



Supplementary Fig. 1. Functional annotation of differentially expressed genes (DEGs) with varying levels of spermine synthase (SMS) in lower-grade glioma patients. Using the Metascape database, functional annotation was performed on 512 differentially expressed messenger RNAs between high and low SMS expression groups. Subsequently, all statistically enriched terms were further analyzed and hierarchically clustered into a tree based on a kappa score threshold of 0.3.