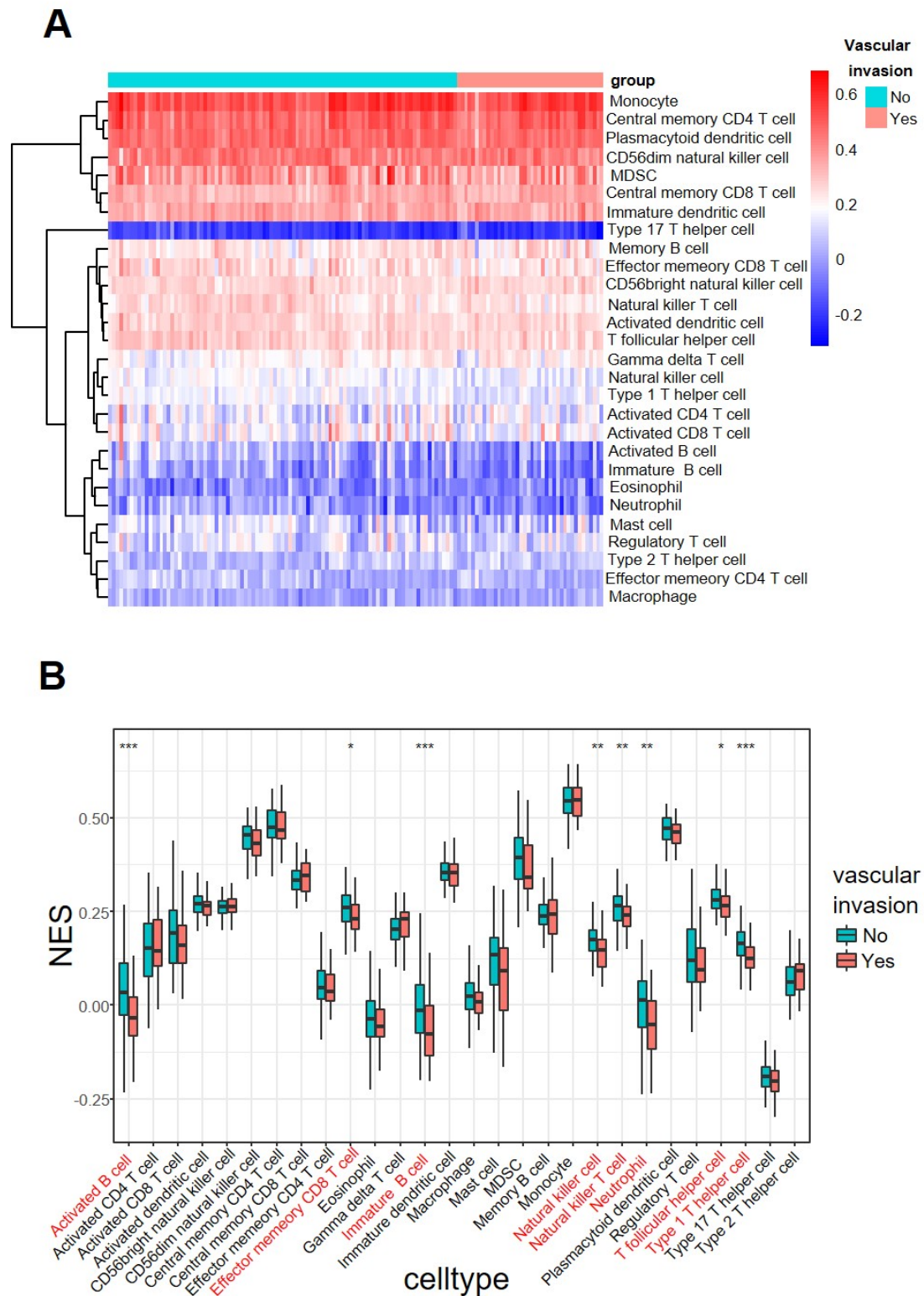


Supplementary Figure1



(A) Heat map of tumor-infiltrating cells in tumor tissues in patients with primary HCC and the HCC with vascular invasion in the GSE20017 dataset. Annotations on top show the clustering of samples. Green represents primary HCC, red represents HCC with

vascular invasion. (B) Bar plot for comparing the proportions of immune cells of HCC and HCC with vascular invasion.