

Supporting Information

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Table S1. Antibodies and conditions for immunohistochemistry

Antigen	Antibody type	Source (catalog no.)	Concentration	Fixative used	Blocking conditions	Detection method	Additional notes
BrdU	Rat monoclonal	Accurate Chemical and Scientific	1:200	4% PFA	1% BSA in PBS 1 h	Fluorescence	Treat with 3.5 N HCl for 2 min following antigen retrieval
Mouse vasa homolog (MVH; DDX4)	Goat polyclonal	R&D Systems (AF2030)	1:500	4% PFA	1% BSA in PBS 1 h	Fluorescence	
Ki-67	Mouse monoclonal	BD Pharmigen (550609)	1:100	4% PFA	1% BSA in PBS 1 h	Fluorescence	
5-methylcytosine (5-meC)	Rabbit polyclonal	Calbiochem	1:500	4% PFA	1% BSA in PBS 1 h	Fluorescence	Treat with 3.5 N HCl for 12 min following antigen retrieval
Neonatal ovary homeobox (NOBOX)	Rabbit polyclonal	Abcam (ab41612)	1:100	Bouin's solution	2.5% horse serum 30 min	Colorimetric	
Nanog homeobox (NANOG)	Rabbit polyclonal	Bethyl Laboratories (IHC-00205)	1:200	Bouin's solution	2.5% horse serum 30 min	Colorimetric	
Developmental pluripotency associated 3 (DPPA3)	Rabbit polyclonal	Abcam (ab19878)	1:200	4% PFA	2.5% horse serum 30 min	Fluorescence and colorimetric	
Sry-box containing 2 (SOX2)	Rabbit monoclonal	Cell Signaling Technology (37285)	1:50	4% PFA	1% BSA in PBS 1 h	Fluorescence	
Octamer binding 4 (OCT4; POU5F1)	Mouse monoclonal	BD Transduction Labs (611203)	1:100	4% PFA	2.5% horse serum 30 min	Colorimetric	

Table S2. Primer sequences for quantitative RT-PCR

Gene	Forward primer sequence	Reverse primer sequence	PrimerBank ID
<i>Nanos2</i>	AACTTCTGCAAGCACAATGG	CCGAGAAGTCATCACCAG	(1)
<i>Mvh (Ddx4)</i>	GCTTCATCAGATATTGGCGAGT	GCTTGGAAAACCTCTGCTT	33859536a1
<i>Hprt</i>	TCAGTCAACGGGGACATAAA	GGGGCTGTACTGCTTAACCAG	7305155a1
<i>Figla</i>	CAGTGGCAGACCCTCTGAC	CTGTGCTCTGATGGTAGCTGT	6753876a2
<i>Oct4 (Pou5f1)</i>	CAGCCAGACCACCATCTGTC	GTCTCCGATTTGCATATCTCCTG	7305399a3
<i>Nanog</i>	CCTGATTCTTCTACCACTCCA	GGCCTGAGAGAACACAGTCC	31338864a3
<i>Sox2</i>	GCGGAGTGGAACTTTTGTC	CGGGAAGCGTACTTATTCCTT	31543759a1
<i>Dppa3</i>	GACCCAATGAAGGACCCTGAA	GCTTGACACCGGGTTTAG	21218416a1

1. Tsuda M, et al. (2003) Conserved role of nanos proteins in germ cell development. *Science* 301:1239–1241.