

Accessory Publication

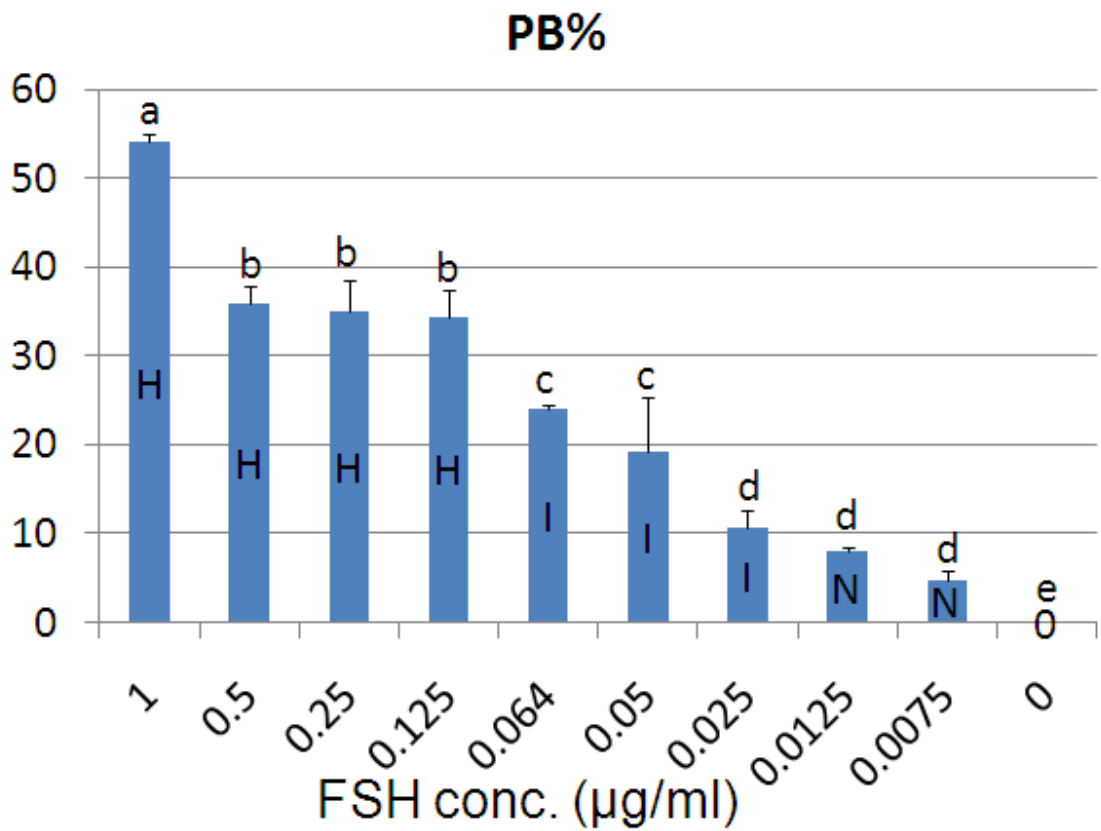


Fig. S1. Effect of different concentrations of FSH on cumulus expansion and polar body extrusion in porcine COCs matured for 44 h. H, homogeneous cumulus expansion; I, irregular cumulus expansion; N, no expansion. Columns carrying different superscripts are significantly differed when $P < 0.05$.

Table S1. Primer sequences and product size used for RT-PCR and real-time quantitative PCR

Gene	Sequence 5'-3'	Size (bp)	Accession no.
<i>KISS1</i>	F: GTGTGCGGAGAGAAAGCCCG R: GCTTCCGTAGCGCAGGCCG	212	NM_001134964.1
<i>KISS1R</i>	F: CCAGGCGGAAGGAGTGTTCATC R: GCGGAAACACAGTCACATACCAG	529	NM_001044624.1
<i>GNRHI</i>	F: GCCCAGAATGCAAGCTAAAG R: ACTGTGGCCTTGGTAAATGC	190	NM_214446.1
<i>GNRHR</i>	F: CATCTTTGCTGGACCACAGTTA R: AACTGCCATGTGTTACACATTG	101	NM_214273.1
<i>LHB</i>	F: TGCTCCAGAGACTGCTGTTG R: GCACAGATGCTGGTGGTAAA	157	NM_214080.1
<i>LHCGR</i>	F: TCCGAAAGCTTCCAGATGTT R: TGCATCTTCTTCAGGTGTGC	238	NM_214449.1
<i>MOS</i>	F: GGGAGCAACTGAACTTGGAG R: AGAATGTTCGCTGGCTTCAG	115	NM_001113219.1
<i>CCNB1</i>	F: CAACTGGTTGGTGTCACTGC R: TTCCATCTGCCTGATTTGGT	126	L48205.1
<i>GDF9</i>	F: CAGTCAGCTGAAGTGGGACA R: TGGATGATGTTCTGCACCAT	135	AY626786.1
<i>BMP15</i>	F: CCTCCATCCTTTCCAAGTCA R: GTGTAGTACCCGAGGGCAGA	112	NM_001005155.1
<i>BCL2L1</i>	F: CGTCCCAGCTCCACATCACC R: AGTGCCCCACCGAAGGAGAA	130	AF216205
<i>BAK1</i>	F: ATGACATCAACCGGCGATAC R: GGAGGCGATCTTGGTGAAGT	107	AJ001204
<i>GAPDH</i>	F: ACACTCACTCTTCTACCTTTG R: CAAATTCATTGTCGTACCAG	90	DQ845173.1

Table S2. Effect of different concentrations of Kp on % polar body extrusion in porcine oocytes matured at FSH threshold ($0.125 \mu\text{g mL}^{-1}$)

Values with different superscripts are considered statistically different at $P \leq 0.05$

Kp conc. (M)	PB extrusion (%)
0	17/49 (34.93) ^a
0.5×10^{-6}	28/47 (59.57) ^b
1×10^{-6}	28/46 (60.86) ^b
2×10^{-6}	30/50 (60) ^b
4×10^{-6}	28/48 (58.3) ^b

Table S3. Effect of different treatments on denuded oocytes cultured for 44 h in maturation medium

Values with different superscripts are considered statistically different at $P \leq 0.05$.

	FSH	FSH+KP	FSH+ Cumulus cells
PB extrusion %	(55/105) 52.38% ^a	(74/102) 72.54% ^b	(54/100) 54% ^a