

Figure S1 DEGs between four patients with TSC and four healthy controls from GSE16969. (A) PCA plot of GSE16969. (B) Volcano plot of GSE16969. DEGs, differentially expressed genes; FC, fold change; PCA, principal component analysis; TSC, tuberous sclerosis complex.

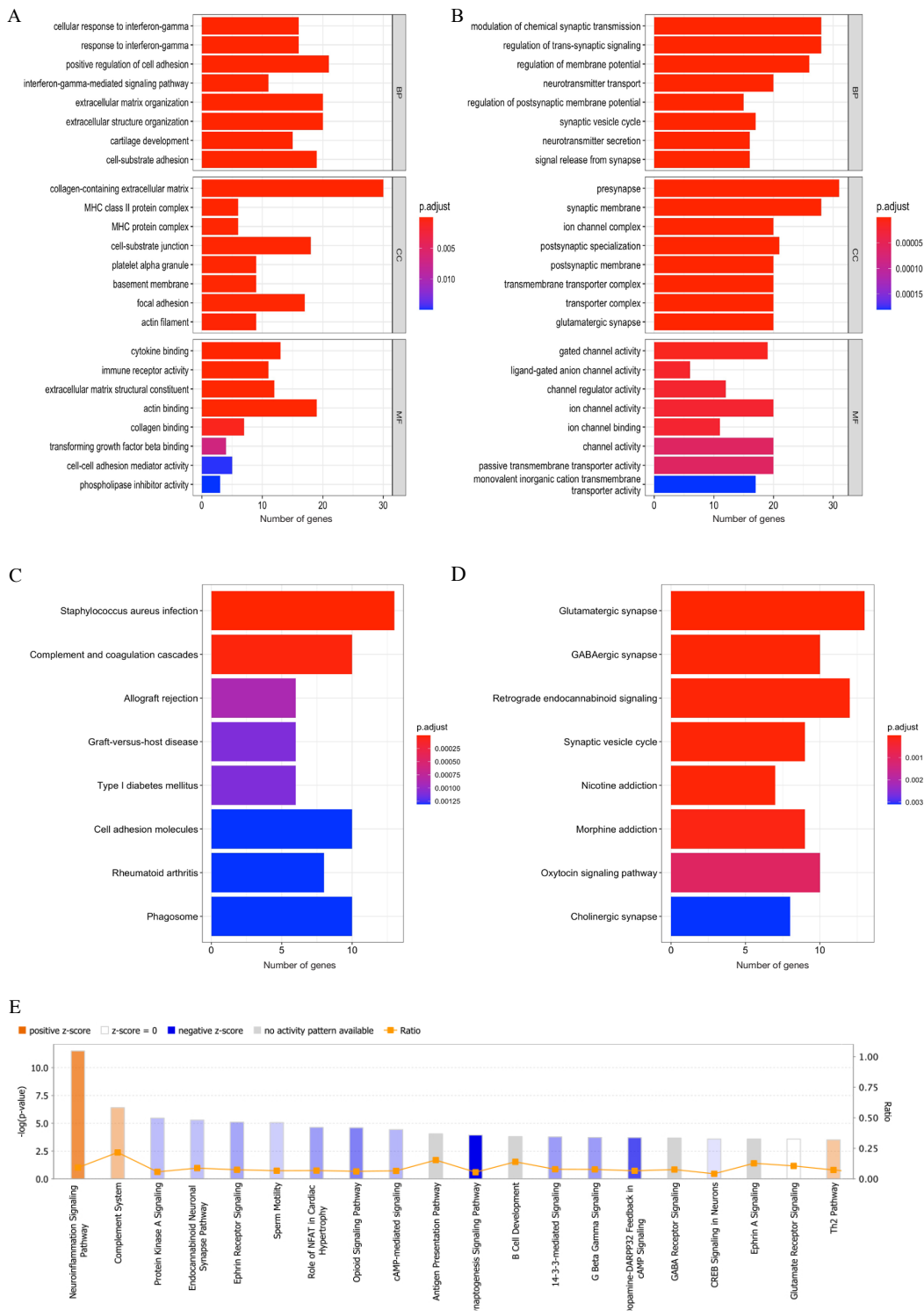


Figure S2 Gene function of DEGs. (A) GO of upregulated genes. (B) GO of downregulated genes. (C) KEGG of upregulated genes. (D) KEGG of downregulated genes. (E) Top 20 canonical pathways according to IPA. BP, biological process; cAMP, cyclic adenosine monophosphate; CC, cellular component; CREB, cyclic-AMP response binding protein; DEGs, differentially expressed genes; GABAergic, gamma-aminobutyric acid-ergic; GO, Gene Ontology; IPA, Ingenuity Pathway Analysis; KEGG, Kyoto Encyclopedia of Genes and Genomes; MF, molecular function; MHC, major histocompatibility complex; NFAT, nuclear factor of activated T-cells.

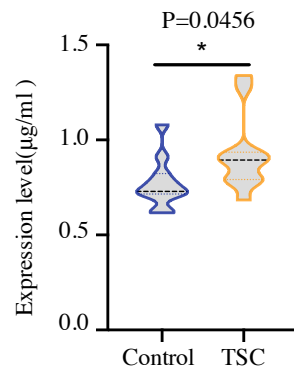


Figure S3 Serum level of complement C3. n=11; *, $P < 0.05$ vs. control. TSC, tuberous sclerosis complex.