

Chapter 5

Movie 1- MBP-Dgt4 injection into *Drosophila* embryo expressing γ -Tubulin-GFP

At the second mitotic cycle post-injection, γ -Tubulin-GFP localisation on the spindle was notably reduced, and continues to reduce until it disappears altogether. Mitosis never completes, and centrosomal localisation was unaffected.

Movie 2- MBP-Dgt4 injection into *Drosophila* embryo expressing Msd1-GFP

There were no defects for the first cycle of mitosis post-injection. At the second mitotic cycle post-injection, Msd1-GFP localisation on the spindle was notably reduced, and becomes restricted to the spindle equator. Mitosis never completes, and centrosomal localisation was unaffected.