



**Fig. S1. Effects of small molecule inhibitors on cell numbers.**

iMOP cells were subjected to a fluorescence based assay that measures the amount of DNA (black) and cell counts (white). iMOP cells cultured in the presence of bFGF along with either (A) SP600125 (JNK inhibitor) ( $n=4$ ), (C) U0126 (ERK inhibitor) ( $n=4$ ), or (E) rapamycin (mTOR inhibitor) ( $n=4$ ). The same assays were performed on iMOP cells cultured in the absence of bFGF for 3 days along with (B) SP600125 ( $n=4$ ), (D) U0126 ( $n=4$ ), and (F) rapamycin ( $n=4$ ).