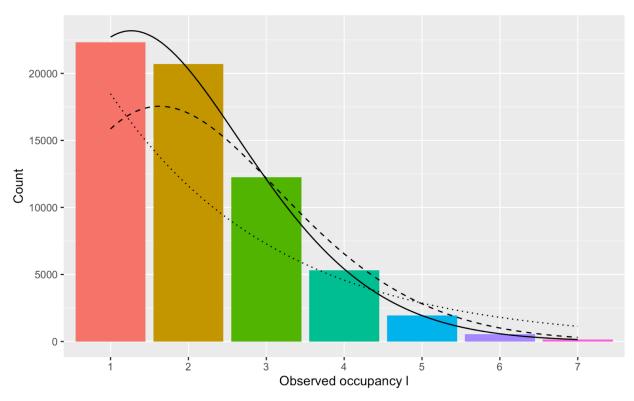
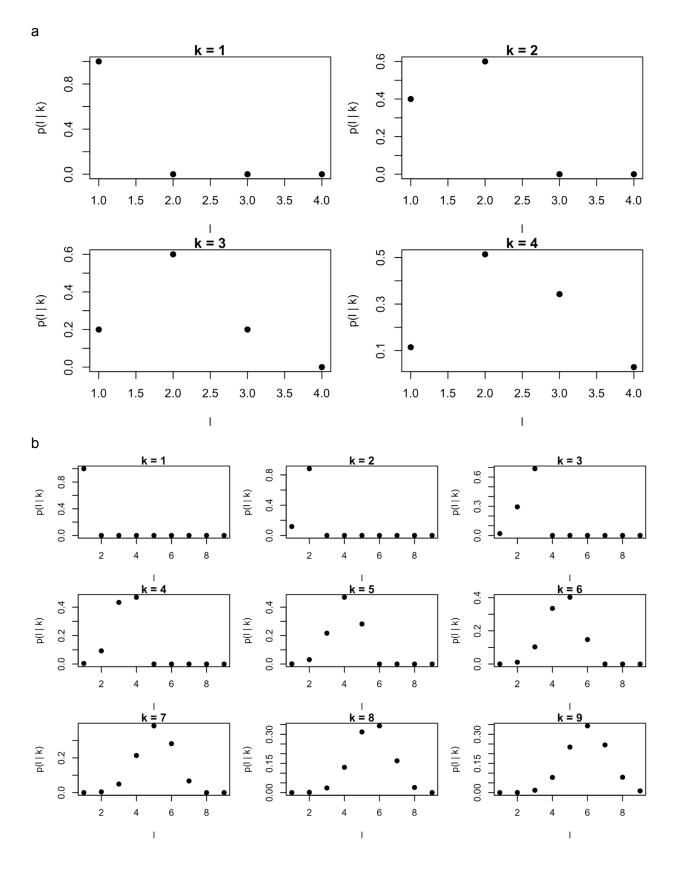
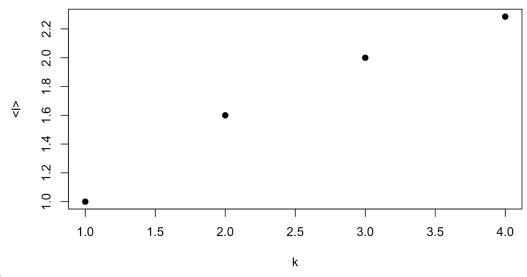
Supplementary materials More cells, more doublets in highly multiplexed single-cell data



Supplementary Figure 1: Histogram showing the observed occupancy of droplets in the PBMC data set. Curves indicate fits to the data, with a Poisson fit (dashed line), zero-truncated Poisson fit (solid line) and exponential fit (dotted line).

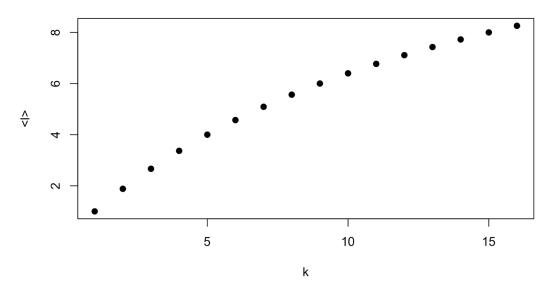


Apparent occupancy vs true, n = 4

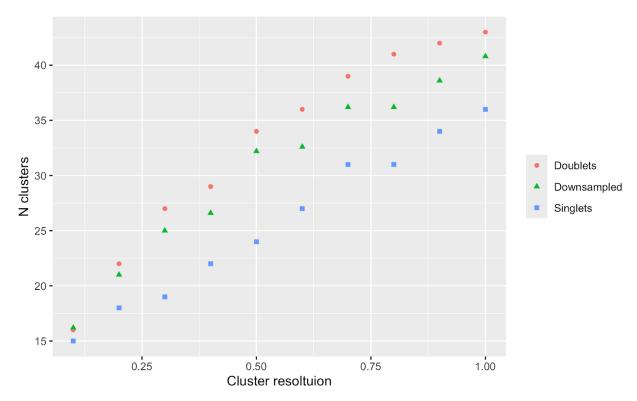


d

Mean apparent occupancy vs true, n = 16



Supplementary Figure 2: Conditional probability of observing occupancy I given true occupancy k for a) n = 4 and b) n = 16. Mean observed occupancy <I> vs k for c) n = 4 and d) n = 16



Supplementary Figure 3: Number of clusters vs clustering resolution for: PBMC data set with doublets included (red circles), PBMC data set with doublets called by scDblFinder removed (blue squares), Downsampled data set with same number of cells as the singlet-only dataset, but same doublet fraction as full data set (green triangles). The downsampled values shown are the mean values from 10 downsampling experiments.