

**Table S1: Details of primers used for quantitative PCR.** Genes of interest are known regulators of primordial follicle growth, survival or activation/recruitment. Ten potential endogenous control genes were also tested, with only *Hprt* able to be used in analyses (all other candidates were regulated by ethanol treatment). All primer assays were Assay-on-Demand primer/prober sets (Thermo Fisher Scientific, Waltham, MA, USA).

Gene name	Gene symbol	Assay ID	Amplicon size (bp)	Accession number(s)
<b><i>Genes of interest</i></b>				
BCL2 associated X, apoptosis regulator	<i>Bax</i>	Rn01480161_g1	63	NM_017059.2
BCL2 antagonist/killer 1	<i>Bak1</i>	Rn00587491_m1	64	NM_053812.1 XM_006256101.2
BCL2 apoptosis regulator	<i>Bcl2</i>	Rn99999125_m1	104	NM_016993.1
BCL2 like 1	<i>Bcl2l1</i>	Rn00437783_m1	65	NM_001033670.1 XM_006235265.2
BCL2 binding component3	<i>Bbc3</i>	Rn00597992_m1	62	NM_173837.2
Anti-mullerian hormone	<i>Amh</i>	Rn00563731_g1	92	NM_037034.1
Phosphatase and tensin homolog	<i>Pten</i>	Rn00477208_m1	73	NM_0361606.1
Serine/threonine kinase 11	<i>Stk11</i>	Rn01535544_m1	59	NM001108069.1 XM_006240910.1
Inhibin subunit alpha	<i>Inha</i>	Rn00561423_m1	58	NM_012590.2
C-X-C motif chemokine receptor 4	<i>Cxcr4</i>	Rn00573522_s1	58	NM_022205.3
C-X-C motif chemokine ligand 12	<i>Cxcl12</i>	Rn00573260_m1	60	NM_001033882.1 NM_001033883.1 NM_022177.3
<b><i>Putative endogenous control genes</i></b>				
Hypoxanthine phosphoribosyltransferase 1	<i>Hprt1</i>	Rn01527840_m1	64	NM_012583.2
Actin beta	<i>Actb</i>	Rn00667869_m1	91	NM_031144.3
Ribosomal protein L13	<i>Rpl13</i>	Rn00821258_g1	68	NM_031103.1
Ribosomal protein L19	<i>Rpl19</i>	Rn07318581_g1	106	NM_031103.1
Mitochondrial ribosomal protein L1	<i>Mrpl1</i>	Rn01443873_m1	169	NM_001105997.2 XM_008770009.1
Phosphoglycerate kinase 1	<i>Pgk1</i>	Rn01474008_gH	142	NM_053291.3
Succinate dehydrogenase complex flavoprotein subunit A	<i>SdhA</i>	Rn00590475_m1	59	NM_130428.1
Peptidylprolyl isomerase A	<i>Ppia</i>	Rn00690933_m1	149	NM_017101.1
Eukaryotic 18S ribosomal RNA	<i>18S</i>	Hs99999901_s1 <sup>a</sup>	187	X03205.1

<sup>a</sup> usable in rat samples.