

Tables 1-9

Table 1: Western blotting data.

Bonferroni multiple comparison test	Adjusted p-value	Summary
Control vs. 1 μ M	0.0244	*
Control vs. 5 μ M	0.0023	**
Control vs. 10 μ M	0.0020	**

Table 2. Summary of follicle distribution in ovaries *in vitro* cultured with 0-40 μ M BSJ. Data are represented as mean $\pm$ SEM. For all groups $n=3$. Data are analyzed with one-way ANOVA followed by Bonferroni correction. H&E images of whole and representative sections of the ovaries is shown in supplementary Figure S2 and S3.

	Control	1 μ M	5 μ M	10 μ M	20 μ M	30 μ M	40 μ M	p-value
Primordial follicle (%)	73.30 $\pm$ 0.59	75.04 $\pm$ 0.29	77.97 $\pm$ 0.58	77.30 $\pm$ 0.14	78.64 $\pm$ 0.17	79.91 $\pm$ 0.80	80.21 $\pm$ 1.06	<0.0001
Primary follicle (%)	19.87 $\pm$ 0.53	18.35 $\pm$ 0.78	16.10 $\pm$ 0.62	15.81 $\pm$ 1.01	13.57 $\pm$ 0.23	12.00 $\pm$ 0.50	11.89 $\pm$ 1.04	<0.0001
Secondary follicle (%)	6.84 $\pm$ 1.10	6.29 $\pm$ 1.25	5.94 $\pm$ 1.15	6.89 $\pm$ 1.03	7.90 $\pm$ 0.18	8.10 $\pm$ 0.30	7.90 $\pm$ 0.28	ns

Table 3. Summary of multiple comparison tests for primordial follicle. Statistically significant data are noted with asterisks, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$, ns: not significant.

Bonferroni multiple comparison test	Adjusted p-value	Summary
Control vs. 1 μM	0.3712	ns
Control vs. 5 μM	0.0005	***
Control vs. 10 μM	0.0022	**
Control vs. 20 μM	0.0002	***
Control vs. 30 μM	<0.0001	****
Control vs. 40 μM	<0.0001	****

Table 4. Summary of multiple comparison tests for primary follicle. Statistically significant data are noted with asterisks, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$, ns: not significant.

Bonferroni multiple comparison test	Adjusted p-value	Summary
Control vs. 1 μM	0.9588	ns
Control vs. 5 μM	0.0148	*
Control vs. 10 μM	0.0085	**
Control vs. 20 μM	0.0002	***
Control vs. 30 μM	<0.0001	****
Control vs. 40 μM	<0.0001	****

Table 5. Summary of multiple comparison tests for secondary follicle. Statistically significant data are noted with asterisks, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$, ns: not significant.

Bonferroni multiple comparison test	Adjusted p-value	Summary
Control vs. 1 μM	>0.9999	ns
Control vs. 5 μM	>0.9999	ns
Control vs. 10 μM	>0.9999	ns
Control vs. 20 μM	>0.9999	ns
Control vs. 30 μM	>0.9999	ns
Control vs. 40 μM	>0.9999	ns

Table 6: Number of apoptotic cells represented as mean $\pm$ SEM. $n = 4$.

	Control	1 μM	5 μM	10 μM
Apoptotic cells (%)	7.165 $\pm$ 1.196	12.19 $\pm$ 2.421	19.76 $\pm$ 2.356	19.89 $\pm$ 2.985

Table 7: TUNEL data

Bonferroni multiple comparison test	Adjusted p-value	Summary
Control vs. 1 μM	0.4604	ns
Control vs. 5 μM	0.0073	**
Control vs. 10 μM	0.0068	**

Table 8: ROS data represented as mean $\pm$ SEM. $n=6$.

	Control	1 μM	5 μM	10 μM
ROS levels (μM H_2O_2)	1046 $\pm$ 41.37	1298 $\pm$ 125.6	1699 $\pm$ 248.5	1734 $\pm$ 215.7

Table 9: ROS data.

Bonferroni multiple comparison test	Adjusted p-value	Summary
Control vs. 1 μM	>0.9999	ns
Control vs. 5 μM	0.0942	ns
Control vs. 10 μM	0.0756	ns

Table 10: Follicle and MII data.

	Control	5 μM	p-value
Antral follicle development	61.08 $\pm$ 2.029	58.06 $\pm$ 1.944	0.3417
Degenerated follicle development	21.47 $\pm$ 3.195	26.87 $\pm$ 5.135	0.4239
Survival rate	75.53 $\pm$ 3.195	73.13 $\pm$ 5.135	0.4230
MIH diameter	48.61 $\pm$ 0.3985	48.40 $\pm$ 0.3796	0.6984
MIH rate	61.08 $\pm$ 2.029	53.94 $\pm$ 4.217	0.2017