Description of Additional Supplementary Files

File Name: Supplementary Data 1
Description: Lists of significantly differentially expressed genes in ACVR1 R206H infected neurospheres compared to ACVR1 WT infected neurospheres, with and without H3.1K27M, as determined by RNAseq analysis.

File Name: Supplementary Data 2
Description: GSEA analysis results of ACVR1 R206H infected neurospheres compared to ACVR1 WT infected neurospheres, with and without H3.1K27M, as determined by RNAseq analysis.

File Name: Supplementary Data 3
Description: Uncropped and unprocessed Western blot gels of representative images.

File Name: Supplementary Data 4
Description: Validation of human cells lines using short tandem repeat analysis