

**Fig. S1: Determination of cell density for high content imaging and neurite outgrowth analysis of iPSC-derived neurons.** Representative images of iCell Neurons plated at densities of (a) 4 x 104 cells/well and (b) 1.33 x 104 cells/well stained with Calcein AM (green) and analyzed by the MetaXpress software Neurite Outgrowth Application Module (red). Note that at the higher density, clusters of neurons produced regions not accessible for MetaXpress to call cells and measure neurite outgrowths (cells were either missed or given a value of zero for process length measurements).