

SUPPLEMENTARY TABLE S3. BLASTOCYST-FORMATION RATE AND *NANOG*- AND *GATA4*-POSITIVE CELLS
(STAGE-SPECIFIC INHIBITION OF TRANSFORMING GROWTH FACTOR β PATHWAY WITH SB)

<i>Conditions</i>	<i>No. of two-cell embryos</i>	<i>Blastocyst-formation rate (%)</i>	<i>No. of embryos stained</i>	<i>Nanog</i>	<i>Gata4</i>
5 μM SB421542					
Control	54	87.03	40	(8.80 \pm 2.68) ^{a,b,c}	(10.90 \pm 3.73)
DMSO Control	19	73.68	13	(8.30 \pm 2.95) ^{d,e,f}	(10.00 \pm 4.84)
Two-cell onward	48	91.66	41	(13.19 \pm 3.32) ^{a,d}	(9.63 \pm 4.59)
Four-cell onward	48	93.75	40	(12.15 \pm 3.60) ^{b,f,g}	(9.72 \pm 4.29) ⁱ
Morula onward	49	83.67	35	(14.57 \pm 4.32) ^{c,e,g,h}	10.94 \pm 4.31
Early blastocyst onward	15	100	14	(10.64 \pm 1.94) ^h	(12.85 \pm 4.92) ⁱ
10 μM SB421542					
Control	40	85	26	(9.42 \pm 2.61) ^{a,b,c}	10.42 \pm 4.13
DMSO Control	14	85.71	5	(6.6 \pm 3.50) ^{d,e,f}	7.2 \pm 2.16
Two-cell onward	42	85.71	30	(12.03 \pm 2.93) ^{a,d,g}	8.03 \pm 2.91
Four-cell onward	42	92.85	29	(13.24 \pm 4.05) ^{b,e,h}	7.86 \pm 2.81
Morula onward	44	88.63	32	(12.93 \pm 3.88) ^{c,f,i}	8.40 \pm 3.99
Early blastocyst onward	14	92.85	10	(8.3 \pm 2.62) ^{g,h,i}	7.7 \pm 2.16
20 μM SB421542					
Control	86	87.20	69	(8.76 \pm 3.12) ^{a,b,c}	(9.89 \pm 4.81) ^g
DMSO Control	25	80	18	(8.72 \pm 3.96) ^d	(7.00 \pm 3.39) ^h
Two-cell onward	68	98.52	60	(11.13 \pm 3.80) ^{a,e}	(4.80 \pm 3.24) ^{g,i,j,k}
Four-cell onward	68	89.70	55	(10.76 \pm 3.69) ^{b,f}	(8.09 \pm 3.85) ^{i,l}
Morula onward	74	91.89	58	(13.56 \pm 4.30) ^{c,d,e,f,g}	(8.62 \pm 3.97) ^{j,m}
Early blastocyst onward	26	96.15	24	(11.00 \pm 2.43) ^g	(11.45 \pm 4.45) ^{h,k,l,m}

Values with same superscript (within a same group) show significant difference. $P < 0.05$ considered significant.