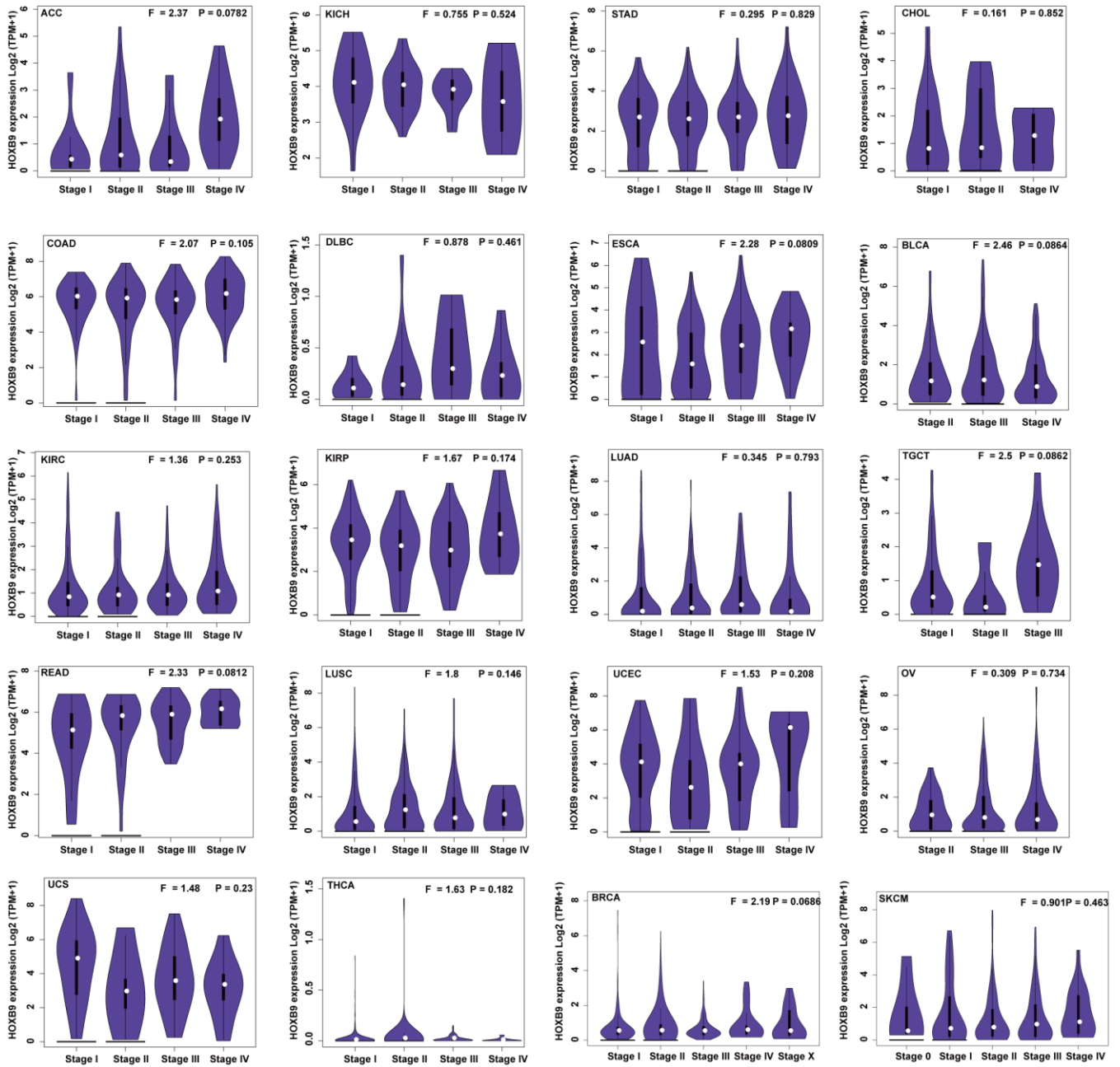


SUPPLEMENTARY FIGURES



Supplementary Figure 1. Based on the TCGA data, the expression levels of the HOXB9 gene were analyzed by the main pathological stages in 20 cancers.

Single cell expression of HOXB9 in pan-cancer



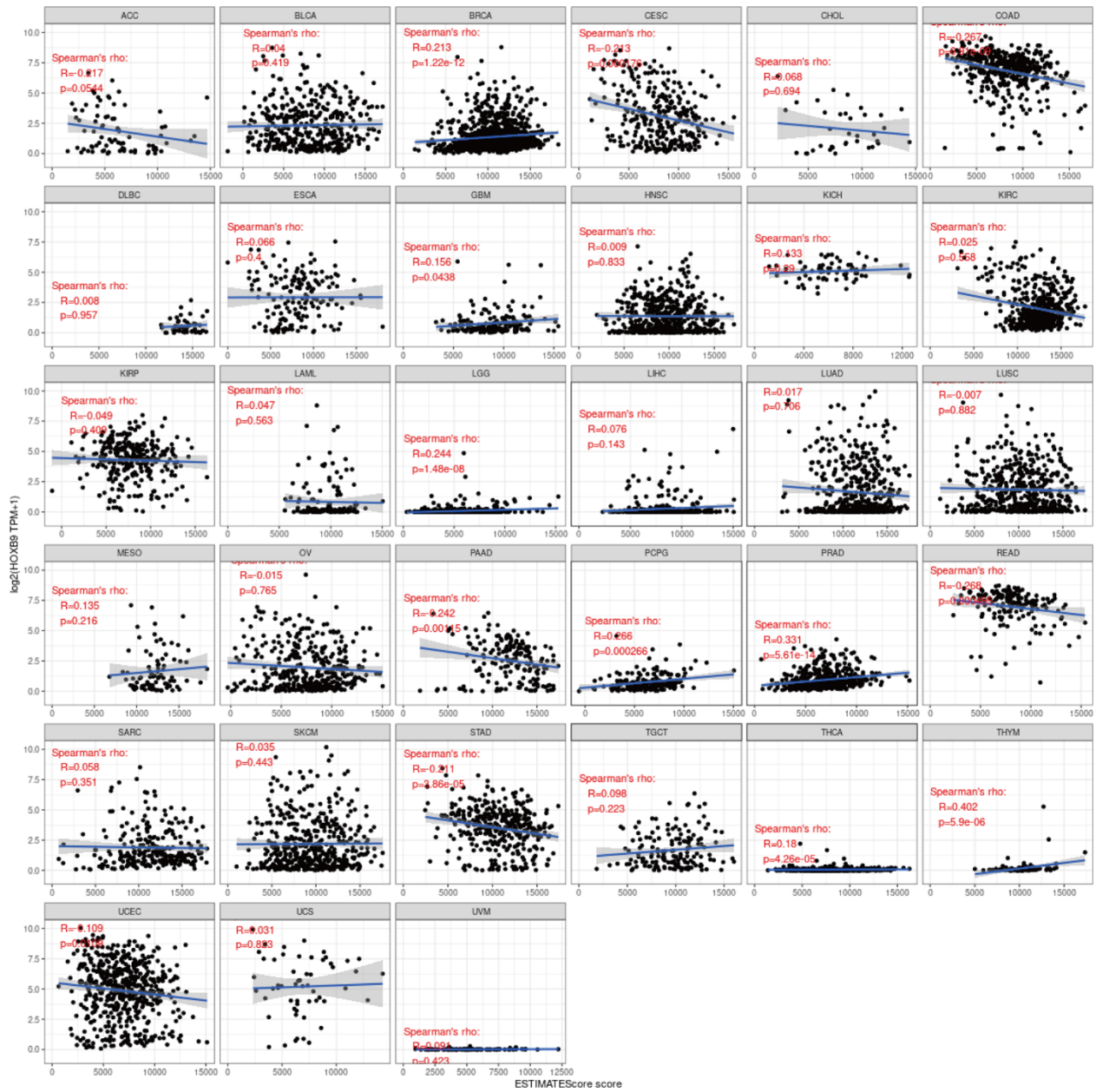
Supplementary Figure 2. HOXB9 expression at the single-cell level in the pan-cancer analysis.

Relationship between HOXB9 expression and the immunescores.



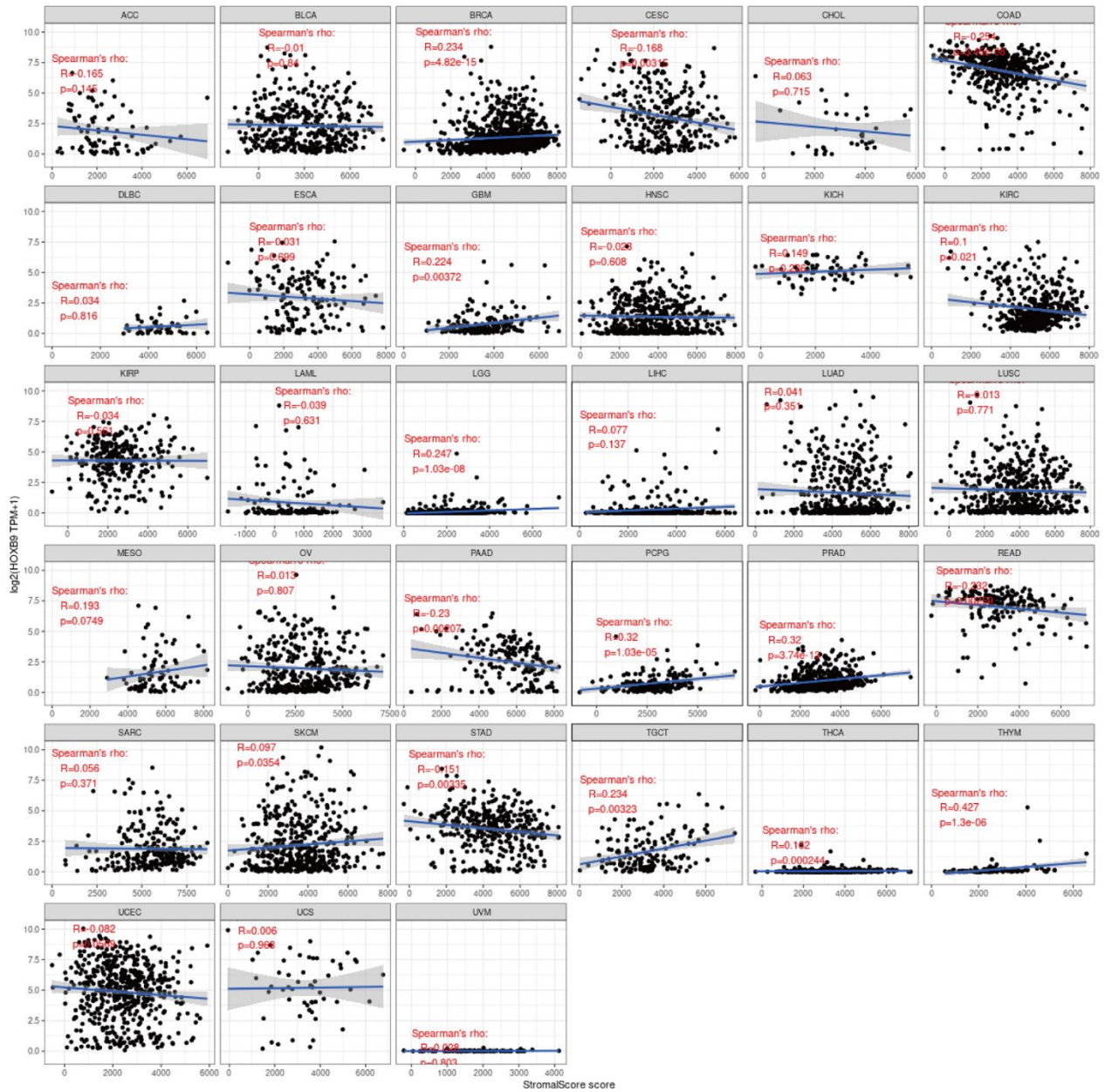
Supplementary Figure 3. Correlation analysis between expression levels of HOXB9 and immunescore in pan-cancer.

Relationship between HOXB9 expression and the estimatescores.



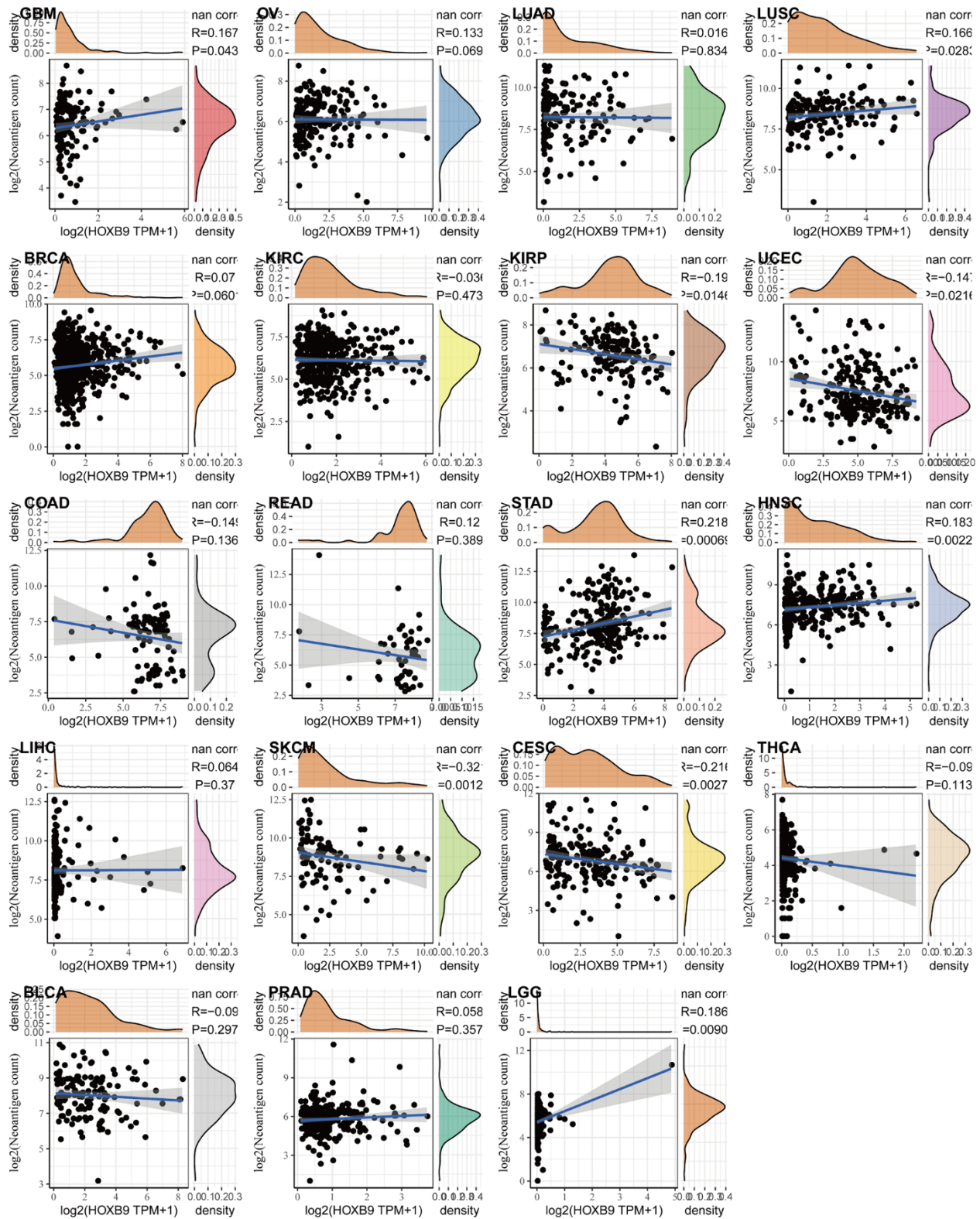
Supplementary Figure 4. Correlation analysis between expression levels of HOXB9 and estimatescore in pan-cancer.

Relationship between HOXB9 expression and the stromalscores



Supplementary Figure 5. Correlation analysis between expression levels of HOXB9 and stromalscore in pan-cancer.

Relationship between HOXB9 levels and neoantigens in pan-cancer



Supplementary Figure 6. Correlation analysis between HOXB9 expression in pan-cancer and the number of tumors neoantigens in pan-cancer.