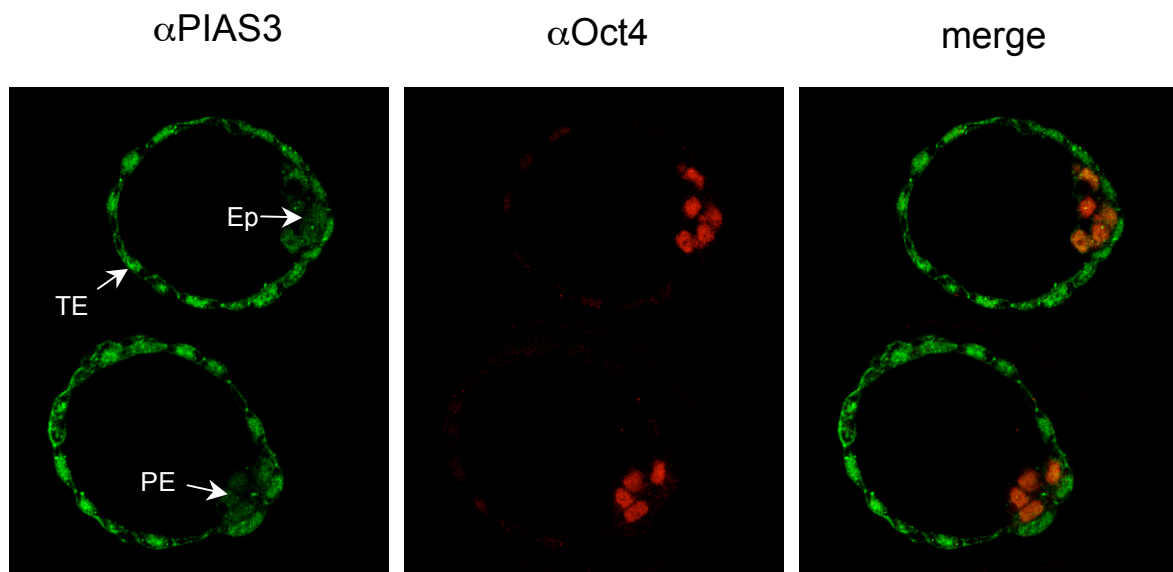
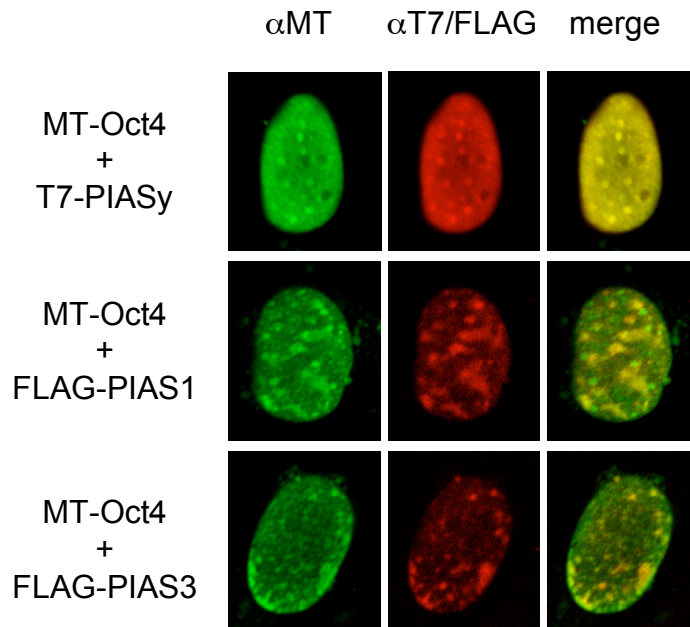


## **SUPPLEMENTARY FIGURES**

Tolkunova et al.



**Supplementary Figure 1.** Reciprocal expression of PIAS3 and Oct4 in 4.5 dpc expanded blastocyst. Like PIASy, PIAS3 (green) is expressed predominantly in the TE and Oct4 protein is restricted to the epiblast (Ep) and primitive endoderm (PE). Images were taken using a confocal microscope.



**Supplementary Figure 2.** Transfected as indicated on the left C2C12 cells were fixed 15 hrs after transfection (vs. standard 24 hrs) and immunostained with anti-MT (green) and anti-T7 or anti-FLAG tag antibodies (red). All three PIAS proteins show a significant co-localization with Oct4 protein. Interestingly, PIAS1, albeit capable to sequester Oct4 to the nuclear periphery, showed a non-overlapping staining pattern within C2C12 nuclei 24 hrs after transfection (see Figure 5I).