

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
<i>mm10</i>	2x30	SK-L068-SHARE_ATAC_3_MEF_HEK_2k	29,228,893	24,525,806		0.25	2,306,954	0.09		25.89
<i>hg38</i>	2x30	SK-L068-SHARE_ATAC_3_MEF_HEK_2k	29,228,893	20,097,314		0.24	5,927,582	0.23		24.88
<i>mm10</i>	2x30	SK-L069-SHARE_ATAC_4_MEF_HEK_2k	34,627,410	27,174,558		0.26	2,818,846	0.09		27.89
<i>hg38</i>	2x30	SK-L069-SHARE_ATAC_4_MEF_HEK_2k	34,627,410	24,747,478		0.25	6,910,476	0.22		26.06

After within-barcode dedupping, L068:

hg38:

Unique: 5,603,984

Complexity: 0.79

mm10:

Unique: 6,687,622

Complexity: 0.84

After within-barcode dedupping L069:

hg38:

Unique: 7,080,002

Complexity: 0.78

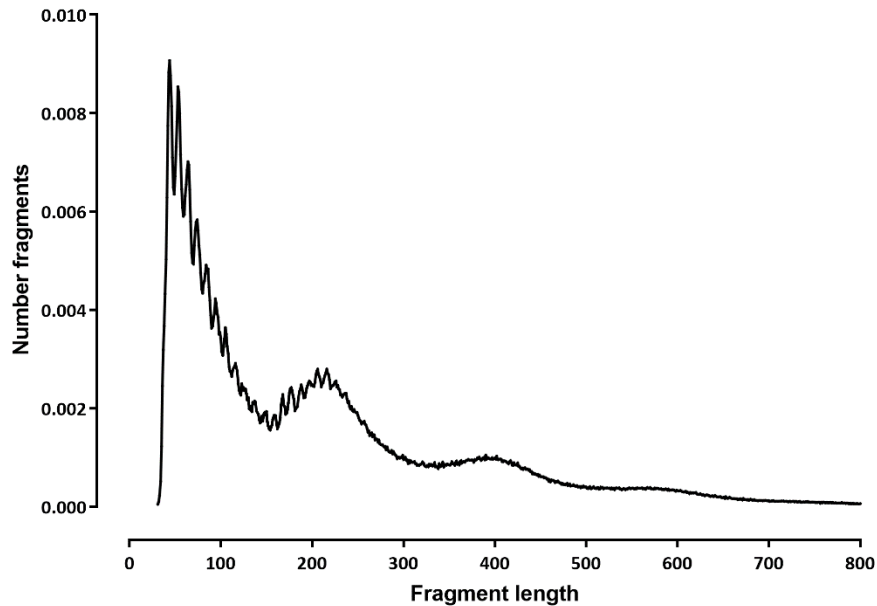
mm10:

Unique: 7,622,660

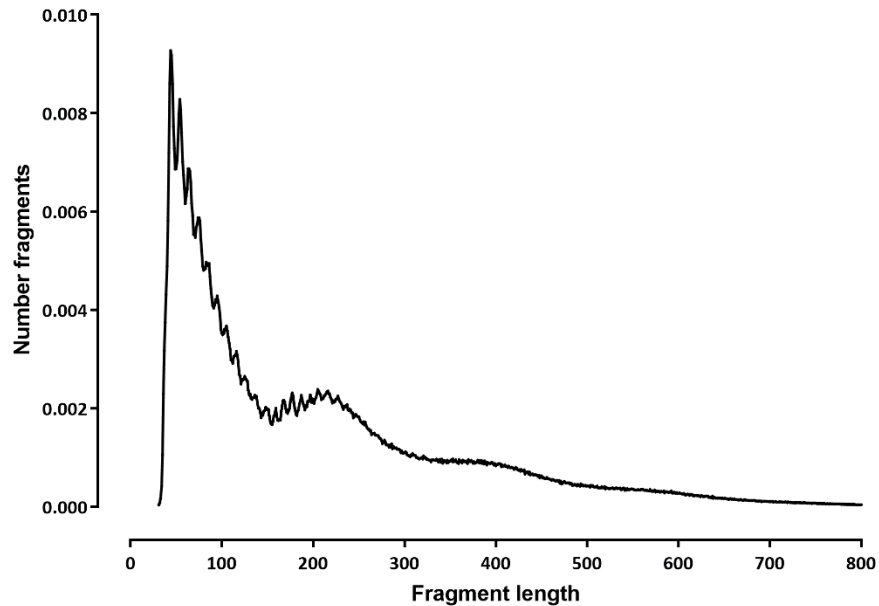
Complexity: 0.83

Fragment length distribution

L068 hg38

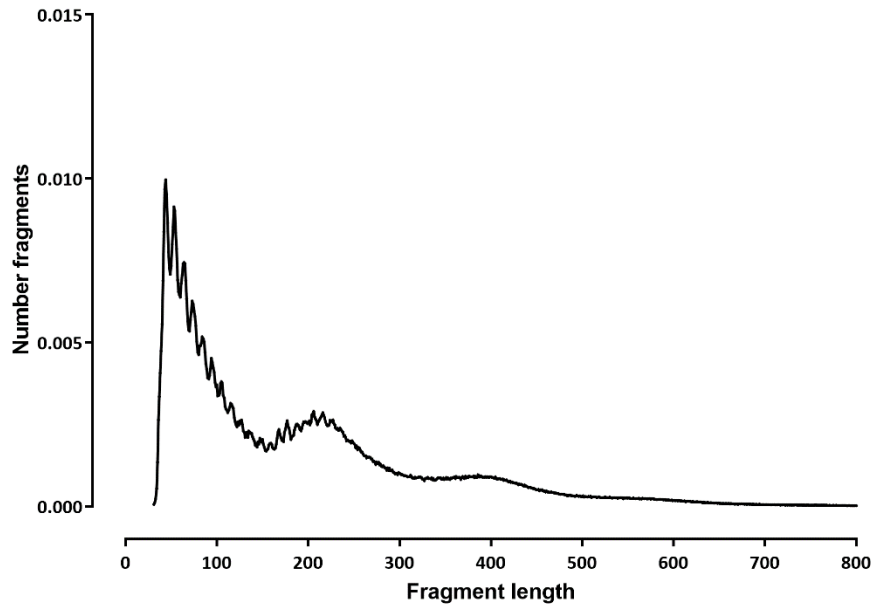


L068 mm10

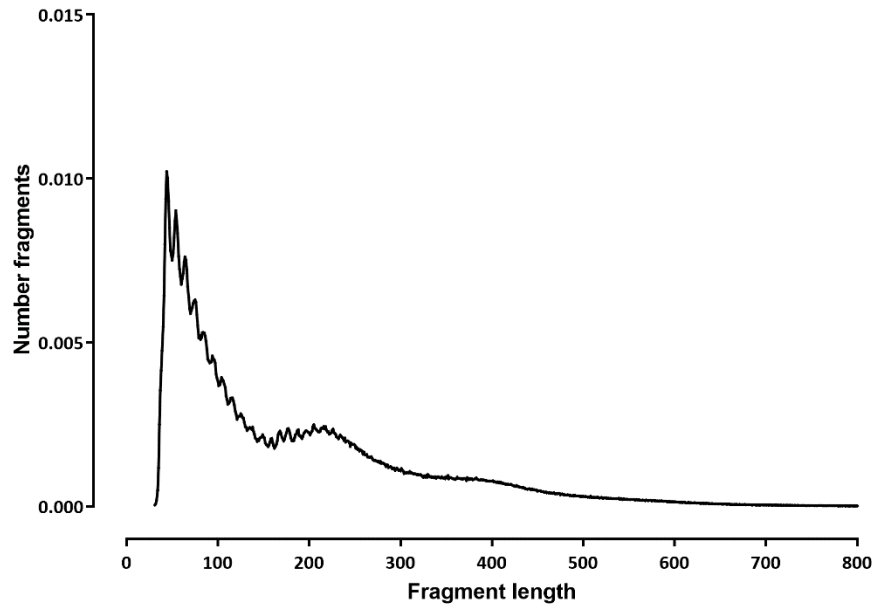


Fragment length distribution

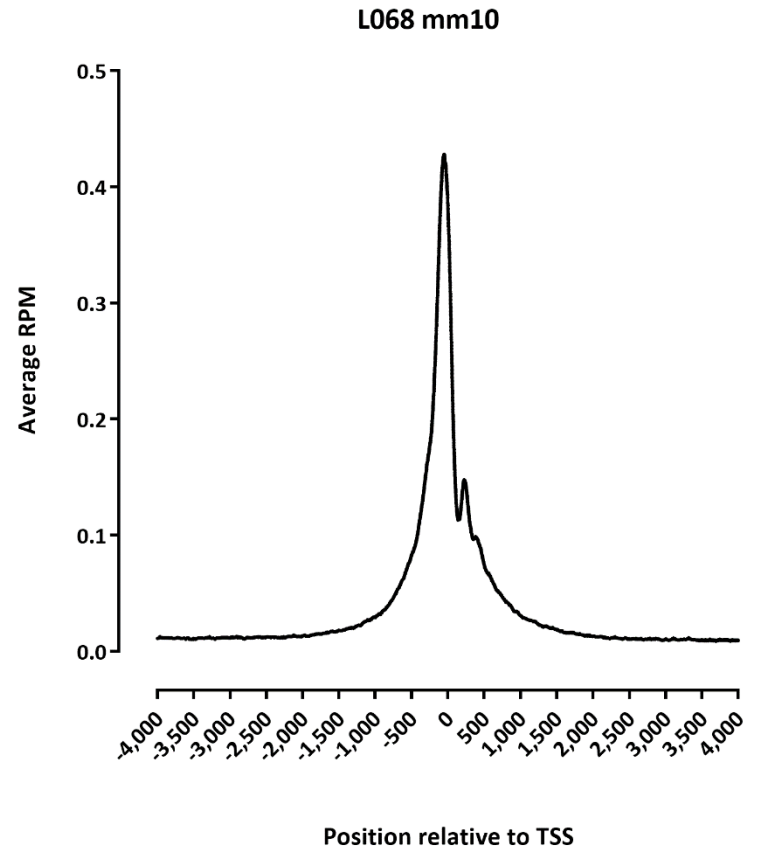
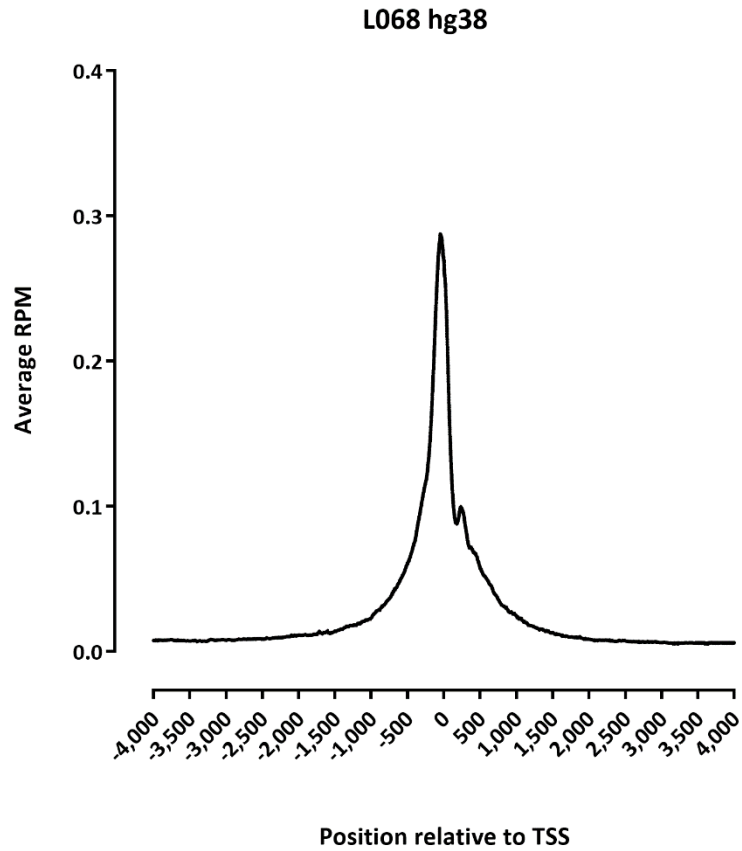
L069 hg38



L069 mm10

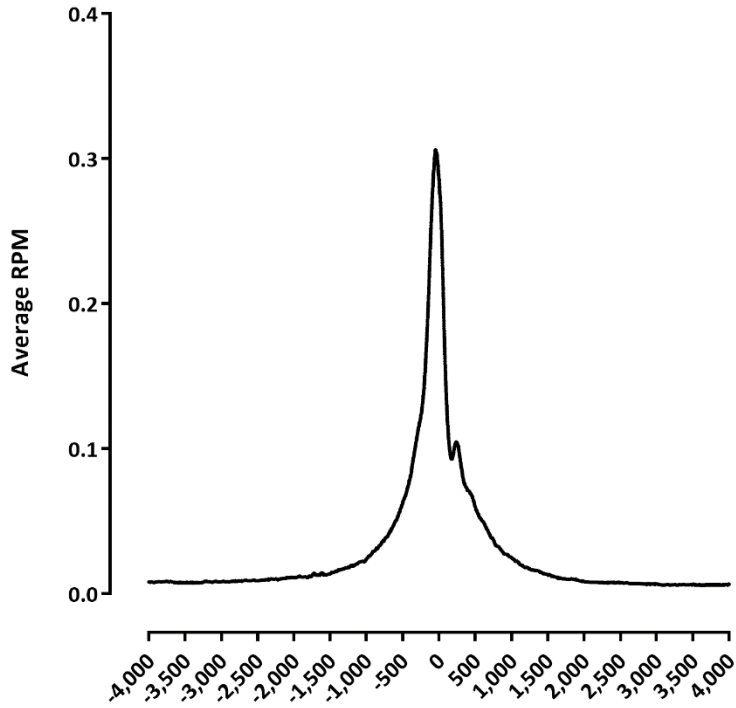


TSS profile

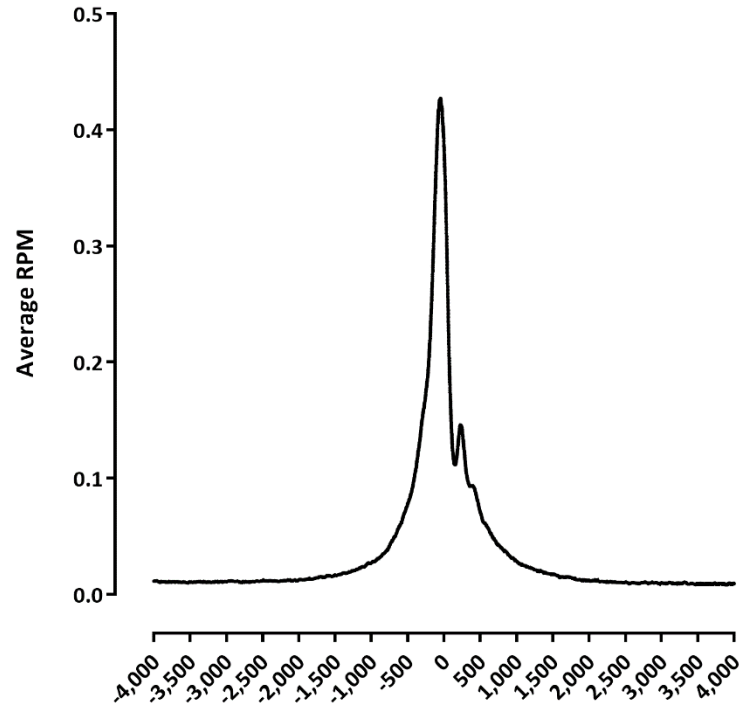


TSS profile

L069 hg38



L069 mm10



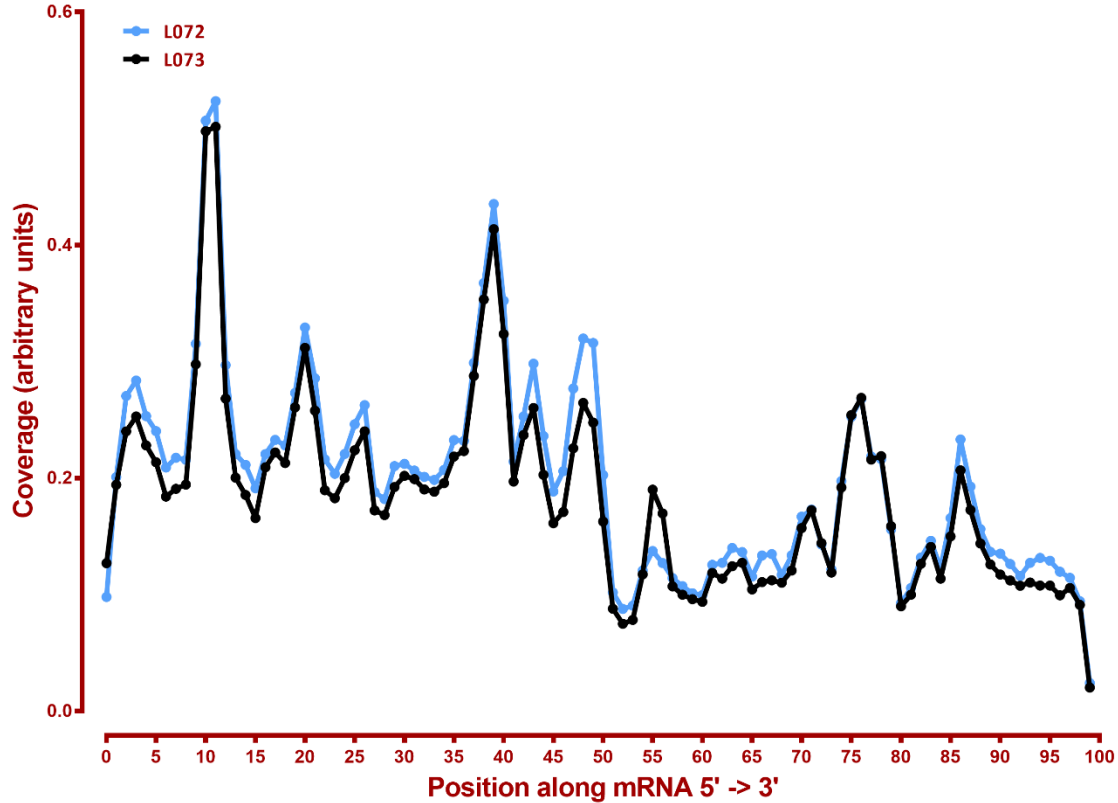
Dataset stats RNA

Library	Read Length	Mapping	Species	Raw fragments	Complexity	Unique	Unique Splices	Multi	Multi Splices	Fraction mapped
SK-L072-SHARE_RNA_2_MEF_HEK_2K_2uLTn5.end1	1x30	STAR-2.5.3a	hg38	166,461,764	0.51	52,358,110	2,224,655	21,197,013	3,628,738	0.24
SK-L072-SHARE_RNA_2_MEF_HEK_2K_2uLTn5.end1	1x30	STAR-2.5.3a	mm10	166,461,764	0.43	50,578,972	3,893,659	14,349,688	3,280,035	0.22
SK-L072-SHARE_RNA_2_MEF_HEK_2K_2uLTn5.end2	1x30	STAR-2.5.3a	hg38	166,461,764	0.13	26,480,850	6,880,376	66,977,196	12,793,800	0.34
SK-L072-SHARE_RNA_2_MEF_HEK_2K_2uLTn5.end2	1x30	STAR-2.5.3a	mm10	166,461,764	0.12	20,951,377	5,799,424	60,550,011	10,991,656	0.30
SK-L073-SHARE_RNA_2_MEF_HEK_2K_1uLTn5.end1	1x30	STAR-2.5.3a	hg38	147,223,557	0.53	47,882,572	4,082,307	17,662,713	3,348,021	0.25
SK-L073-SHARE_RNA_2_MEF_HEK_2K_1uLTn5.end1	1x30	STAR-2.5.3a	mm10	147,223,557	0.47	44,260,013	3,535,104	11,646,624	3,478,518	0.21
SK-L073-SHARE_RNA_2_MEF_HEK_2K_1uLTn5.end2	1x30	STAR-2.5.3a	hg38	147,223,557	0.14	23,625,047	5,788,883	60,108,456	10,599,841	0.34
SK-L073-SHARE_RNA_2_MEF_HEK_2K_1uLTn5.end2	1x30	STAR-2.5.3a	mm10	147,223,557	0.13	18,749,718	4,637,506	54,520,421	8,905,788	0.29

#	Exonic:	Intergenic:	Intronic:
SK-L072-SHARE_RNA_2_MEF_HEK_2K_2uLTn5.end1.hg38	0.39	0.07	0.54
SK-L072-SHARE_RNA_2_MEF_HEK_2K_2uLTn5.end1.mm10	0.47	0.12	0.42
SK-L072-SHARE_RNA_2_MEF_HEK_2K_2uLTn5.end2.hg38	0.02	0.34	0.63
SK-L072-SHARE_RNA_2_MEF_HEK_2K_2uLTn5.end2.mm10	0.03	0.49	0.48
SK-L073-SHARE_RNA_2_MEF_HEK_2K_1uLTn5.end1.hg38	0.35	0.07	0.58
SK-L073-SHARE_RNA_2_MEF_HEK_2K_1uLTn5.end1.mm10	0.45	0.11	0.43
SK-L073-SHARE_RNA_2_MEF_HEK_2K_1uLTn5.end2.hg38	0.02	0.34	0.64
SK-L073-SHARE_RNA_2_MEF_HEK_2K_1uLTn5.end2.mm10	0.03	0.49	0.48

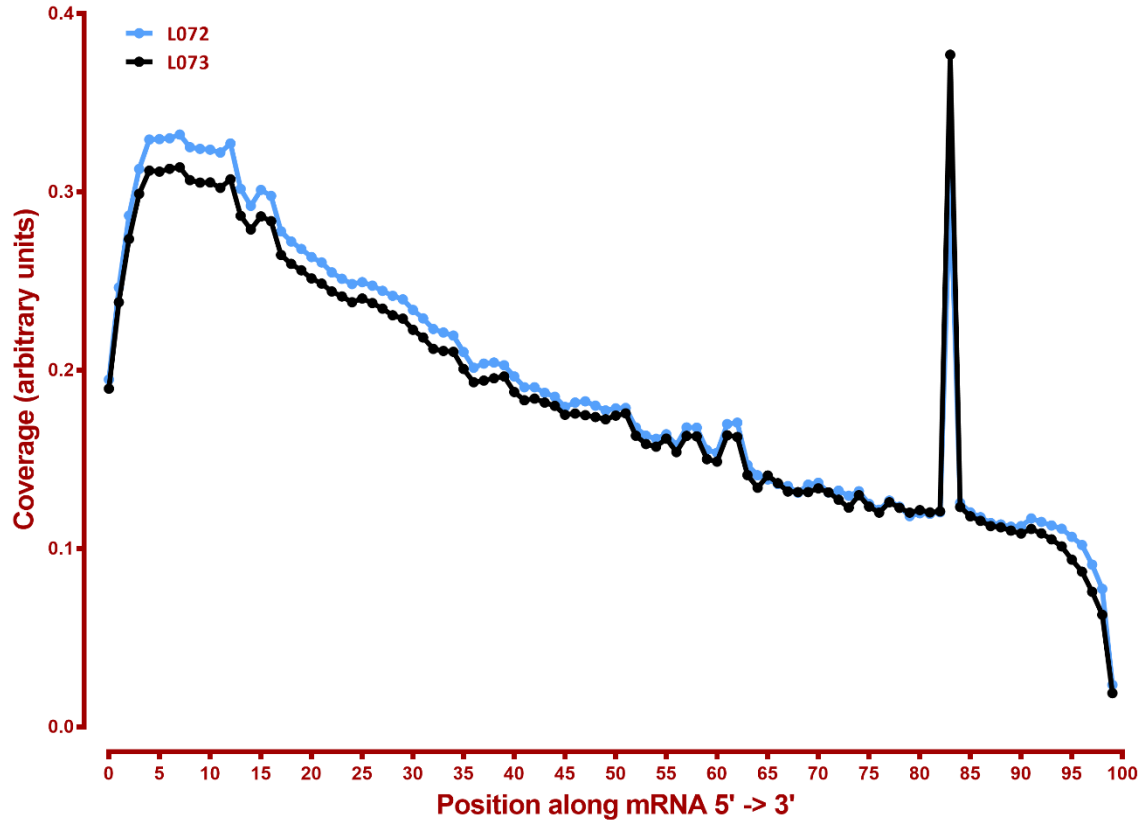
5'-3' mRNA coverage hg38

Coverage of genes; >1000bp



5'-3' mRNA coverage mm10

Coverage of genes; >1000bp



ATAC single-cell level summary:

L068

#fragments	hg38	mm10
<10	153,946	162,440
10-100	5,830	8,827
100-500	47	45
500-1,000	10	3
1,000-5,000	390	216
5,000-10,000	141	283
>10,000	4	10
10000		

1,030 cells

L069

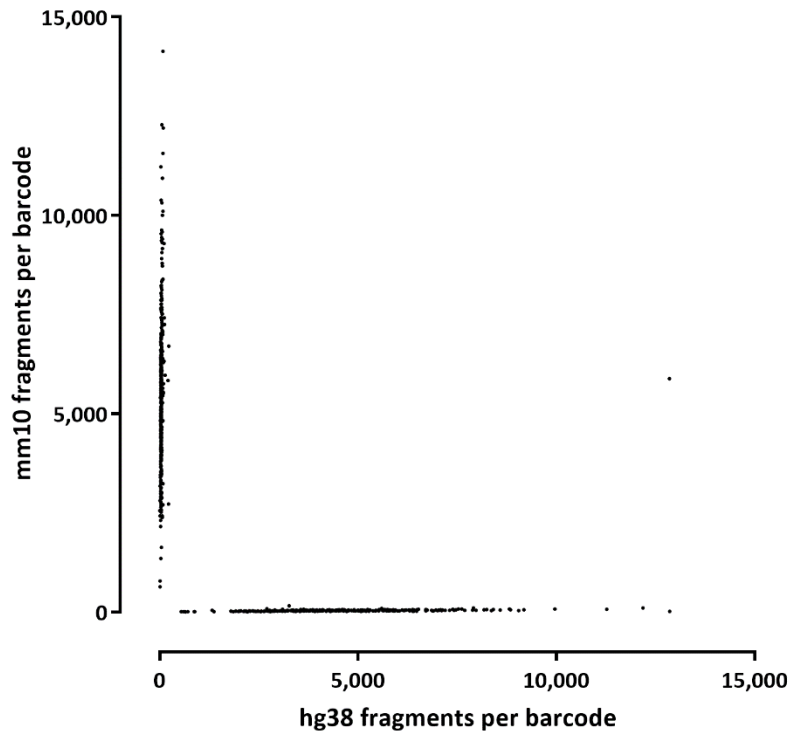
#fragments	hg38	mm10
<10	188,398	191,741
10-100	9,057	10,612
100-500	52	62
500-1,000	2	1
1,000-5,000	475	303
5,000-10,000	160	306
>10,000	11	2
10000		1

1,244 cells

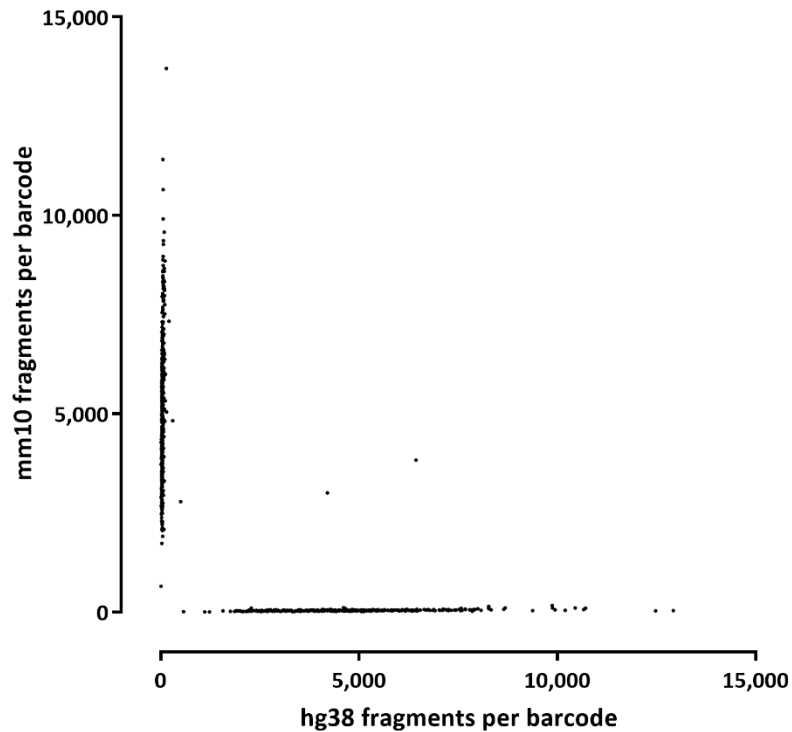
(>1,000 fragments)

ATAC single-cell level summary:

ATAC hg38 vs mm10, min500 fragments L068



ATAC hg38 vs mm10, min500 fragments L069

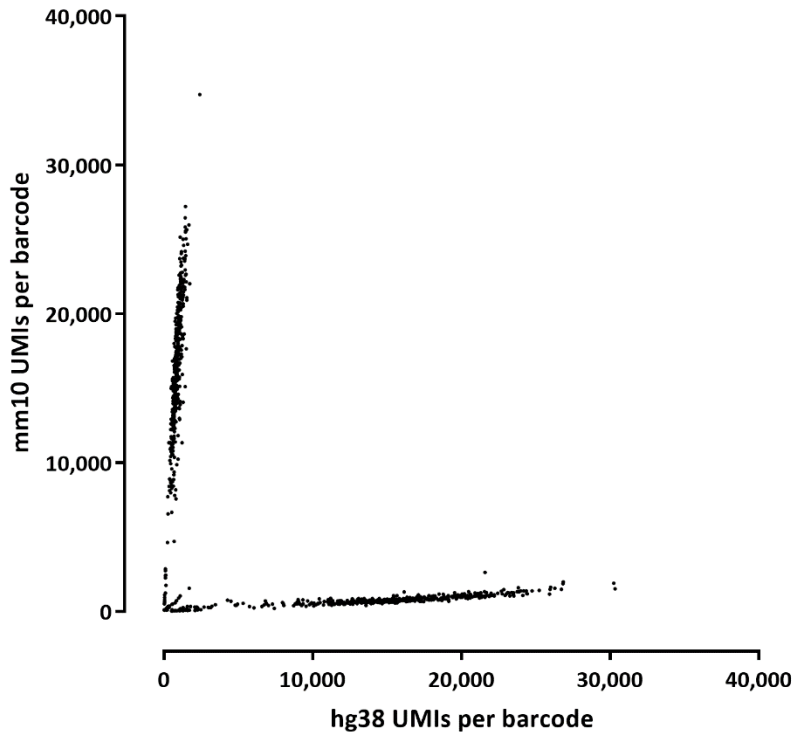


RNA single-cell level summary:

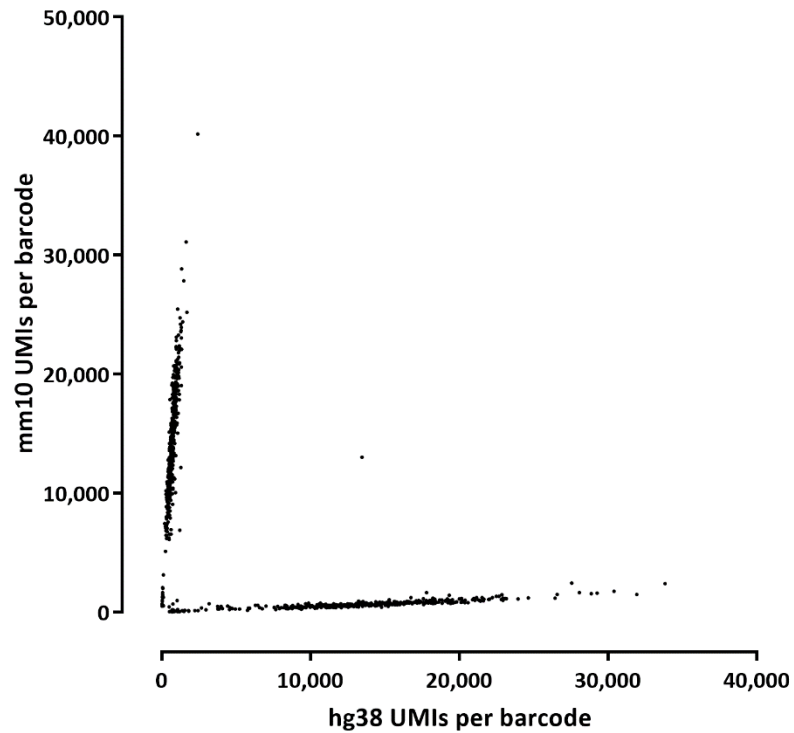
#UMIs	hg38	mm10	hg38	mm10
	L072		L073	
0-10	242,066	238,065	262,821	258,869
10-50	30,560	28,918	37,171	33,918
20-50	14,794	13,756	16,873	15,455
50-100	3,725	3595	4,033	3612
100-200	1084	1052	1209	930
200-500	287	295	372	356
500-1000	379	415	496	469
>1000	720	624	719	672

RNA single-cell level summary:

RNA hg38 vs mm10, min500 UMI L072

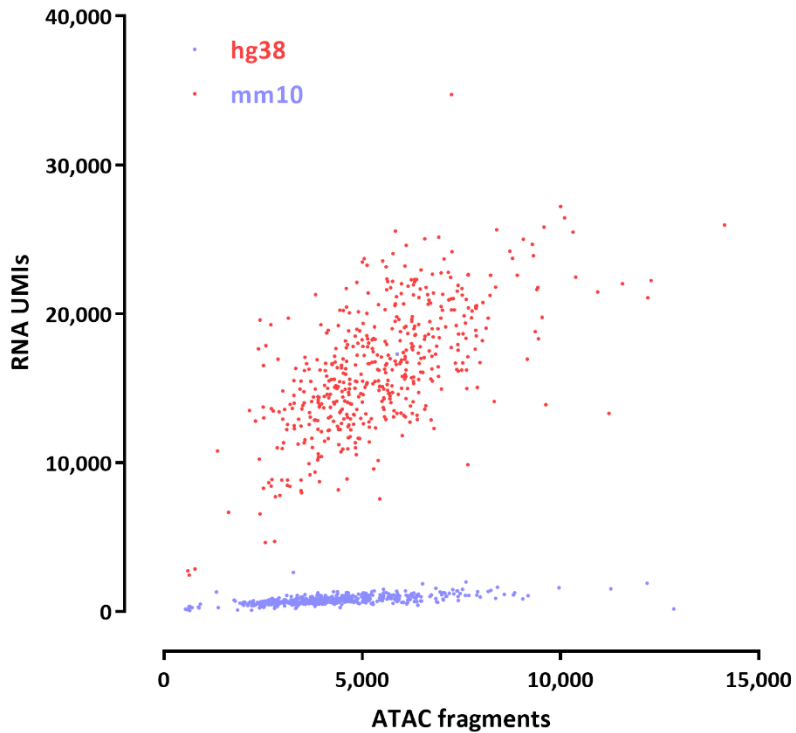


RNA hg38 vs mm10, min500 UMI L073



RNA vs ATAC

RNA vs ATAC L072 vs L068 min500 fragments



RNA vs ATAC L073 vs L069 min500 fragments

