

Table S4. Normalised gene expression in cultured bovine fetal fibroblast (*in vitro*, n = 4) and whole bovine fetal ovaries (*in vivo*, n = 5) at 13-28 weeks of gestation.

Genes	<i>In vitro</i>	<i>In vivo</i>
<i>FBN3</i>	0.0009 ± 0.0002	0.008 ± 0.002
<i>GATA4</i>	0.136 ± 0.0212	0.004 ± 0.001
<i>HMGGA2</i>	0.0005 ± 0.0001	0.003 ± 0.0004
<i>TOX3</i>	0.005 ± 0.003	0.342 ± 0.037
<i>LHCGR</i>	0.0005 ± 0.0003	0.040 ± 0.003
<i>FSHB</i>	Not detected	0.004 ± 0.001
<i>DENND1A.X1,2,3,4</i>	0.022 ± 0.005	0.151 ± 0.026
<i>INSR</i>	0.0166 ± 0.004	0.044 ± 0.002
<i>FSHR</i>	Not detected	0.536 ± 0.046
<i>AMH</i>	0.0004 ± 0.0001	0.004 ± 0.0008
<i>AR</i>	0.012 ± 0.004	0.315 ± 0.024
<i>TGFB111</i>	0.231 ± 0.050	0.010 ± 0.0008
<i>C8H9orf3</i>	0.008 ± 0.001	0.061 ± 0.004
<i>RAB5B</i>	0.112 ± 0.024	0.052 ± 0.008
<i>ERBB4</i>	0.002 ± 0.002	0.057 ± 0.013
<i>YAPI</i>	0.330 ± 0.063	0.081 ± 0.005
<i>SUOX</i>	0.007 ± 0.002	0.073 ± 0.011
<i>RAD50</i>	0.043 ± 0.008	0.127 ± 0.023
<i>THADA</i>	0.0276 ± 0.007	0.096 ± 0.017
<i>KRR1</i>	0.025 ± 0.007	0.002 ± 0.0006

Data are presented as mean ± s.e.m.