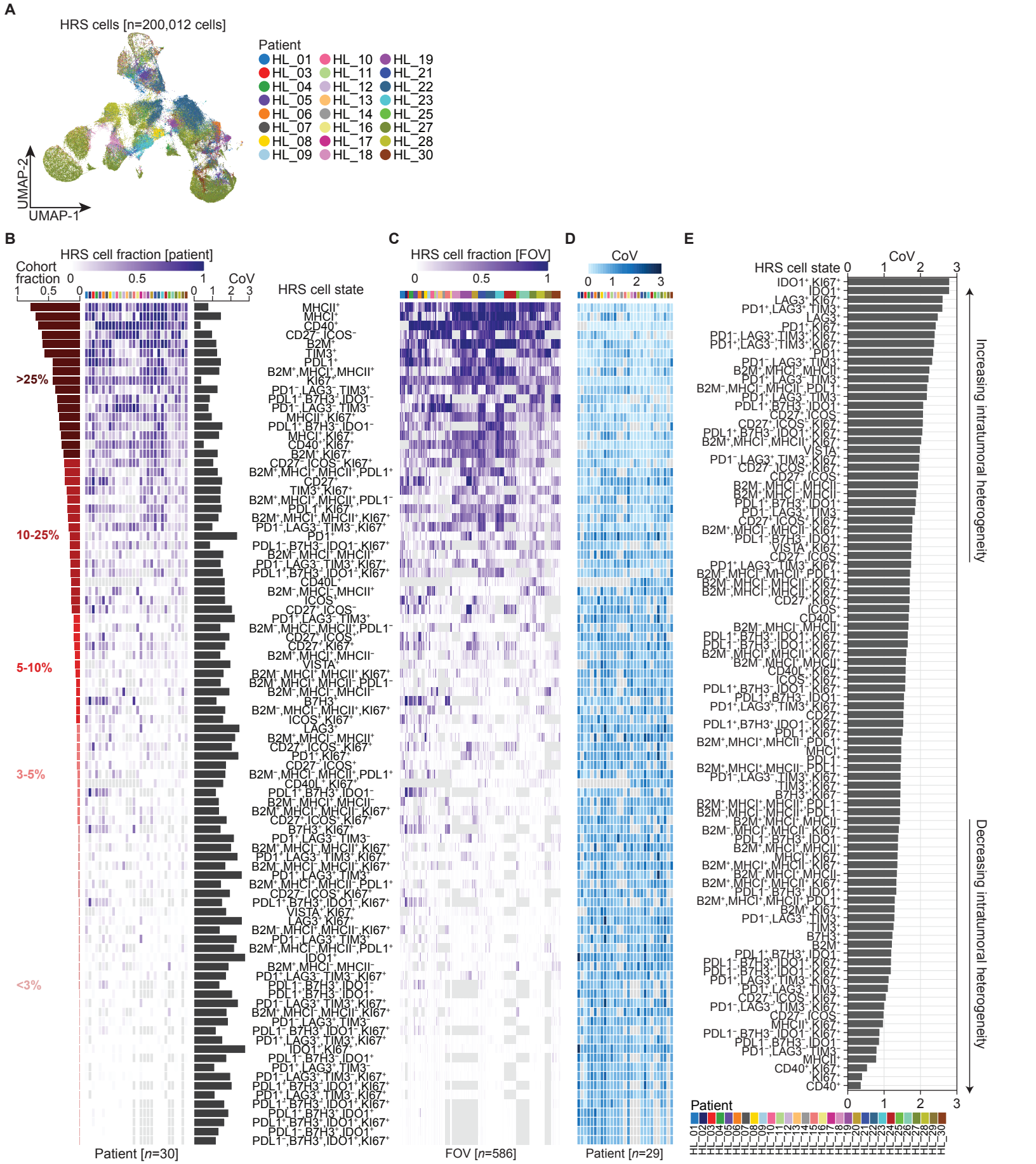

Supplementary Fig. S5. Heterogeneity in HRS cell states and their spatial distribution. A, Uniform manifold approximation and projection (UMAP) of Hodgkin Reed-Sternberg (HRS) cells profiled by multiplexed immunofluorescence colored by patient. **B,** Heatmap indicating the fraction of all HRS cell states (over total HRS cells) at the patient-level ordered by decreasing cohort fraction depicted by the bar graph (left). Grey indicates missing data. The bar graph (right) indicates the maximum coefficient of variation (CoV) for each cell state for patients with a minimum of 5 fields of view (FOV) (n=29). See also **Supplementary Table S7**. **C,** Heatmap indicating the fraction of all HRS cell states at the FOV-level for patients with a minimum of 5 FOVs. **D,** Heatmap indicating the CoV for each HRS cell state for patients with a minimum of 5 FOVs. **E,** Bar plot indicating the maximum CoV for each HRS cell state ordered by decreasing CoV.