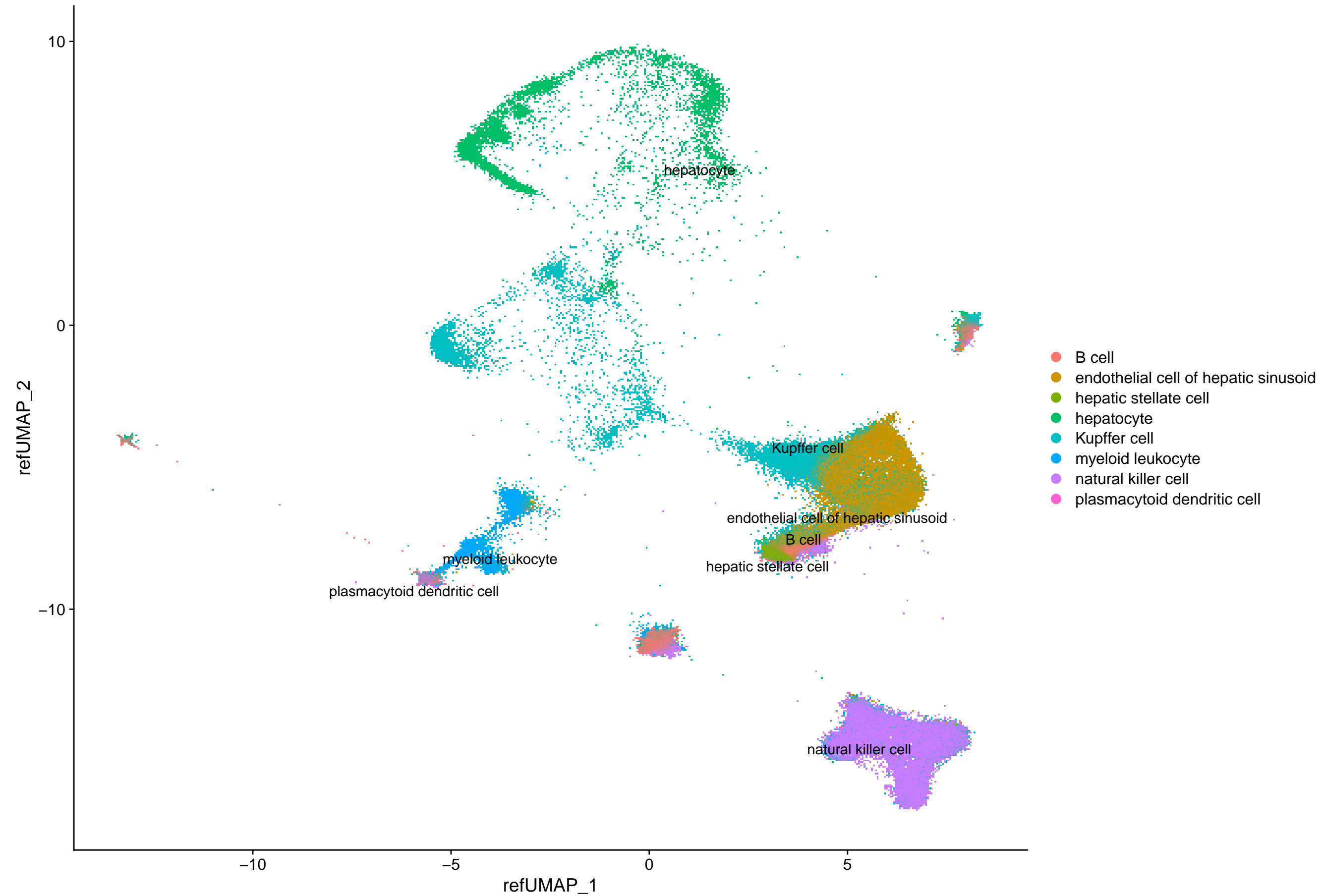
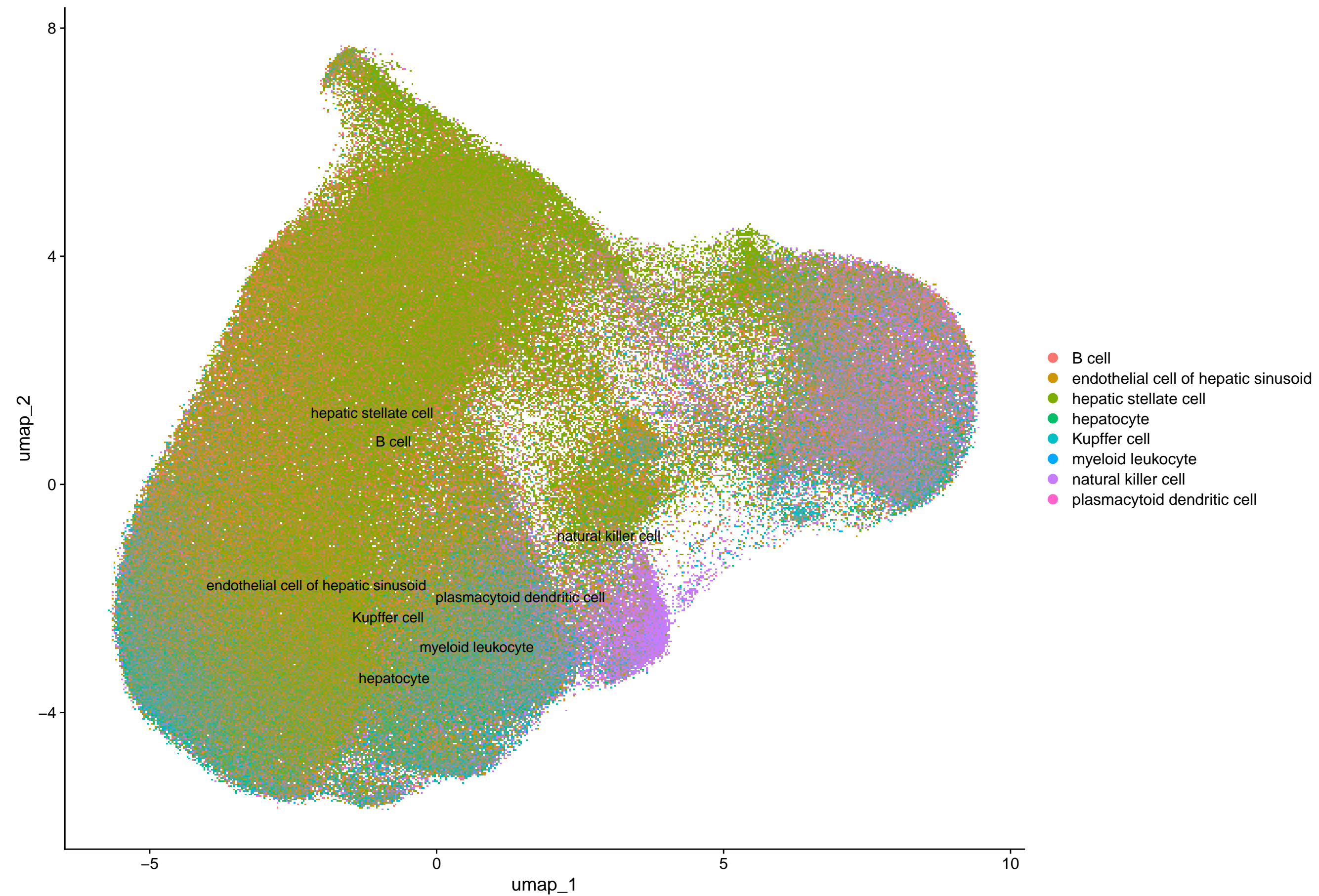


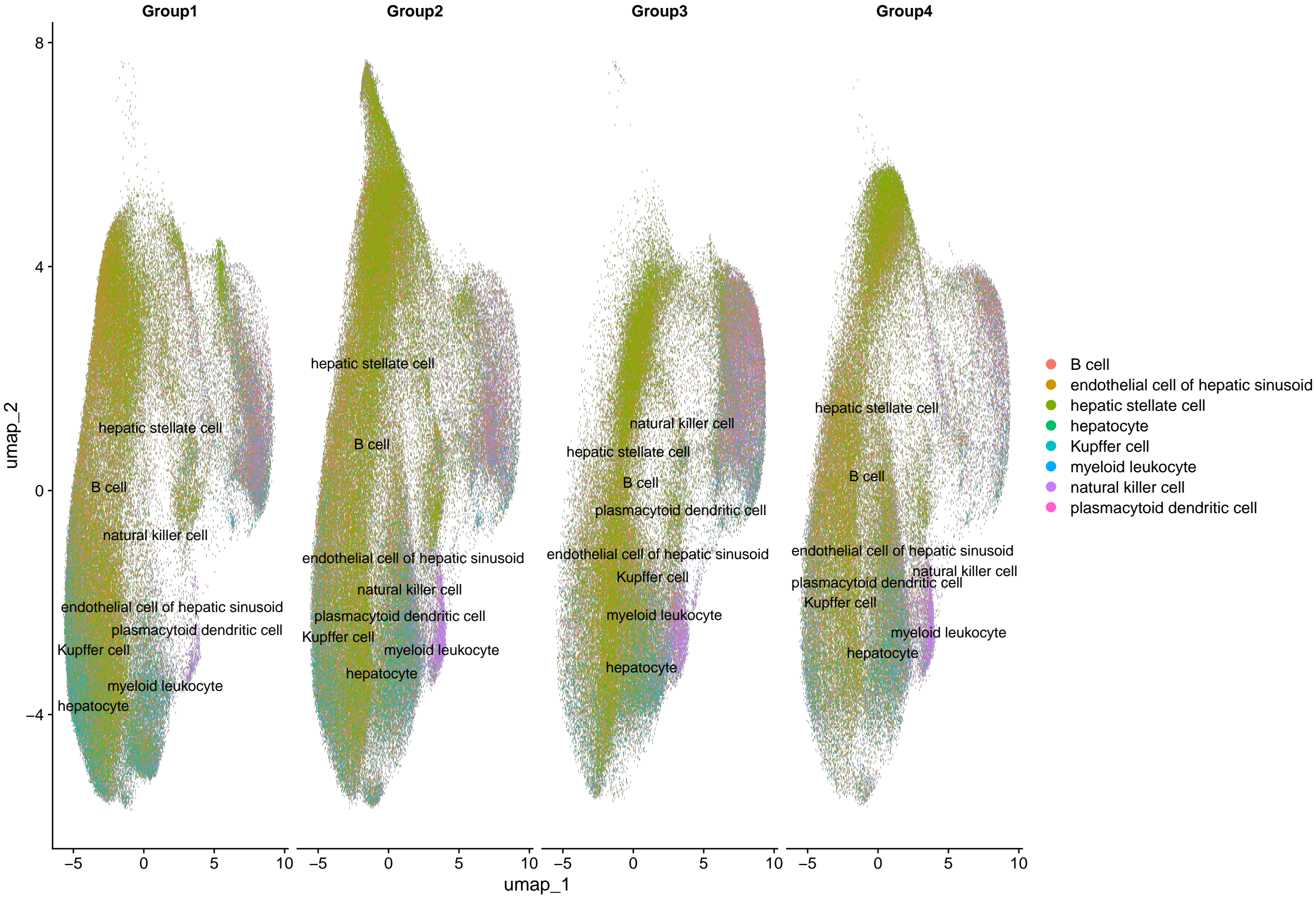
CosMx Cells Projected onto Reference UMAP Sapce



Predicted Cell Types in CosMx UMAP Space



Predicted Cell Types in CosMx Split by Groups



Predicted Cell Types in CosMx Split by Tissue

KOKOM1

WTKOM1

umap_2

8
4
0
-4

umap_1

-5 0 5 10 -5 0 5 10

- B cell
- endothelial cell of hepatic sinusoid
- hepatic stellate cell
- hepatocyte
- Kupffer cell
- myeloid leukocyte
- natural killer cell
- plasmacytoid dendritic cell

hepatic stellate cell

B cell

natural killer cell

endothelial cell of hepatic sinusoid

Kupffer cell

myeloid leukocyte

hepatocyte

plasmacytoid dendritic cell

hepatic stellate cell

B cell

natural killer cell

endothelial cell of hepatic sinusoid

Kupffer cell

myeloid leukocyte

hepatocyte

plasmacytoid dendritic cell

Spatial Distribution of Predicted Cell Types

Group1

Group2

Group3

Group4

SPATIAL_2

150000

100000

50000

0

0 25000 50000 75000 100000 0 25000 50000 75000 100000 0 25000 50000 75000 100000 0 25000 50000 75000 100000

SPATIAL_1

- B cell
- endothelial cell of hepatic sinusoid
- hepatic stellate cell
- hepatocyte
- Kupffer cell
- myeloid leukocyte
- natural killer cell
- plasmacytoid dendritic cell

Spatial Distribution of Predicted Cell Types Split by Experimental Group

KOKOM1

WTKOM1

SPATIAL_2

SPATIAL_1

- B cell
- endothelial cell of hepatic sinusoid
- hepatic stellate cell
- hepatocyte
- Kupffer cell
- myeloid leukocyte
- natural killer cell
- plasmacytoid dendritic cell

