

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Movie corresponding to Figure 1f (+NamptMO) showing a Nampt-depleted oocyte producing an enlarged PB. Time is shown as hh:mm following washout from IBMX.

File Name: Supplementary Movie 2

Description: Movie corresponding to Figure 2a (upper panels) showing a Mock-depleted oocyte treated with SiR-Tubulin (green, spindle) illustrating migration of the bipolar spindle to the cortex before anaphase-onset. Time is shown as hh:mm relative to GVBD.

File Name: Supplementary Movie 3

Description: Movie corresponding to Figure 2a (lower panels) showing a Nampt-depleted oocyte treated with SiRTubulin (green, spindle) illustrating migration of the bipolar s

File Name: Supplementary Movie 4

Description: Movie corresponding to Figure 4f showing an oocyte treated with SiR-Tubulin (green, spindle). Time is shown as hh:mm relative to anaphase-onset.

File Name: Supplementary Movie 5

Description: Movie corresponding to Figure 4g showing an oocyte treated with SiR-Tubulin (green, spindle). Time is shown as hh:mm relative to anaphase-onset.

File Name: Supplementary Movie 6

Description: Movie corresponding to Figure 5a showing a mock-depleted oocyte expressing H2B-RFP (red, chromosomes) and treated with SiR-Tubulin (green, spindle). Time is shown as hh:mm relative to anaphase-onset.