File types

Learning outcomes

After having completed this chapter you will be able to:

- Describe the fasta and fastq file format

- Describe which information can be stored in a standard Illumina fastq title

- Reproduce how and why base quality is stored in a fastq file as a single ASCII character

- Lookup relevant information of an alignment in the header of a sam file

- Describe what information is stored in each column of a sam file

- Describe how information is stored in a sam flag

- Describe the bed and gtf file format

- Describe vcf file format

Material

File types (5 of 5)

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File definition websites:

- FASTQ (wikipedia)
- GFF (ensembl)
- VCF (Wikipedia)
- SAM:
  - Wikipedia
  - samtools
  - Zhuyi Xue