1.Question: What is min.features? Describe it and min.features = 100.

min.features is a parameter used in the creation of Seurat objects in single-cell RNA-seq analysis. It defines the minimum number of features (genes) that a cell must express to be included in the analysis. In other words, cells with fewer expressed features than this threshold will be filtered out from further analysis.

Setting min.features = 100 means that only cells expressing at least 100 genes will be retained in the analysis. This threshold is often used to filter out low-quality cells or potential contaminants that may not be biologically relevant.

2.Question: Report nCount_RNA and nFeature_RNA for AAACATACATTTCC-1 (2nd item) from the ctrl raw feature bc matrix

- [1] "nCount RNA for AAACATACATTTCC-1: 3125"
- [1] "nFeature_RNA for AAACATACATTTCC-1: 896"

For the cell with barcode AAACATACATTTCC-1 from the ctrl raw feature bc matrix:

nCount_RNA: 3125 nFeature_RNA: 896

These values indicate that this particular cell has a total RNA count of 3125 and has 896 detected features.

The github link mentioned below

https://github.com/anuhoshalli25/BCB5250