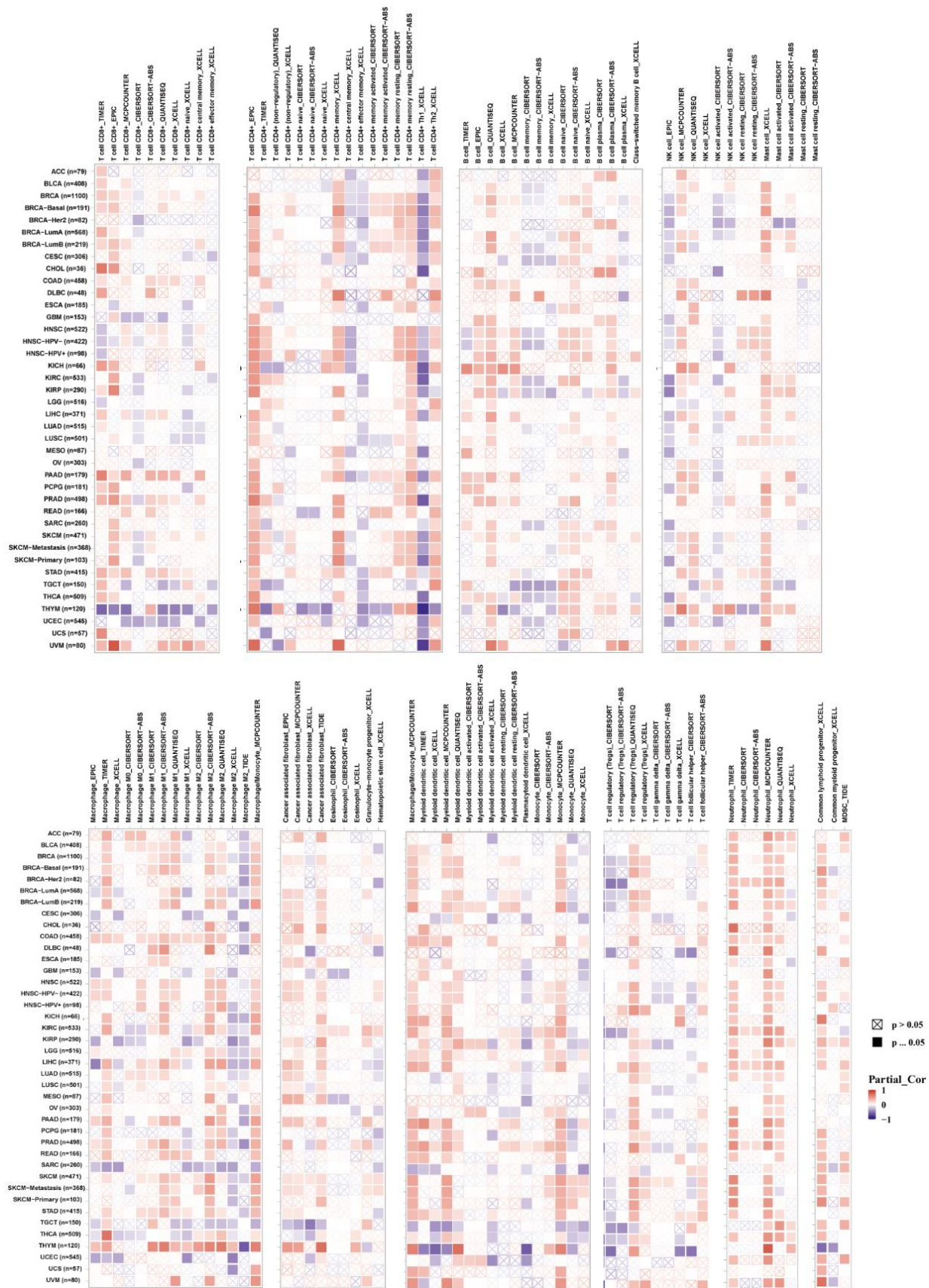
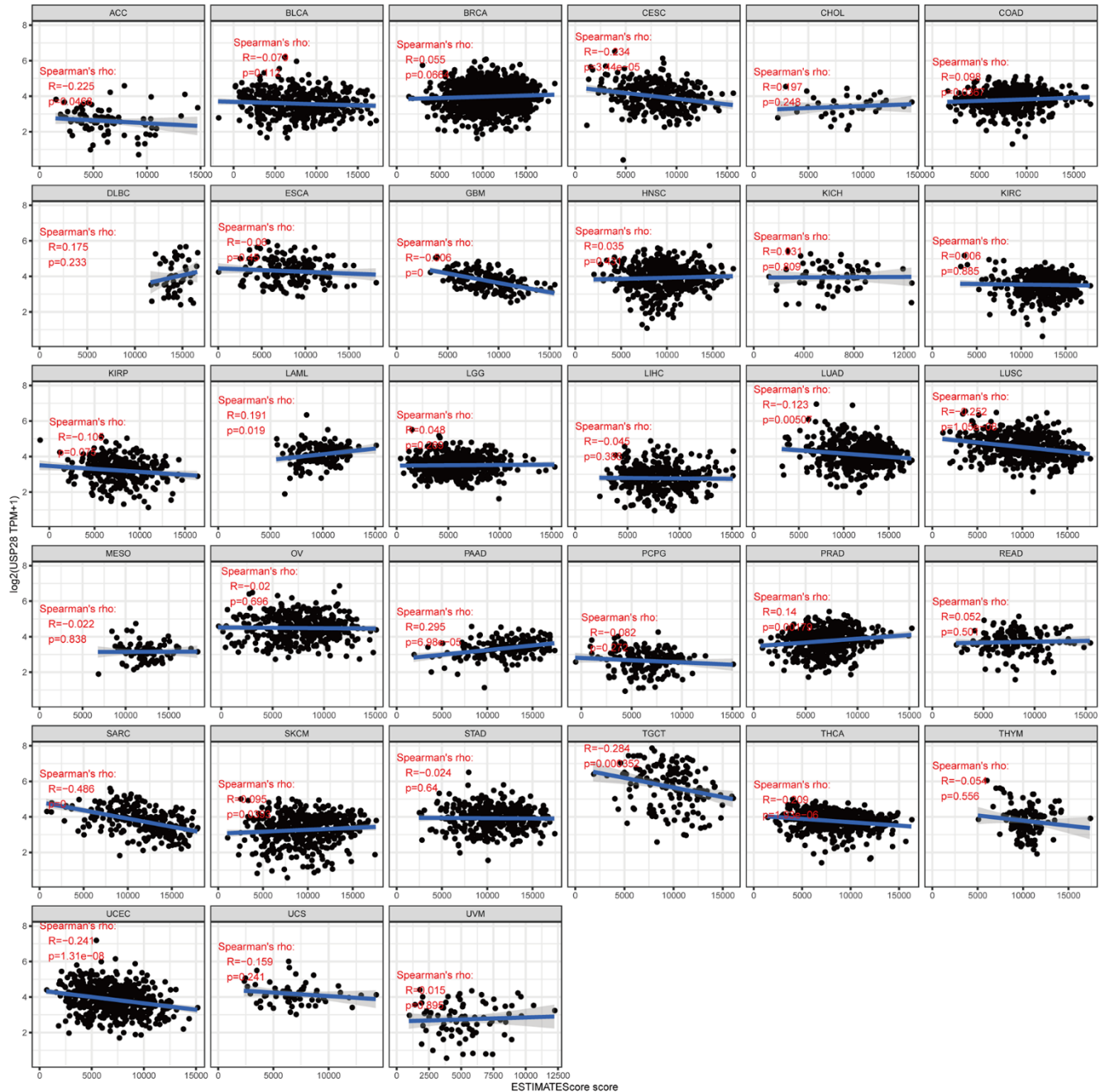


Supplementary Figure 2. The landscape of genetic alterations of USP28 in pan-cancer. (A) The entire mutation count of USP28 from the TCGA dataset is based on the cBioPortal tool. **(B)** The potential correlation between USP28 alteration and disease-specific, disease-free, progress-free survival in UCEC. **(C)** The correlations between USP28 expression and five MMR genes expression (MLH1, MSH2, MSH6, PMS2, and EPCAM) were described. **(D)** The associations between USP28 expression and four methylation transferases (DNMT1, DNMT2, DNMT3A, and DNMT3B) in different TCGA tumors were displayed. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$.



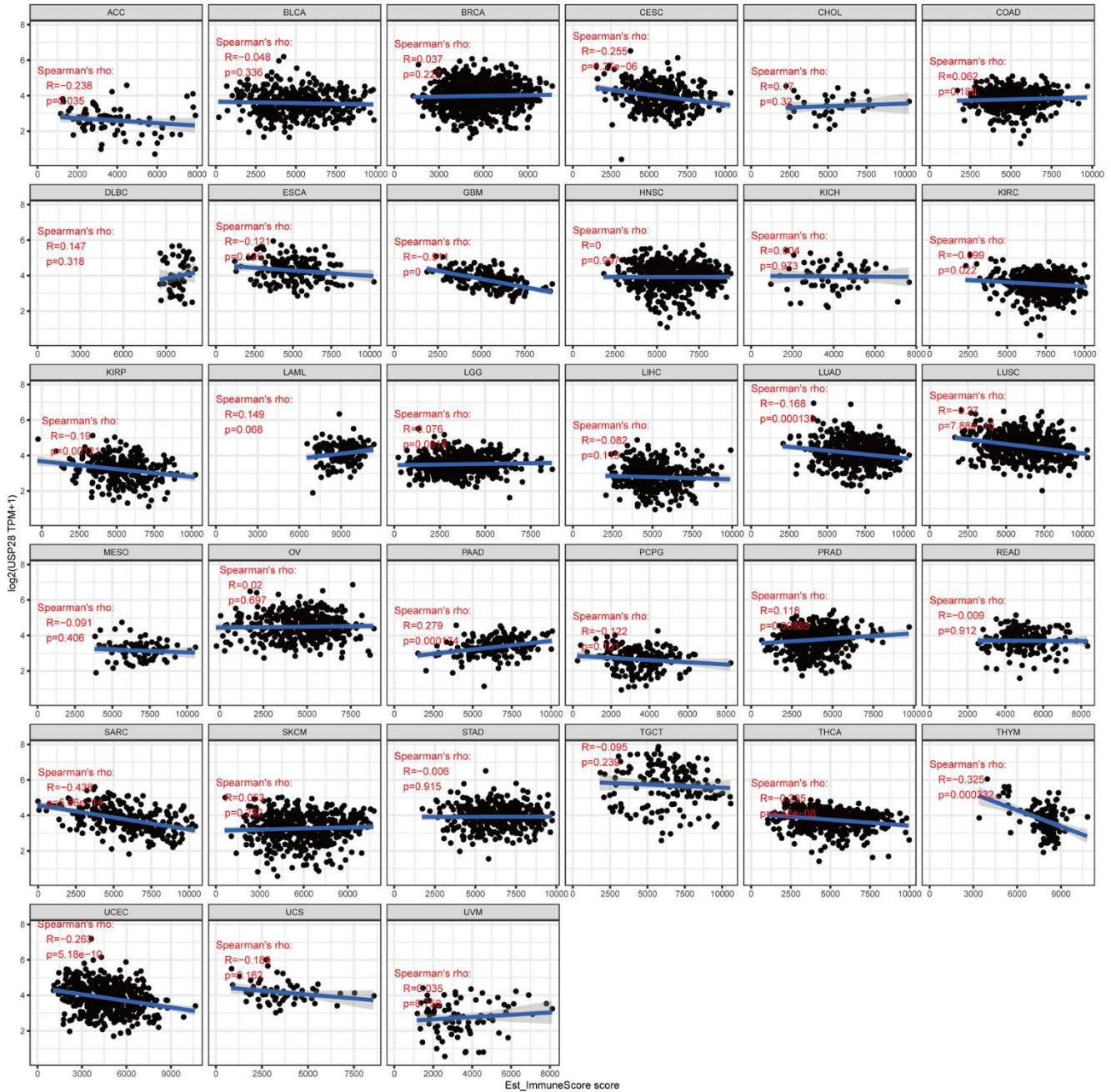
Supplementary Figure 3. Correlation between USP28 expression and immune cell infiltration in various pan-cancer types.

Relationship between USP28 expression and the ESTIMATEScores



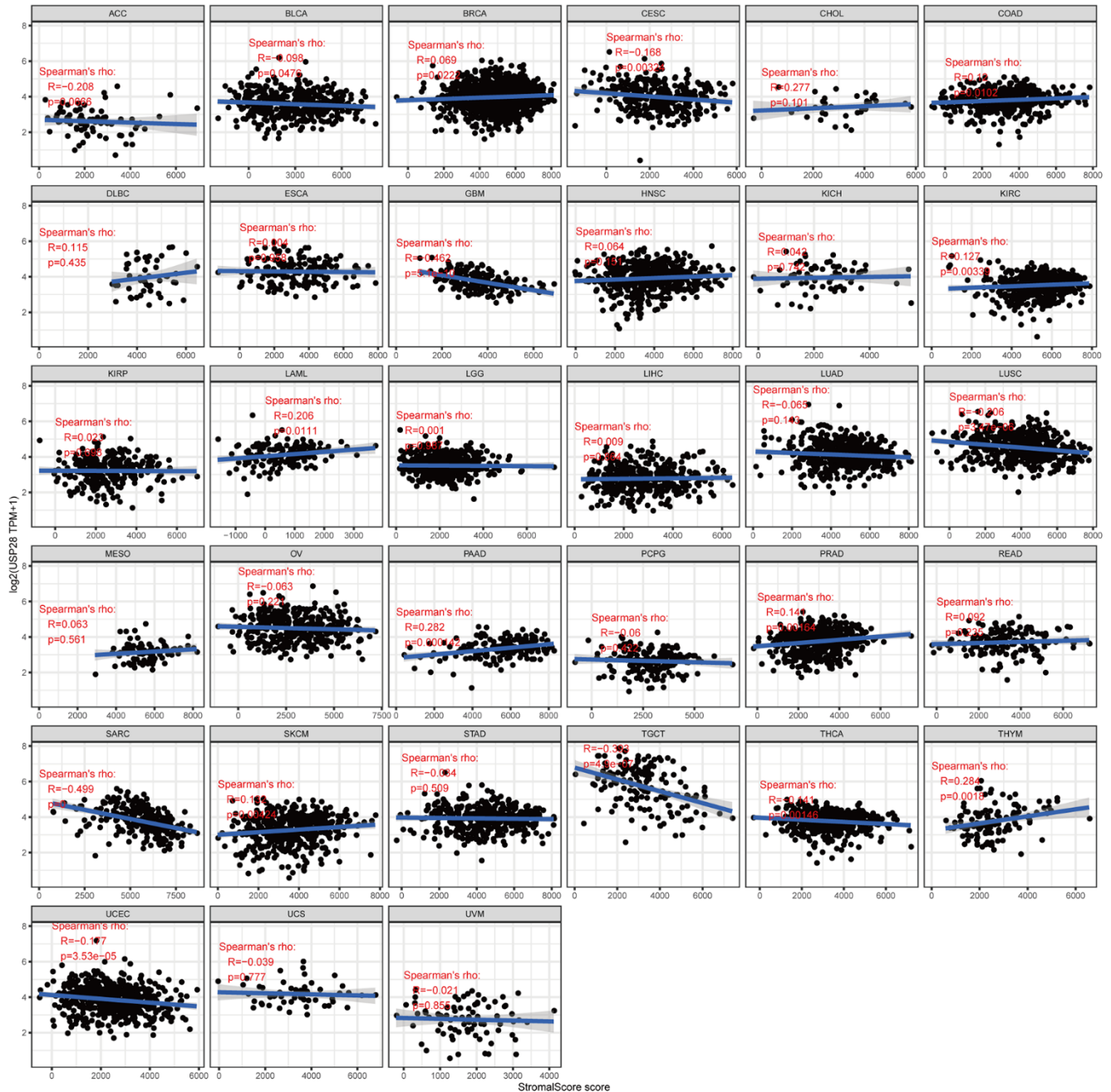
Supplementary Figure 4. Relationship between USP28 expression and EstimateScores in pan-cancer.

Relationship between USP28 expression and the Immunescores

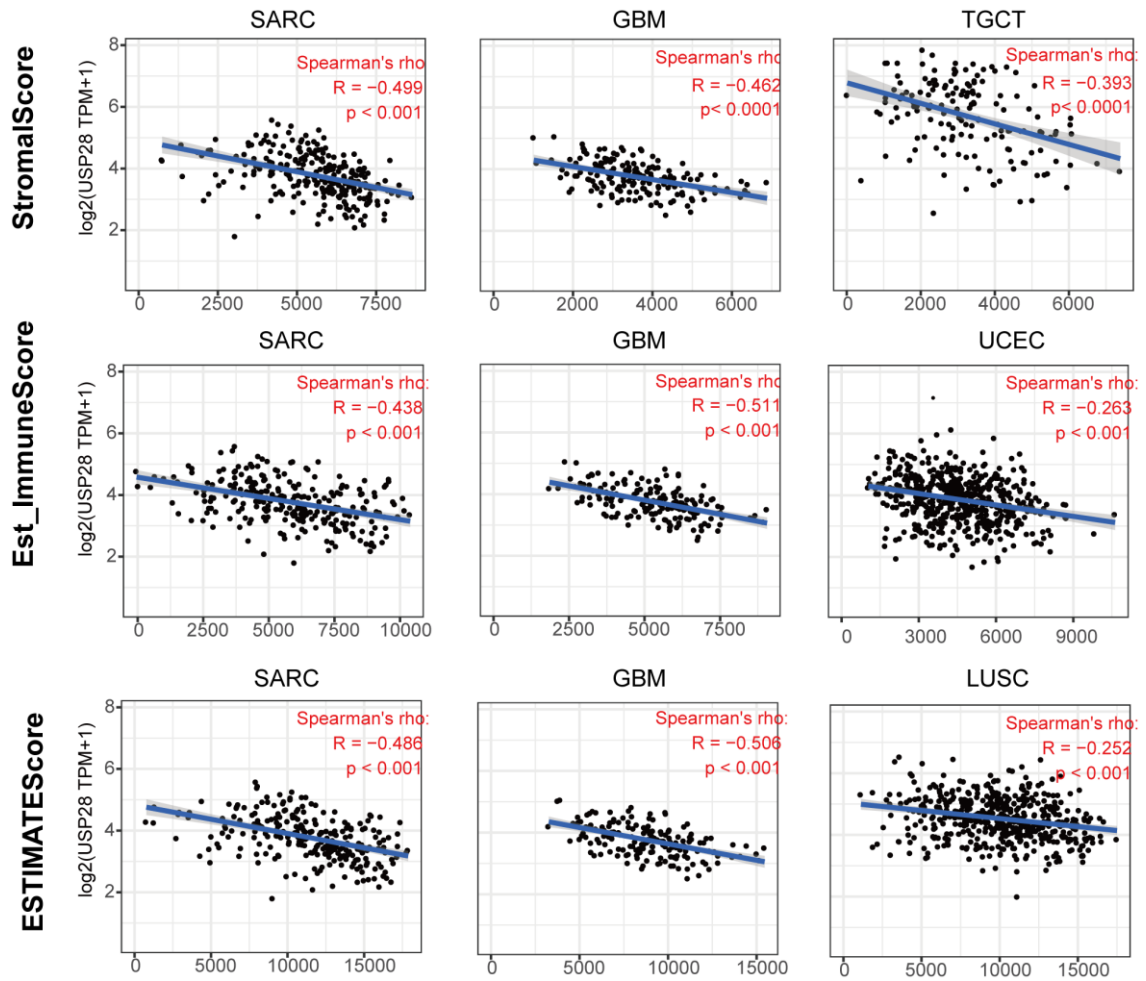


Supplementary Figure 5. Relationship between USP28 expression and ImmuneScores in pan-cancer.

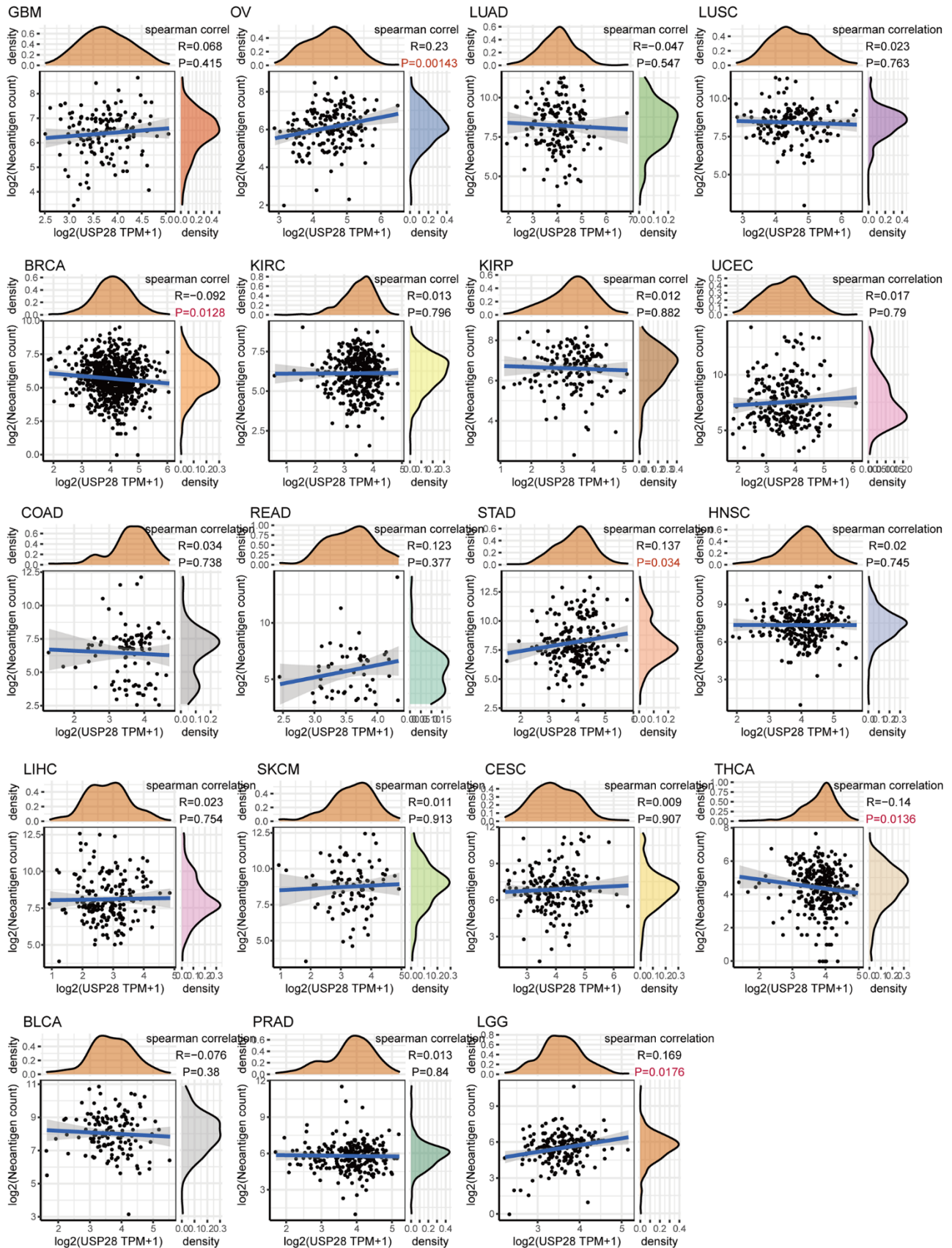
Relationship between USP28 expression and the StromalScores.



Supplementary Figure 6. Relationship between USP28 expression and StromalScores in pan-cancer.



Supplementary Figure 7. Top three cancers related with StromalScore, ImmuneScore, and EstimateScore based on USP28 levels.



Supplementary Figure 8. Relationship between USP28 expression and neoantigens in pan-cancer.