**Findings on the Unknown Labeled Cells**

**(they don’t have an HTO label)**

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The unknown cell type has a left shifted distribution in the number of RNA features. The red, dashed lines indicate the cutoff I use for the downstream analysis. Didn’t see a different shift in the percent of mitochondrial genes or in the number of different genes expressed.

After subsetting (on number of RNA features and percentage of mitochondrial genes), the data there were 7,678 cells of which 1,557 were of unknown cell type (21%).



From this plot of the UMAP projections are found in all of the clusters.



The above table shows the percentage of cells from each state individually in the cluster. The sum across the rows is equal to one. The unknown cell types are present in all the clusters, but clusters 9 and 7 are where a large percentage of these cells are present (36%).



In this table, we are showing distribution of the cells in each cluster, each column sum is 100%. We see that clusters 9, 7, and 14 are made up of a majority of unknown cells.