# This file contains figures related to the correlation of p-SMAD2 and p-CREB in GBM patients and the quantification of tumor growth in GBM PDX models expressing shCREB1.

# Supplementary figure legends

S1. **p-SMAD2 correlates with p-CREB1 expression in GBM patient tumors.** Graph showing the correlation between p-CREB1 and p-SMAD2 protein levels in tissue microarrays from patient GBM samples. Not all spots were evaluable in all stainings. A Spearmann’s test was used, and the correlation coefficient () and the two-tailed significance are shown. Representative images from the tissue microarrays are shown. Scale bar, 50 um.

S2. **Knock down of CREB1 decreases tumor growth in GBM PDX models**. IHC against human nestin was performed in 3 control and 6 shCREB1 tumors from Figure 7B (left). The stained tumor area was quantified and plotted. P < 0.05 using Student’s *t* test. Representative images are shown.