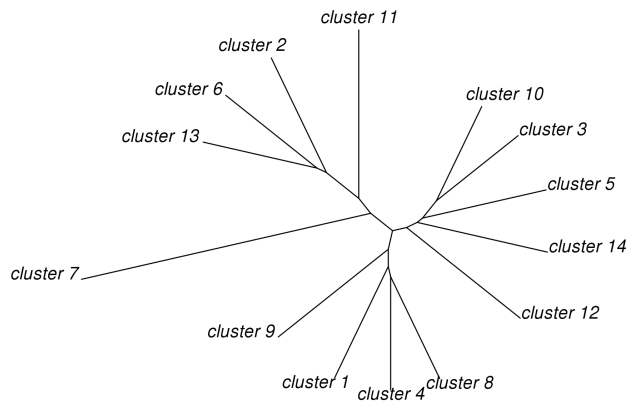


Supplementary Fig. 15

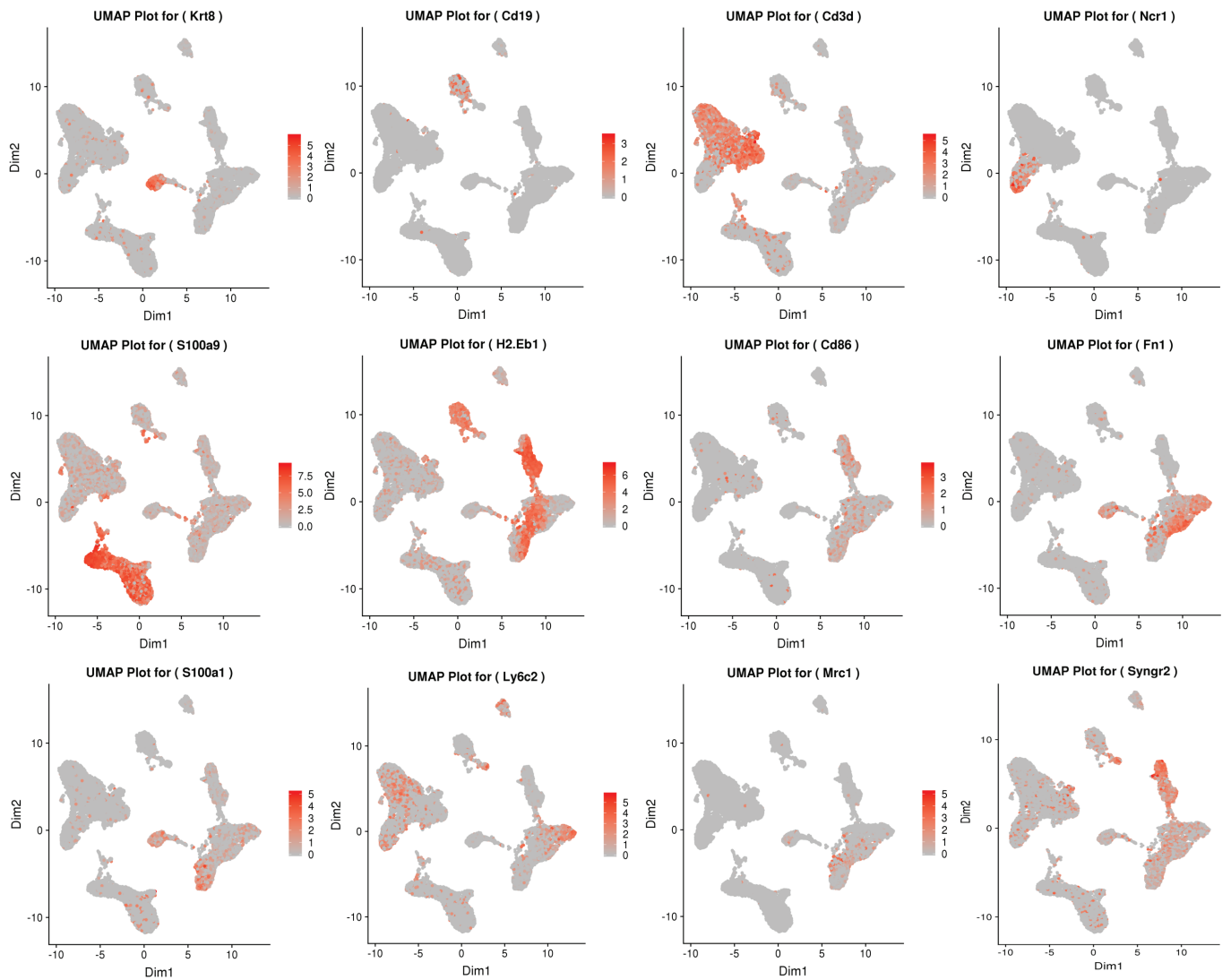
A



- 1. B cells
- 2. Neutrophils
- 3. Macrophages/Monocytes
- 4. NK cells
- 5. Dendritic cells
- 6. Neutrophils
- 7. Tumor cells

- 8. T cells
- 9. T cells
- 10. Macrophage/Monocytes
- 11. B cells
- 12. Dendritic cells
- 13. Neutrophils
- 14. Dendritic cells

B



Supplementary Figure 15. Primary clustering of tumor cells and immune cell populations. **A**, Unrooted pseudotime tree shows hierarchy of different cell populations identified. **B**, Umap plots showing the expression of selected marker genes in different clusters. Tumor cell marker *Krt8*, B cell marker *Cd19*, T cell marker *Cd3d*, NK cell marker *Ncr1*, Neutrophil marker *S100a9*, antigen presentation cell (APC) marker *H2.Eb1*, costimulatory molecule *Cd86*, macrophage marker *Fn1* and *S100a1*, monocyte marker *Ly6c2*, M2 macrophage marker *Mrc1* and dendritic cell marker *Syng2* were labeled on the Umap plots separately.