0)	0/11 (0/0)	17 1 (23 70)
Experiment 3 [†]	0/27 (0%)	3/17 (18%) [†]	0/26 (0%)	7/18 (39%) [†]	0/17 (0%)	2/4 (50%) [†]
Total	1/61 (2%)	13/68 (19%)	0/68 (0%)	21/52 (40%)	0/33 (0%)	4/11 (36%)
*Shown are numbers of embryos with asymmetric PIN1:GFP expression over number of embryos observed, and calculated percentages (in parentheses).						
tln avnariments 1 and 2 nallan	from wild type or issale 1 homes	racus plants was used to poll	inata hamazugayıs markar li	inac that wore wild tune at IAA	10 In avnariment 2 a pla	nt homozugous for

0/23 (0%)

0/19 (0%)

6/11 (55%)

8/23 (35%)

0/5 (0%)

0/11 (0%)

iaa18-1/IAA18

1/3 (33%)

1/4 (25%)

In experiments 1 and 2, pollen from wild-type or iaa18-1 homozygous plants was used to pollinate homozygous marker lines that were wild-type at IAA18. In experiment 3, a plant homozygous for experiment 1. we used a Pown:PIN1:GFP Post, REV:Venus Pow, Rev:Ven

P_{PN1}:PIN1:GFP and heterozygous for iaa18-1/iaa18-1 was selfed, and 'iaa18-1/+' embryos were therefore actually a mixture of wild-type, iaa18-1/iAA18 and iaa18-1/iaa18-1 genotypes in roughly 1:2:1 ratio. In