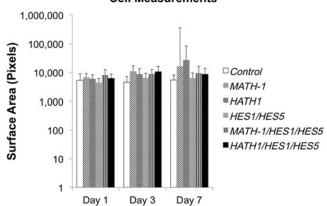
Cell Measurements



SUPPLEMENTARY FIG. S3. Surface area measurements of cells. The surface area of cells was measured in CellProfiler and quantified in CellProfiler Analyst. No significant differences were detected between cell surface areas; however, HATH1-transfected hWJCs displayed a trend of increased cell surface area over a period of 7 days. Standard deviations were extremely high due to substantial differences in the number of cells available for quantification between groups. Data were collected from one umbilical cord (n=1) as a way to test the methodology. Bars indicate the mean surface area measurement of cells within a treatment group. Error bars represent the standard deviation of cells within a treatment group. MATH-1 represents cells transfected with MATH-1 pDNA. HATH1 represents cells transfected with HATH1 pDNA. HES1/HES5 represents cells transfected with *HES1* and *HES5* siRNA. MATH-1/HES1/HES5 represents cells cotransfected with MATH-1 pDNA, HES1 siRNA, and HES5 siRNA. HATH1/ HES1/HES5 represents cells cotransfected with HATH1 pDNA, HES1 siRNA, and HES5 siRNA.