

Accessory Publication**Table S1. Data analysis experiment 2: one-way ANOVA with Tukey–Kramer multiple comparison test**

CDX2			OCT4		
Comparison		P-value	Comparison		P-value
GV vs MII	*	P<0,05	GV vs MII	ns	P>0,05
GV vs 5-8C	***	P<0,001	GV vs 5-8C	ns	P>0,05
GV vs M	***	P<0,001	GV vs M	***	P<0,001
GV vs B	***	P<0,001	GV vs B	***	P<0,001
GV vs HB	***	P<0,001	GV vs HB	***	P<0,001
MII vs 5-8C	***	P<0,001	MII vs 5-8C	ns	P>0,05
MII vs M	***	P<0,001	MII vs M	***	P<0,001
MII vs B	***	P<0,001	MII vs B	***	P<0,001
MII vs HB	***	P<0,001	MII vs HB	***	P<0,001
5-8C vs M	ns	P>0,05	5-8C vs M	***	P<0,001
5-8C vs B	ns	P>0,05	5-8C vs B	***	P<0,001
5-8C vs HB	*	P<0,05	5-8C vs HB	***	P<0,001
M vs B	ns	P>0,05	M vs B	ns	P>0,05
M vs HB	*	P<0,05	M vs HB	ns	P>0,05
B vs HB	*	P<0,05	B vs HB	ns	P>0,05
SOX2			GATA6		
Comparison		P-value	Comparison		P-value
GV vs MII	ns	P>0,05	GV vs MII	ns	P>0,05
GV vs 5-8C	***	P<0,001	GV vs 5-8C	***	P<0,001
GV vs M	***	P<0,001	GV vs M	***	P<0,001
GV vs B	***	P<0,001	GV vs B	***	P<0,001
GV vs HB	***	P<0,001	GV vs HB	***	P<0,001
MII vs 5-8C	***	P<0,001	MII vs 5-8C	**	P<0,01
MII vs M	***	P<0,001	MII vs M	***	P<0,001
MII vs B	***	P<0,001	MII vs B	***	P<0,001
MII vs HB	***	P<0,001	MII vs HB	***	P<0,001
5-8C vs M	*	P<0,05	5-8C vs M	***	P<0,001
5-8C vs B	ns	P>0,05	5-8C vs B	**	P<0,01
5-8C vs HB	ns	P>0,05	5-8C vs HB	*	P<0,05
M vs B	*	P<0,05	M vs B	*	P<0,05
M vs HB	ns	P>0,05	M vs HB	*	P<0,05
B vs HB	ns	P>0,05	B vs HB	ns	P>0,05

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Comparison		P-value
GV vs MII	ns	P>0,05
GV vs 5-5-8C	ns	P>0,05
GV vs M	**	P<0,01
GV vs B	***	P<0,001
GV vs HB	***	P<0,001
MII vs 5-8C	ns	P>0,05
MII vs M	**	P<0,01
MII vs B	***	P<0,001
MII vs HB	***	P<0,001
5-8C vs M	*	P<0,05
5-8C vs B	***	P<0,001
5-8C vs HB	***	P<0,001
M vs B	ns	P>0,05
M vs HB	**	P<0,01
B vs HB	*	P<0,05

GV, germinal vesicle oocyte; MII, metaphase II oocyte; 5-8 C, 5- to 8-cell; M, compact morula; B, blastocyst; HB, hatching blastocyst; ns, not significant.