Supplemental Method 1

We wrote an annotated ImageJ macro for quantifying total cell numbers and apoptotic (fluorescently-labeled) cells using digitally captured IncuCyte images. Images were recorded using the IncuCyte FLR HD system with a 10X objective every four hours from two separate regions of each experimental well. Objects (cells) were corrected for background illumination and threshold based on contrast intensity. Phase-contrast images measured cell size and were normalized to the initial time point; fluorescent image cell size was normalized to cells 12 hours following the respective treatment to allow for dye equilibration after loading. Quantification was validated by manually counting at least 100 objects per image.

```
//Image processing
//Example MDA-MB-231
//Phase contrast
run("Smooth");
run("Despeckle");
run("Despeckle");
run("8-bit");
setThreshold();
run("Convert to Mask");
run("Outline");
run("Fill Holes");
run("Analyze Particles...", "size=#-Infinity circularity=0.00-1.00 show=Outlines display summarize");

//Image processing
//Example MDA-MB-231
//Fluorescent Image
run("Smooth");
run("Despeckle");
run("Despeckle");
run("Despeckle");
run("8-bit");
setThreshold();
run("Convert to Mask");
run("Outline");
run("Analyze Particles...", "size=#-Infinity circularity=0.00-1.00 show=Outlines display summarize");
```