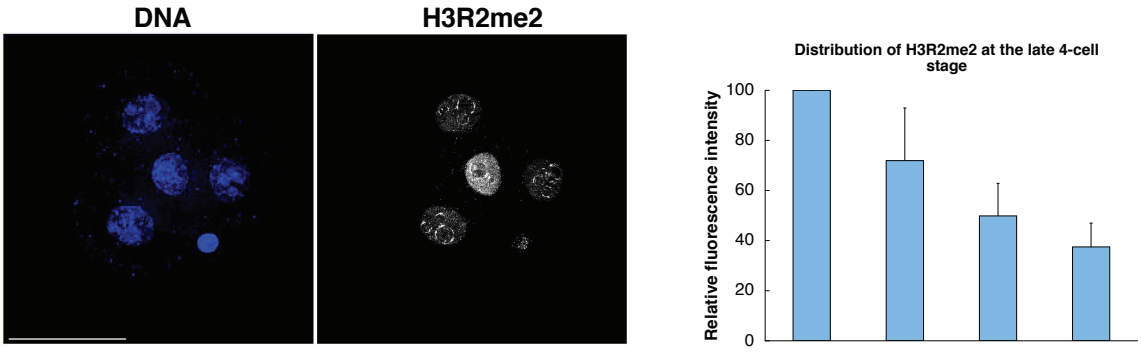

Figure S2. Levels of H3R2me2 are differentially distributed in the blastomeres of the 4-cell stage embryo. Freshly collected late four cell stage embryos were processed for immunostaining with the H3R2me2 antibody and scanned under confocal microscopy. Sections were taken every 0.8 μm. The levels of fluorescence were quantified in projections including all sections using the Volocity software and normalised against the blastomere showing the highest level, which was set at 100%. Decreasing values of fluorescence were calculated, normalised in each embryo and averaged accordingly (n=7). Each bar represents the relative fluorescence level of each of the 4-cell stage blastomeres. Shown is the projection of a representative embryo that include all sections, which were taken every 0.8 μm. DNA was stained with TOTO-3. Scale bar 50 μm.