conda install meme

tar -xvzf motif\_databases.12.18.tgz

sort -nk 5 ER4\_peaks.narrowPeak | tail -100 > ER4\_top\_100\_peaks.narrowPeak

bedtools getfasta -fi chr19.fa -bed ER4\_top\_100\_peaks.narrowPeak -fo top\_100\_binding\_sites.fa

meme-chip -db /Users/cmdb/qbb2018-answers/class\_8/motif\_databases/JASPAR/JASPAR\_CORE\_2016.meme top\_100\_binding\_sites.fa

bedtools intersect -a fimo.gff -b ER4\_top\_100\_peaks.narrowPeak > ER4\_fimo.bed

bedtools intersect -wa -wb -a top\_100\_binding\_sites.fa -b meme-chip-out/fimo\_out\_1/fimo.gff > bedtools\_out