

Supplemental Table 3

Gene ID	Gene name	TLEN (bp)	HISTONE COVERAGE	MAX PEAK	First expression (Graf et al., 2014)
NM_001206018	<i>TRIM33</i>	14265	0.1903	52.6	Blastocyst
NM_001035096	<i>FBXL20</i>	11383	0.7438	24.3	8-cell
NM_001192817	<i>MYCBP2</i>	27425	0.0842	23.1	Blastocyst
NM_001076287	<i>GPBP1</i>	6618	0.0475	17.3	Blastocyst
NM_001083425	<i>HIST1H1C</i>	446	1.6771	15.6	16-cell
NM_174815	<i>YBX1</i>	2278	0.317	15	8-cell
NM_001075489	<i>ZW10</i>	3735	0.0314	11.4	16-cell
NM_001192946	<i>PTPN4</i>	15637	0.0029	5.8	16-cell
NM_001101264	<i>FERMT2</i>	7978	0.0006	2.4	Blastocyst
NM_001105471	<i>HAUS3</i>	1710	0.0088	2.3	Blastocyst
NM_001102036	<i>ZNF592</i>	5087	0.0035	2.1	8-cell
NM_001098999	<i>UBE4A</i>	4189	0.0034	1.7	8-cell
NM_001192701	<i>BARD1</i>	9474	0.0007	1.7	Blastocyst
NM_001192862	<i>FKBP5</i>	11855	0.0004	1.7	Blastocyst
NM_001076540	<i>TNPO1</i>	8998	0.001	1.6	16-cell
NM_001046122	<i>BCCIP</i>	1865	0.0008	1.6	8-cell
NM_001076126	<i>USP8</i>	5557	0.0014	1.4	16-cell
NM_001075594	<i>TOE1</i>	565	0.0173	1.3	8-cell
NM_001076317	<i>RAB8B</i>	7205	0.0003	1.2	8-cell
NM_001034237	<i>MED6</i>	2270	0.0005	1.1	8-cell
NM_001098880	<i>IQGAP3</i>	4266	0.0005	1	8-cell