



**Supplementary Figure 9. Functional analysis of the 29-gene signature in LGG and GBM of TCGA cohort. (A)** GO annotations based on the top 2000 genes positively and negatively associated with the 29-gene signature in LGG. **(B)** GSEA analysis based on the median value of risk score in LGG. **(C)** GO annotations based on the top 2000 genes positively and negatively associated with the 29-gene signature in GBM. **(D)** GSEA analysis based on the median value of risk score in GBM.