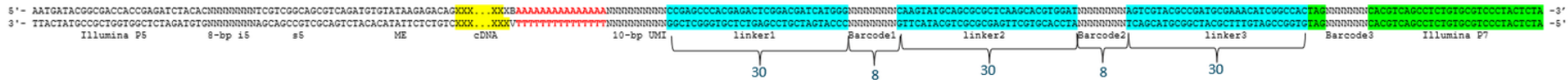
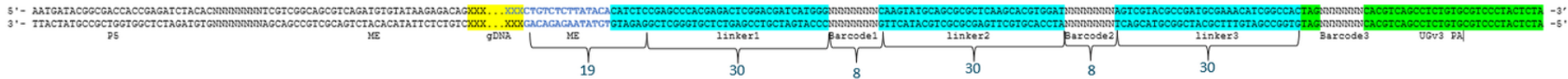


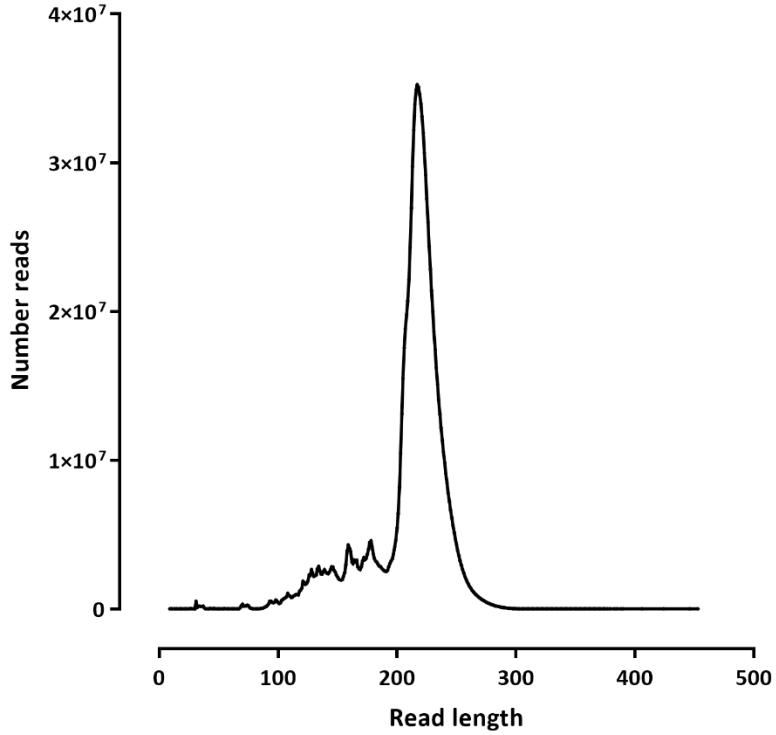
mRNA:



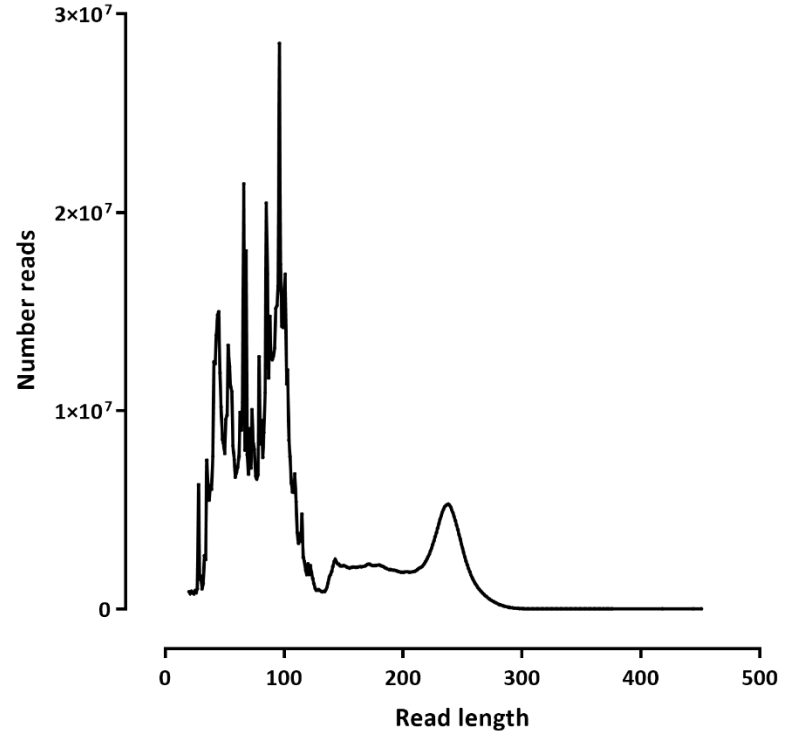
ATAC:



170858 read length distribution



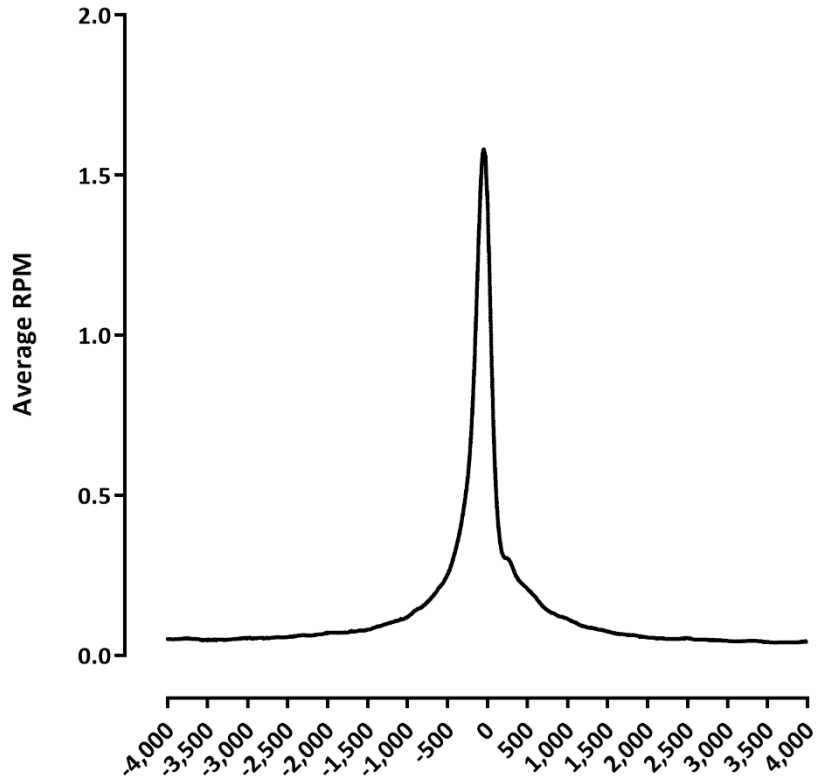
170858 read length distribution adaptors removed



Aligned all reads as ATAC:

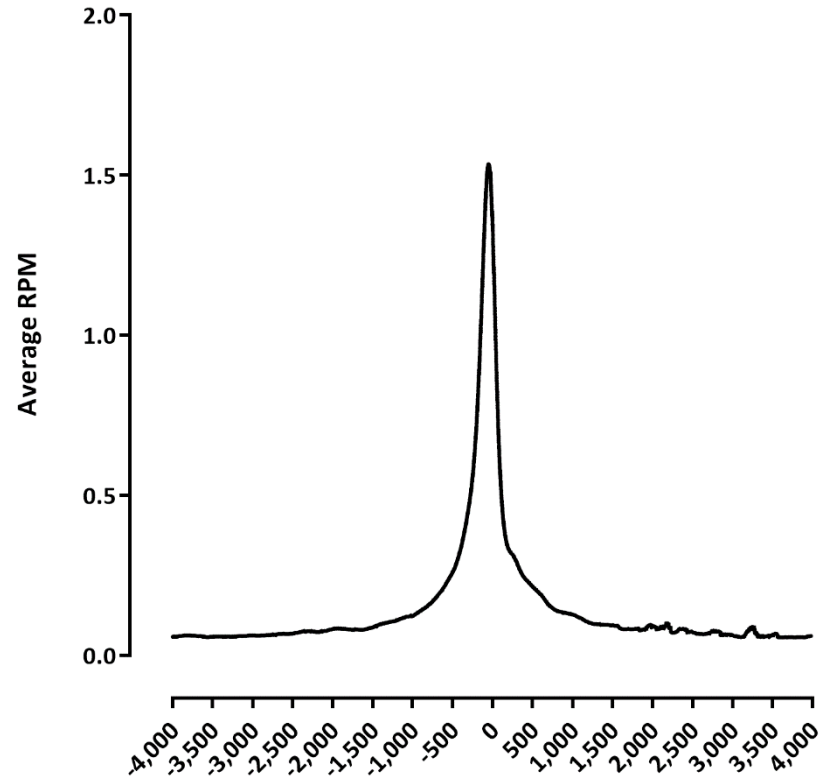
Species	Read Length	Library	Raw fragments	Unique non-chrM reads	Alignment fraction	Complexity	chrM reads	chrM fraction	scATAC dedup reads	scATAC dedup Complexity	TSS ratio	Cells >500 fragments
<i>hg38</i>	UG, BT	170858	1,490,206,546	271,069,843	0.10	0.31	16,348,826	0.06	123,596,172	0.43	19.54	11,901
<i>hg38</i>	UG, BWA	170858	1,490,206,546	680,093,055	0.23	0.68			383,527,036	0.47	14.02	32,530

Bowtie



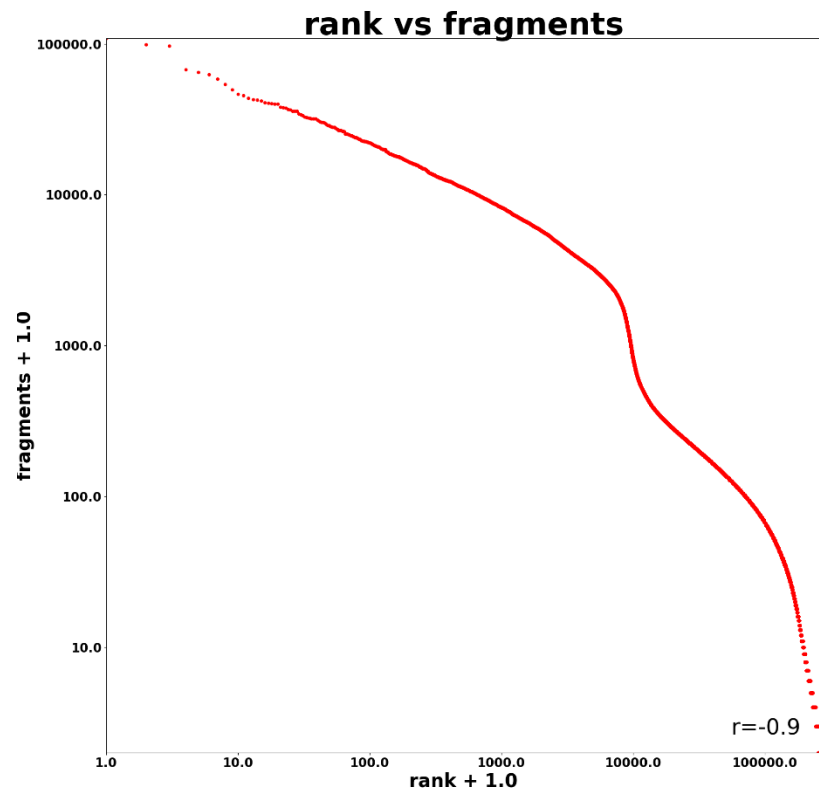
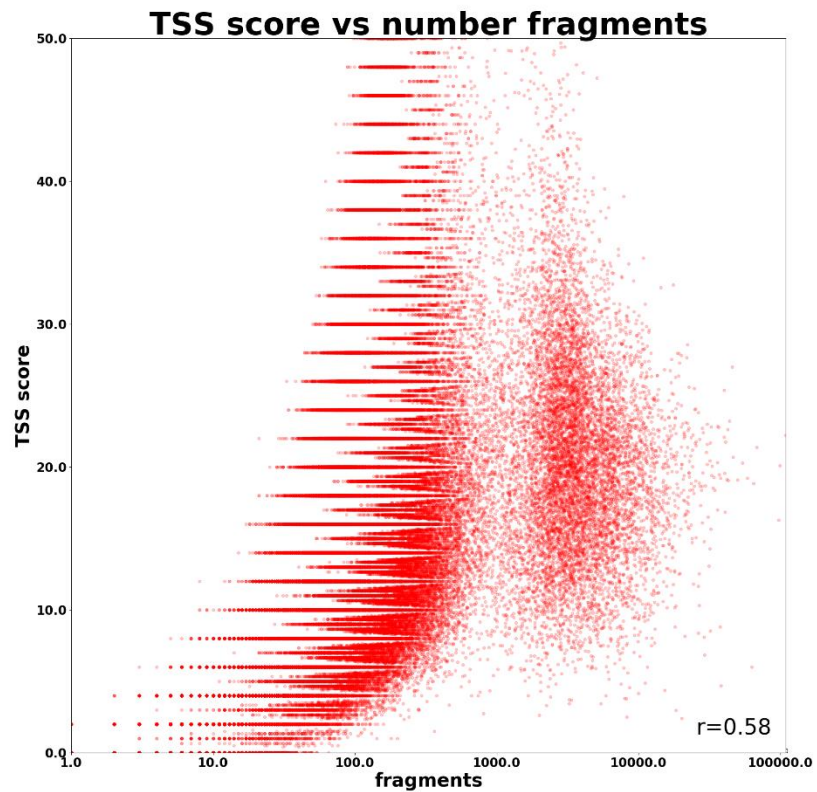
Position relative to TSS

BWA

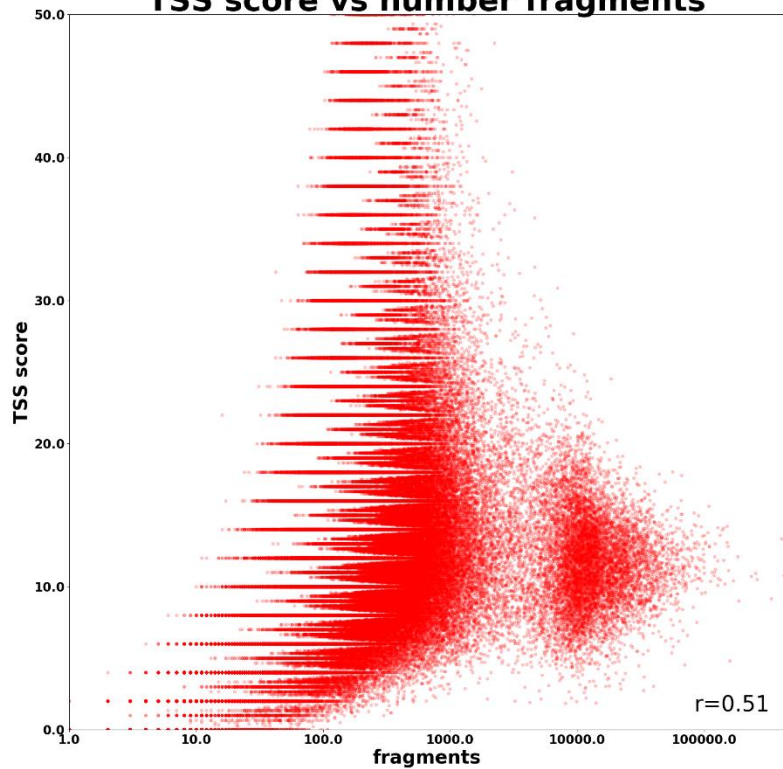


Position relative to TSS

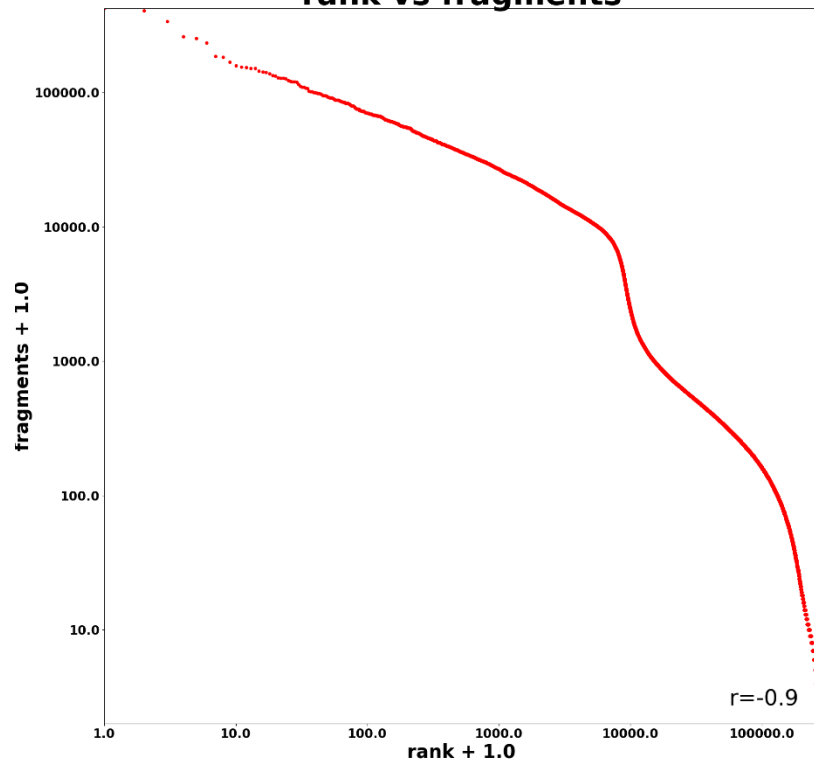
Bowtie



TSS score vs number fragments



rank vs fragments



Split into RNA/ATAC

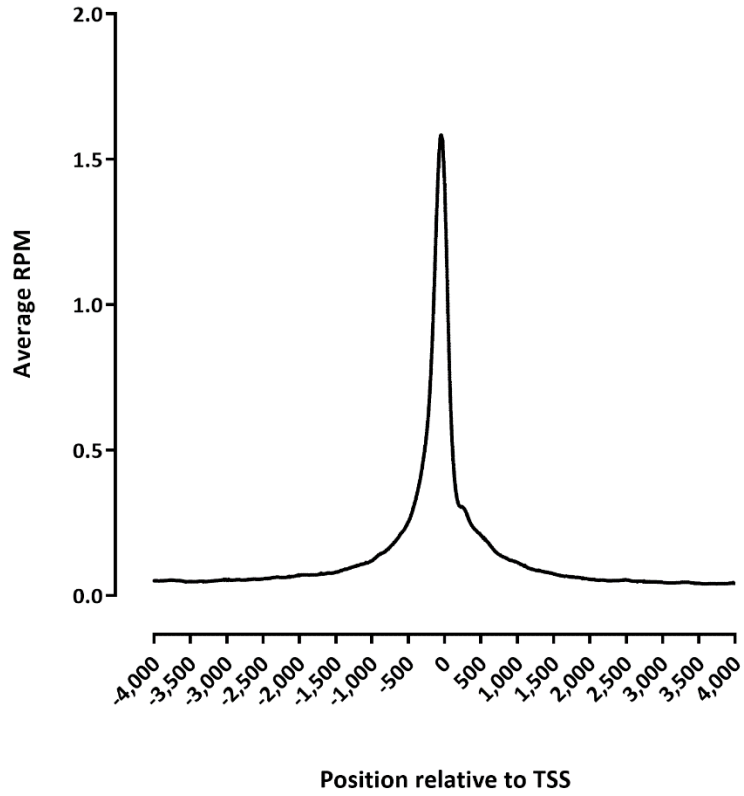
- Looked for polyT(10) – if present -> RNA, if absent -> ATAC

ATAC stats:

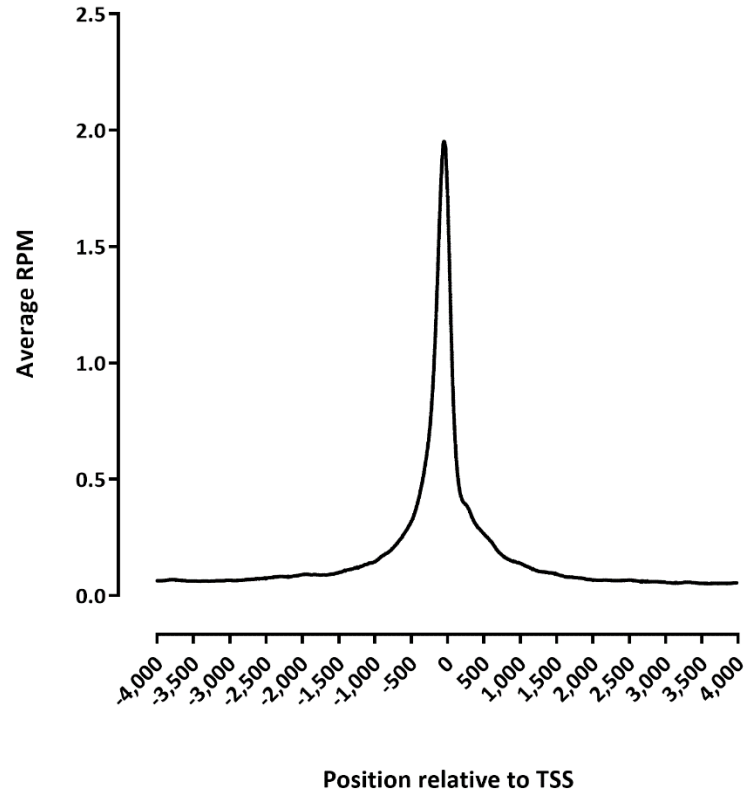
Species	Read Length	Library	Raw fragments	Unique non-chrM reads	Alignment fraction	Complexity	chrM reads	chrM fraction	scATAC dedup reads	scATAC dedup Complexity	TSS ratio	Cells >500 fragments
hg38	UG, BT	170858	1,490,206,546	271,069,843	0.10	0.31	16,348,826	0.06	123,596,172	0.43	19.54	11,901
hg38	UG, BWA	170858	1,490,206,546	680,093,055	0.23	0.68			383,527,036	0.47	14.02	32,530
hg38	UG, BT	170858, no polyT(10)	970,819,214	270,386,524	0.15	0.31	16,348,691	0.06	123,123,294	0.43	19.61	11,890
hg38	UG, BWA	170858, no polyT(10)	970,819,214	522,470,475	0.27	0.61			212,717,376	0.47	19.25	19,872

*RNA is to be processed at the single-cell level once the UMI assignment is fully worked out, but we have plenty of sequence after the polyT in this run, so there should be no issues

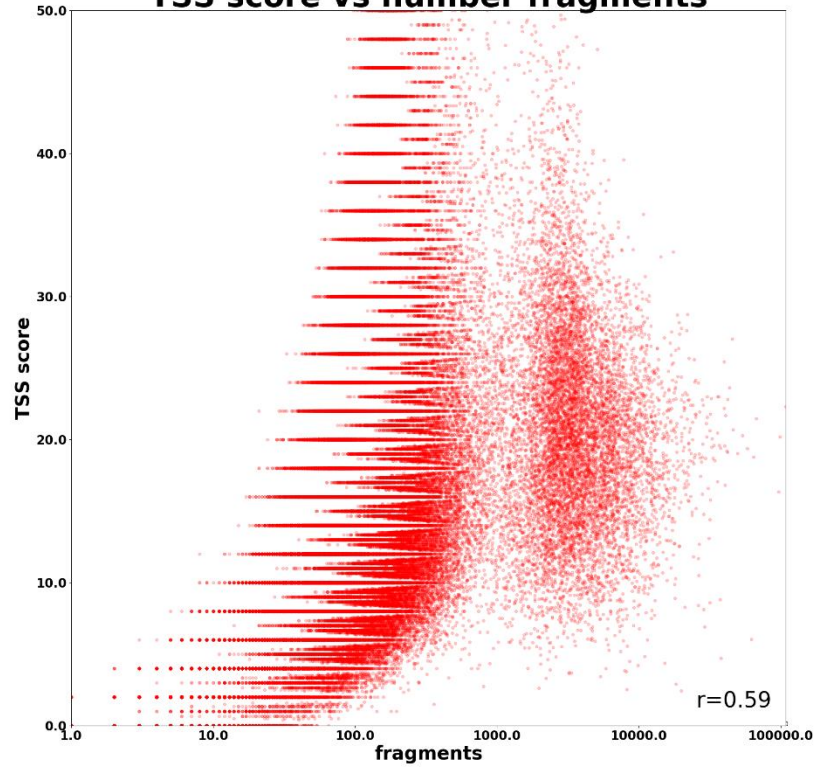
Bowtie ATAC only



BWA ATAC only



TSS score vs number fragments



rank vs fragments

