Supplementary Materials:

Supplementary Fig. 1 Graphical description of Mito-TEMPO or melatonin treatment in porcine oocyte maturation

Supplementary Fig. 2 Division of cumulus cells expansion in porcine COCs at 44 h of IVM.

The degree of expansion was assessed according to a subjective scoring system from 0 to 3 steps as follows: 0 step is no expansion, 1 step is separation of only the outermost layer of cumulus cell, 2 step is further expansion involving the outer half of the cumulus oophorus, 3 step is further expansion up to, complete expansion including the corona radiate cells.

Supplementary Fig. 3 Changes in antioxidant enzymes in maturing COCs after BPA treatment during porcine oocyte maturation. (A and B) The mRNA levels of antioxidant enzymes (A; Gpx1, Catalase, Sod1 and Sod2, B; Prdx1, Prdx2, Prdx3, Prdx4, Prdx5 and Prdx6) in porcine maturing COCs after BPA 75 μM treatment were measured using RT-PCR. Relative folds of the genes were obtained by normalizing the signals to Gapdh. Histograms represent the values of densitometry analysis obtained using ImageJ software. Data in the bar graph are presented as the means ± SEM of three independent experiments (per 30 COCs). Differences were considered significant at * p < 0.05, ** p < 0.01, *** p < 0.001 compared to the control group.