



Figure S1 Nuclear accumulation of histone lactylation and histone acetylation in mouse zygotes

a-e Zygotes at 2, 4, 6, 8 and 10 hpi were immunostained with antibodies against pan histone lactylation (**a**), H3K23la (**b**), H3K18la (**c**), H3K23ac (**d**) and H3K18ac (**e**). Pan histone lactylation, H3K23la and H3K18la were shown in green. H3K23ac and H3K18ac were shown in red. The DNA was stained with DAPI (Blue). More than 15 embryos were examined in each stage each condition. ♀ Female pronucleus; ♂ Male pronucleus. Scale bars: 20 μ m.