Dataset stats ATAC

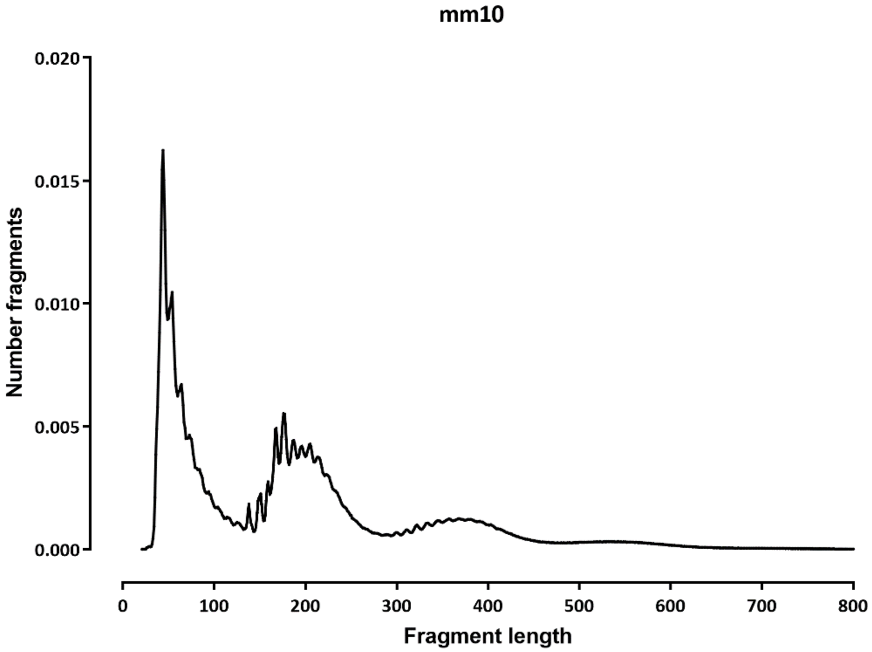
Species	Read Length	Library	Raw fragments	Unique non-chrM reads	Multi reads	Complexity	chrM reads	chrM fraction	Unique non-chrM reads after dedup	TSS ratio
mm10	**2x30**	sp.atac	83,333,020	54,767,372		0.63	7,309,710	0.12		15.60
hg38	**2x30**	sp.atac	83,333,020	75,302,004		0.60	18,118,272	0.19		14.10

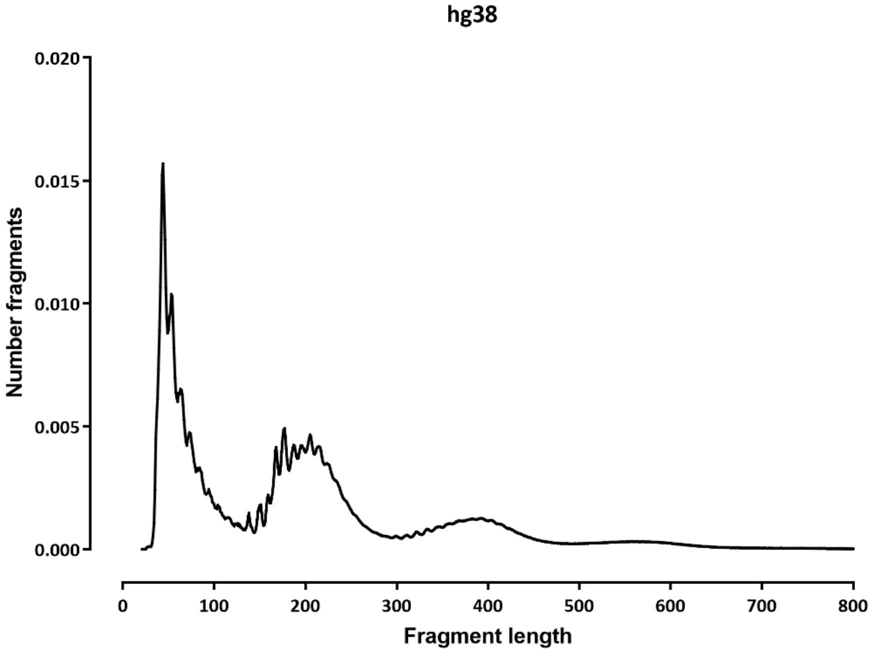
After within-barcode dedupping:

hg38:
Unique: 55,249,378
Complexity: 0.77

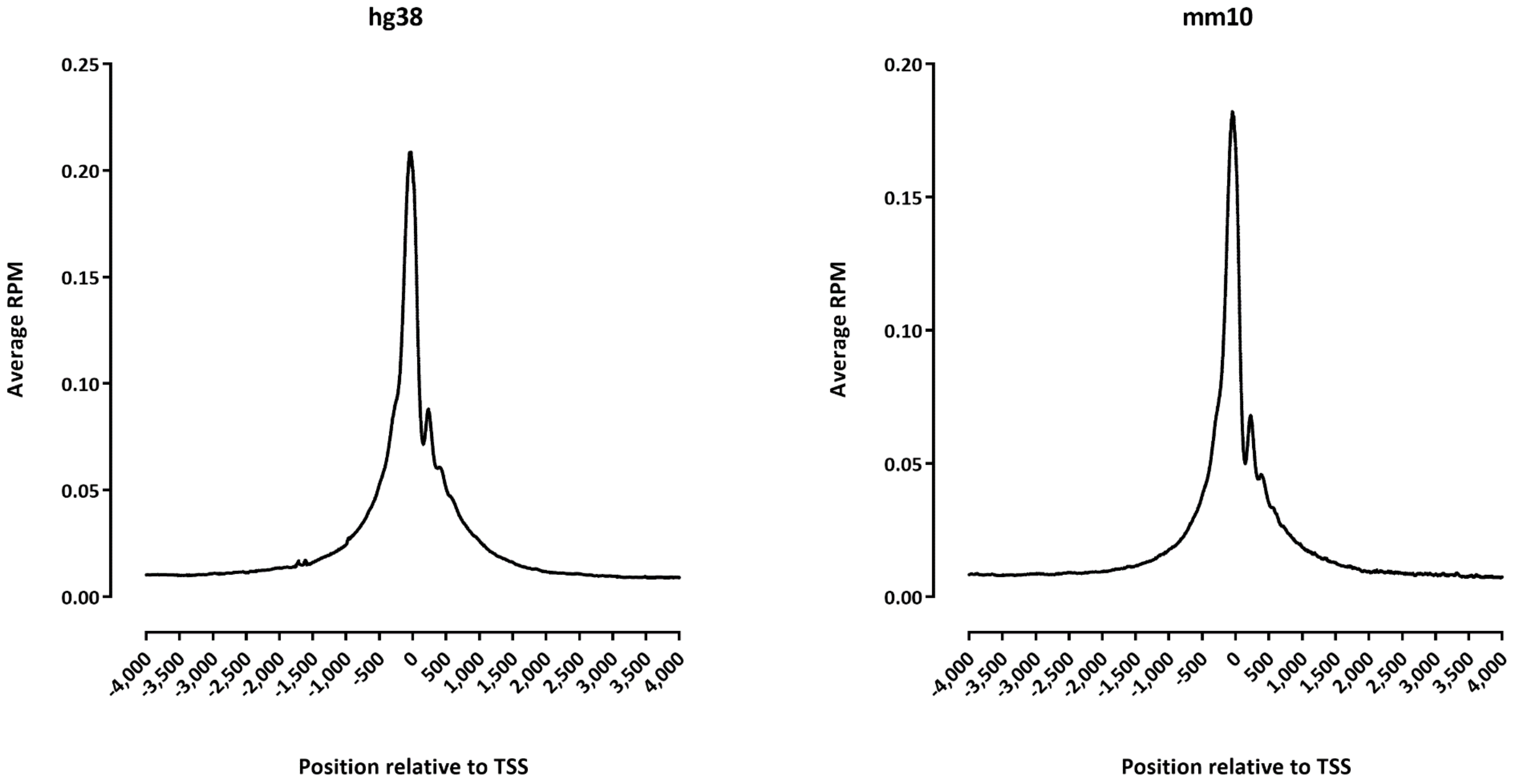
mm10:
Unique: 40,328,572
Complexity: 0.80

Fragment length distribution





TSS profile


hg38
Average RPM
0.25
0.20
0.15
0.10
0.05
0.00
-4,000
-3,500
-3,000
-2,500
-2,000
-1,500
-1,000
-500
0
500
1,000
1,500
2,000
2,500
3,000
3,500
4,000
Position relative to TSS
mm10
Average RPM
0.20
0.15
0.10
0.05
0.00
-4,000
-3,500
-3,000
-2,500
-2,000
-1,500
-1,000
-500
0
500
1,000
1,500
2,000
2,500
3,000
3,500
4,000
Position relative to TSS

Dataset stats ATAC

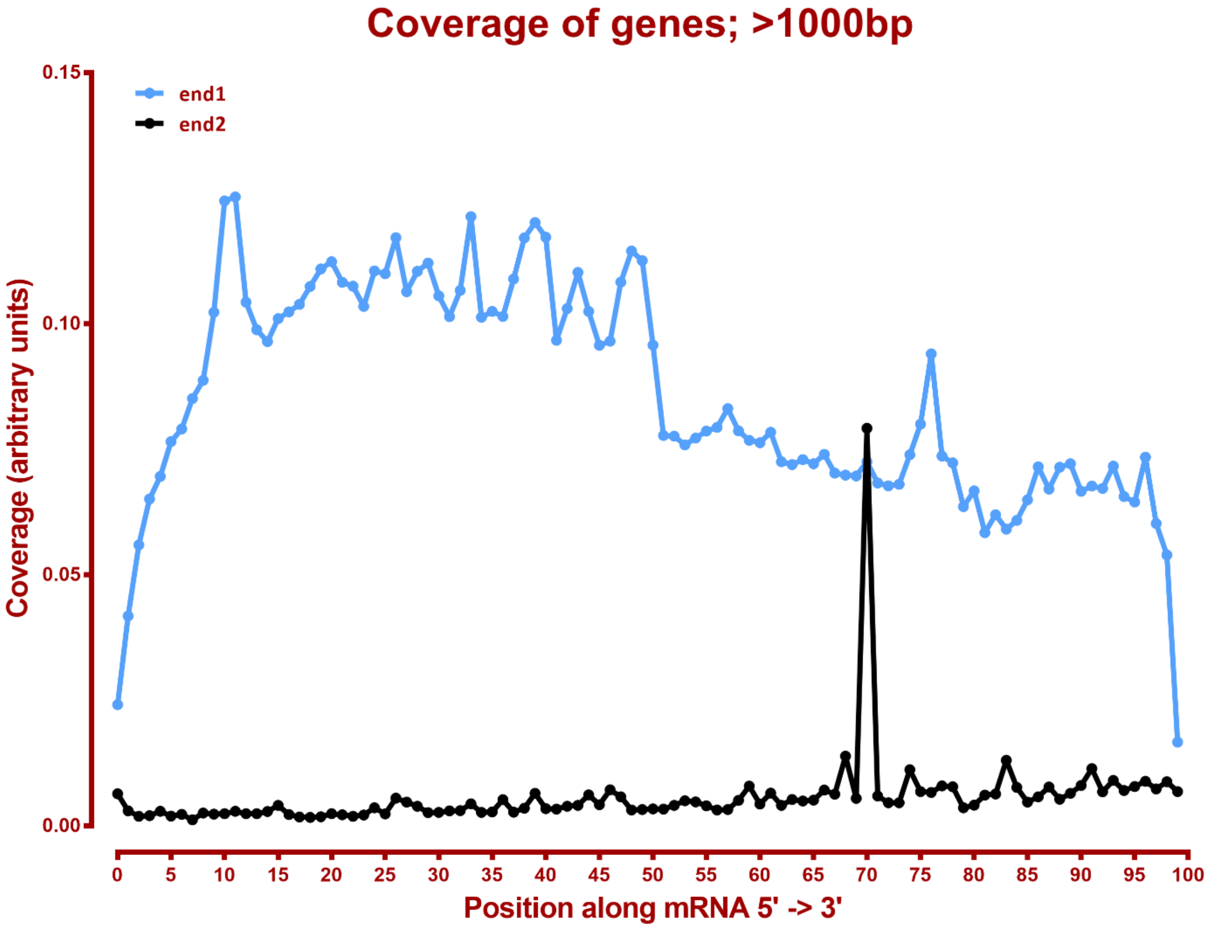
Species	Read Length	Library	Raw fragments	Unique non-chrM reads	Multi reads	Complexity	chrM reads	chrM fraction	Unique non-chrM reads after dedup	TSS ratio
mm10	**2x30**	sp.atac	83,333,020	54,767,372		0.63	7,309,710	0.12		15.60
hg38	**2x30**	sp.atac	83,333,020	75,302,004		0.60	18,118,272	0.19		14.10

Dataset stats RNA

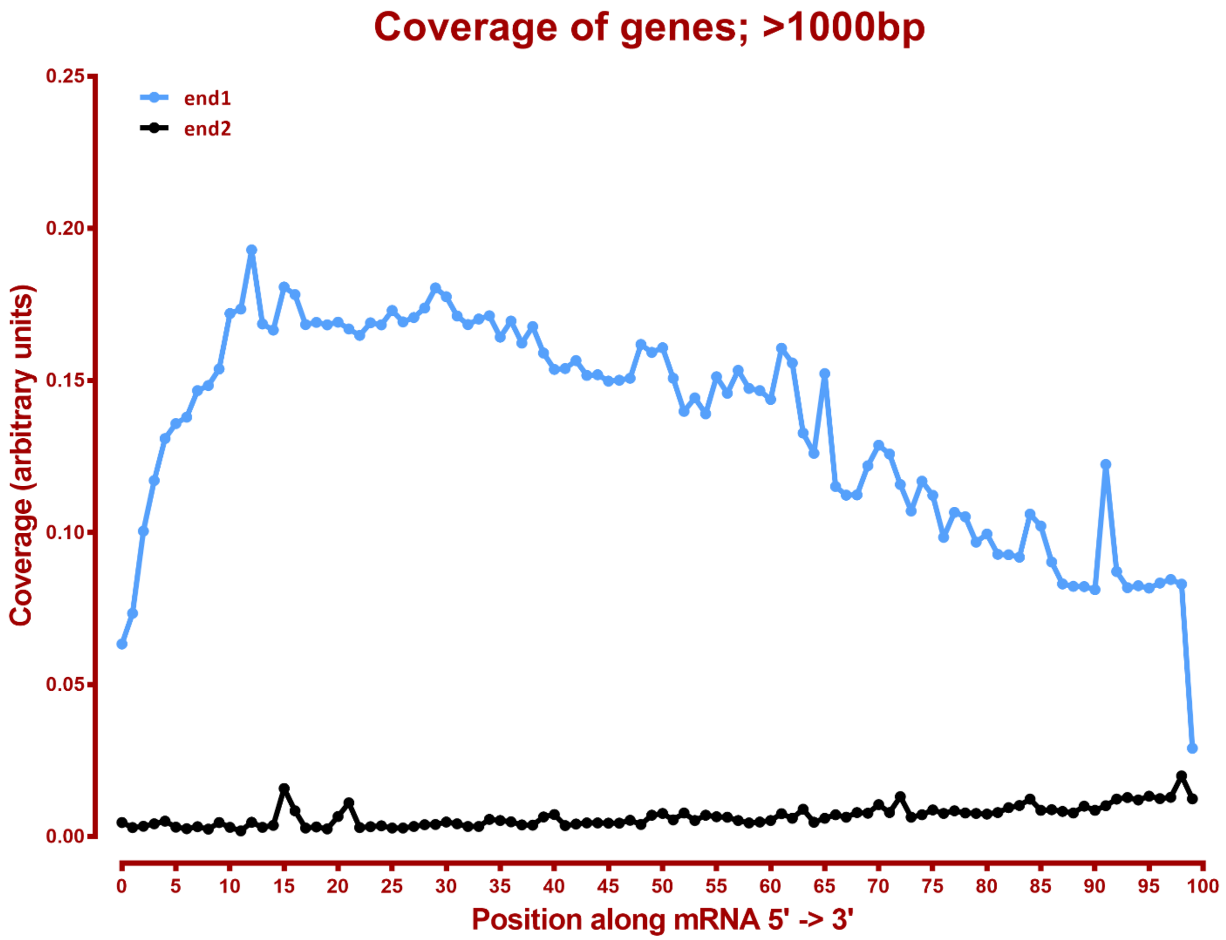
Library	Read Length	Mapping	Species	Raw fragments	Complexity	Unique	Unique Splices	Multi	Multi Splices	Fraction mapped
sp.rna.end1.hg38	**1x30**	STAR-2.5.3a	**hg38**	185,181,036	0.60	51,931,904	2,192,328	19,221,008	5,080,449	0.21
sp.rna.end1.mm10	**1x30**	STAR-2.5.3a	**mm10**	185,181,036	0.50	51,059,028	4,155,735	14,959,758	6,540,288	0.21
sp.rna.end2.hg38	**1x30**	STAR-2.5.3a	**hg38**	185,181,036	0.15	25,705,318	8,202,386	67,873,464	16,008,673	0.32
sp.rna.end2.mm10	**1x30**	STAR-2.5.3a	**mm10**	185,181,036	0.14	18,421,052	6,177,115	58,029,490	15,783,205	0.27

#	Exonic:	Intergenic:	Intronic:
sp.rna.end1.hg38	0.31	0.08	0.60
sp.rna.end1.mm10	0.37	0.11	0.52
sp.rna.end2.hg38	0.02	0.33	0.64
sp.rna.end2.mm10	0.03	0.50	0.47

5’-3’ mRNA coverage hg38



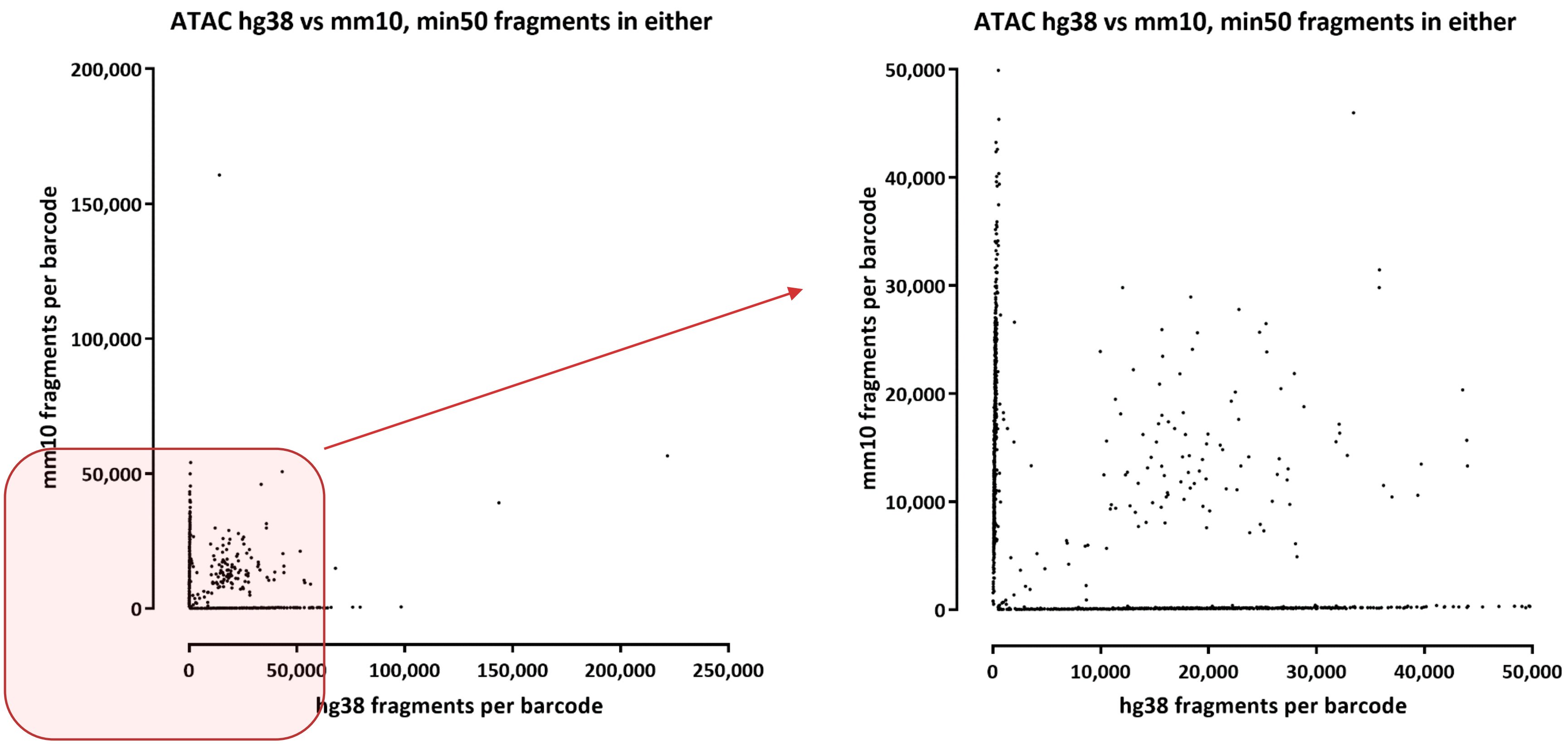
5'-3' mRNA coverage mm10



ATAC single-cell level summary:

#fragments	hg38	mm10
<10	239382	248088
10-100	144843	113433
100-500	2112	1139
500-1,000	35	17
1,000-5,000	53	45
5,000-10,000	155	190
>10,000	1018	821
10000	1	1

ATAC single-cell level summary:


ATAC hg38 vs mm10, min50 fragments in either

ATAC hg38 vs mm10, min50 fragments in either

RNA single-cell level summary:

	read1	read2	read1	read2
#UMIs	hg38		mm10	
0-10	462,926	362,127	455,283	285,196
10-50	54,117	4,018	58,289	1,165
20-50	12,227	441	12,674	169
50-100	816	87	1,022	98
100-200	1564	287	1714	918
200-500	1748	4342	1029	3683
500-1000	1298	45	1500	10
>1000	0	0	0	0