

S2 Table: SCE frequencies of human cells with or without olaparib

cell type	1 μ M olaparib exposure time (hr)	No. of cells	Mean no. chromosome / metaphase \pm SD	Mean no. SCE / metaphase \pm SD	Mean no. SCE / chromosome \pm SD
MCF-10A	-	51	46.9 \pm 1.0	7.6 \pm 2.8	0.16 \pm 0.06
	30	52	46.9 \pm 1.1	73.5 \pm 10.9	1.57 \pm 0.24
HMEC-hTERT	-	50	46.0 \pm 1.4	7.9 \pm 2.9	0.17 \pm 0.06
	30.5	50	46.0 \pm 1.0	59.7 \pm 10.0	1.30 \pm 0.22
EBV-BL	-	61	46.0 \pm 0.4	7.3 \pm 3.1	0.16 \pm 0.07
	87	52	45.8 \pm 0.9	51.6 \pm 10.6	1.13 \pm 0.23
primary T cell 1	-	55	45.9 \pm 0.6	9.5 \pm 2.9	0.21 \pm 0.06
	99	57	45.8 \pm 0.8	41.3 \pm 9.3	0.90 \pm 0.20
primary T cell 2	-	57	46.1 \pm 1.0	8.4 \pm 3.4	0.18 \pm 0.07
	70	50	45.9 \pm 1.0	43.0 \pm 9.7	0.94 \pm 0.21
MDA-MB-468	-	52	54.4 \pm 2.3	13.9 \pm 5.0	0.26 \pm 0.09
	40	47	54.7 \pm 2.0	107.9 \pm 21.0	1.97 \pm 0.38
MCF-7	-	50	73.4 \pm 2.3	22.7 \pm 5.0	0.31 \pm 0.07
	66.5	50	73.4 \pm 2.9	152.4 \pm 21.9	2.01 \pm 0.30