Supporting Information

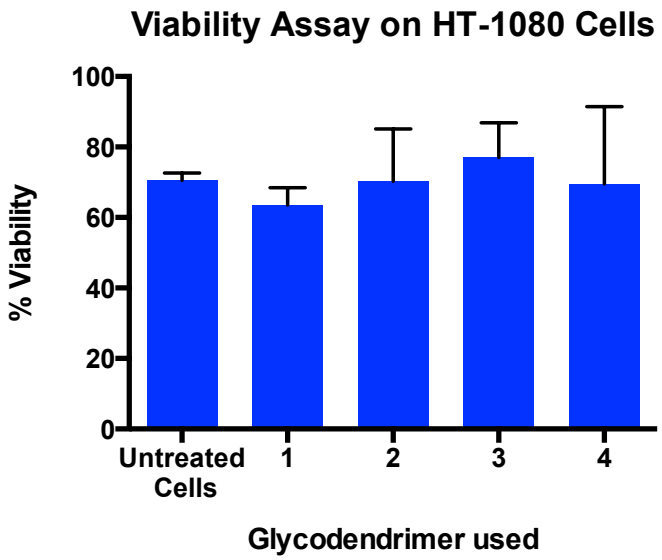

Figure S1. Viability of HT-1080 cells after aggregation assay. Dead cells were stained with Trypan Blue and the live/dead ratio was determined using a hemacytometer under 10x magnification.

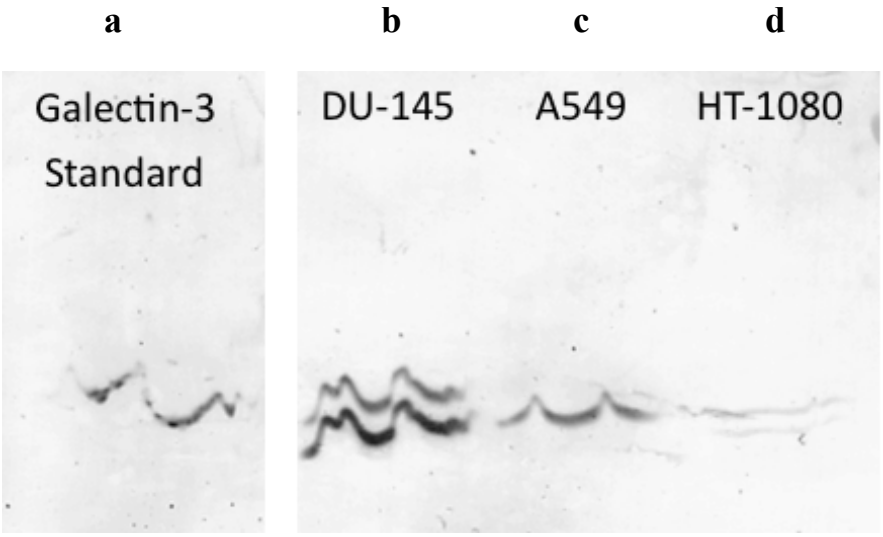

Figure S2. Western blot depicting relative amounts of native galectin-3 across cell lines. The experiment was performed as described in the methods section, and the nitrocellulose membrane was then scanned and analyzed. Lane **a**: 10 µg galectin-3 standard. Lane **b**: 16 µg DU-145 whole cell lysate. Lane **c**: 16 µg A549 whole cell lysate. Lane **d**: 16 µg HT-1080 whole cell lysate.

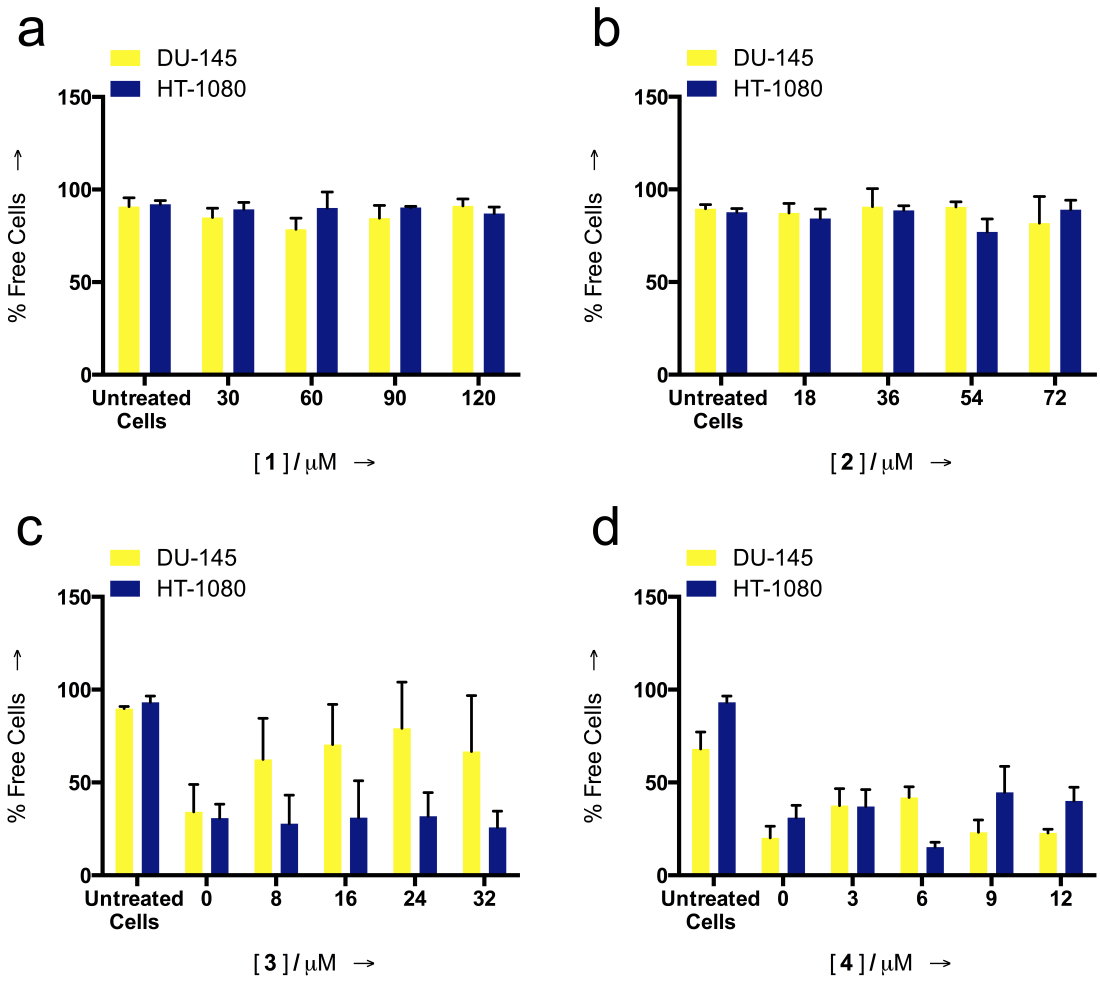

Figure S3. Effect of lactose-functionalized dendrimers on untreated and galectin-3 induced homotypic aggregates of DU-145 and HT-1080 cells. (**a**) Without the addition of galectin-3, no statistically significant results are observed in the presence of **1.** (**b**) Without the addition of galectin-3, no statistically significant results are observed in the presence of **2**. (**c**) Dendrimer **3** has no statistically significant effect on either cell line when galectin-3 has been added. (**d**) Dendrimer **4** has no statistically significant effect on galectin-3 treated cells.

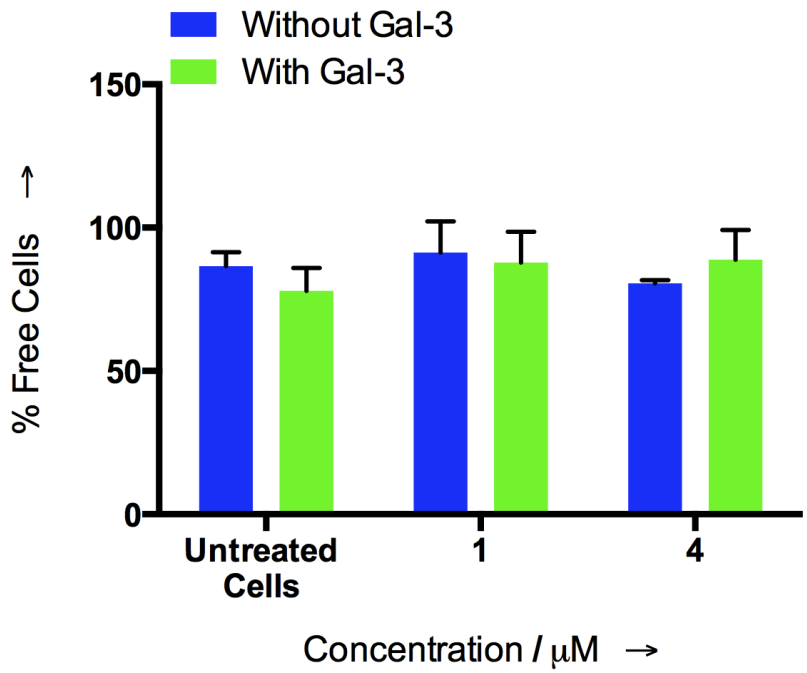

Figure S4. Effect of lactose-functionalized dendrimers **1** and **4** on fixed cells with and without added galectin-3. Dendrimer **1** was used at a concentration of 120 μM, and **4** was used at a concentration of 12 μM. As expected, there is no statistically significant difference between galectin-3 fixed cells and fixed cells to which galectin-3 has not been added, regardless of whether dendrimer has been added or not.

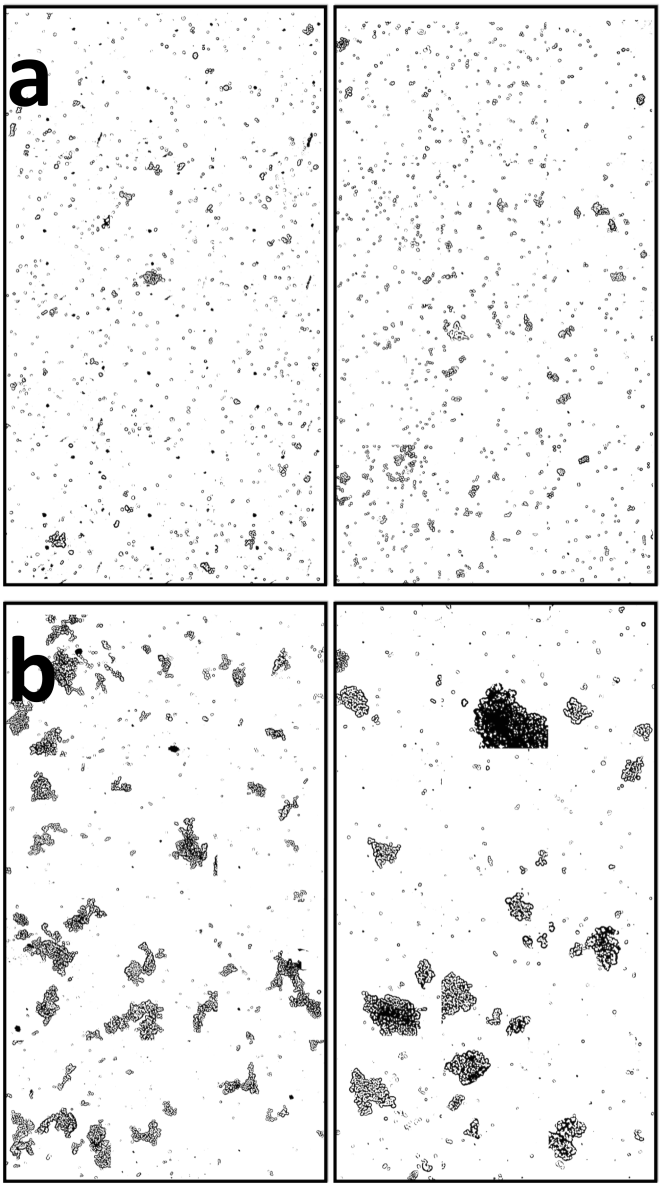

Figure S5. Selected primary data from the controls in cellular aggregation assays on A549 cells. Row (**a**) shows representative images from untreated cell experimentals. Images shown are compressed stills taken at 10x magnification then manipulated to black and white. Row (**b**) shows representative images from galectin-3 control experimentals.

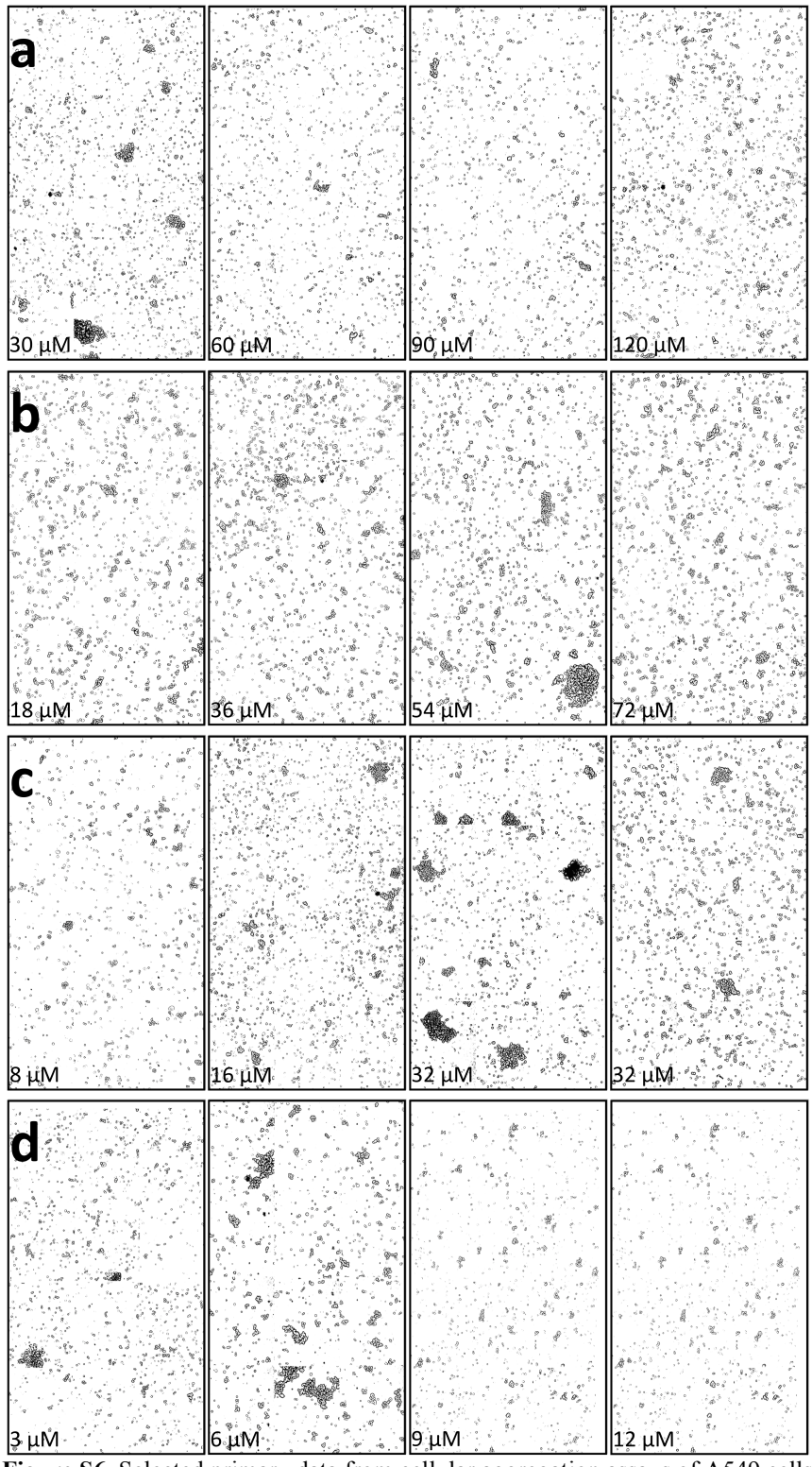

Figure S6. Selected primary data from cellular aggregation assays of A549 cells in which no additional galectin-3 was added. Images shown are compressed stills taken at 10x magnification then manipulated to black and white. Concentrations listed are for added dendrimers. Row (**a)** shows representative images for dendrimer **1**. Row (**b**) shows representative images for dendrimer **2.** Row (**c**) shows representative images for dendrimer **3**. Row (**d**) shows representative images for dendrimer **4**.

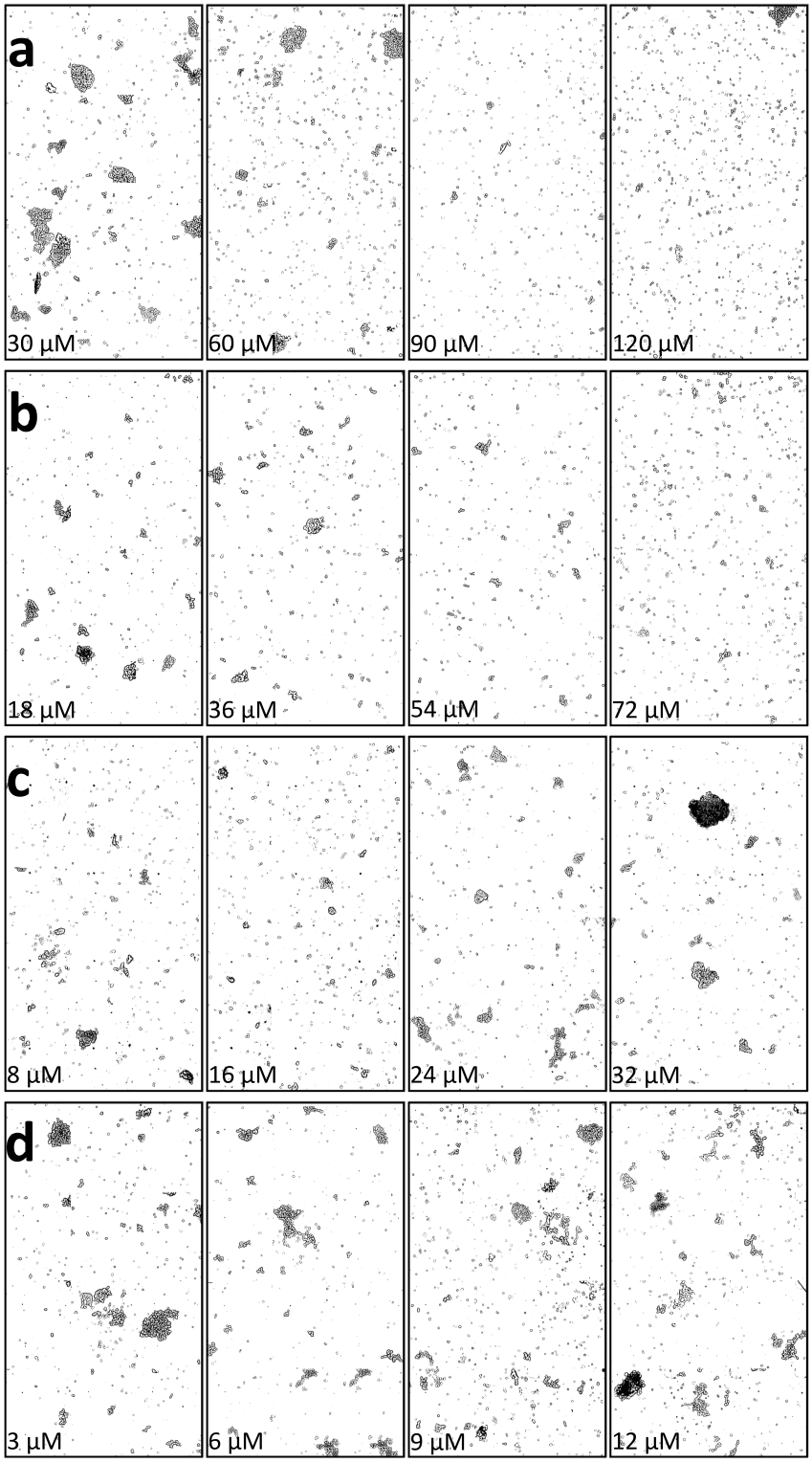

Figure S7. Selected primary data from cellular aggregation assays of A549 cells in the presence of additional galectin-3. Images shown are compressed stills taken at 10x magnification then manipulated to black and white. Concentrations listed are for added dendrimers. Row (**a)** shows representative images for dendrimer **1**. Row (**b**) shows representative images for dendrimer **2.** Row (**c**) shows representative images for dendrimer **3**. Row (**d**) shows representative images for dendrimer **4**.