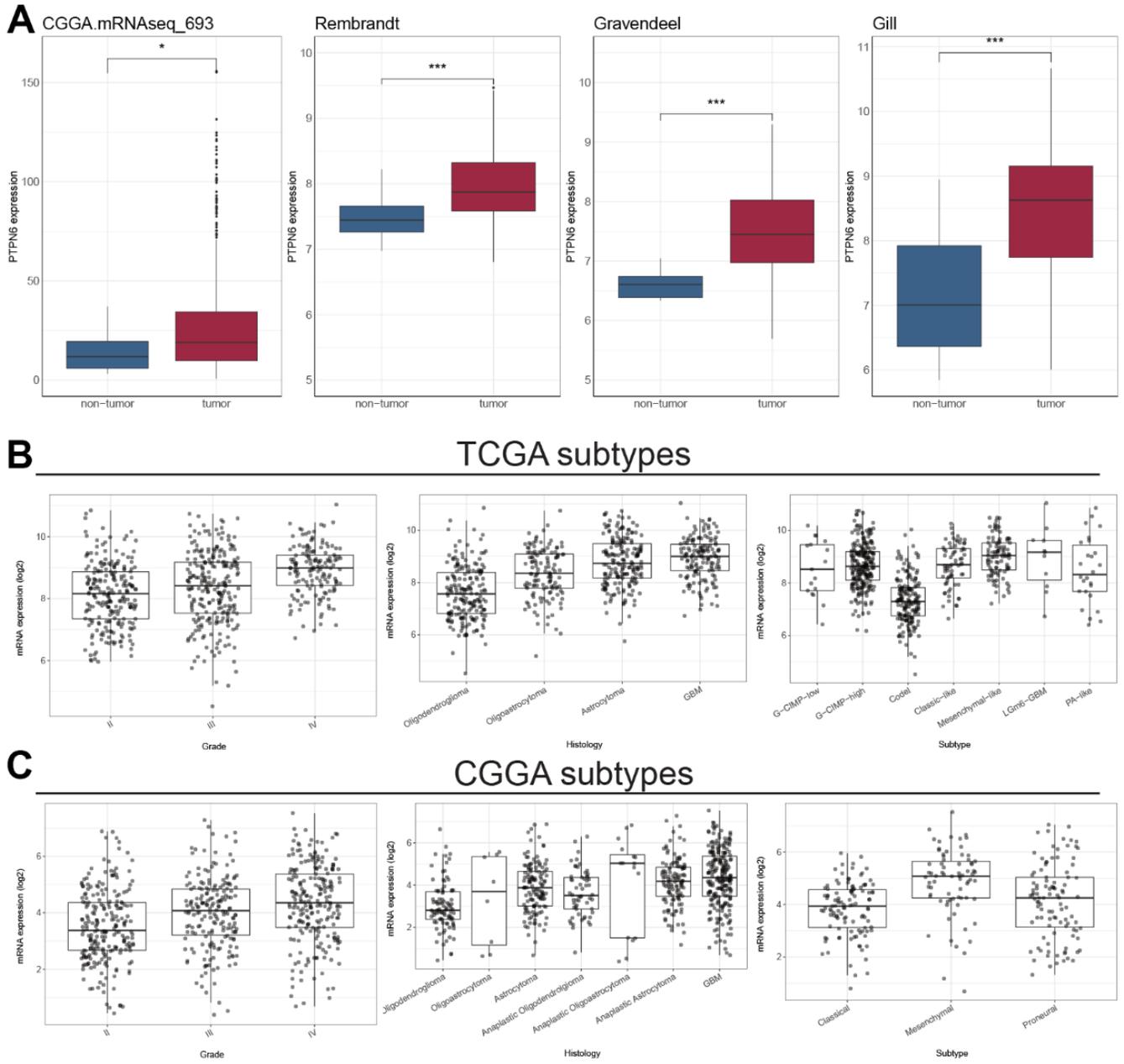
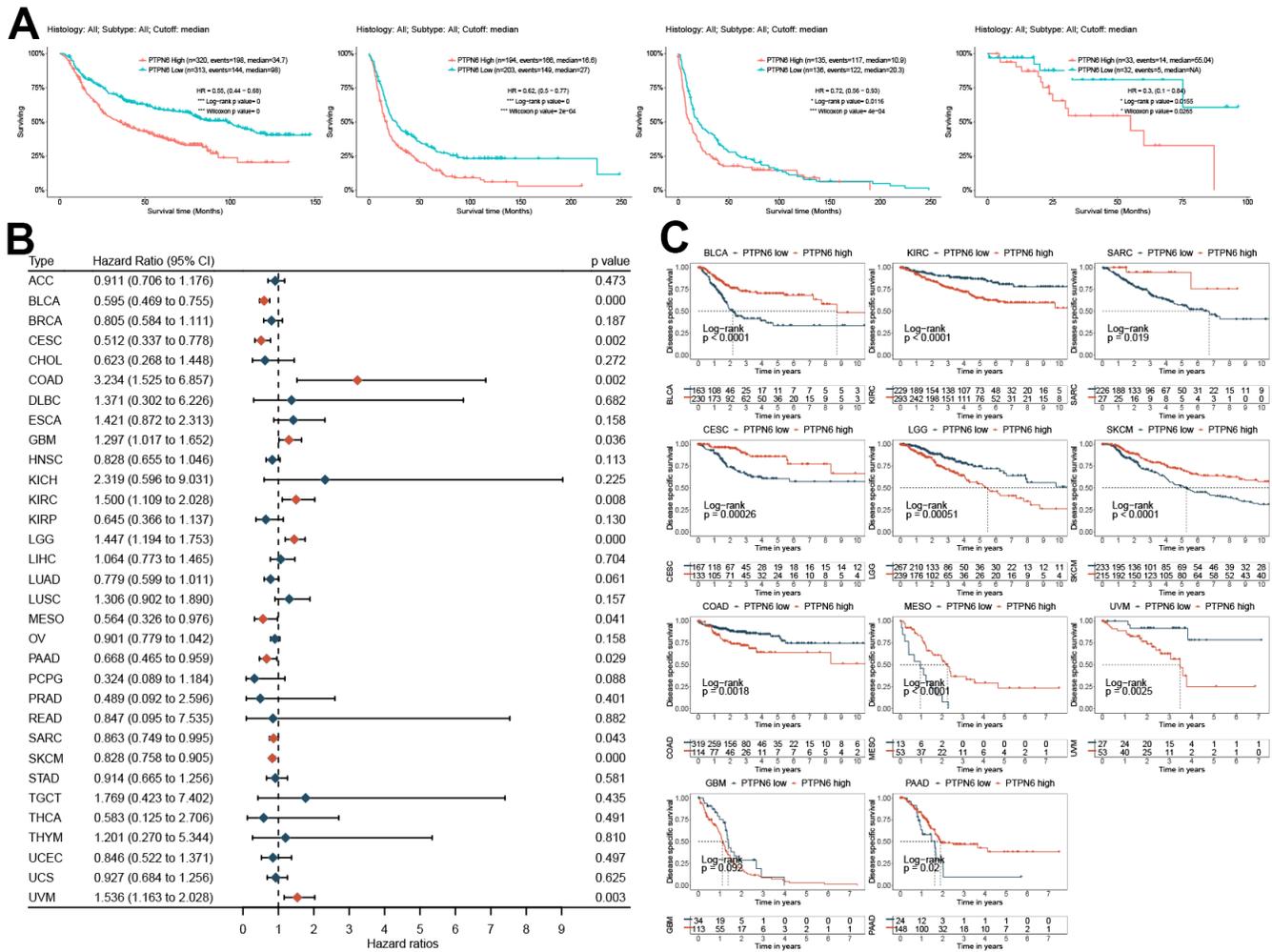


SUPPLEMENTARY FIGURES

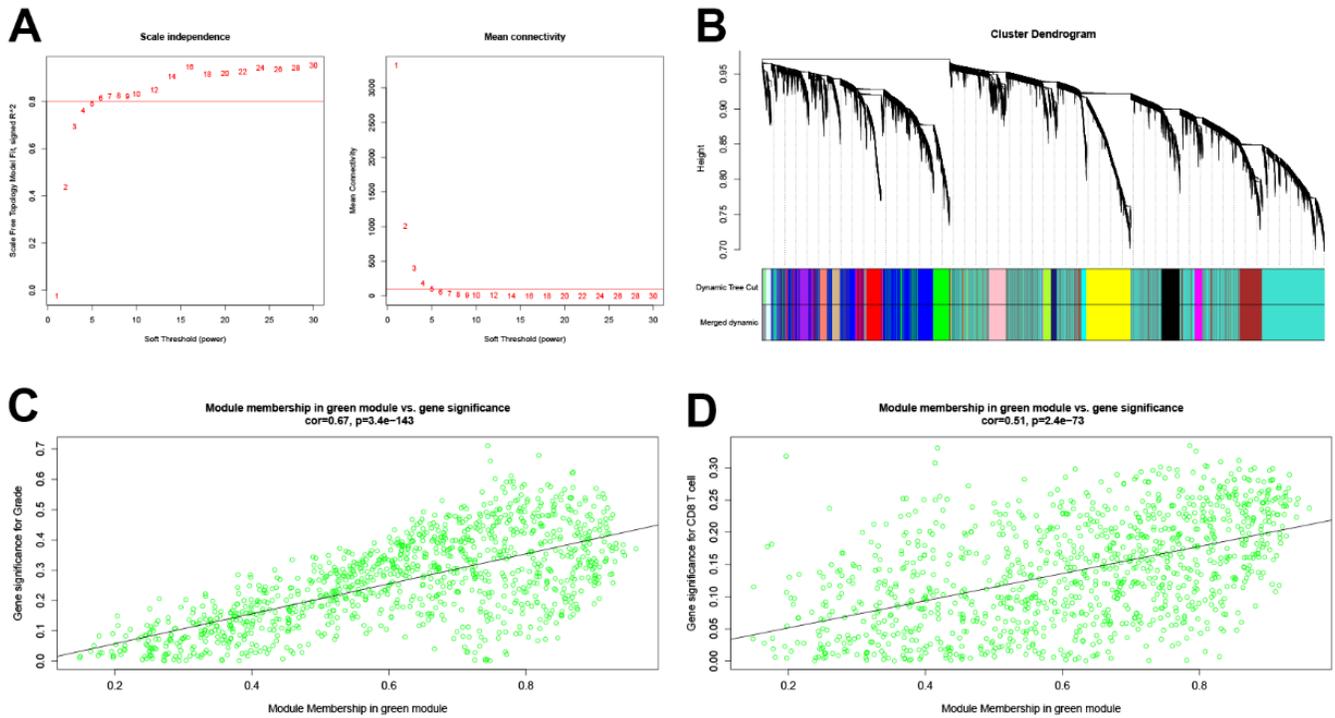


Supplementary Figure 1. Expression pattern of PTPN6 in GBM. (A) Distribution of PTPN6 expression from four different datasets. **(B)** Distribution of PTPN6 expression in TCGA subtypes. **(C)** Distribution of PTPN6 expression in CGGA subtypes.

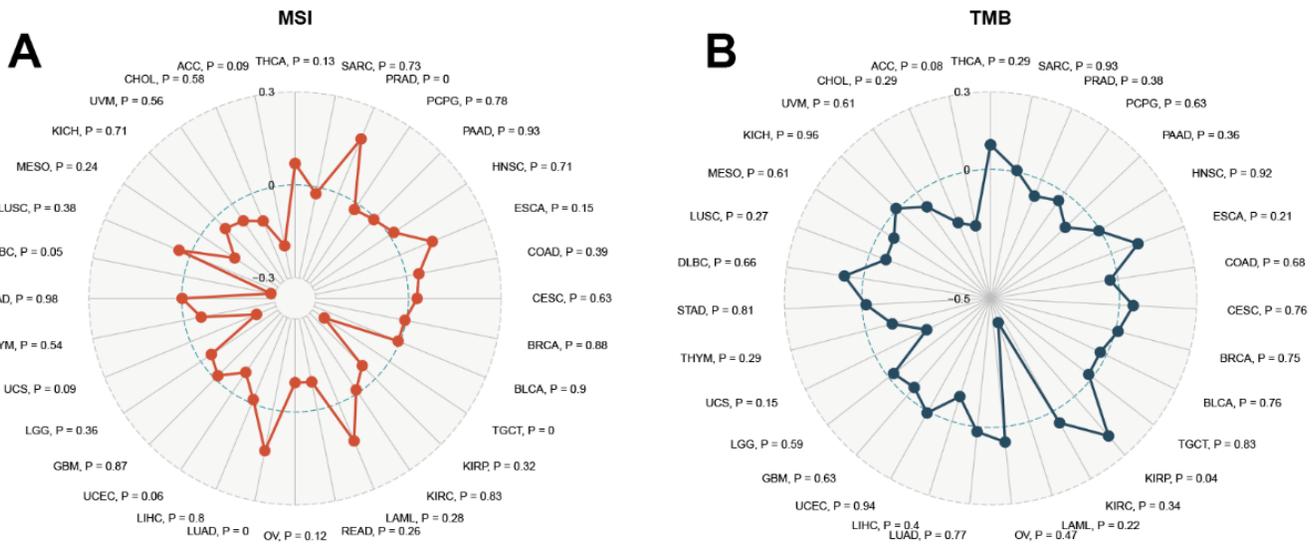


Supplementary Figure 2. Prognostic analysis of PTPN6 for disease-specific survival in pan-cancers. (A) Clinical prognosis of PTPN6 in four different datasets. (B) Clinical significance of PTPN6 for disease specific survival in the TCGA dataset. (C) Representative survival analysis of PTPN6 in TCGA datasets.

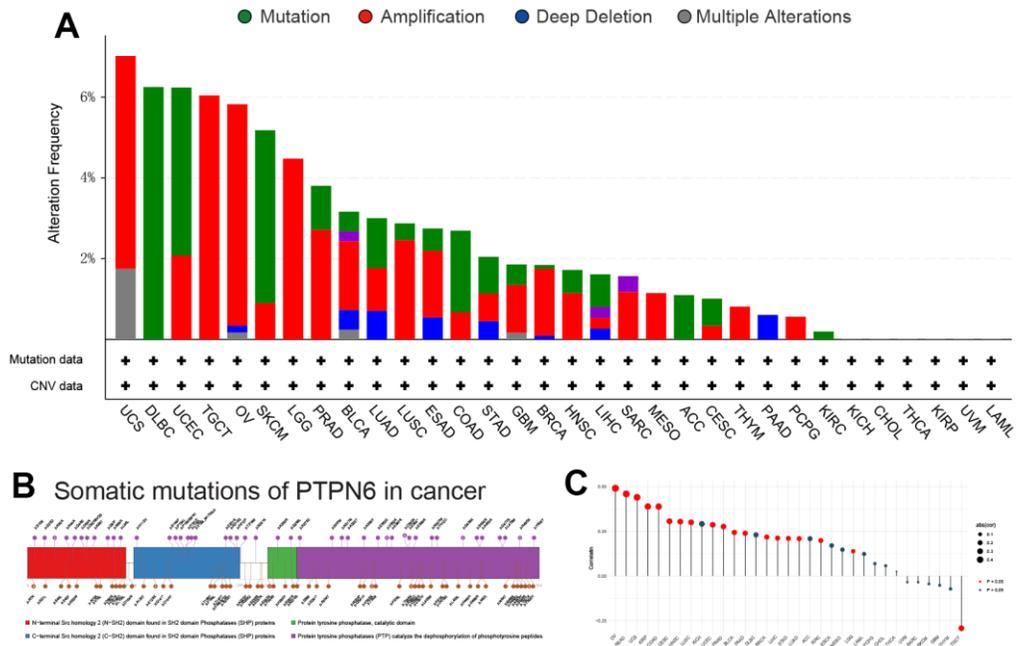
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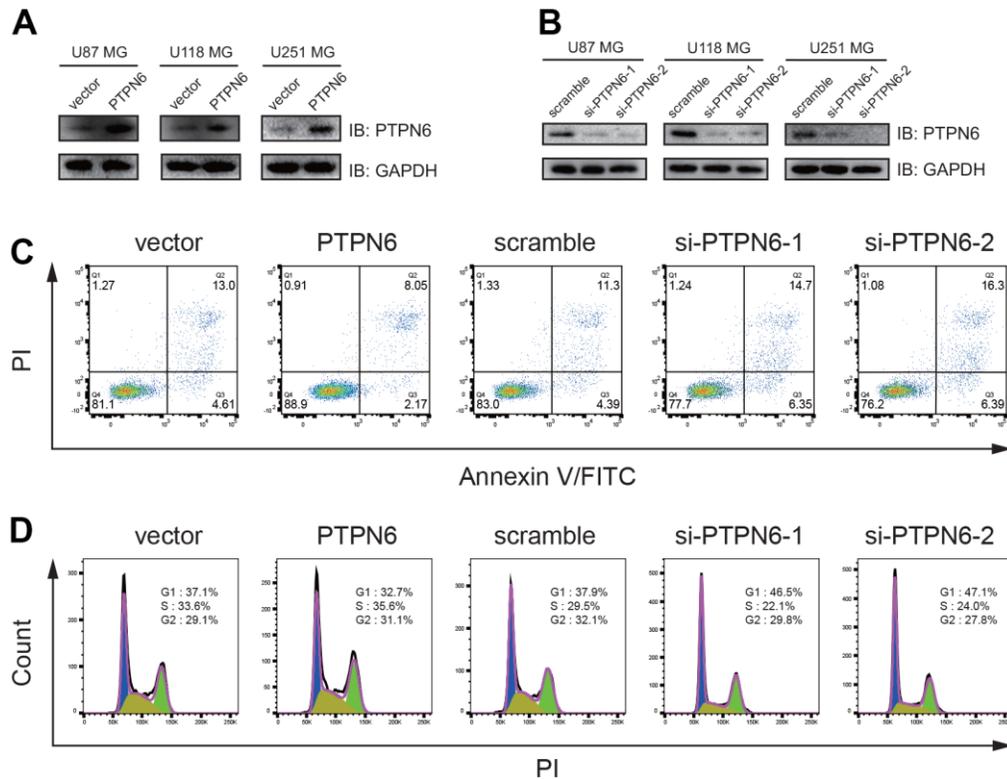
Supplementary Figure 3. WGCNA construction and functional annotation. (A) Power distribution of WGCNA. **(B)** Dynamic tree of 18 modules. **(C, D)** Module membership and gene importance.



Supplementary Figure 4. Correlations between PTPN6 and TMB, MSI in pan-cancers. (A) MSI of PTPN6 for TCGA datasets. **(B)** TMB of PTPN6 for TCGA datasets.



Supplementary Figure 5. Genetic alterations of PTPN6 in pan-cancers. (A) Mutational frequency of PTPN6 in TCGA datasets. **(B)** Somatic mutations of PTPN6 in cancer. **(C)** CNV of PTPN6.



Supplementary Figure 6. PTPN6 regulated cell cycle and apoptosis in glioma cells. (A) PTPN6 was transduced in glioma cell lines. **(B)** PTPN6 was knockdown in glioma cell lines. **(C)** Flow cytometric analysis of early and late apoptotic cells with annexin V and propidium iodide (PI). **(D)** The effect of PTPN6 on cell cycle distribution.