

SUPPLEMENTARY TABLE

Cell scoring by marker and cell type. For each marker, the columns display the mean number of positive nuclei +/- s.e.m. (#), the mean percentage of DAPI⁺ nuclei +/-s.e.m. (%), the number of embryos stained for each marker (n), and the cell type(s) that are stained by each marker (cell type). Only the average value without s.e.m. is shown for DPF12 since n=2 at that timepoint.

* The number of OCT4^{LO} cells at DPF6 was calculated by subtracting the number of OCT4^{HI} cells from the number of DAPI cells.

** The GATA6 values indicated refer to counts for GATA6^{HI} cells. At DPF6 only, all TE cells were GATA6^{LO}, as indicated in the text and shown in Figure 1. For clarity we have not included this information in the table below, but list the mean number of GATA6^{LO} nuclei as estimated by calculation here instead: 255+/-35, n=7.

*** The number of CDX2⁺ cells at DPF6 was calculated by subtracting the number of OCT4^{HI} cells from the number of DAPI cells since CDX2 staining was observed in all non-ICM cells and the predominantly extra-nuclear and variable staining prevented thresholding.

DAPI				
DPF	#	%	n	cell type
6	267 +/-37	100 +/-14	8	all
8	268 +/-8	100 +/-3	4	all
10	890 +/-226	100 +/-25	4	all
12	892	100	2	all
OCT4-HI				
DPF	#	%	n	population
6	25 +/-3	10 +/-2	8	ICM
8	28 +/-7	11 +/-3	4	Epi
10	71 +/-11	10 +/-2	4	Epi
12	108	13	2	Epi
OCT4-LO				
DPF	#	%	n	population
6*	243 +/-37	90 +/-2	8	TE
8	12 +/-3	5 +/-1	4	ysTE
10	34 +/-18	3 +/-1	4	ysTE
12	9	1	2	ysTE
GATA6**				
DPF	#	%	n	population
6**	14 +/-2	6 +/-2	7	ICM
8	23 +/-6	9 +/-2	4	PE+ysTE
10	95 +/-29	11 +/-2	4	PE+ysTE
12	54	6	2	PE+ysTE
CDX2				
DPF	#	%	n	population
6***	233 +/-39	91 +/-2	5	TE
8	88 +/-27	33 +/-10	4	TE+ysTE
10	26 +/-5	4 +/-2	4	ysTE
12	18	2	2	ysTE
GATA3				
DPF	#	%	n	population
6	248 +/-73	86 +/-3	3	TE
8	140 +/-18	52 +/-7	4	TE+ysTE
10	336 +/-99	38 +/-4	4	TE+ysTE
12	328	38	2	TE+ysTE