

Figure S1. Additional characterization of fluorescent dyes, related to Figure 1.

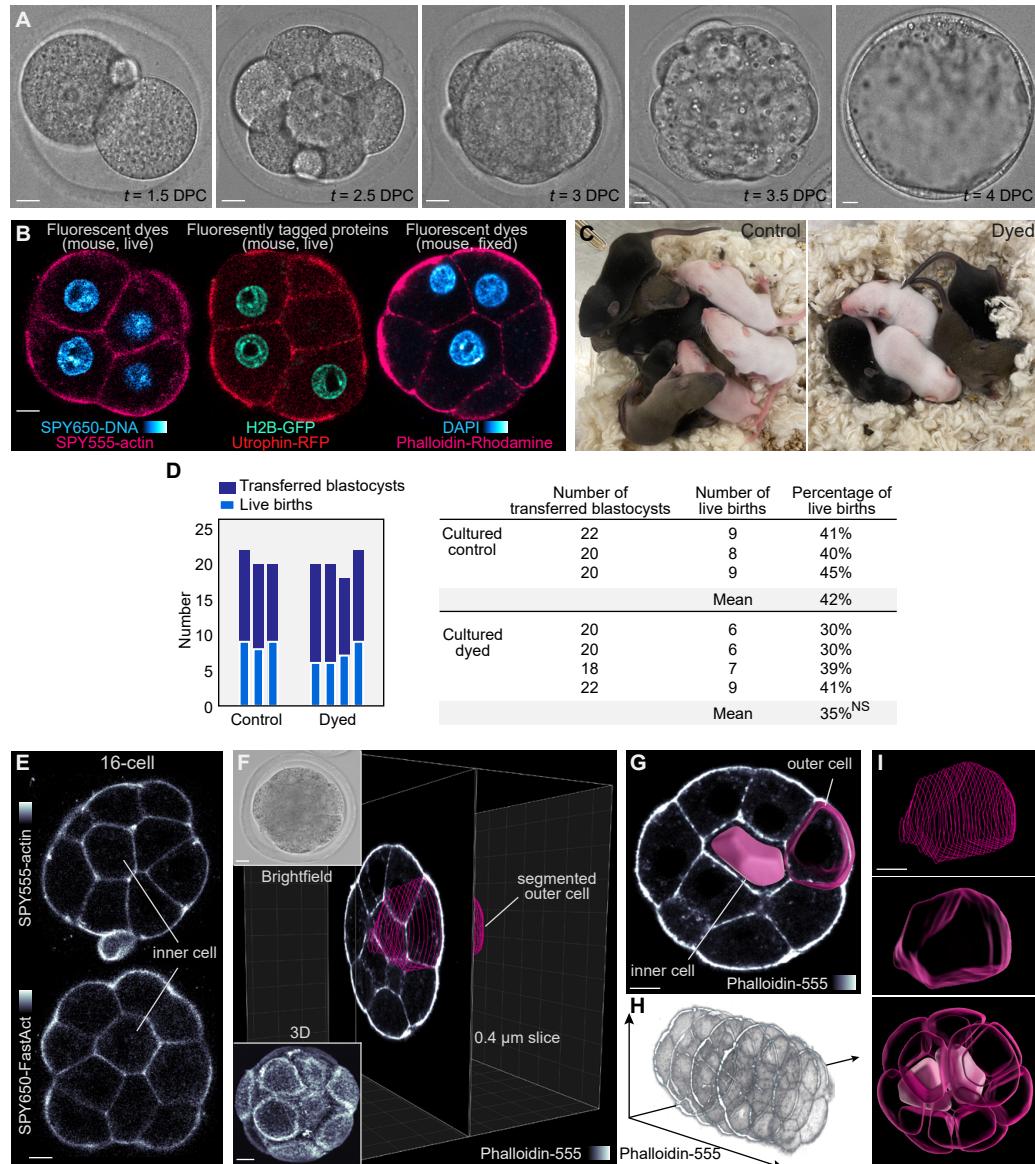


Figure S2. Embryos dyed with SPY555-DNA and SPY650-FastAct display normal actin ring expansion and zippering, related to Figure 1

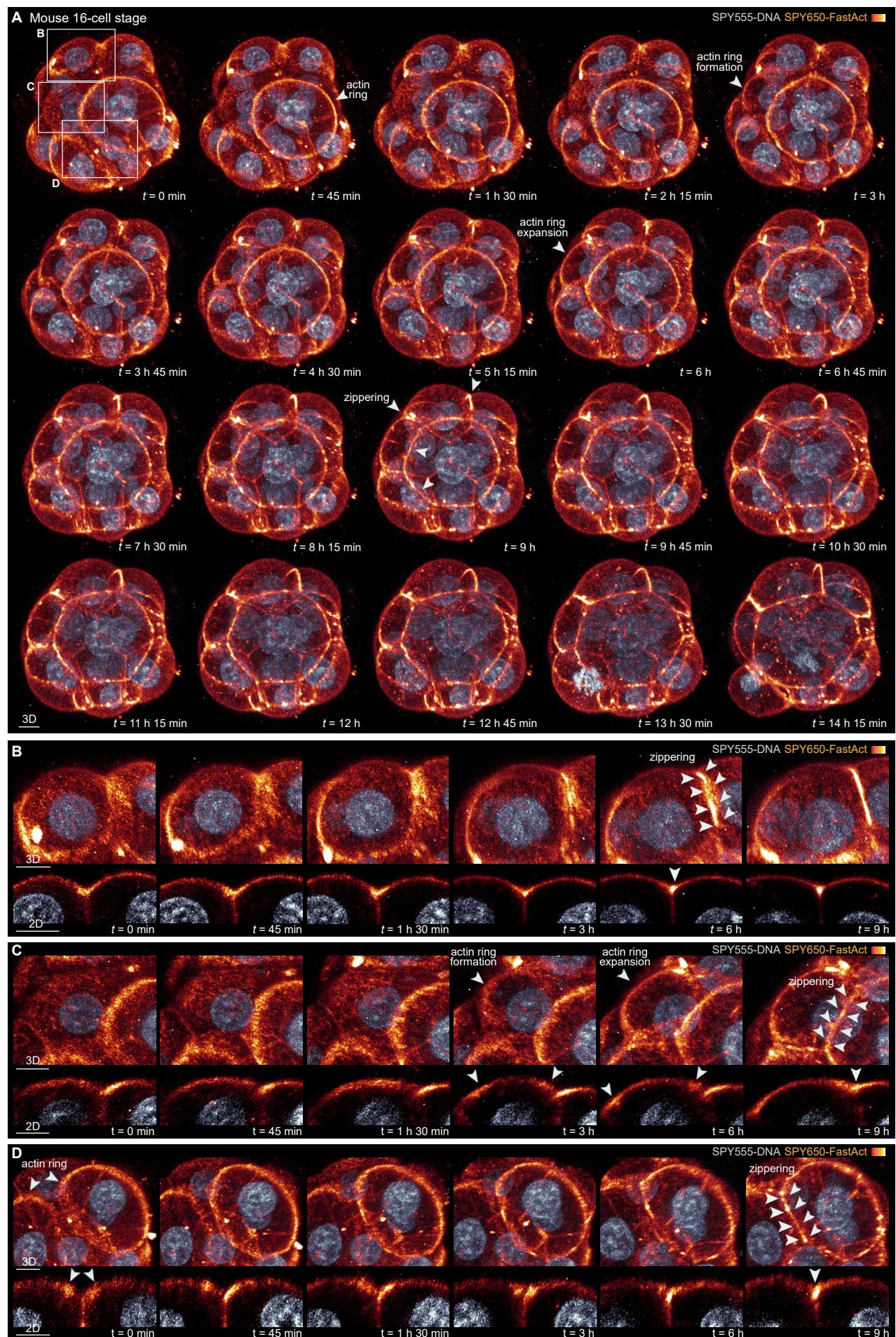


Figure S3. Compaction and early inner cell allocation in human embryos, related to Figure 2.

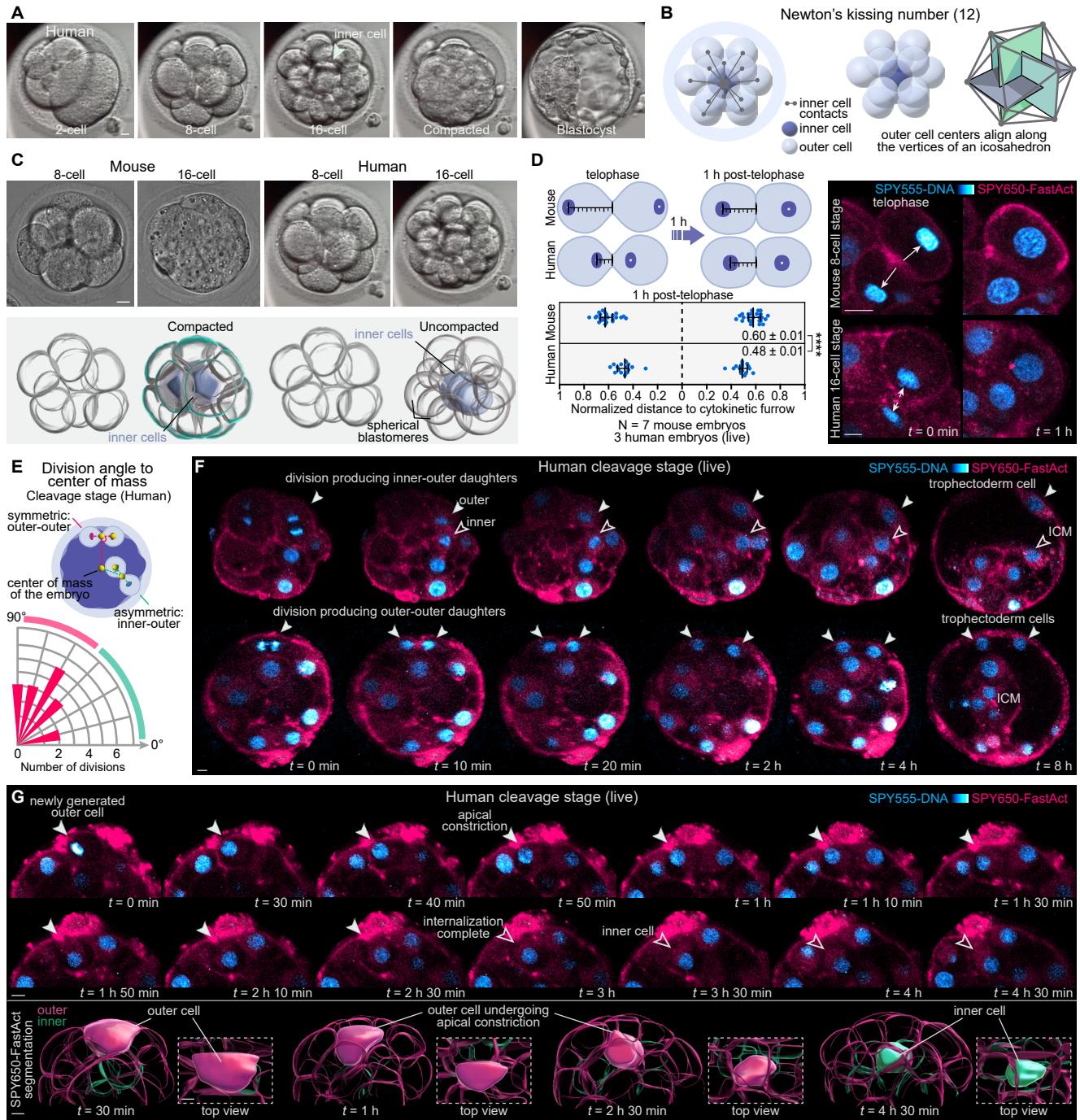


Figure S4. Analysis of blastocyst structures and chromosome segregation errors during mitosis in the living embryo, related to Figure 3 and Figure 4.

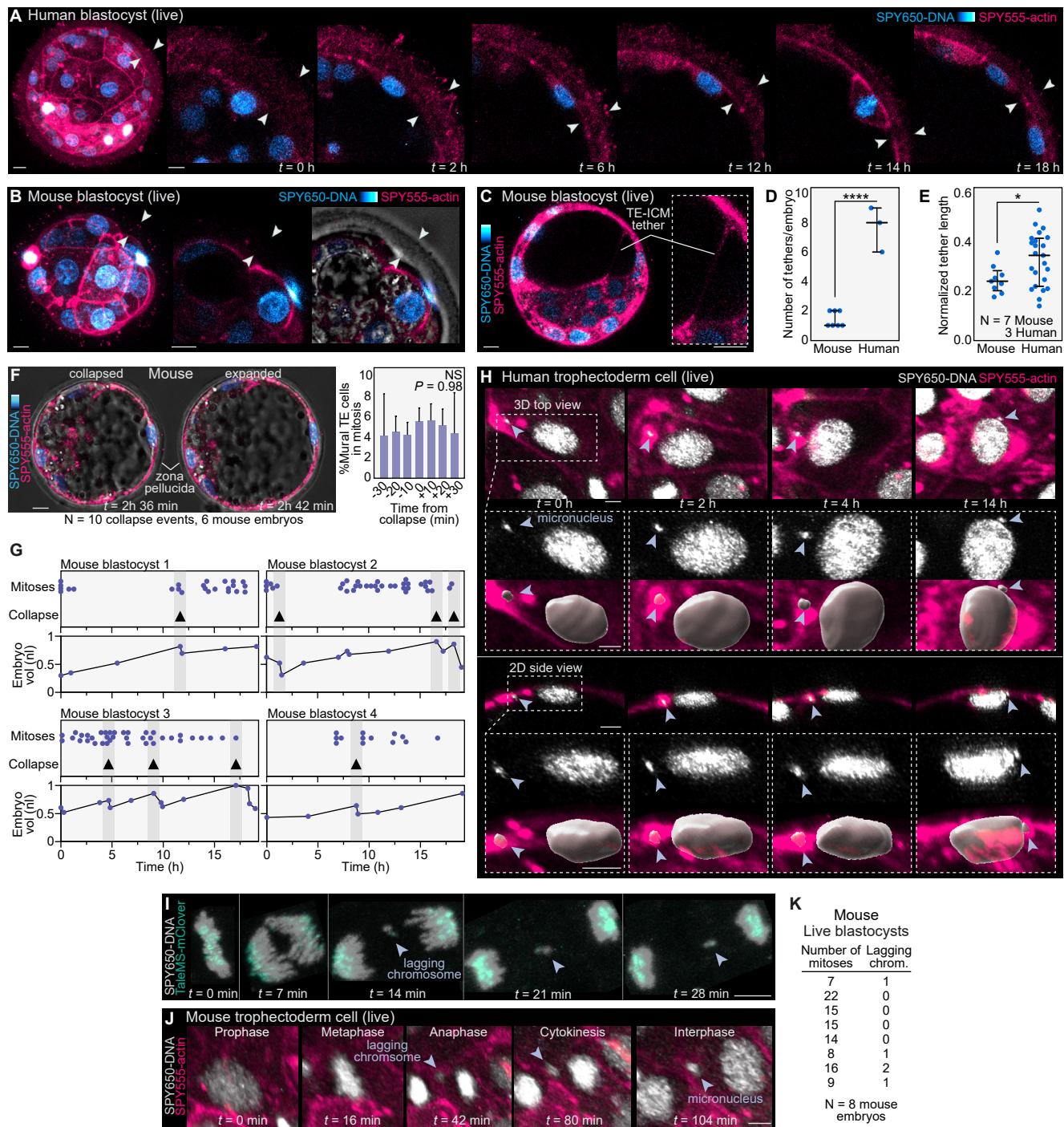


Figure S5. Additional characterization of nuclear buds and cytDNA structures, related to Figure 5.

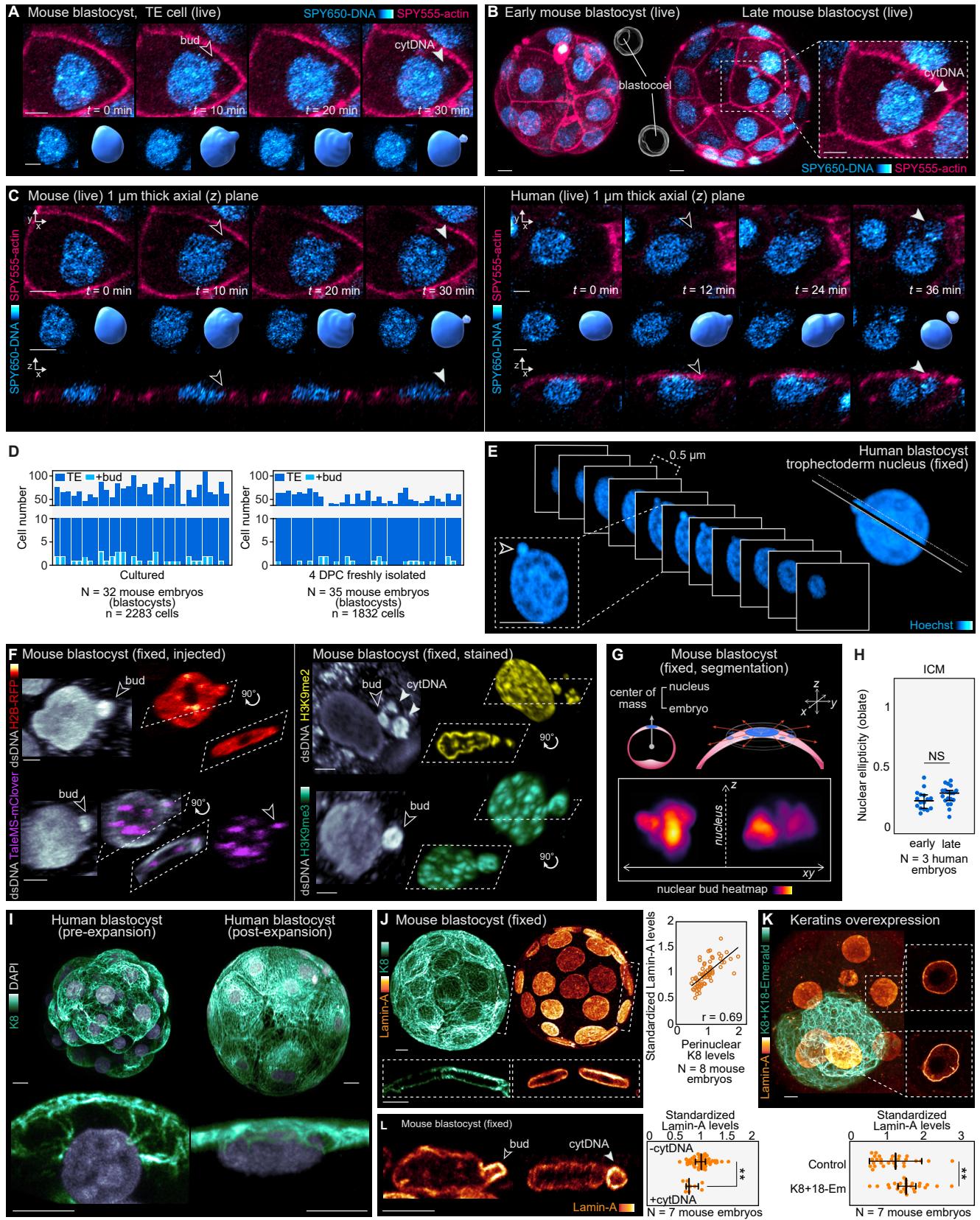


Figure S6. Analysis of caspase activity and γ H2AX, related to Figure 5.

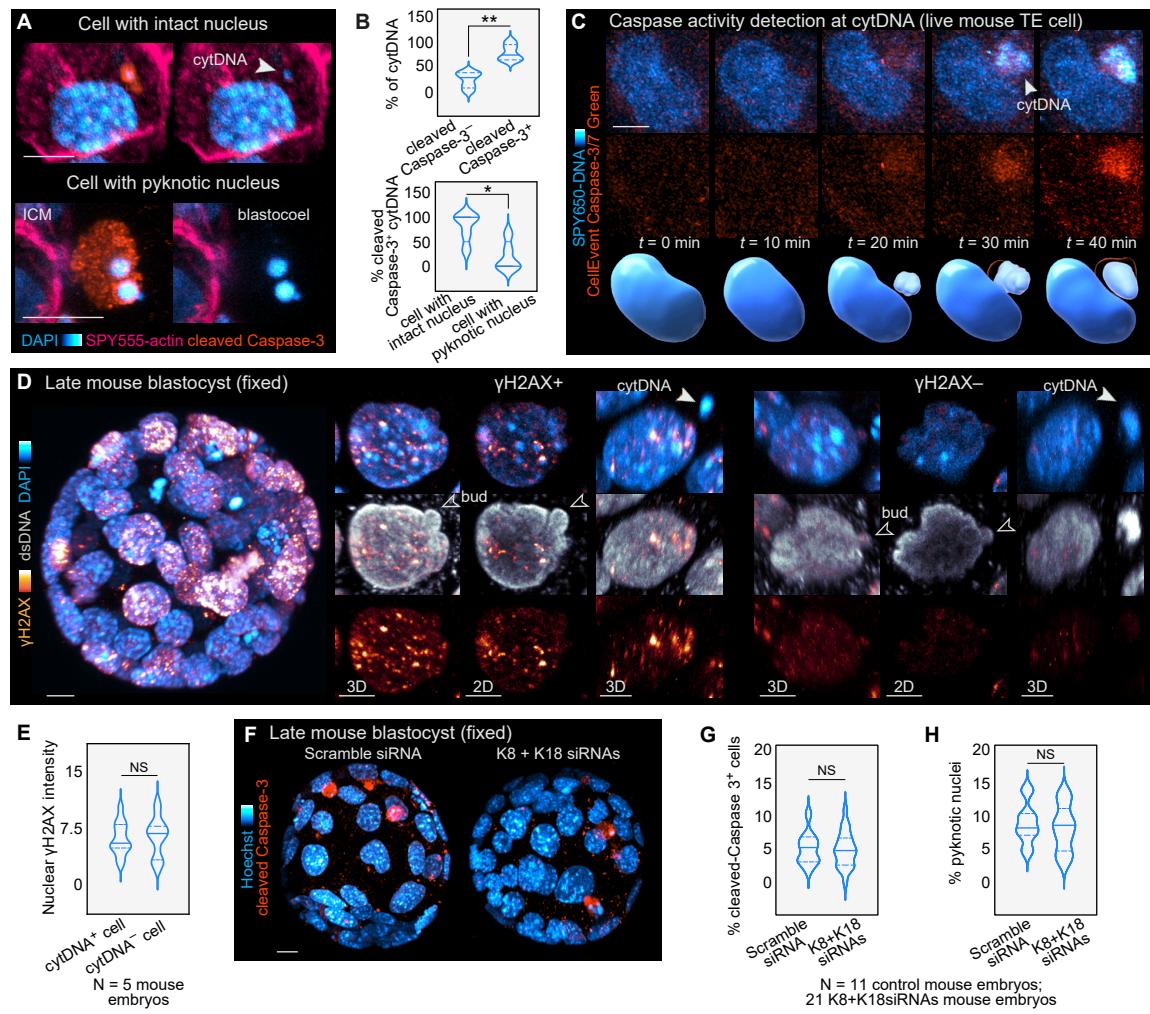


Figure S7. Nuclear budding during blastocyst hatching and trophectoderm biopsy, related to Figure 5 and Figure 6.

