

Supplementary Information's for

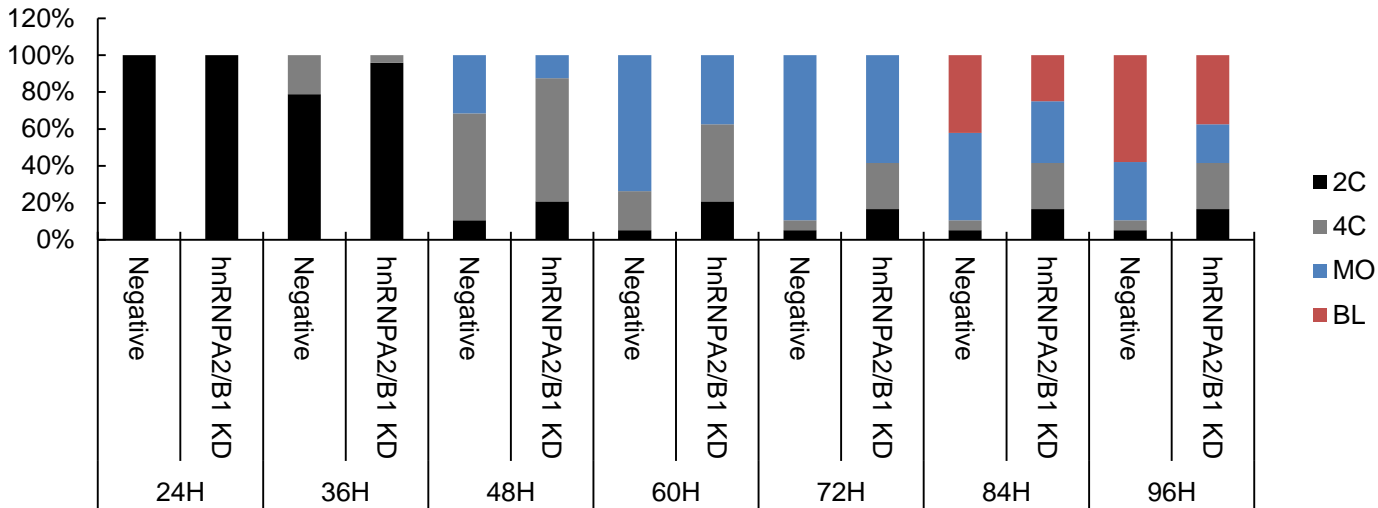
Functional roles of hnRNPA2/B1 regulated by METTL3 in mammalian embryonic development

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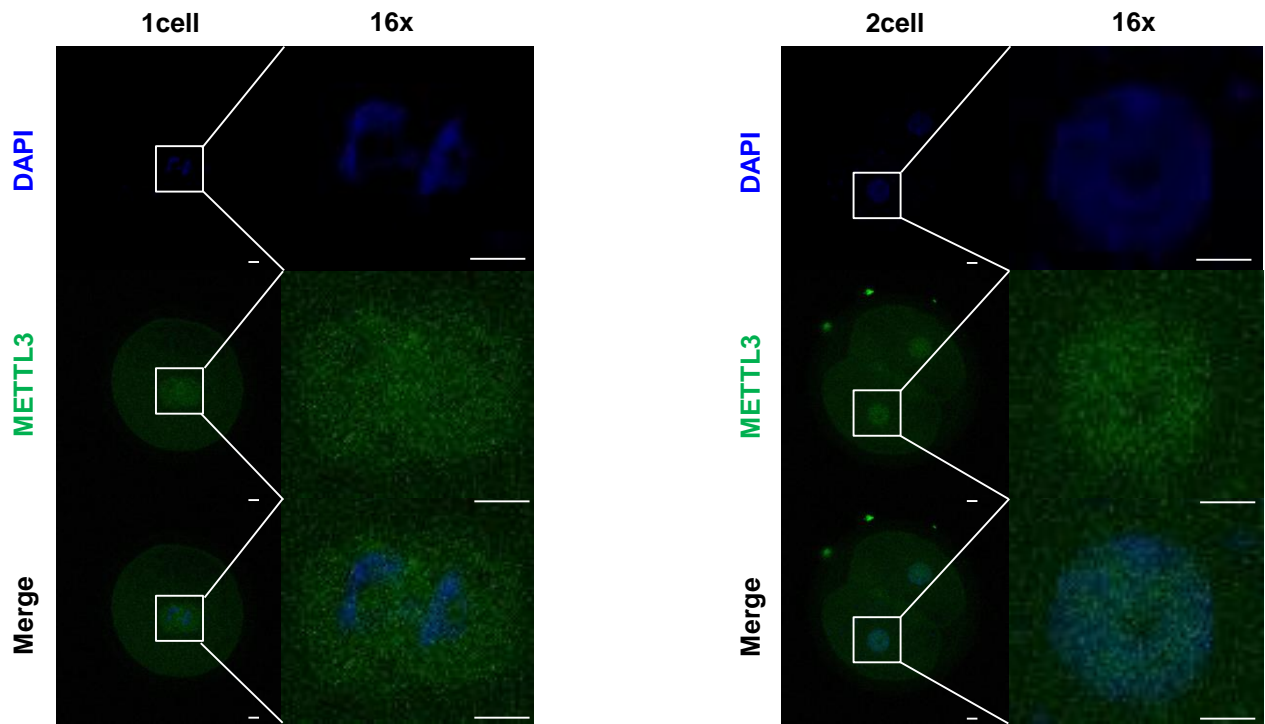
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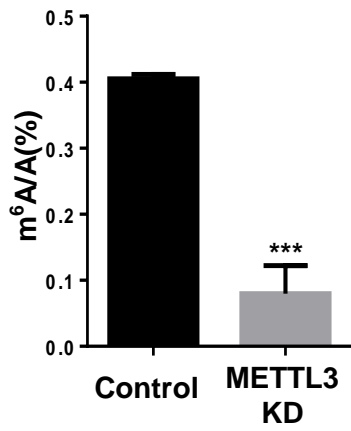
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Supplementary Figure 1. Developmental delay of hnRNPA2/B1 KD embryos. Developmental competence was observed by time-lapse microscopy at 24 h after injection of eGFP dsRNA (negative) and hnRNPA2/B1 dsRNA (hnRNPA2/B1 KD) into zygotes. Experiments were repeated three times for each group. Developmental stage was evaluated at the 2C, 4C, morula, and blastocyst stages and evaluated by chromatin status.



Supplementary Figure 2. Localization of METTL3 in 1cell and 2cell embryos using confocal microscopy. METTL3 localized at the nucleus during early embryo development. Scale bar = 10 μ m



Supplementary Figure 3. Quantification of m6A RNA methylation in control and METTL3 knockdown blastocysts. One hundred blastocysts were examined in each group for total RNA isolation.