Supplementary Materials

High DKK3 expression related to immunosuppression was associated with poor prognosis in glioblastoma: machine learning approach

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Supplementary Fig. S1. Box plots showing gene mRNA expression based on Wnt/β-catenin-related genes. (A) Gene mRNA expression of AKT1 to CER1 among Wnt/β-catenin-related genes; (B) gene mRNA expression of CSNK1A1 to DKK4 among Wnt/β-catenin-related genes; (C) gene mRNA expression of DVL1 to NIT2 among Wnt/β-catenin-related genes; (D) gene mRNA expression of PIN1 to WIF1 among Wnt/β-catenin-related genes.
**Supplementary Fig. S2.** Kaplan–Meier curves showing overall survival (OS) and progression-free survival (PFS) rates according to LRP1 and PTPRA expression levels.
**Supplementary Fig. S3.** Kaplan–Meier curves showing overall survival (OS) and progression-free survival (PFS) rates. (A) OS rates according to IDH1 mutation status; (B) PFS rates according to IDH1 mutation status; (C) OS rates according to DKK3 tertiles in patients with IDH1 wild-type; (D) PFS rates according to DKK3 tertiles in patients with IDH1 wild-type. IDH1, isocitrate dehydrogenase 1.
Supplementary Fig. S4. Kaplan–Meier curves showing overall survival (OS) and progression-free survival (PFS) rates according to TCF7, THY1 (CD90), and TGFβ2 expression levels.
Supplementary Fig. S5. Kaplan–Meier curves showing overall survival (OS) and progression-free survival (PFS) rates according to DKK1, DKK2, SFRP1, DVL1, AXIN1, CTNNB1, and GSK3B expression levels. (A) OS rates based on the DKK1, DKK2, SFRP1, DVL1, AXIN1,
CTNNB1, and GSK3B expression tertiles; (B) PFS rates based on the DKK1, DKK2, SFRP1, DVL1, AXIN1, CTNNB1, and GSK3B expression tertiles.
**Supplementary Fig. S6.** Gene set enrichment analysis of CD8+ T cell-related immunologic gene sets associated with high DKK3 expression.