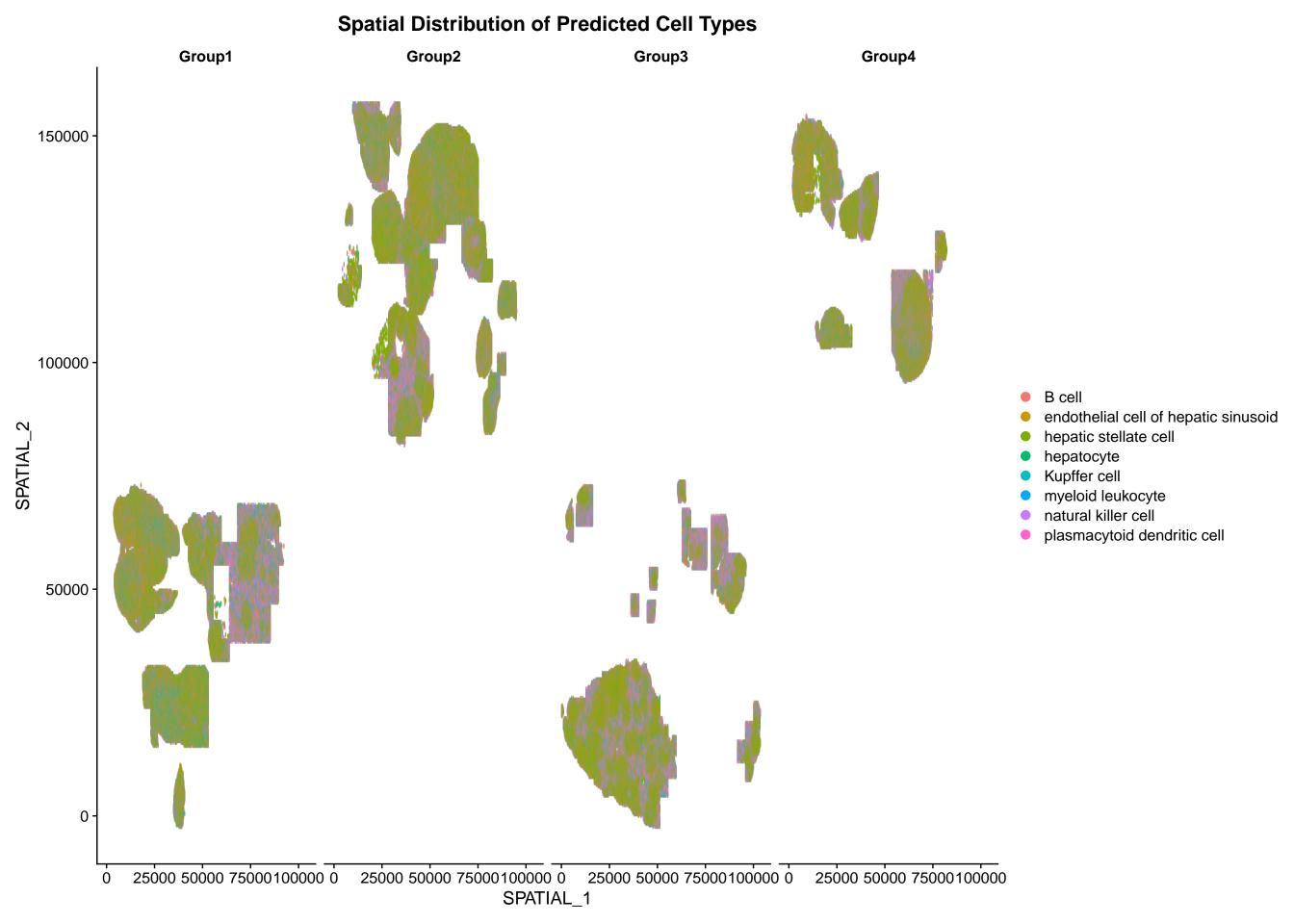


Predicted Cell Types in CosMx Split by Groups Group1 Group2 Group3 Group4 8 hepatic stellate cell B cell endothelial cell of hepatic sinusoid umap_2 hepatic stellate cell hepatic stellate cell natural killer cell hepatic stellate cell hepatocyte B cell Kupffer cell hepatic stellate cell myeloid leukocyte B cell B cell natural killer cell B cell 0 plasmacytoid dendritic cell plasmacytoid dendritic cell natural killer cell endothelial cell of hepatic sinusoid endothelial cell of hepatic sinusoid endothelial cell of hepatic sinusoid natural killer cell plasmacytoid dendritic cell Kupffer cell natural killer cell Kupffer cell endothelial cell of hepatic sinusoid myeloid leukocyte plasmacytoid dendritic cell plasmacytoid dendritic cell myeloid leukocyte Kupffer cell Kupffer cell myeloid leukocyte hepatocyte hepatocyte hepatocyte myeloid leukocyte hepatocyte 10 –5 0 5 10 -5 0 5 0 10 -5 10 umap_1

Predicted Cell Types in CosMx Split by Tissue KOKOM1 WTKOM1 8 B cell endothelial cell of hepatic sinusoid hepatic stellate cell umap_2 hepatic stellate cell hepatocyte hepatic stellate cell B cell Kupffer cell natural killer cell myeloid leukocyte B cell natural killer cell 0 plasmacytoid dendritic cell endothelial cell of hepatic sinusoid natural killer cell -plasmacytoid dendritic cell endothelial cell of hepatic sinusoid Kupffer cell plasmacytoid dendritic cell myeloid leukocyte Kupffer cell hepatocyte myeloid leukocyte hepatocyte <u>-</u>5 10 10 -5 0 5 umap_1



Spatial Distribution of Predicted Cell Types Split by Experimental Group KOKOM1 WTKOM1 150000 100000 -B cell endothelial cell of hepatic sinusoid SPATIAL_2 hepatic stellate cell hepatocyte Kupffer cell myeloid leukocyte natural killer cell plasmacytoid dendritic cell 50000 0 -75000 100000 0 SPATIAL_1 25000 50000 25000 50000 75000 100000 0