



Figure S3. ZFTA-RELA^{FUS1}, ZFTA-RELA^{FUS2} and ZFTA-YAP1^{FUS} upregulate a human ST-EP-ZFTA^{FUS} specific transcriptome in HEK3 cells and mNSCs: **A.** Overlap in genes upregulated specifically in human ST-EP-ZFTA^{FUS} tumors from two independent patient cohorts (SJCRH and DKFZ) versus those upregulated by ZFTA-RELA^{FUS1} in HEK293 and mNSCs (p values are representation statistic for overlap). **B.** Pathway enrichment among 18,000 genesets of genes identified in (A). **C** and **D** reports a similar analysis of genes upregulated in ST-EP-ZFTA^{FUS} tumors versus those upregulated by ZFTA-RELA^{FUS2} in HEK293 and mNSCs. **E.** Overlap in genes upregulated by the indicated ZFTA fusion genes in HEK293 cells (p values are representation statistic for overlap). **F.** Pathway enrichment in the indicated genesets identified in (E).