cancers

Supplementary Materials

Immune Cytolytic Activity for Comprehensive Understanding of Immune Landscape in Hepatocellular Carcinoma

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Supplementary Materials:

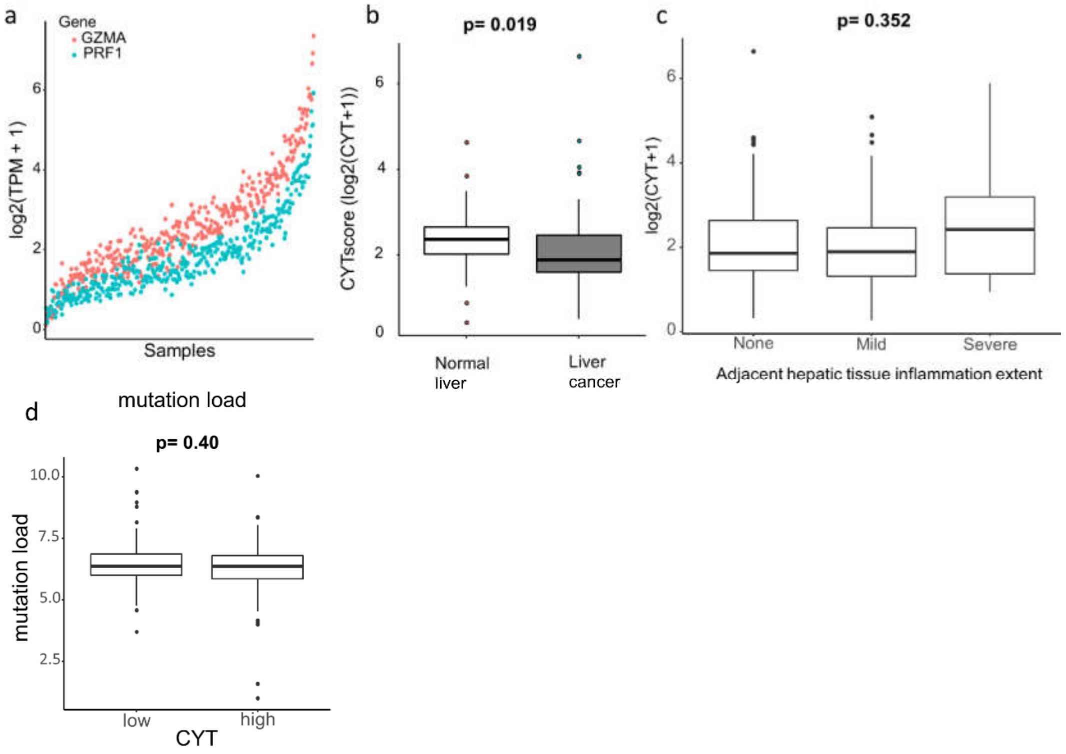

Figure S1. (a) Expression of GZMA and PRF1 in HCC: Normal distribution of cytolytic genes within the TCGA LIHC cohort. (b) CYT expression in 50 matched samples of liver cancer and normal liver (p = 0.019, the Wilcoxon signed rank test). (c) The boxplot depicting the CYT among the groups of adjacent hepatic tissue inflammation extent (p = 0.352, Kruskal Wallis test). (d) Mutation load between the CYT-high (185 patients) and CYT-low (186 patients) groups (p = 0.40, Mann-Whitney test).

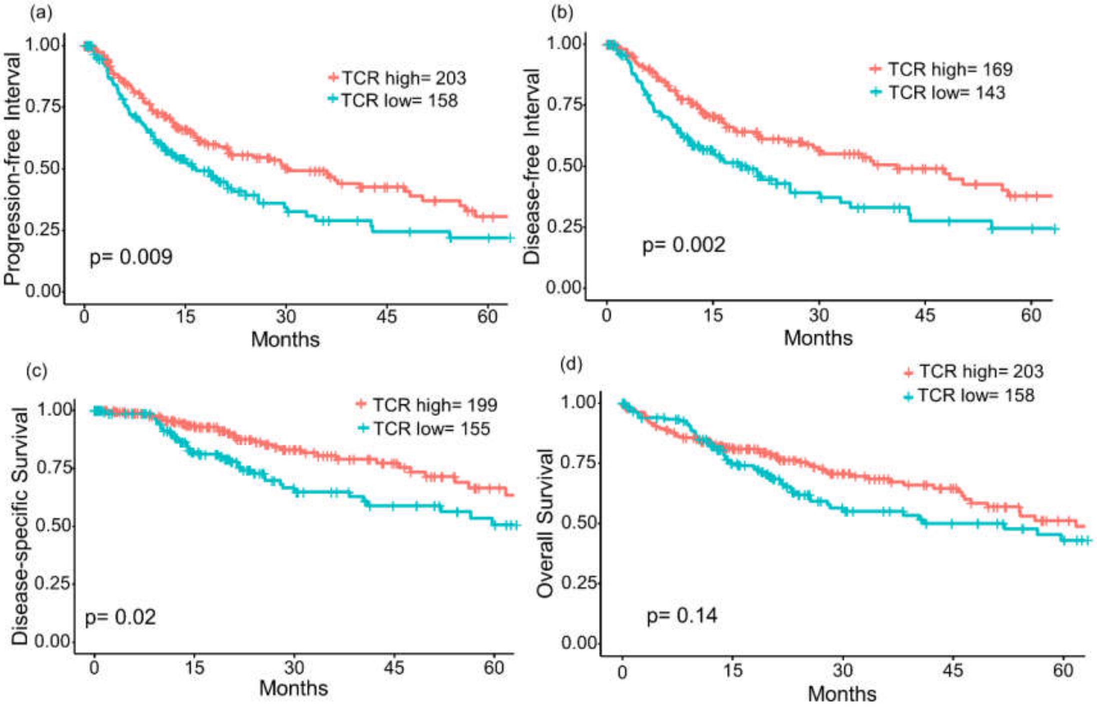

Figure S2. Survival analysis stratified by TCR (cut-off at the median value) in the TCGA LIHC patients, Kaplan-Meier curves of (a) PFI (p = 0.009), (b) DFI (p = 0.002), (c) DSS (p=0.02), and (d) OS (p = 0.14) in TCR-high vs. -low patients. Log-rank test was used to test group differences in the survival analysis.

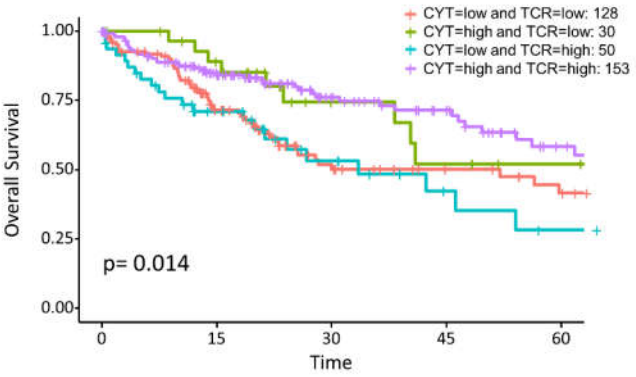

Figure S3. Survival analysis of the TCGA LIHC patients. Kaplan-Meier curve of OS stratified by the CYT and TCR (cut-off at the median value) (p = 0.014). Log-rank test was used to test group differences in the survival analysis.