

Supplementary Figure S3: MCF-7 cell clustering occurs independently of microtubules cytoskeleton disruption

a Immunostaining of α -tubulin in untreated MCF-7 cells (Control) and cells incubated with 10 μ M nocodazole for 2 hours. For both conditions, each row corresponds to two different fields of view. Inserts show the higher magnification of the region outlined with dotted lines in the corresponding image. *: mitotic cells in control and nocodazole conditions. Scale bar: 10 μ m. **b** Schematic representation of the experiment. To test the impact of microtubule depolymerization on aggregation dynamics, MCF-7 cells were pre-treated with 10 μ M nocodazole for 1 h, then they were seeded in 96-well low-attachment plates in the presence of 10 μ M nocodazole, and monitored by videomicroscopy for 5 hours (clustering assay). **c** Percentage of compaction calculated from the normalized area at each time point (see Methods section) for control (untreated) cells and cells incubated with nocodazole, as described in b. For each time point, data correspond to the mean \pm SD of 32 aggregates/condition from 3 independent experiments.