

Robert F. Lera and Mark E. Burkard. High mitotic activity of Polo-like Kinase 1 is required for chromosome segregation and genomic integrity in human epithelial cells

Supplementary Movie Legends

Movie S1. H2B-mCherry expressing Plk1^{as} cell undergoing a normal division. Related to Figure 2A, top row. 3-MB-PP1 concentration: 0 μ M.

Movie S2. H2B-mCherry expressing Plk1^{as} cell dividing with a lagging chromosome. Related to Figure 2A, second row. 3-MB-PP1 concentration: 0.25 μ M.

Movie S3. H2B-mCherry expressing Plk1^{as} cell exhibiting severely impaired chromosome segregation during anaphase. Related to Figure 2A, third row. 3-MB-PP1 concentration: 0.25 μ M.

Movie S4. H2B-mCherry expressing Plk1^{as} cell exhibiting initial chromosome congression with subsequent loss of chromosome alignment. Related to Figure 2A, fourth row. 3-MB-PP1 concentration: 1 μ M.