

## **Description of Additional Supplementary Files**

**File Name: Supplementary Movie 1**

**Description:** Efficient mitosis and cell division in p110 $\alpha$ H1047R MEFs with centrosome amplification. Filming of Cent2-GFP;Pik3caH1047R+neo;Flpe-ERT2 MEFs started 48 h after 4-OHT treatment and for a period of 30 h.

**File Name: Supplementary Movie 2**

**Description:** Efficient mitosis and cell division in p110 $\alpha$ H1047R MEFs with centrosome amplification. Filming of Cent2-GFP;Pik3caH1047R+neo;Flpe-ERT2 MEFs started 48 h after 4-OHT treatment and for a period of 30 h.

**File Name: Supplementary Movie 3**

**Description:** Efficient mitosis and cell division in p110 $\alpha$ H1047R MEFs with centrosome amplification. Filming of Cent2-GFP;Pik3caH1047R+neo;Flpe-ERT2 MEFs started 48 h after 4-OHT treatment and for a period of 30 h.

**File Name: Supplementary Movie 4**

**Description:** Representative video of p110 $\alpha$ H1047R binucleated MEFs dividing after DCB washout. Filming of Pik3caH1047R+neo;Flpe-ERT2 MEFs started 72 h after 4-OHT treatment and for a period of 30 h.