

**SI Table S3.** PF-2771 inhibits CENP-E in MDA-MB-468 cells and induces cell cycle arrest. Cell cycle analysis after treatment of PF-2771 in MDA-MB-468 cells defined the percentage of cells in different phases of the cell cycle as a function of time for 100 nM PF-2771 treated tumor cells and control treated tumor cells. The data was gated on the control samples and analyzed using Cell Quest v.2.0 software.

**Control Treatment**

Time (h)	G1 (2N)	S	G2/M (4N)	Sub G1	Aneuploidy (8N)
6	47	13	24	2	0.6
96	56	9	14	5	0.5

**100 nM PF-2771 Treatment**

Time (h)	G1 (2N)	S	G2/M (4N)	Sub G1	Aneuploidy (8N)
6	24	20	43	5	0.9
24	37	12	20	20	1.1
48	26	11	12	22	2.7
72	18	8	9	23	1.6
96	13	6	6	23	1.2