

SUPPLEMENTARY TABLE S2. BLASTOCYST-FORMATION RATE AND *NANOG* AND *GATA4* COUNTS
IN EMBRYOS TREATED WITH DIFFERENT DOSES OF DIFFERENT MOLECULES

Groups	No. of two-cell embryos	Blastocyst-formation rate (%)	No. of stained embryos	<i>Nanog</i>	<i>Gata4</i>
SB431542 dose response					
Control	31	93.54	24	(9.08 ± 3.32) ^{a,b,c}	(11 ± 4.28) ^g
5 μM SB	31	83.87	22	(14.09 ± 4.19) ^a	(9.3 ± 3.47)
10 μM SB	31	90.32	24	(13.75 ± 3.13) ^b	(8.83 ± 2.16)
20 μM SB	31	96.77	25	(13.04 ± 4.03) ^c	(7.88 ± 2.48) ^g
Activin A dose response					
Control	31	90.32	28	(8.25 ± 3.98) ^{a,b}	6.9 ± 3.64
10 ng/mL	27	81.48	21	6.47 ± 3.108	8.42 ± 2.90
25 ng/mL	27	85.18	25	(5.36 ± 2.21) ^a	6 ± 3.18
100 ng/mL	27	85.18	23	(5.08 ± 2.50) ^b	6.43 ± 3.59
LIF dose response					
Control	33	84.84	26	7.11 ± 3.21	(7.11 ± 3.24) ^a
100 U/mL	30	80	20	6.35 ± 2.66	8.7 ± 4.06
2,000 U/mL	30	90	22	6.09 ± 2.42	9.81 ± 3.87
3,000 U/mL	30	80	23	8.043 ± 2.09	(11.52 ± 3.75) ^a
Forskolin dose response					
Control	30	93.33	26	7.11 ± 3.21	(7.11 ± 3.24) ^{a,b}
5 μM	30	90	24	7.5 ± 2.43	(9.29 ± 2.8) ^{a,c,d}
30 μM	30	80	21	6.61 ± 2.13	6.85 ± 3.17) ^{c,e}
50 μM	30	80	17	7.11 ± 2.95	(2.94 ± 2.04) ^{b,d,e}
DMSO dose response					
Control	51	86.27	41	(9.58 ± 3.10) ^a	(9.36 ± 4.37) ^{b,c,d}
0.1% DMSO	42	88.09	36	8.02 ± 3.14	(8.75 ± 3.56) ^{e,f}
0.2% DMSO	42	90.47	34	8.52 ± 2.86	(7.79 ± 4.31) ^g
0.3% DMSO	42	88.09	29	7.55 ± 3.43	(6.79 ± 3.55) ^b
0.5% DMSO	46	89.13	38	(7.36 ± 3.27) ^a	(5.6 ± 3.38) ^{c,e}
1% DMSO	40	20	8	9.87 ± 4.51	(2.62 ± 2.26) ^{d,f,g}

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