Figure 3 - Find Bat-specific immune adaptations what is the negative control?-- random group of cells what about bat-specific or human-specific sequences? Barplot of fraction of differentially expressed k-mers UMAP of Bat + human + found in aligned/unaligned reads Interesting mouse + lemur k-mer Differential k-mer Not in genome In reference Myeloid ■ Not in genome assembly assembly genome **Hypothetical data** Unannotated gene ■ Non-orthologous gene Not in a gene În a gene ■ Known ortholog Lympoid Unknown **Hypothetical data** homolog homolog D Alignment of assembled Bat interferon UMAP of Bat + human+ proteins sequences and known human ones

Bat

30 25 20 15 10 05 40

Human

Hypothetical data

mouse + lemur colored by

interferon-like gene expression

Hypothetical data