

**Supplementary table S2**

cell type	sample size		average		median		1 <sup>st</sup> quartile		3 <sup>rd</sup> quartile	
	polar.	posit.	polar.	posit.	polar.	posit.	polar.	posit.	polar.	posit.
inner cells	1004	948	1.03	0.87	0.8	0.6	0.8	0.57	0.8	0.79
outer cells	2196	2252	4.15	3.96	5.23	4.08	2.61	3.82	5.23	4.32

Table S2: Statistics of CDX2 expression in simulations of trophoderm specification in cell polarity-based (gray columns) and position-based (white columns) models from 100 simulations.