FIG4 A-C quintiles:

manually cut AK into 5 equally sections. For Airn, have 5 chunks over the MM10 window chr17:12,741,398-12,830,151: XAK\_chunks\_new.saf

run featurecounts with fcount.sh which needs xak\_chunks\_new.saf

results: xak\_chunks\_prc\_new.txt

xak\_chunks\_prc\_new.txt.summary

Get the total read counts by:

wc -l \*.fastq

under the folder that contains the .fastq of each RBP

and then divide by 4 to get the total reads (each fastq seq has 4 lines)

and saved as totalreads.csv

to calculate the rpm for the plot: divide the counts for each region in the saf file that you get from featurecounts by the total read number then multiply by 1 million

code: xak\_chunk\_comparison.R

results:

Xist/A/K\_chunck\_tukey.csv

Xist/A/K\_chunk\_aov.csv

Xist/A/K\_chunk\_prc\_rips.pdf