./notebooks/grep

tr

June 24, 2025

1 grep

For finding occurances within files

1.1 Useful flags

1. `grep -w` to only get exact occurance/whole word instead of part of another.

2. `grep -c` to print number of occurances (line counts) to stdout instead of the actual occurances

3. `grep -A NUM` for `NUM` count of lines after grep target to stdout

1.2 Example uses

```
$ cat vombaticus.gff3 | cut -f 3 | grep tRN

tRNA
tRNA
tRNA
tRNA
tRNA
tRNA
tRNA
tRNA

$ cat vombaticus.gff3 | cut -f 3 | grep -c tRN

8

$ grep -A1 ">" file.fa
```

To find header of new fasta when separated by `>`

./notebooks/wc

June 24, 2025

2 'wc'

For printing wordcount, newline count, and byte counts of file

2.1 Useful flags

`wc -l`

→ Line counts

`wc -w`

→ Word counts

`wc -c`

→ Byte counts

`wc -m`

→ Character counts (UTF-8)

2.2 Example uses

`wc -l file.txt`

→ Outputs line count for file.txt

`cat file.txt | wc -l`

→ Pipe into word count (same output as above)

`grep "apple" file.txt | wc -l`

→ Counts how many lines contain `apple`