**Objective** – To write a script to extract lines from one file that matches specific terms

**Steps –**

1. Every 4th line of targetnoN.fa file has a peak ID = eg. >MACS\_peak\_1

>MACS\_peak\_1

TCACTAACATCTTGGCCCTTACTGTAGGCAAATAAGGGAAGAGGAAAGGGCCAATGGCGAATTTCGGAAAGCTA

ATGTCTCTGCACGCCACGATCACCGGGAACAGGTAAAAGGAATCACAGCGAGCGAATGTCCAGGGGAGAAGATG

T

>MACS\_peak\_3

GGGCTGATTTTAAGCCCTTAAGCACATAATTTCAATTGCTGTATATATCACAAAACGGATTAATTTTGATTTTGACG

CGTGGCATTTCAAATCAGTGCCTCTGAGTGCAAAATACCCGGATCCGAGCCATTAATGCCTTACGGAGTTTTCATCC

A

1. Extract lines containing only these MACS\_peak\_IDs from input file - S\_w1118\_P53\_XR30\_peaks.bed
2. Column 4 of S\_w1118\_P53\_XR30\_peaks.bed file contains the MACS\_peak\_ID info
3. Output the entire line if it contains the MACS\_peak\_ID

* Will be useful to supply these 2 files as argument, to be able to run on multiple files