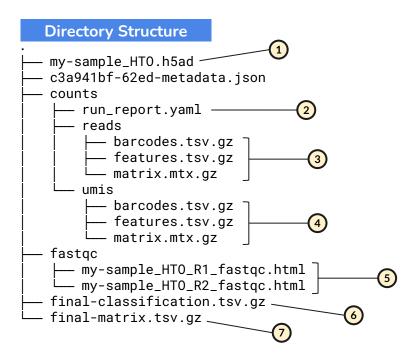
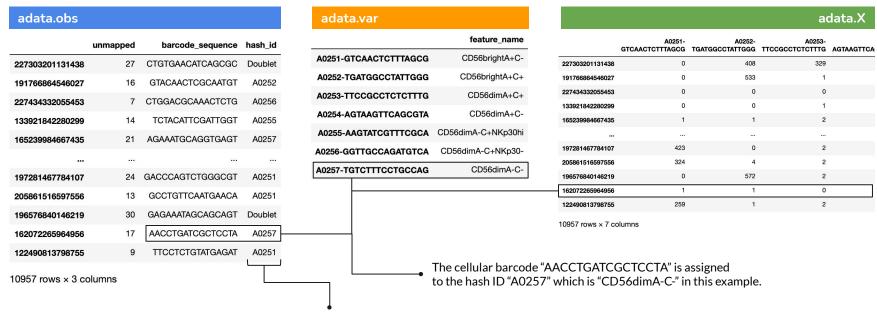
Understanding Outputs

In addition to cell barcode/UMI correction and quantification, cells are demultiplexed to their sample-of-origin and cross-sample doublets are identified.



- 1. AnnData (h5ad)
- 2. Mapping rate, error correction, and a few other information
- 3. Read counts matrix
- 4. UMI counts matrix
- 5. Quality control checks on raw sequence data
- 6. Hashtag classification
- 7. Gene expression matrix + hashtag classification

AnnData (*.h5ad)

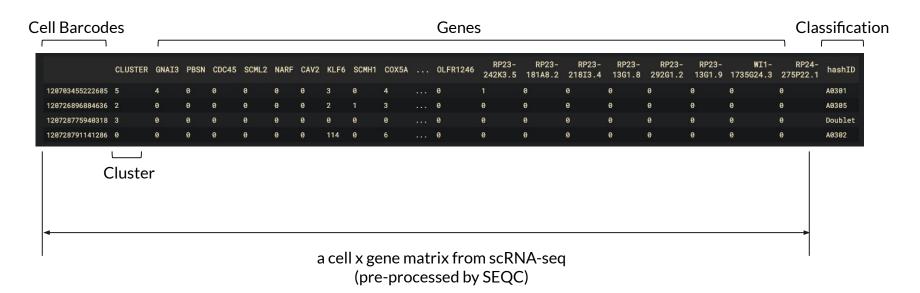


Hashtag Classification:

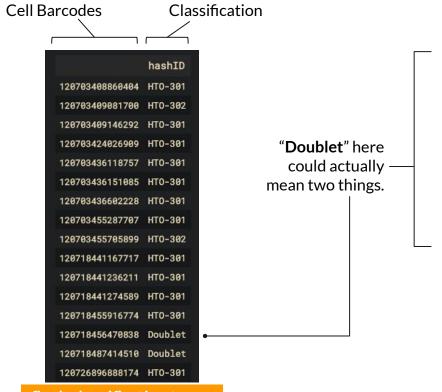
the hash ID assigned by the classification algorithm for the given cellular barcode.

Understanding Outputs

final-matrix.tsv.gz



Understanding Outputs



Doublet or Multiplet:

e.g. Difficult to pick one (it could be either HTO_301 or HTO_302)

| | HT0_301 | HT0_302 | HT0_303 | HT0_304 |
|------------------|---------|---------|---------|---------|
| GCGATCGCAGCTATAC | 2052 | 3235 | 2 | 1 |
| AAACGCTCATACATCG | 2074 | 1088 | 1 | 0 |
| ATGAGTCTCACGACTA | 2129 | 2415 | 3 | 0 |
| CTTGAGAAGGCACAAC | 1946 | 2539 | 0 | 0 |
| | | | | |

2 Negative:

e.g. Difficult to pick one because of the background noise or low number of reads/UMIs present

| | HT0_301 | HT0_302 | HTO_303 | HTO_304 |
|------------------|---------|---------|---------|---------|
| AACCACACAAATACAG | 17 | 4 | 19 | 1 |
| TGTGATGAGTAGGGTC | 22 | 10 | 18 | 0 |

final-classification.tsv.gz