

Table S2. List of primer pairs and restriction enzymes used in single-cell RT-PCR

	forward	reverse	PCR product size	restriction enzyme	restriction fragments
<i>Xist</i> exon1	5'-CTAAACTCAGCCCGTTCCA-3'	5'-GCAACCCAGCAATAGTCAT-3'	217bp (dom) 225bp (mol)	SpeI	217bp (dom) 117, 48bp (mol)
<i>Xist</i> exon 7	5'-GCCCAGGTCACATTATGGTT-3'	5'-CTCCAATTTCTGGGCTCAAG-3'	232bp (dom) 241bp (mol)	SacI	232bp (dom) 197, 44bp(mol)
<i>Tsix</i>	5'-TGGGTCATTGGCATCTTAGTC-3'	5'-CCCAGGGTGTCTGATCTCTT-3'	250bp	Alw26I	159, 91bp (dom) 250bp (mol)
<i>Np15</i>	5'-CTCCGACAGTACAAGCTGTCA-3'	5'-CCATGAAAGTCAGGTTCTTC-3'	237bp	PvuII	237bp (dom) 148, 89bp (mol)
<i>Hprt</i>	5'-TGTGGCCATCTGCCTAGTAA-3'	5'-CAGCCAACACTGCTGAAACA-3'	399bp	HinfI	314, 85bp (dom) 399bp (mol)
<i>Fmr1</i>	5'-CTTAACACTTCAGGCAGGA-3'	5'-CTTCCTGAACTCTGCATCC-3'	379bp	RsaI	379bp (dom) 273, 106bp (mol)
<i>G6pd</i>	5'-TTCTAGTTCCTGGCTTGA-3'	5'-TTAATGGCAGGTTGGGATA-3'	568bp	DraI	473, 95bp (dom) 568bp (mol)
<i>Zfp261</i>	5'-GAGCAGACTCCTATTGTGAG-3'	5'-AGGGAGGCAGCTTACAGAGG-3'	125bp	DdeI	125bp (dom) 99, 26bp (mol)
<i>Rex3</i>	5'-TAGATGGGACCTGATGCAGA-3'	5'-GAAGCTGGTAACAGGGAGAGA-3'	296bp	BsrGI	241, 55bp (dom) 183, 58, 55bp (mol)
<i>Fgd1</i>	5'-TCACACAAAGCCACCTAAGC-3'	5'-ATTGACTGCATTGGGAGTGG-3'	301bp	HhaI	243, 58bp (dom) 301bp (mol)
<i>Pdha1</i>	5'-TTCCAGCGATATGCTGACTTT-3'	5'-TGGCAAGGCATGAAGTGATA-3'	481bp	TaqI	481bp (dom) 351, 130bp (mol)
<i>Stella</i>	5'-GAGCCATTACAGATGTCTC-3'	5'-CACATAAATCTGGATCGTTGTG -3' 5'-CACATAAATCCGtATCTTTGTG-3'	238bp		
<i>Oct4</i>	5'-GTTCCAGCCAGACCACCATCT-3'	5'-TGGGAAAGGTGTCCTGTAG-3'	385bp		
<i>Mvh</i>	5'-GCCAGAGGGCTTGATATTGA-3'	5'-CAACTGGATTGGGAGCTTGT-3'	370bp		