

Table S2. Summary of the number of embryos tested and the number of experiments performed for each condition.

Experiment	Condition	No. Injected Embryos	No. Uninjected Embryos	No. experiments
<i>Ccna2</i> knockdown	<i>Ccna2</i> -MO 0.75 mM	94	65	8
	<i>Ccna2</i> -MM 0.75 mM	75	101	9
<i>Ccna2</i> -MO Immunocytochemistry	<i>Ccna2</i> -MO 0.75 mM	26	28	3
<i>Ccna2</i> "gene dosage"	<i>Ccna2</i> -MO, 0.5 mM	39	30	3
	<i>Ccna2</i> -MO, 0.25 mM	50	29	3
<i>Oct4</i> knockdown	<i>Oct4</i> -MO, 0.60 mM	41	37	4
	<i>Oct4</i> -MM, 0.60 mM	57	30	3
	<i>Oct4</i> -MO, 0.40 mM	79	25	3
	<i>Oct4</i> -MO, 0.20 mM	63	30	3
	<i>Oct4E4</i> -MO, 0.60 mM	35	30	3
	<i>Oct4E4</i> -MM, 0.60 mM	32	30	3
<i>Oct4</i> -MO Immunocytochemistry	<i>Oct4</i> -MO, 0.60 mM	32	22	3
	<i>Oct4</i> -MM, 0.60 mM	20	20	3
Rescue	0.036µg/µl <i>Oct4</i> mRNA+ 0.60mM <i>Oct4</i> -MO	32	30	3
	0.036µg/µl <i>EYFP</i> mRNA + 0.60mM <i>Oct4</i> -MO	72	30	3
Overexpression	0.09µg/µl <i>Oct4</i> mRNA	24	20	3
	0.036µg/µl <i>Oct4</i> mRNA	33	25	3
	3.6ng/µl <i>Oct4</i> mRNA	35	30	3
	0.09µg/µl <i>EYFP</i> mRNA	41	20	2
<i>Oct4</i> -MO/Conditioned Media	<i>Oct4</i> -MO, 0.60 mM, conditioned media	20	20	2
	<i>Oct4</i> -MO, 0.60 mM, unconditioned media	20	20	2
<i>Ccna2</i> -MO gene chip	<i>Ccna2</i> -MO, 0.75 mM	60	60	3
<i>Oct4</i> -MO gene chip	<i>Oct4</i> -MO, 0.6 mM	60	60	3
<i>Oct4</i> -MO single embryo QPCR	<i>Oct4</i> -MO, 0.60 mM, 2-cell stage	14-20	14-20	3-5
	Control-MO, 0.60 mM, 2-cell stage	5-10	n/a	2