

Supplementary material

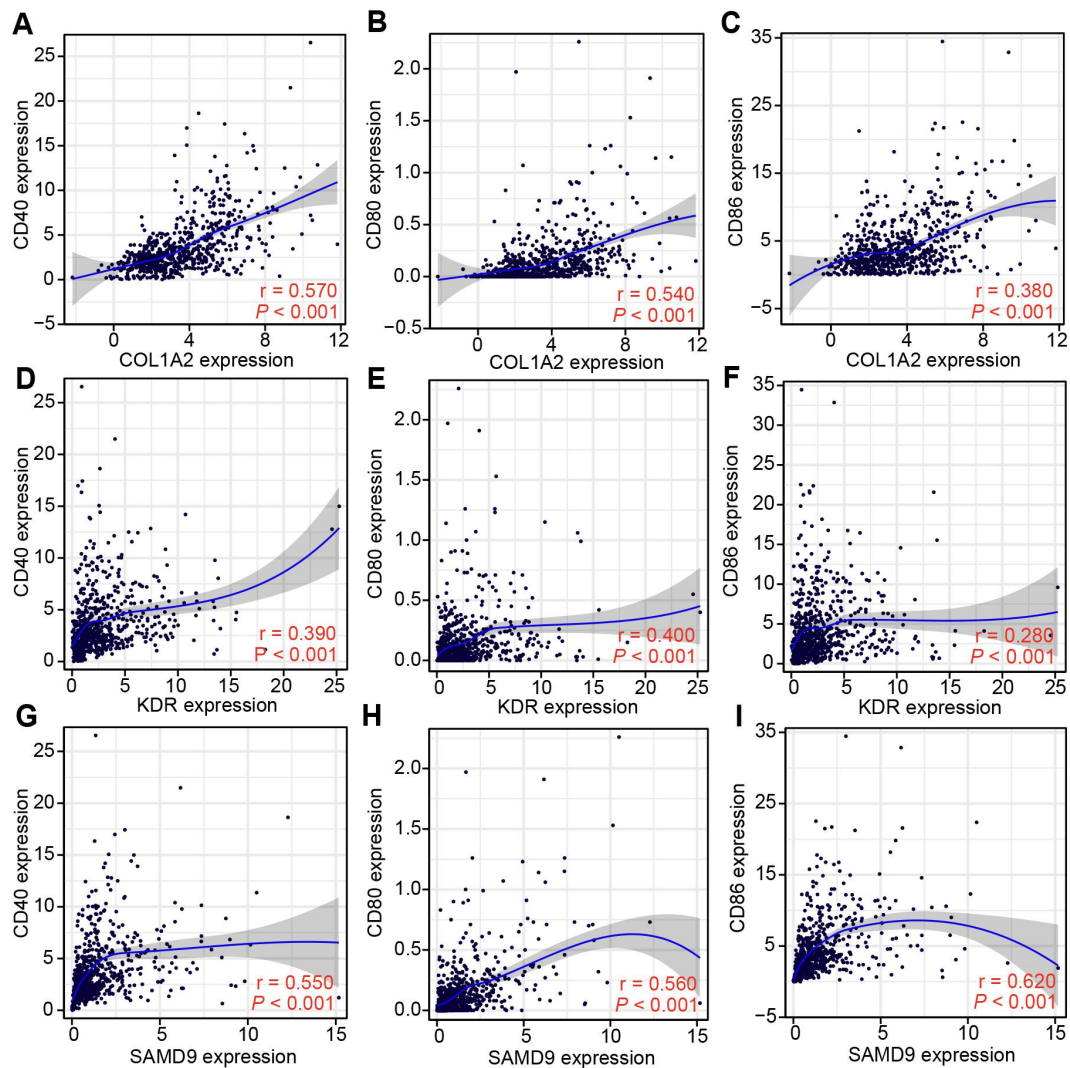


Figure S1. Correlation between the expression levels of three antigens and those of APC markers in the CGGA diffuse glioma. (A-C) Correlation between the expression levels of COL1A2 and those of CD40 (A), CD80 (B), and CD86 (C). (D-F) Correlation between the expression levels of KDR and those of CD40 (D), CD80 (E), and CD86 (F). (G-I) Correlation between the expression levels of SAMD9 and those of CD40 (G), CD80 (H), and CD86 (I). Correlations were determined by the Spearman' test, and $P < 0.05$

boxplot with asterisks (ns represents no significance, * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$).

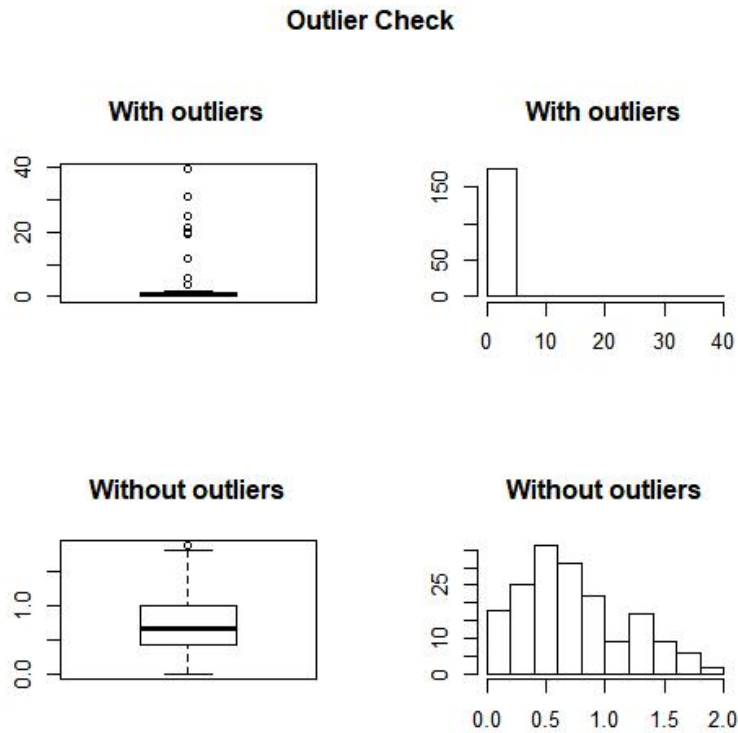


Figure S3. TMB distribution before and after excluding sample outliers.

Outlier Check

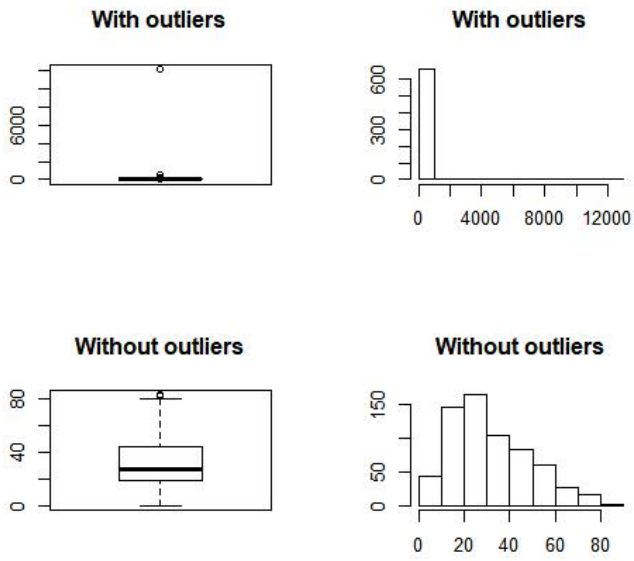


Figure S4. Mutation count distribution before and after excluding sample outliers.

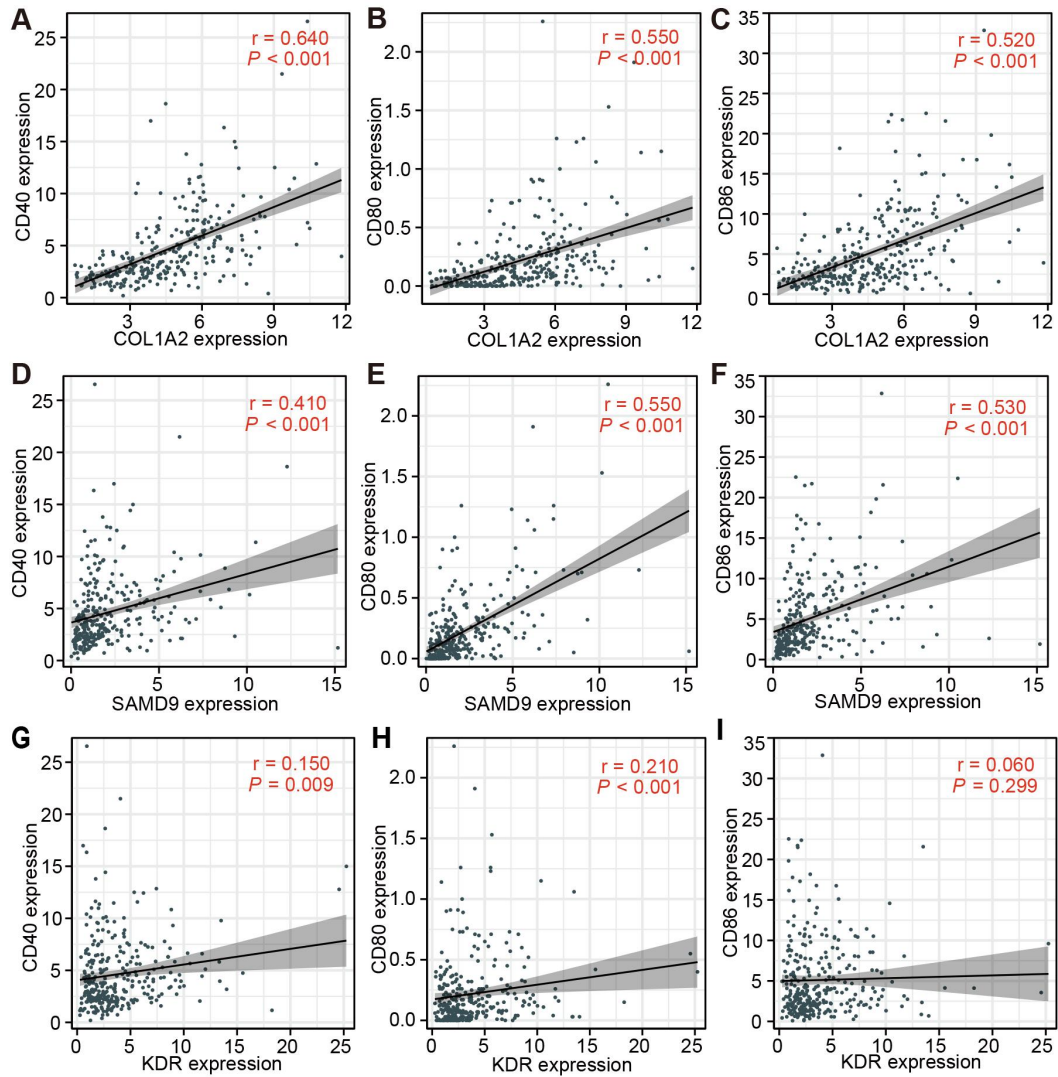


Figure S5. Correlation between the expression levels of three antigens and those of APC markers in diffuse glioma with subtype lms1 in the CCGA cohort. (A-C) Correlation between the expression levels of COL1A2 and those of CD40 (A), CD80 (B), and CD86 (C). (D-F) Correlation between the expression levels of SAMD9 and those of CD40 (D), CD80 (E), and CD86 (F). (G-I) Correlation between the expression levels of KDR and those of CD40 (G), CD80 (H), and CD86 (I). Correlations were determined by the Spearman rank test, and $P < 0.05$ was considered

significant.