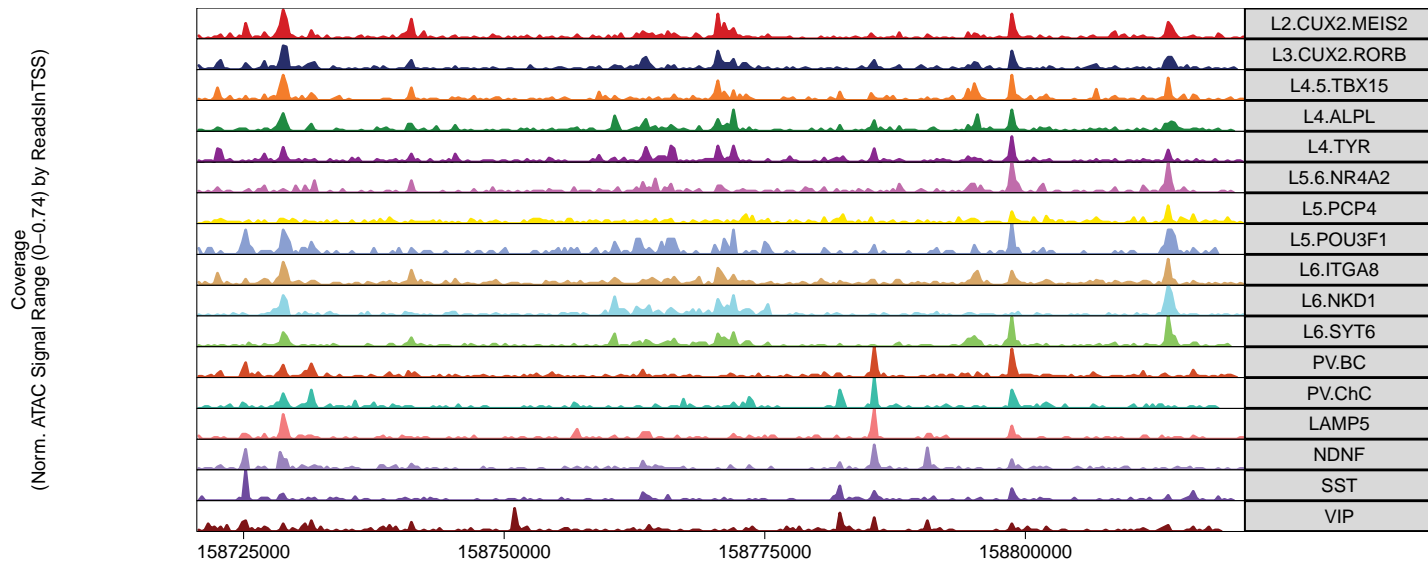


## chr3:158720513–158821014 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

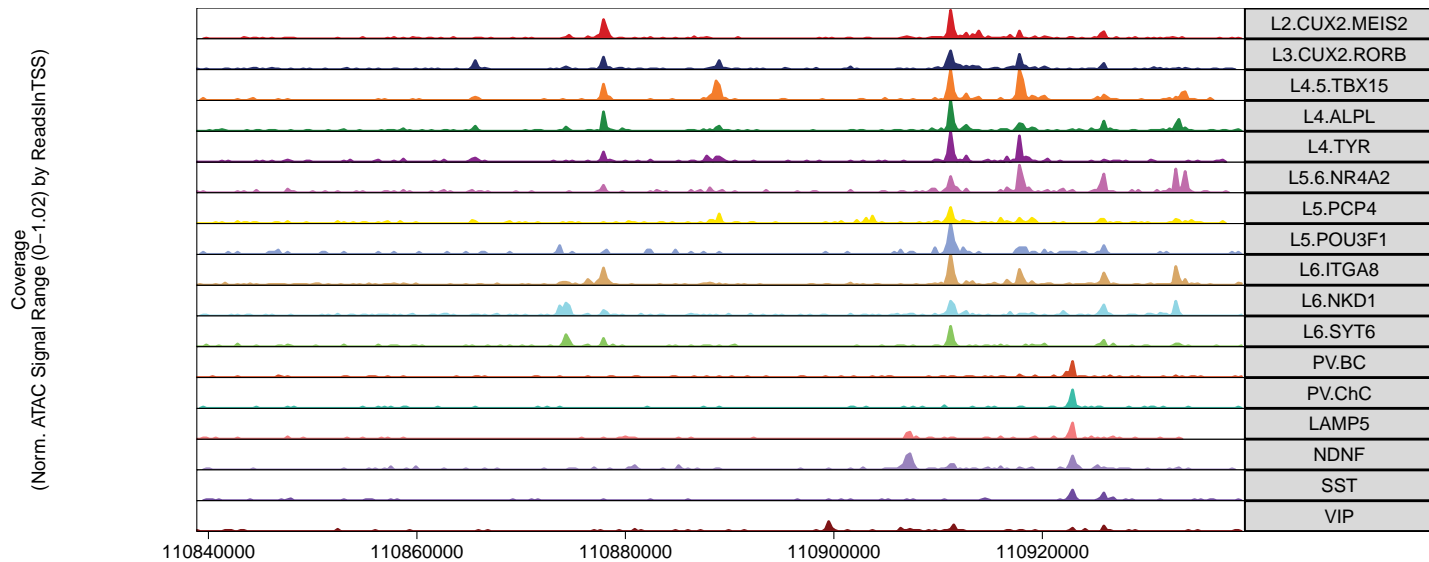


Peaks



Genes

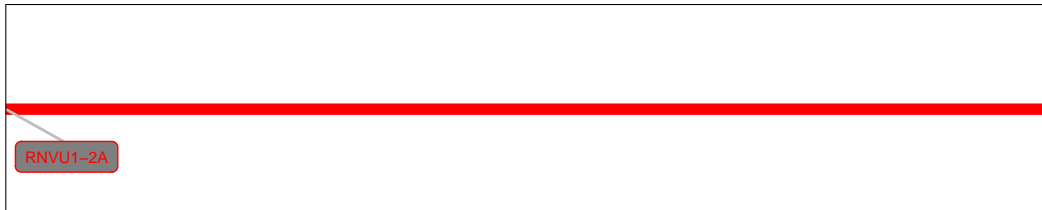
## chr1:110838885–110939386 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

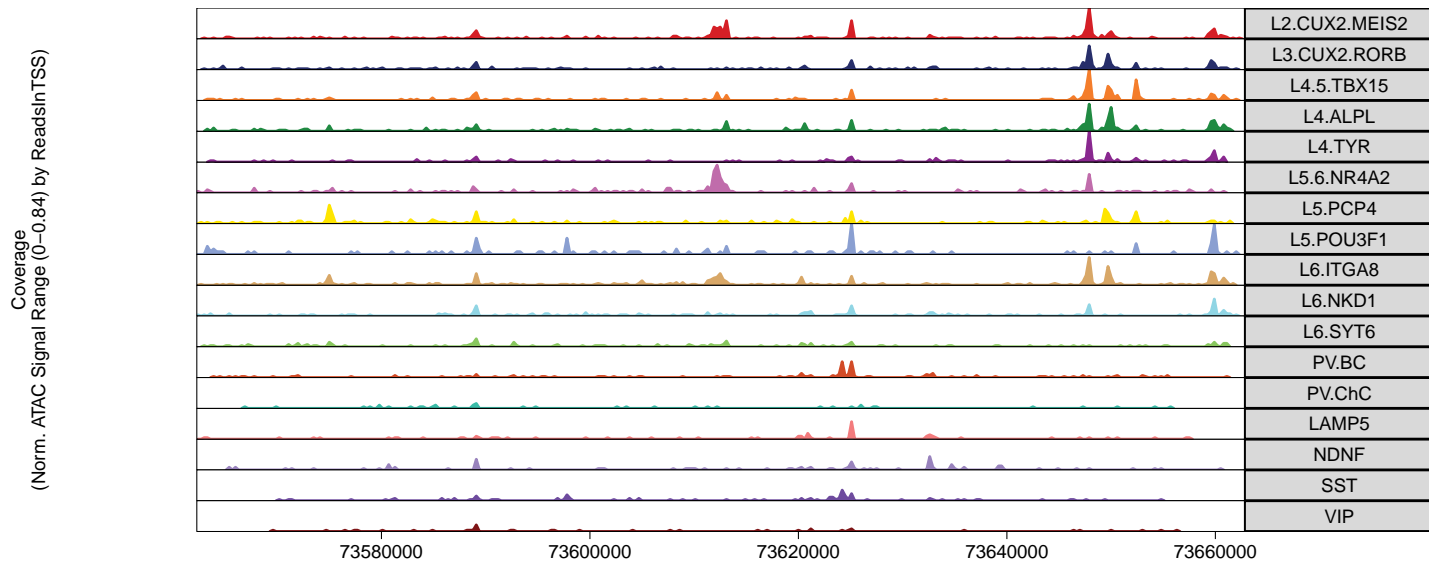


Peaks



Genes

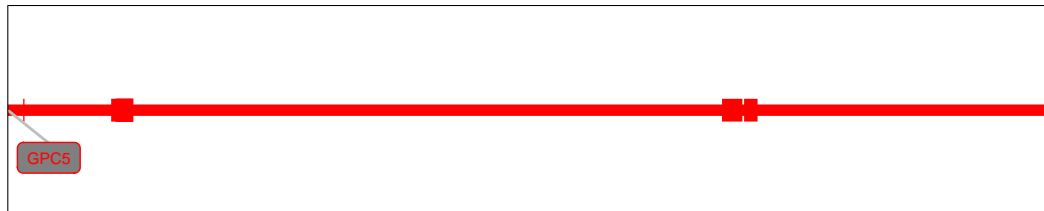
## chr17:73562288–73662789 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

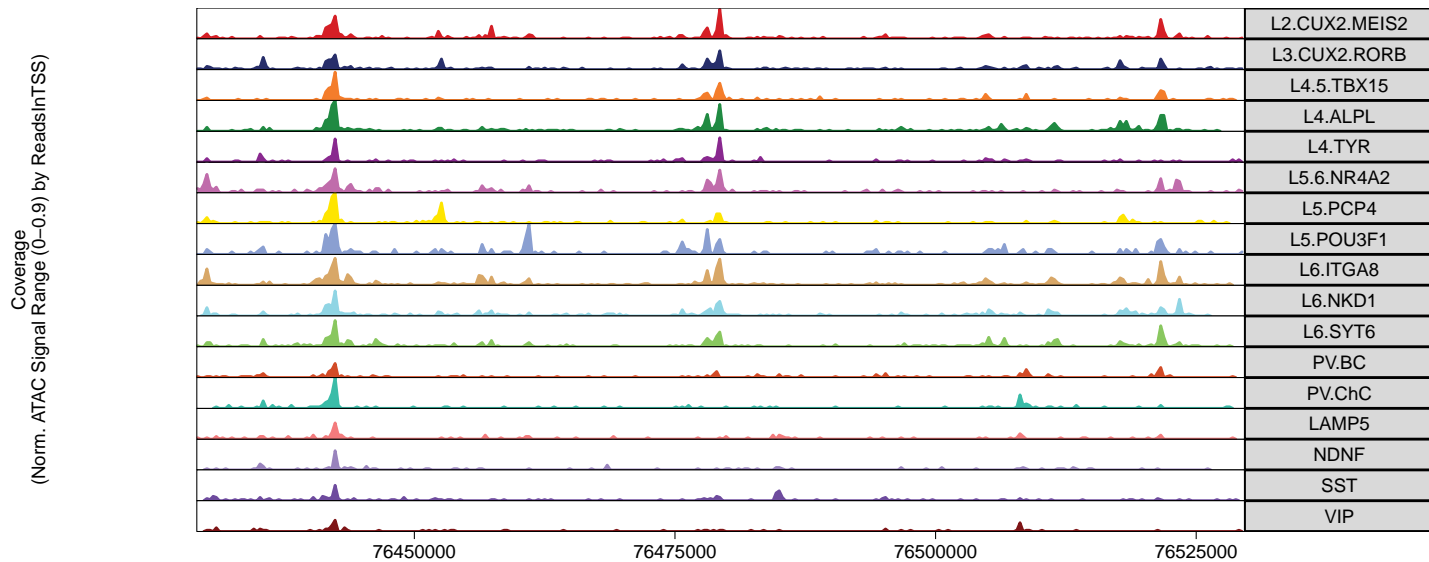


Peaks



Genes

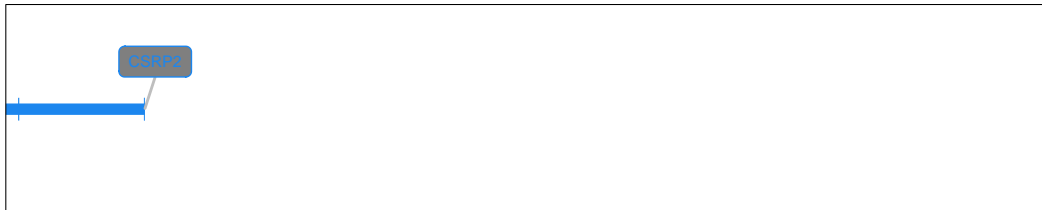
## chr11:76429129–76529630 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

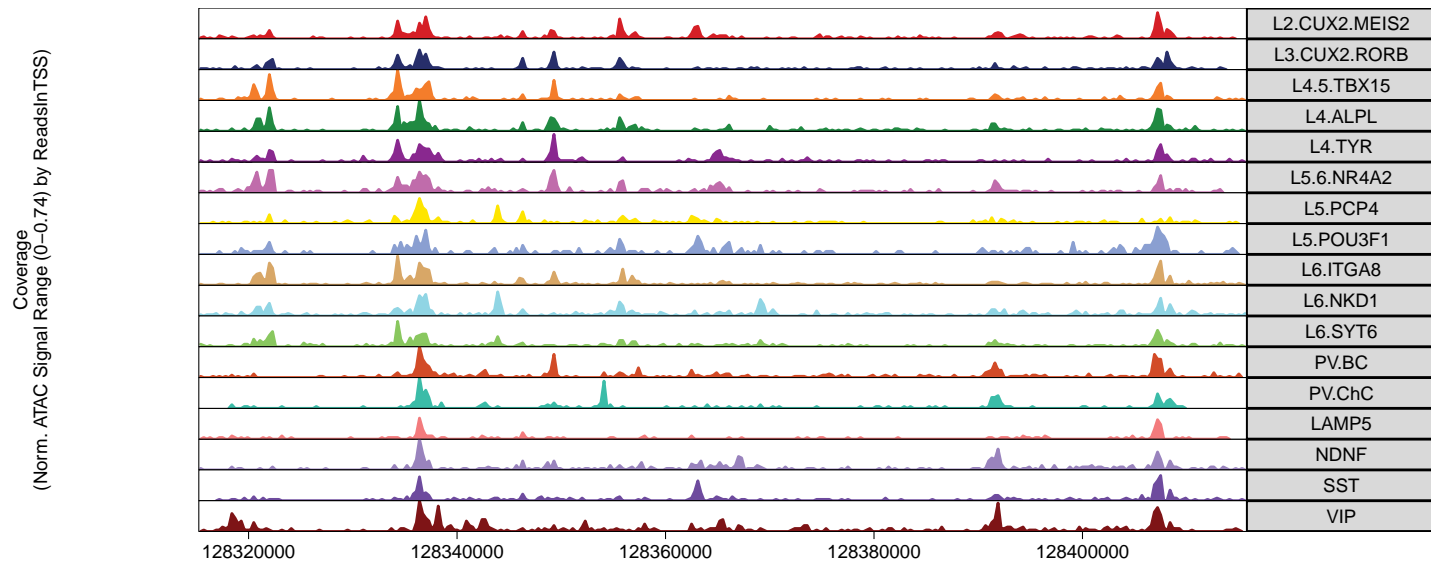


Peaks



Genes

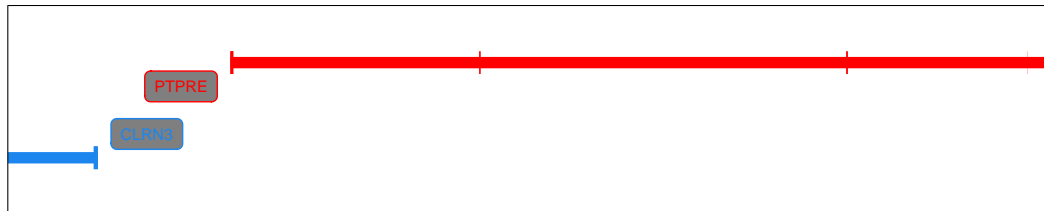
chr9:128315227–128415728 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

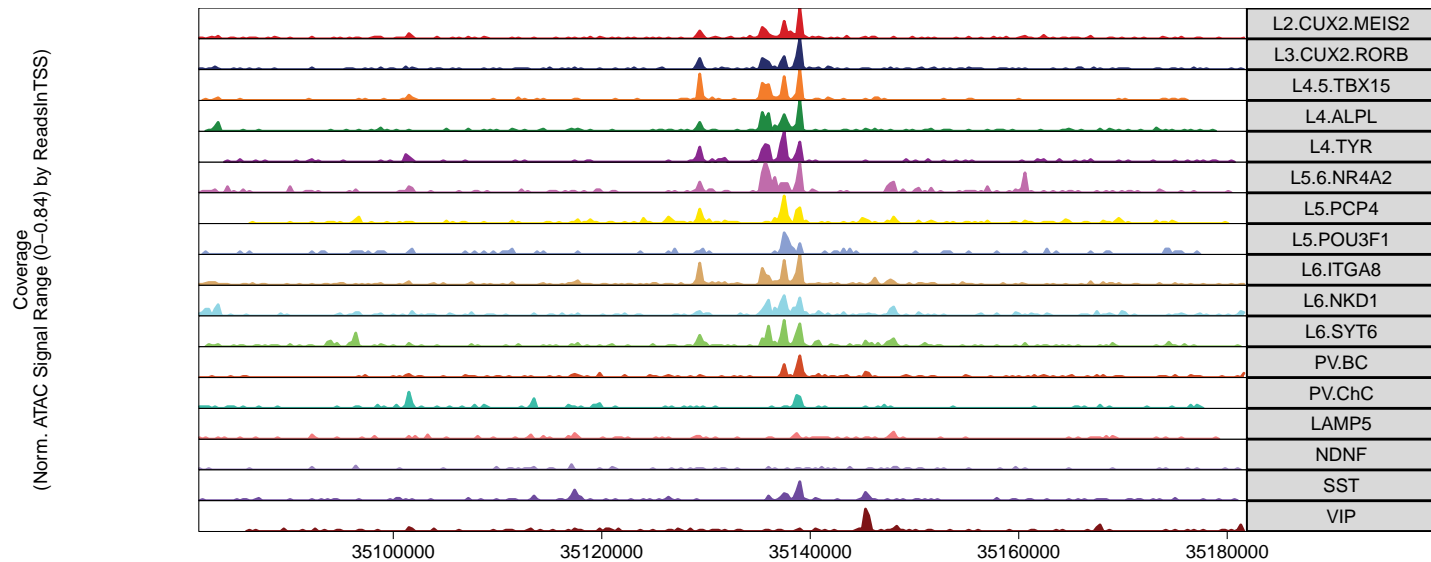


Peaks



Genes

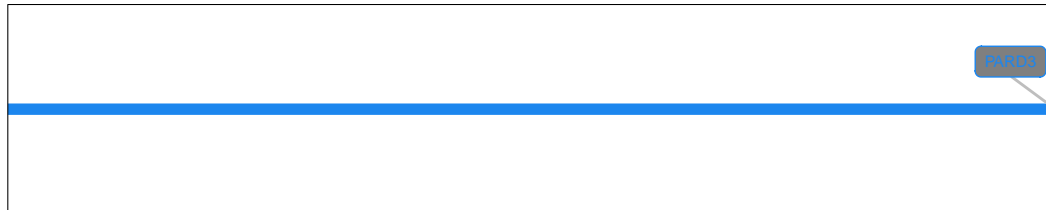
## chr9:35081344–35181845 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

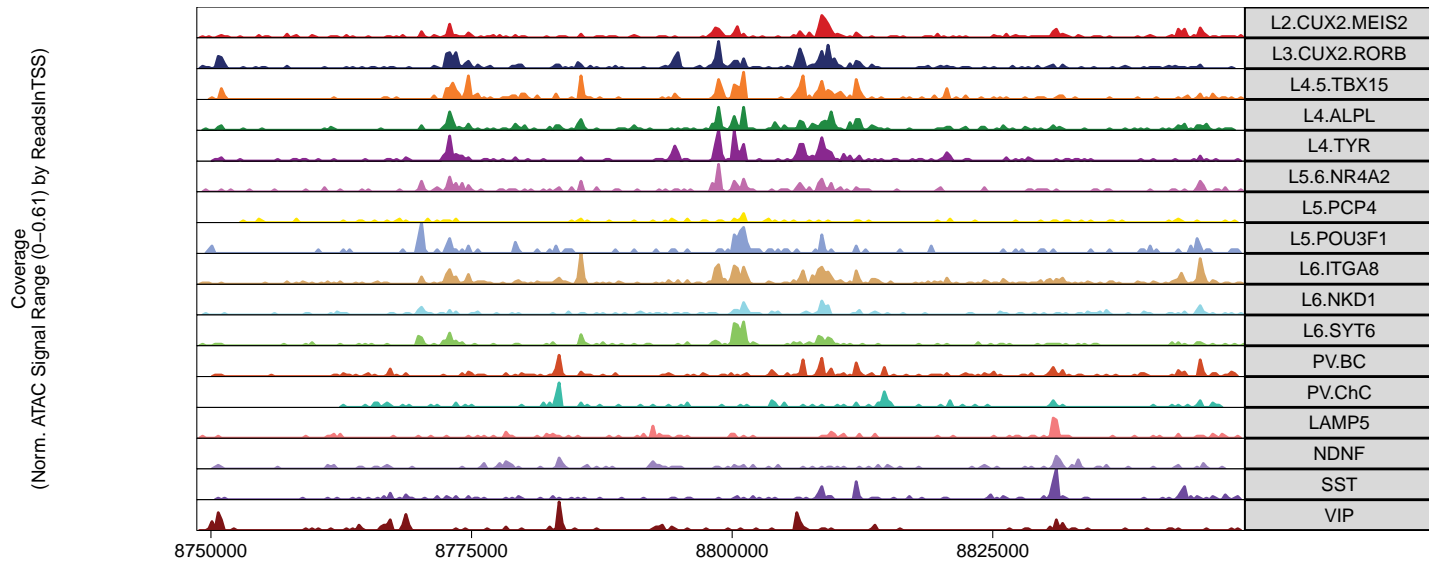


Peaks



Genes

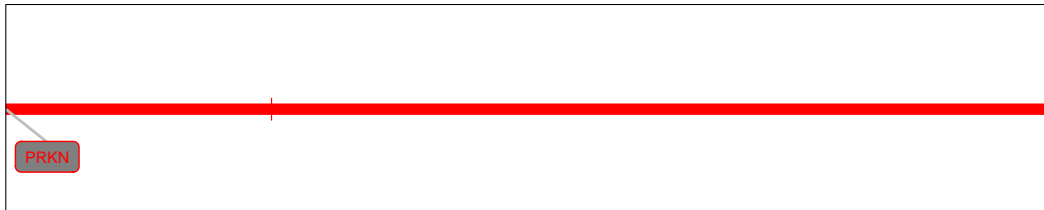
## chr4:8748643–8849144 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

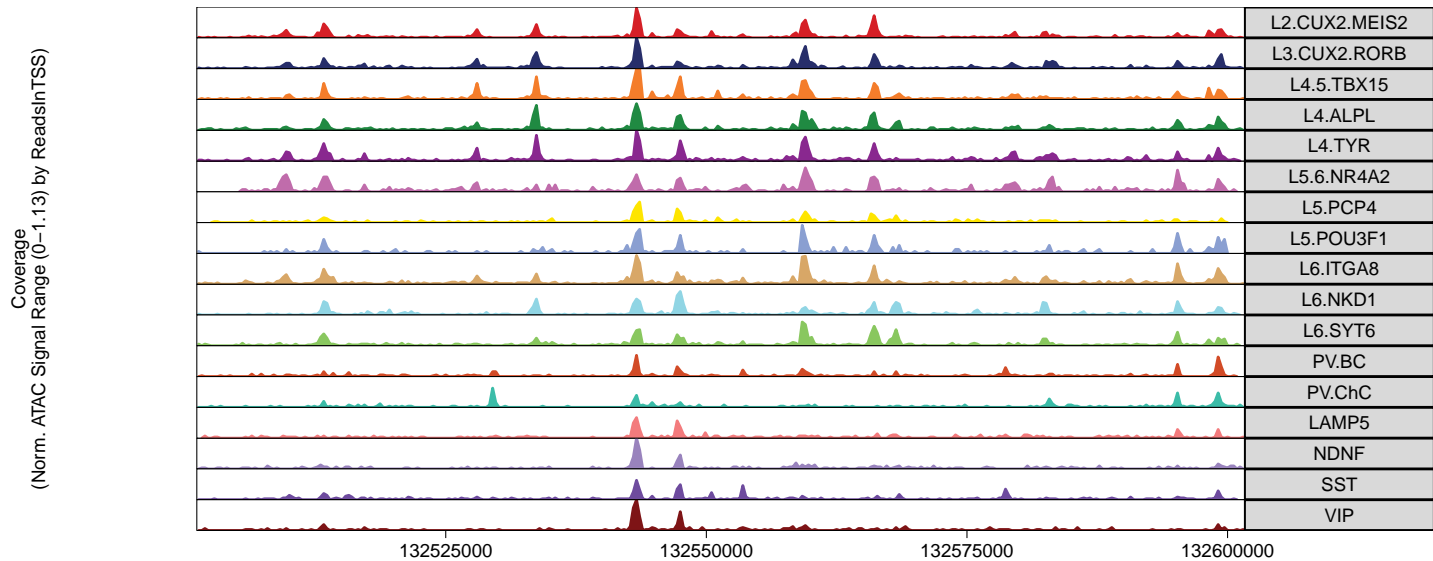


Peaks



Genes

chr8:132501119–132601620 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15



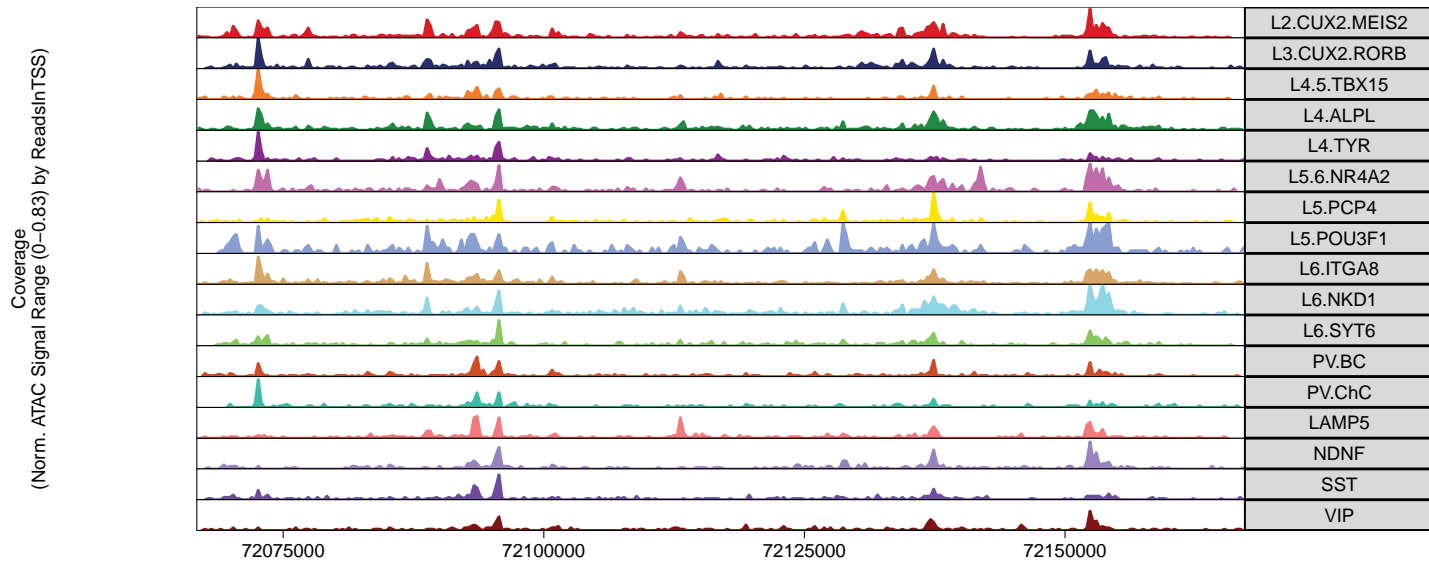
Peaks



Genes



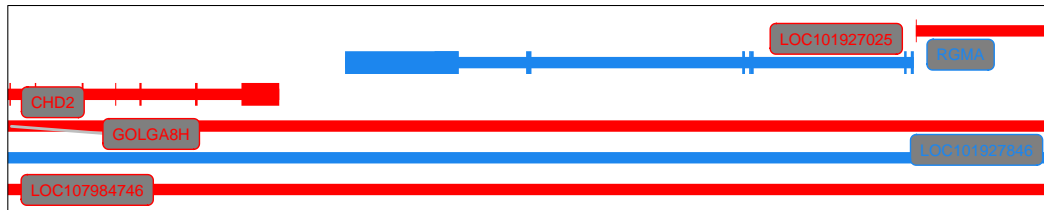
## chr7:72066711–72167212 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

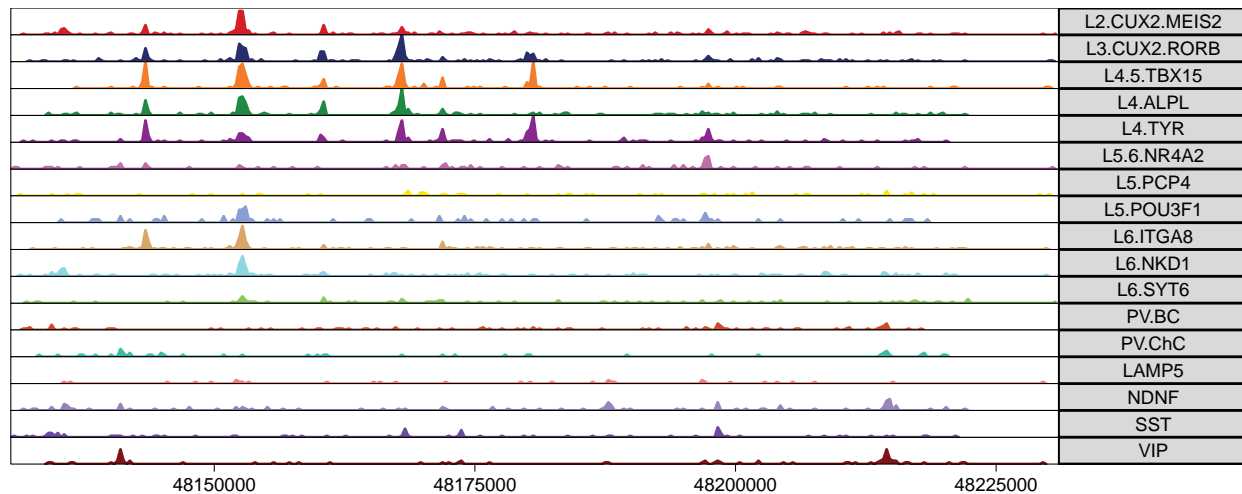


Peaks

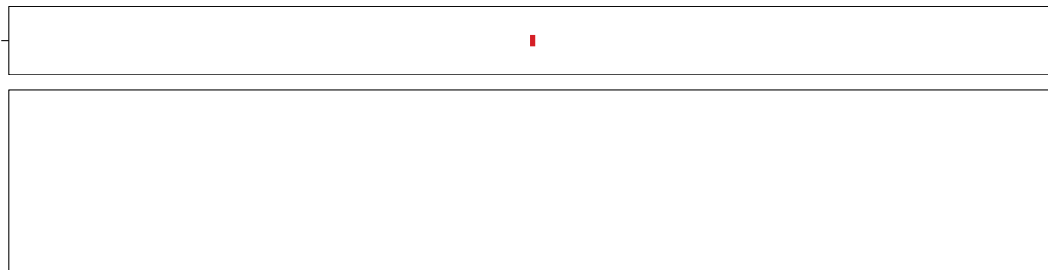


Genes

## chr20:48130480–48230981 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–0.62) by ReadsInTSS)

L4.5.TBX15

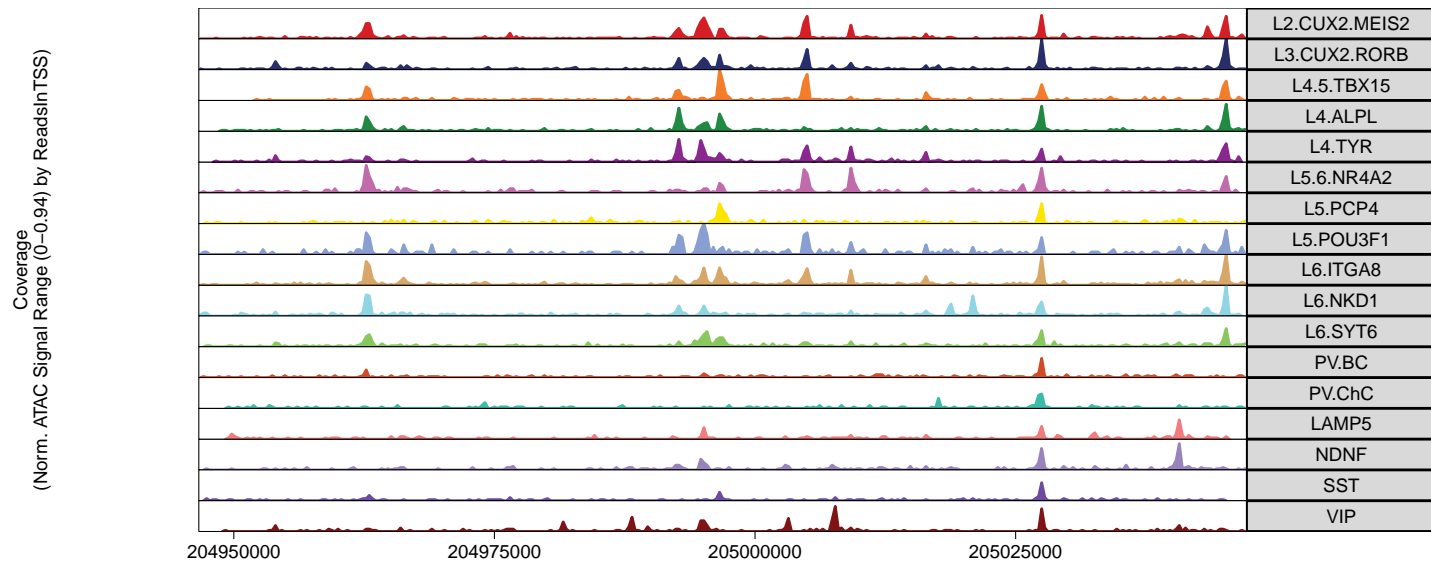


Peaks

GeneTrack

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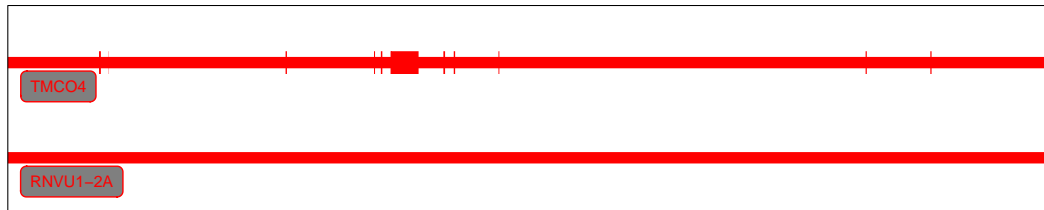
## chr1:204946642–205047143 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

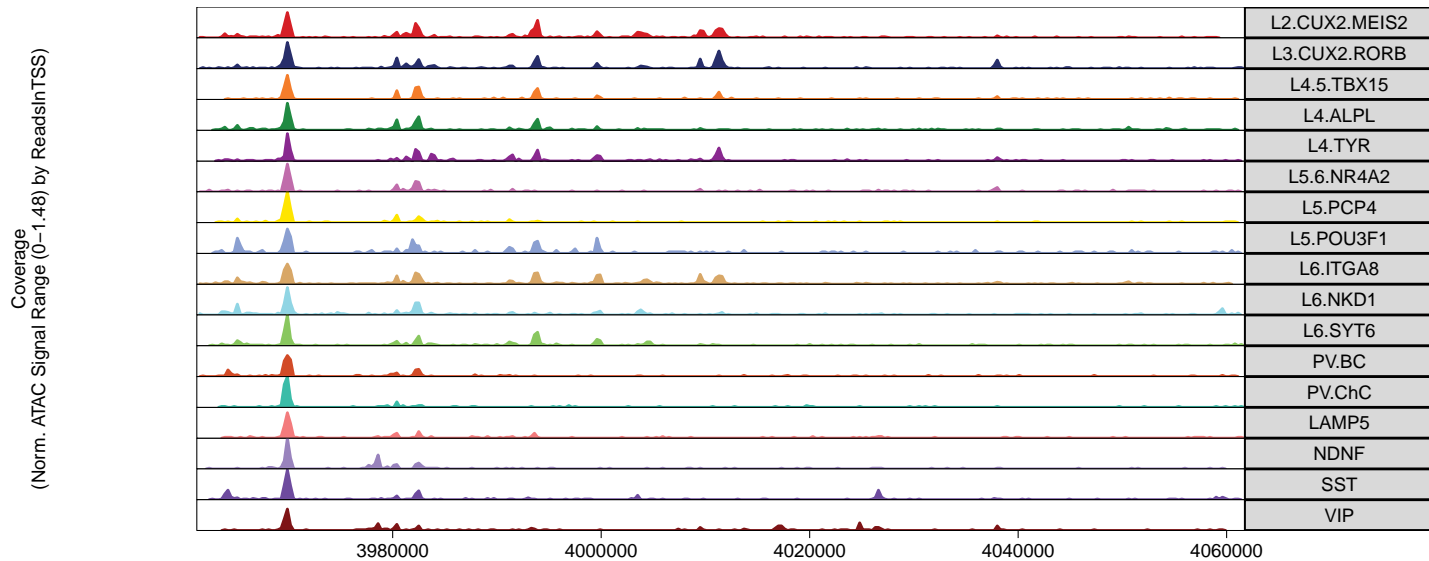


Peaks



Genes

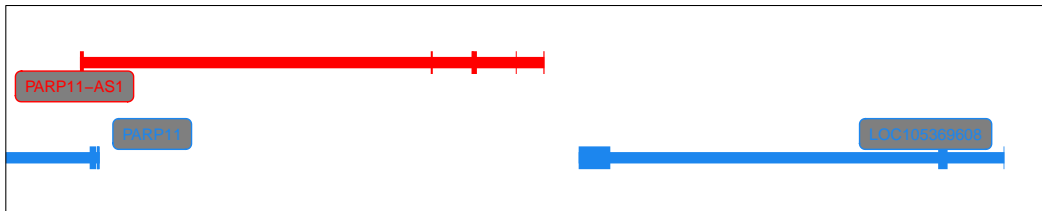
## chr11:3961209–4061710 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

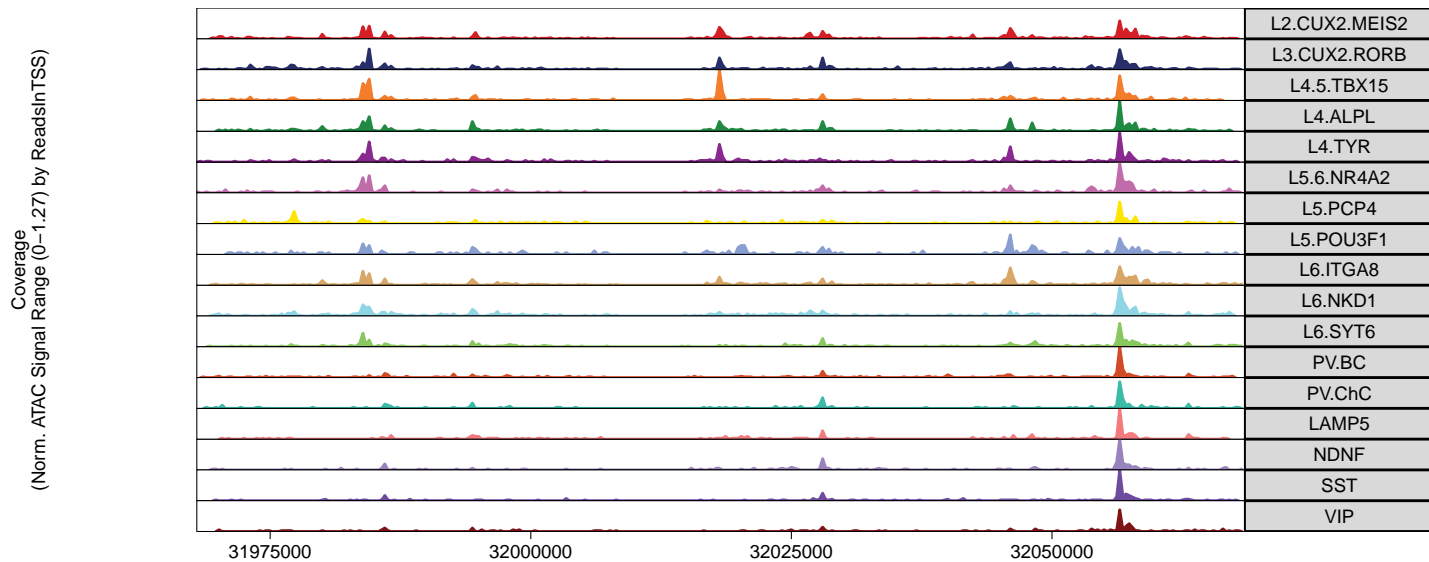


Peaks



Genes

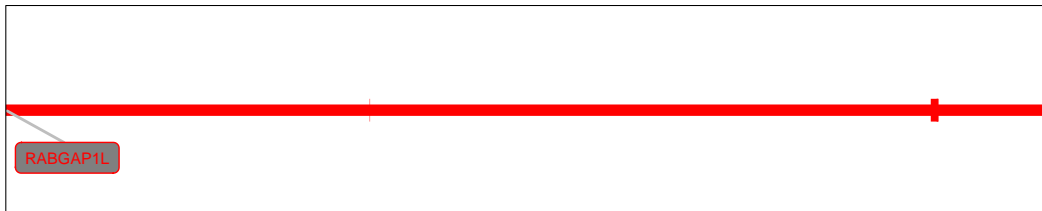
## chr1:31967962–32068463 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15



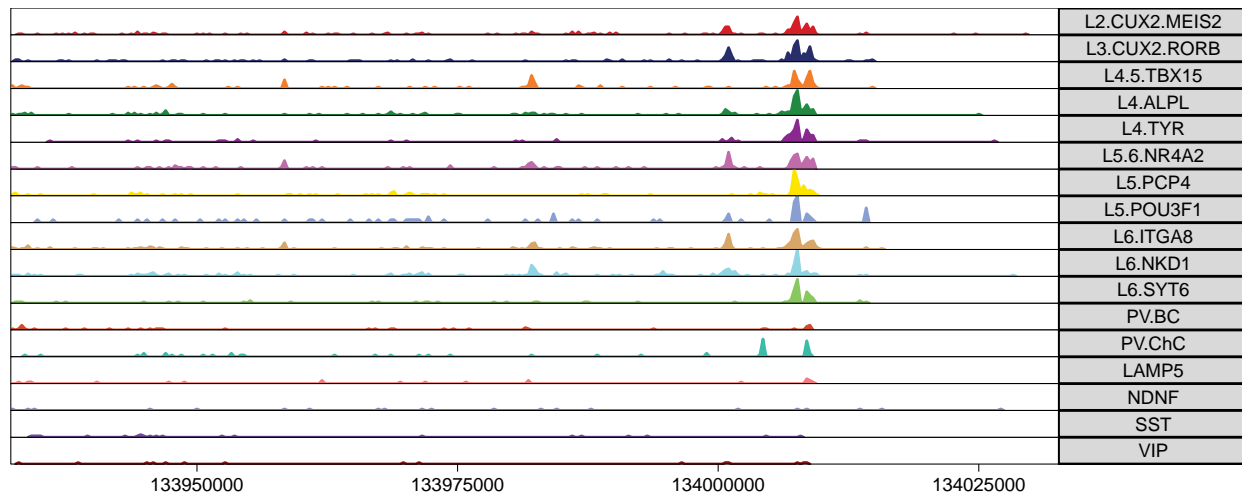
Peaks



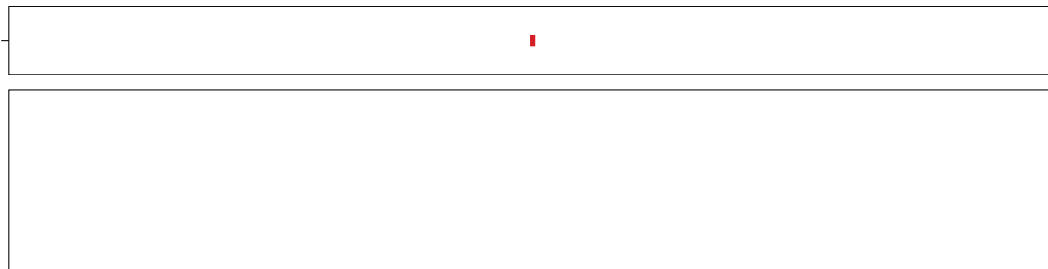
Genes

chr9:133932142–134032643 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–0.67) by ReadsInTSS)



L4.5.TBX15



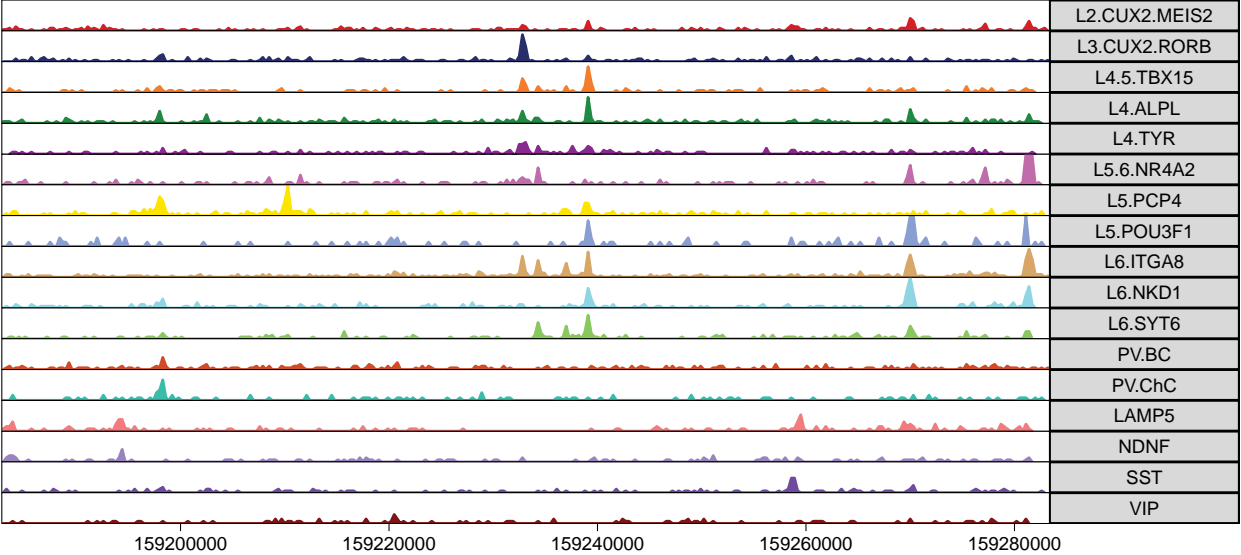
Peaks

GeneTrack

strand ● ·

chr3:159182855–159283356 Marker Peak Tracks for: L4.5.TBX15

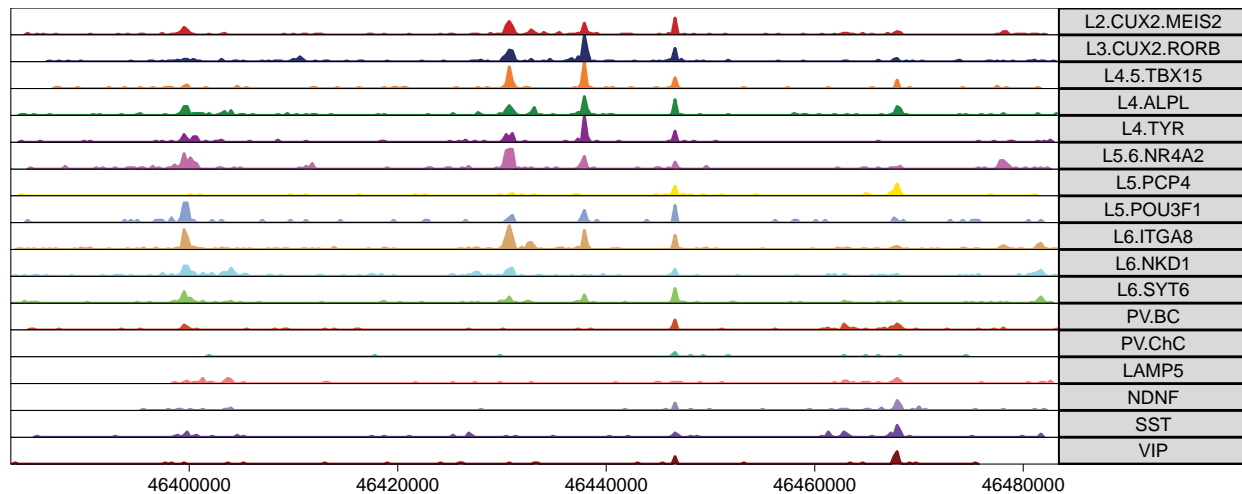
Coverage  
(Norm. ATAC Signal Range (0–0.53) by ReadsInTSS)



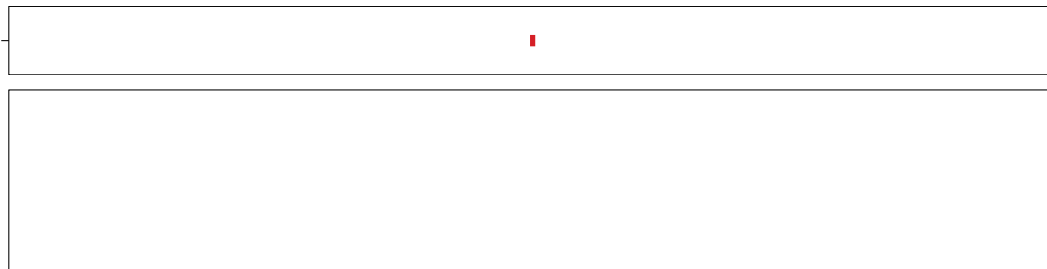
L4.5.TBX15



## chr11:46382880–46483381 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–0.79) by ReadsInTSS)

L4.5.TBX15

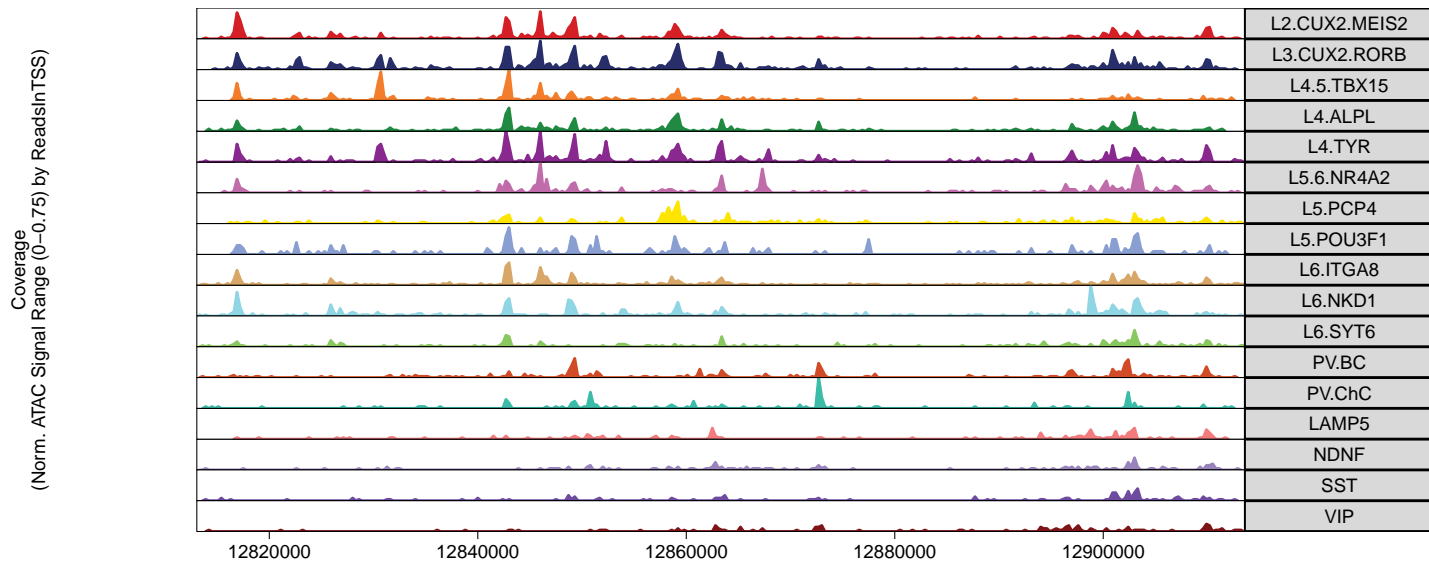


Peaks

strand ● ·



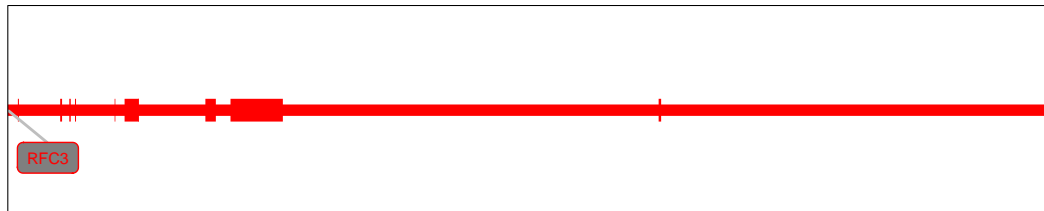
## chr17:12813045–12913546 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

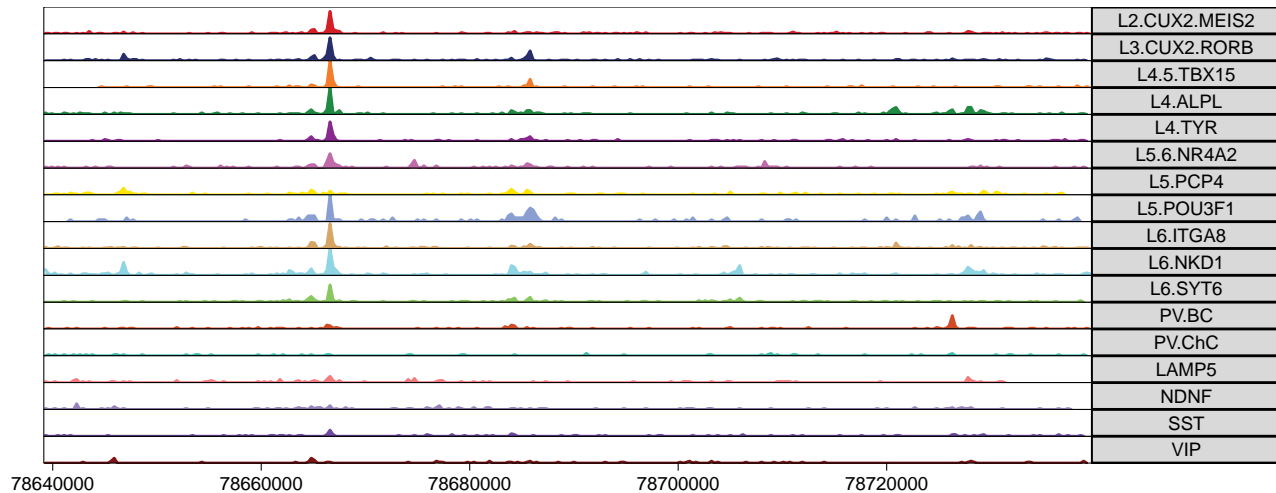


Peaks

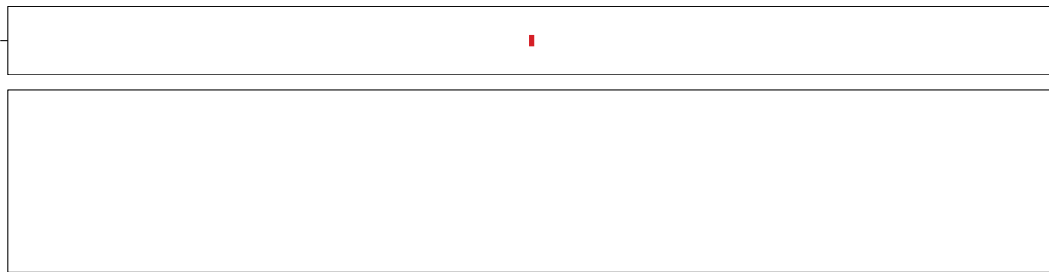


Genes

## chr6:78639144–78739645 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–1.01) by ReadsInTSS)

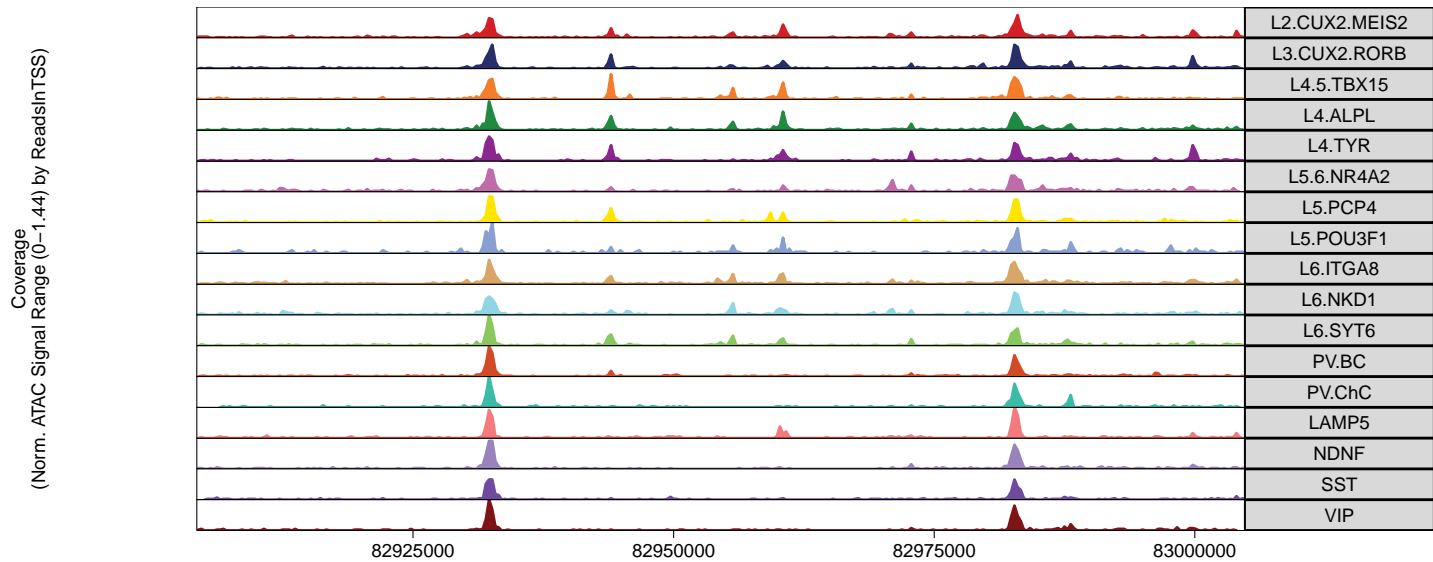
L4.5.TBX15



GeneTrack

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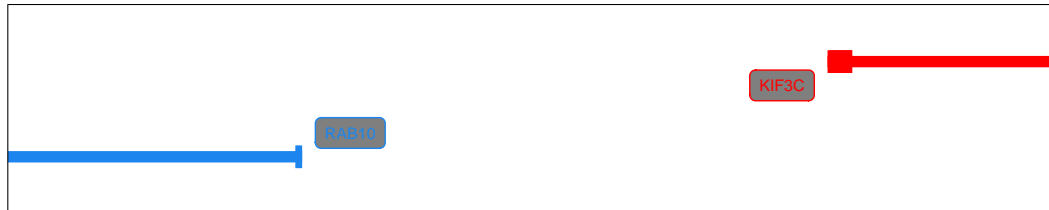
## chr13:82904260–83004761 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

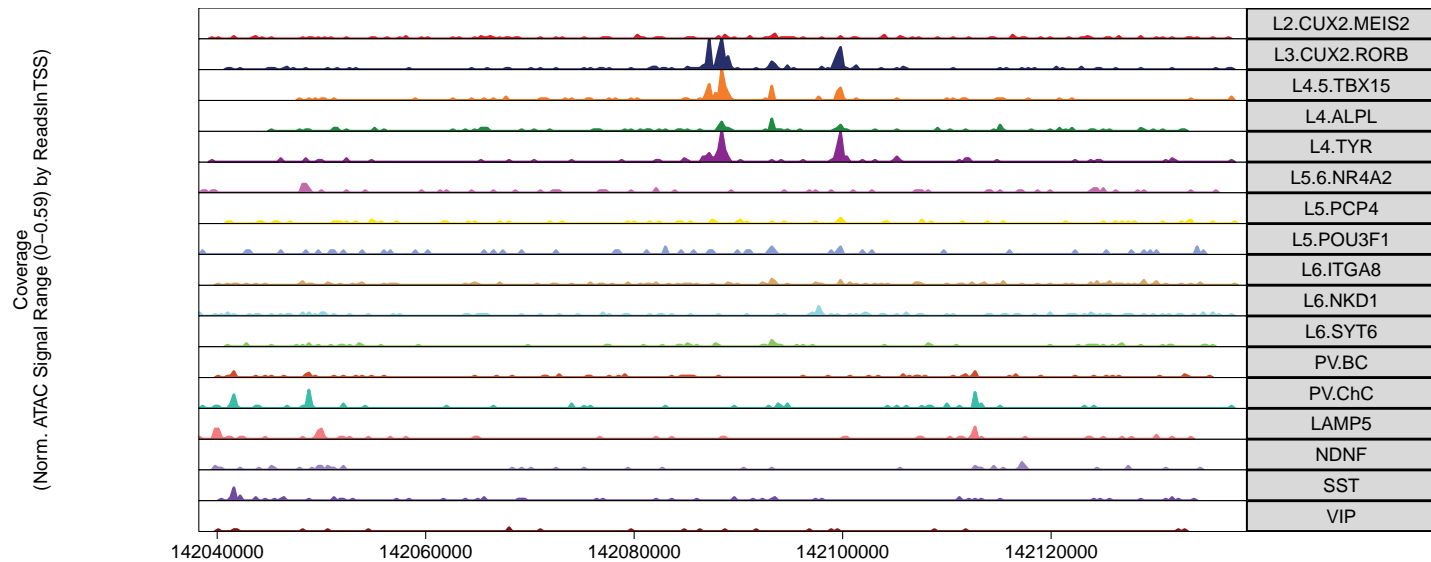


Peaks



Genes

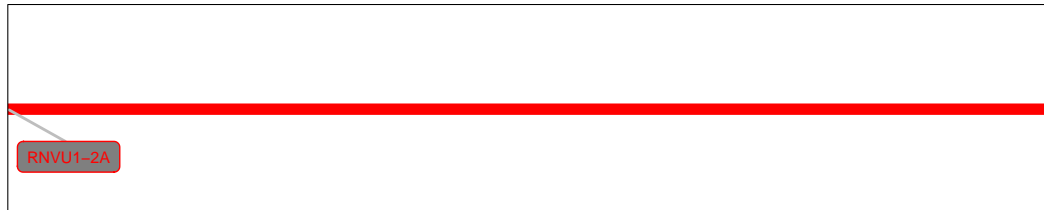
## chr1:142038235–142138736 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

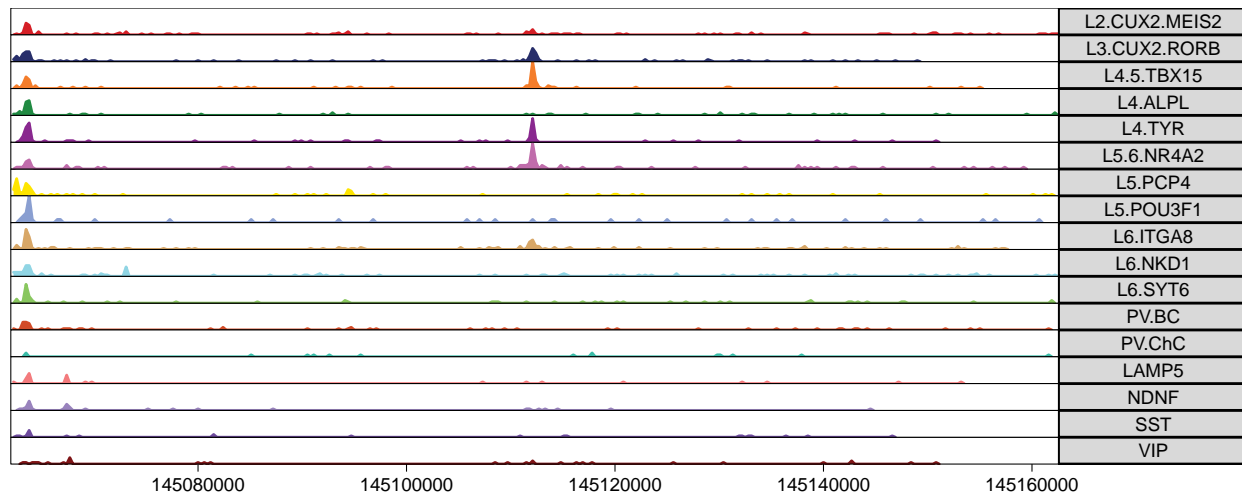


Peaks

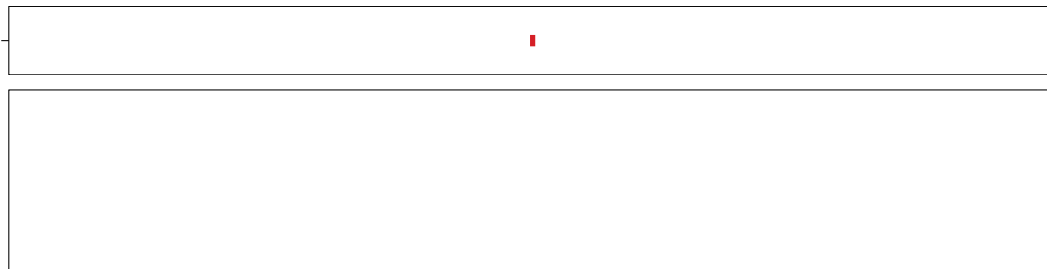


Genes

## chrX:145062039–145162540 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–0.61) by ReadsInTSS)

L4.5.TBX15

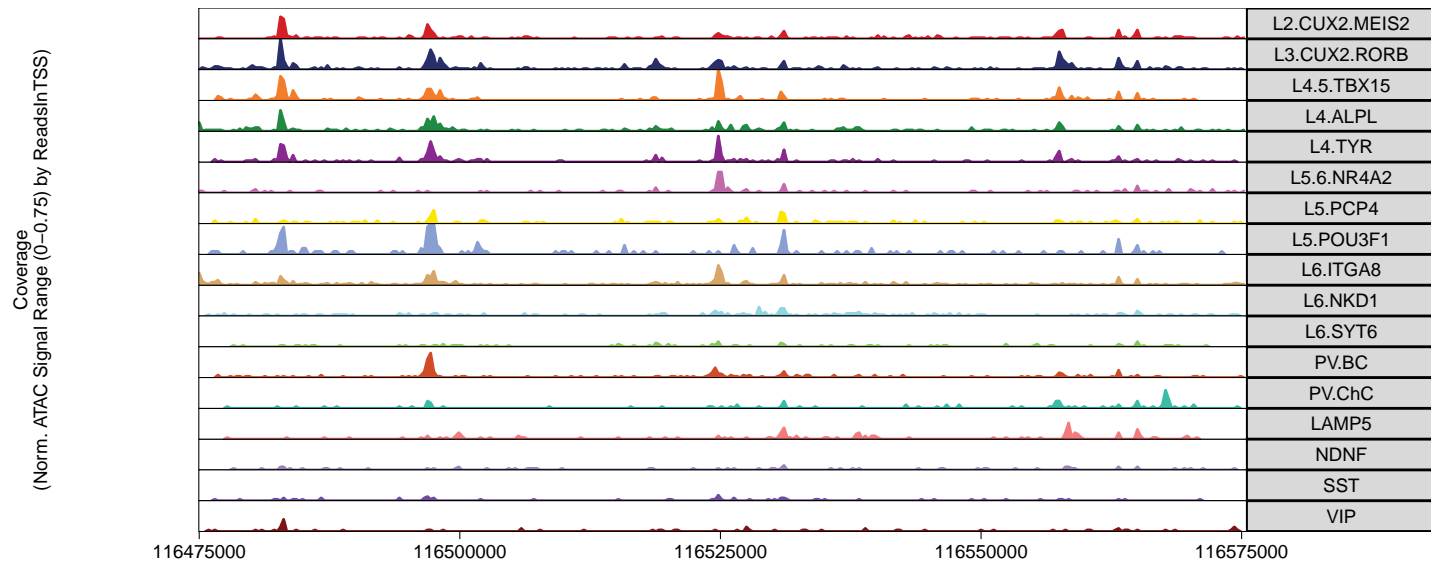


Peaks

GeneTrack

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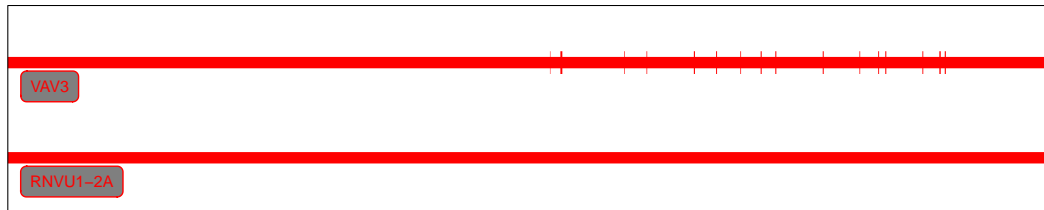
## chr1:116474960–116575461 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

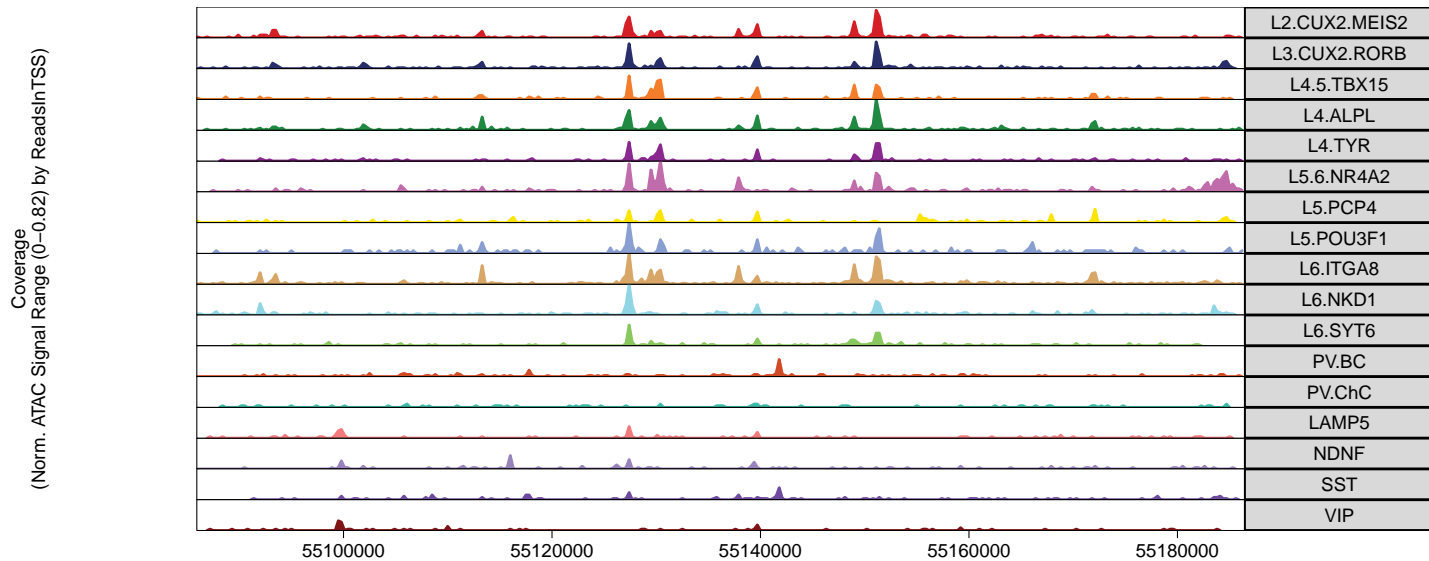


Peaks



Genes

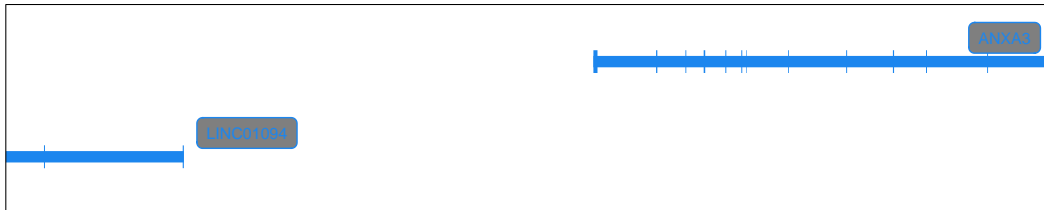
## chr5:55085926–55186427 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

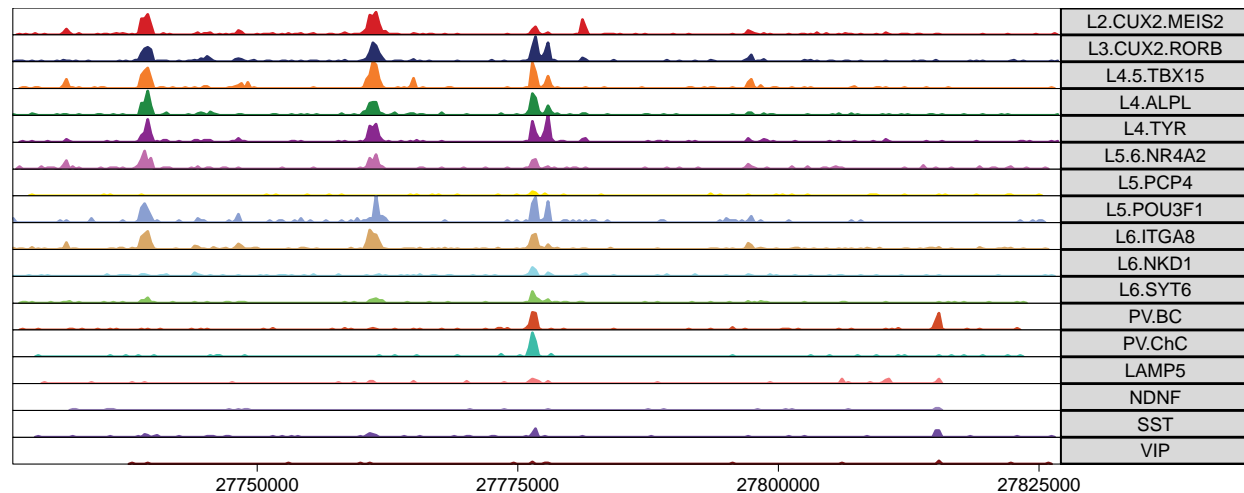


Peaks

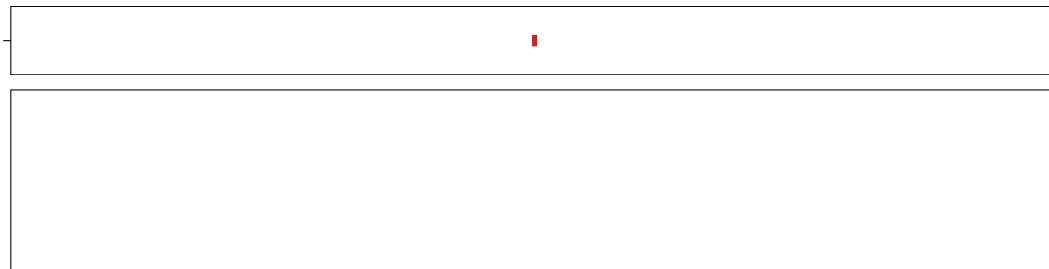


Genes

## chr1:27726555–27827056 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–0.93) by ReadsInTSS)

L4.5.TBX15



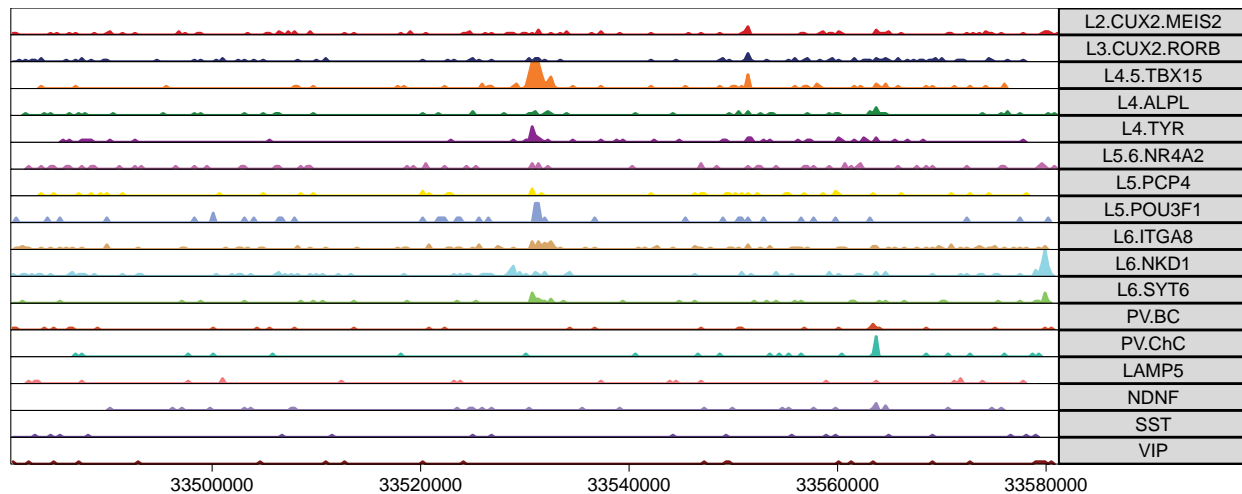
Peaks

GeneTrack

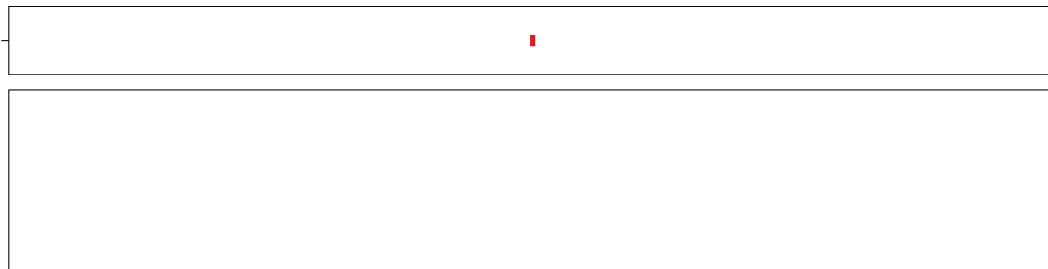
strand ● ·



## chr1:33480686–33581187 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–0.41) by ReadsInTSS)

L4.5.TBX15

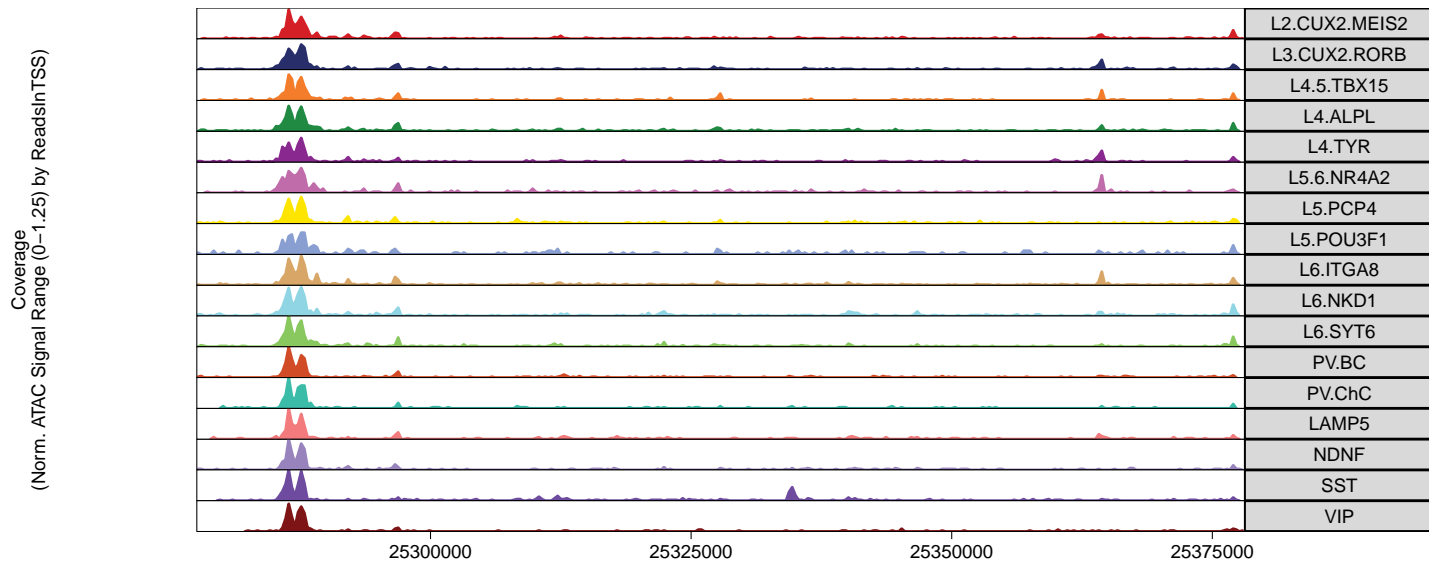


Peaks

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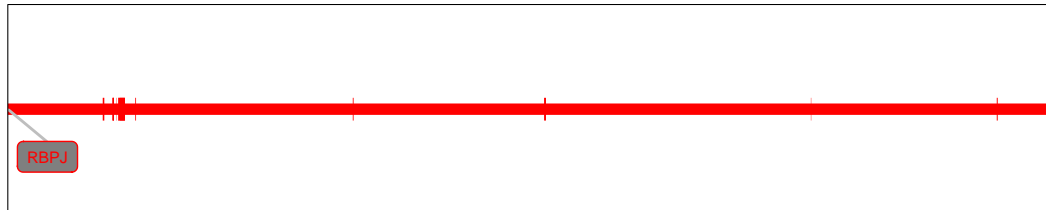
## chr5:25277581–25378082 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

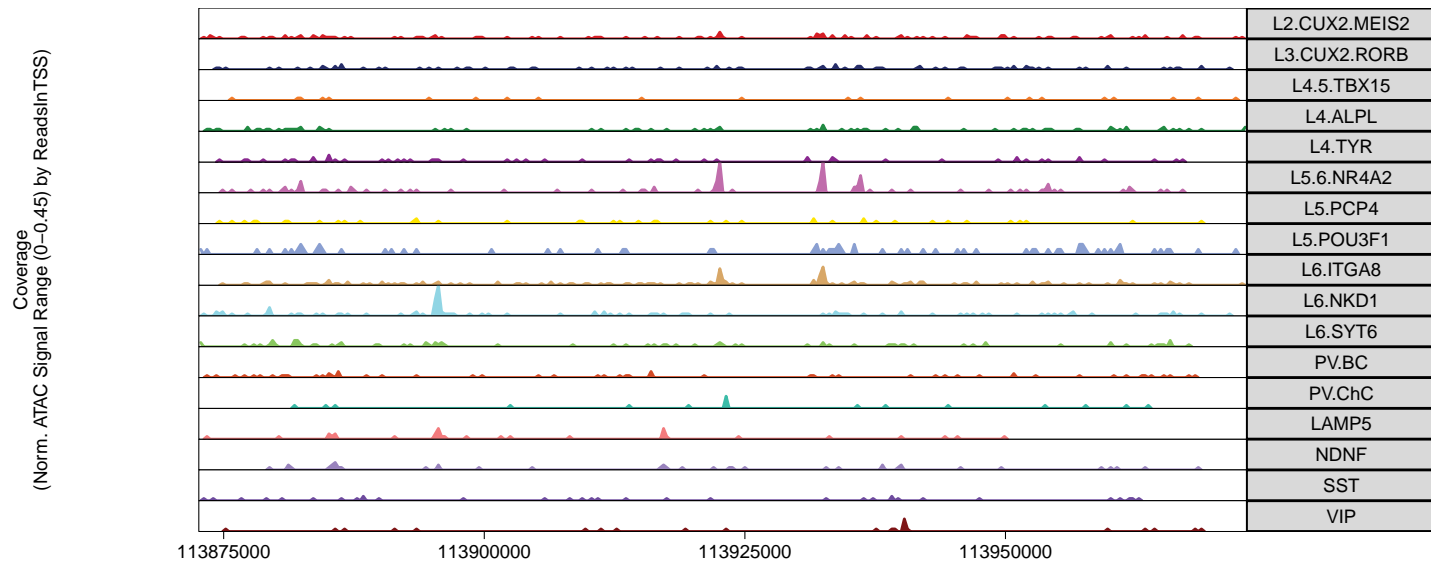


Peaks



Genes

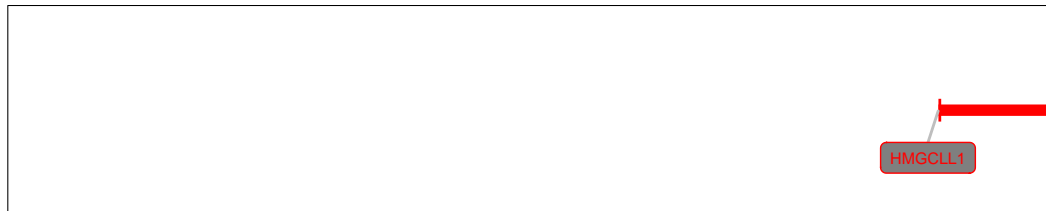
## chr4:113872615–113973116 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

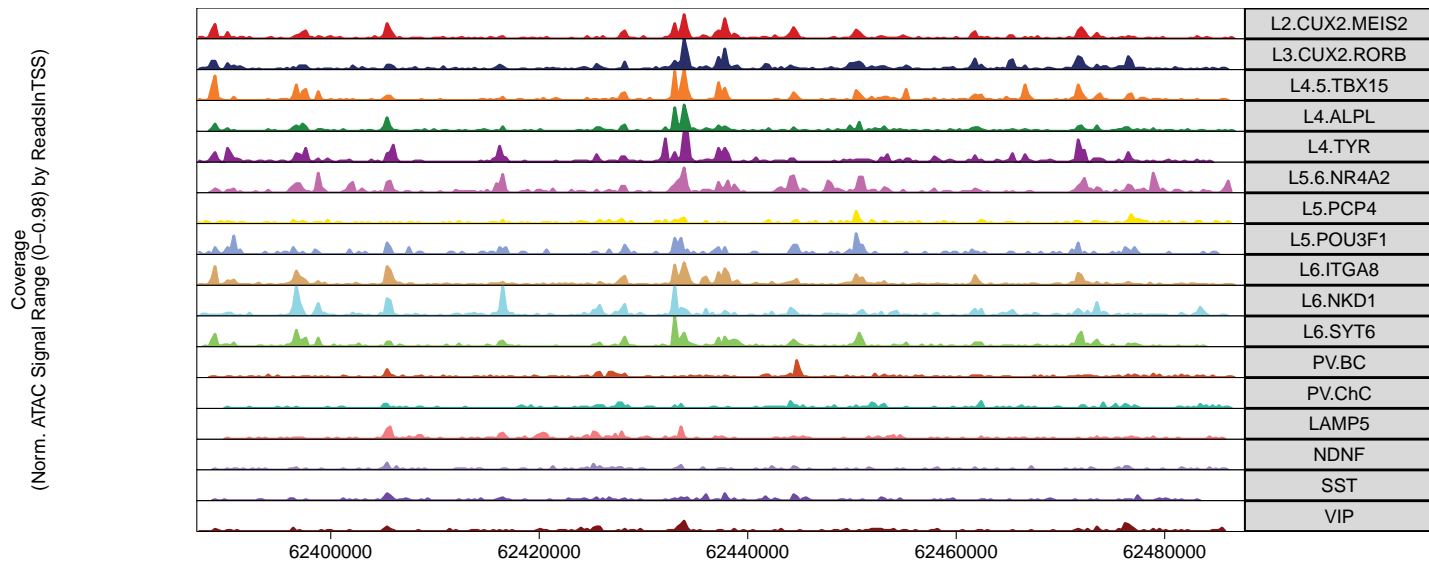


Peaks



Genes

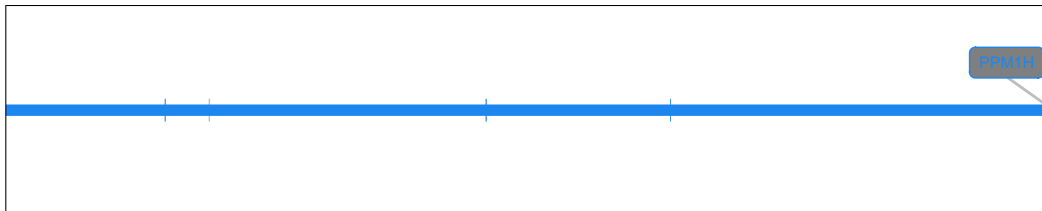
## chr11:62387149–62487650 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

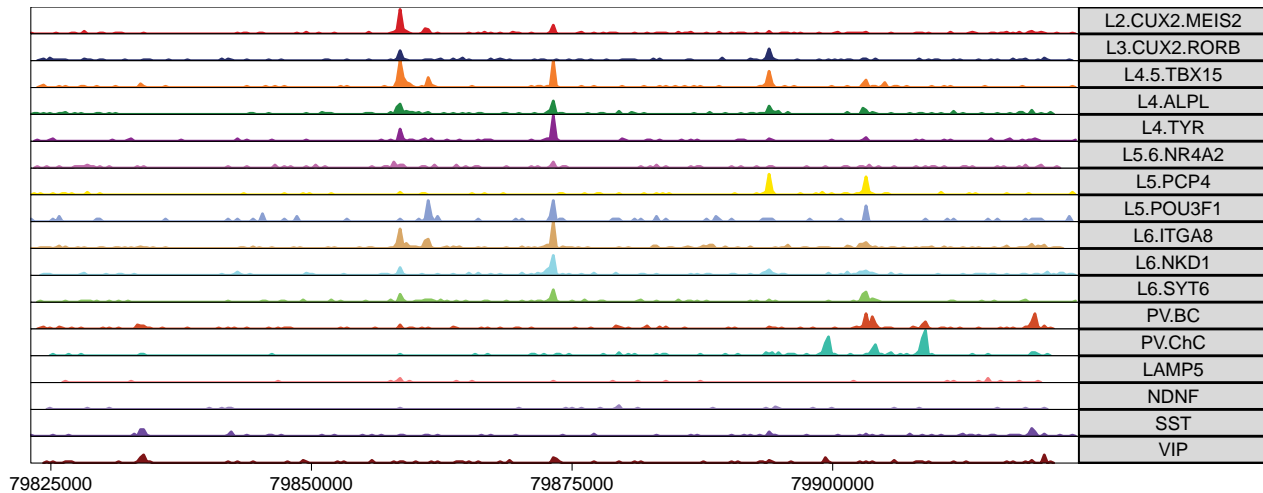


Peaks

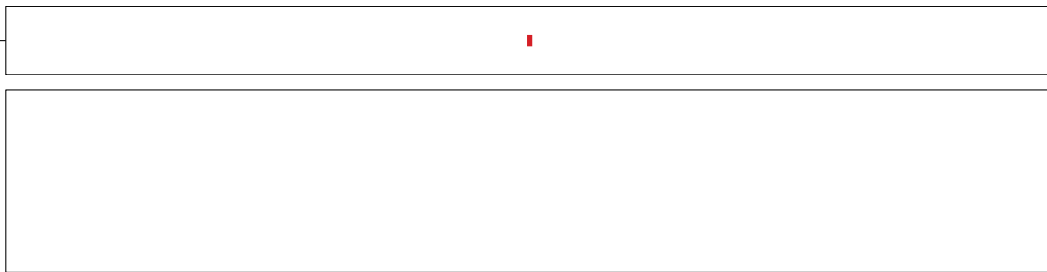


Genes

## chr1:79823075–79923576 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–0.75) by ReadsInTSS)

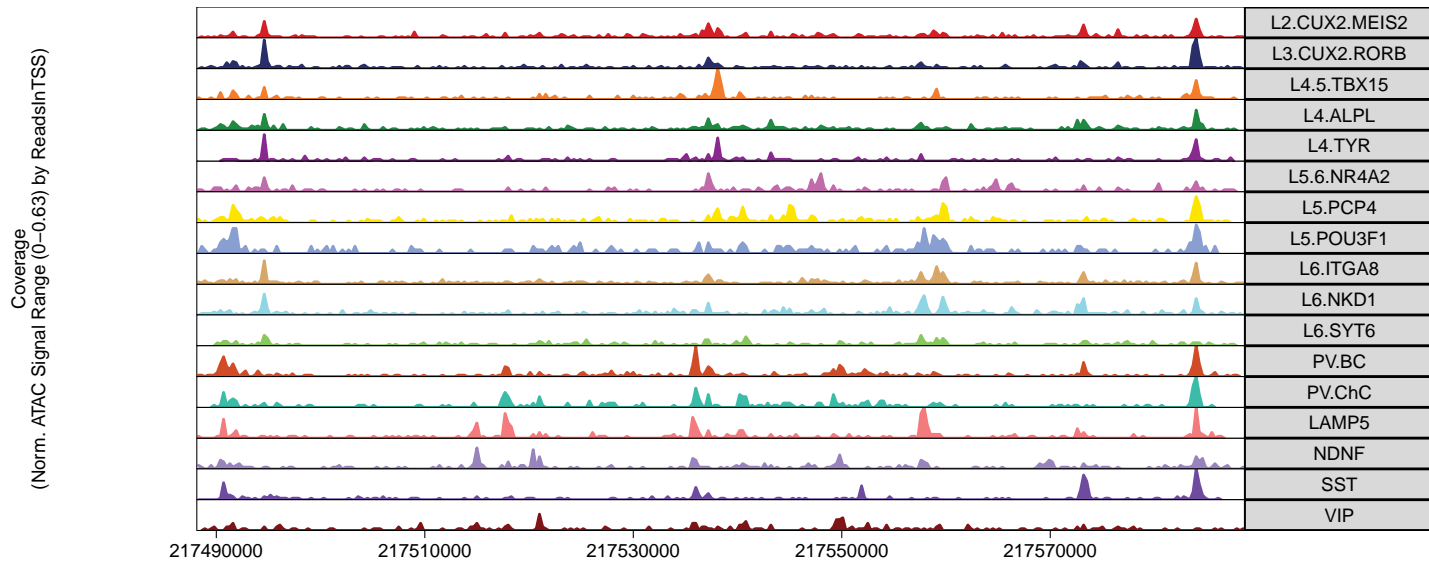
L4.5.TBX15



Peaks

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## chr1:217488128–217588629 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

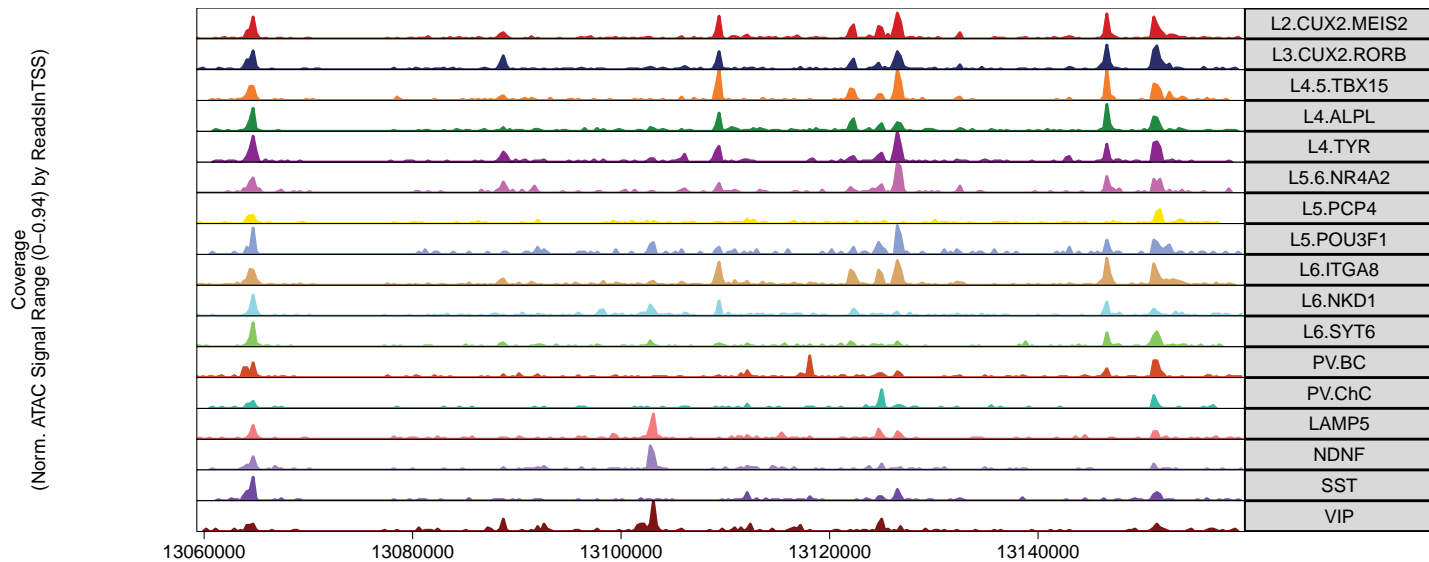


Peaks

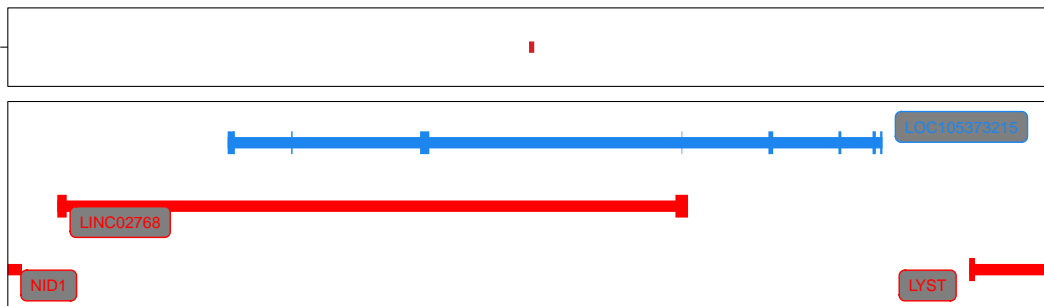


Genes

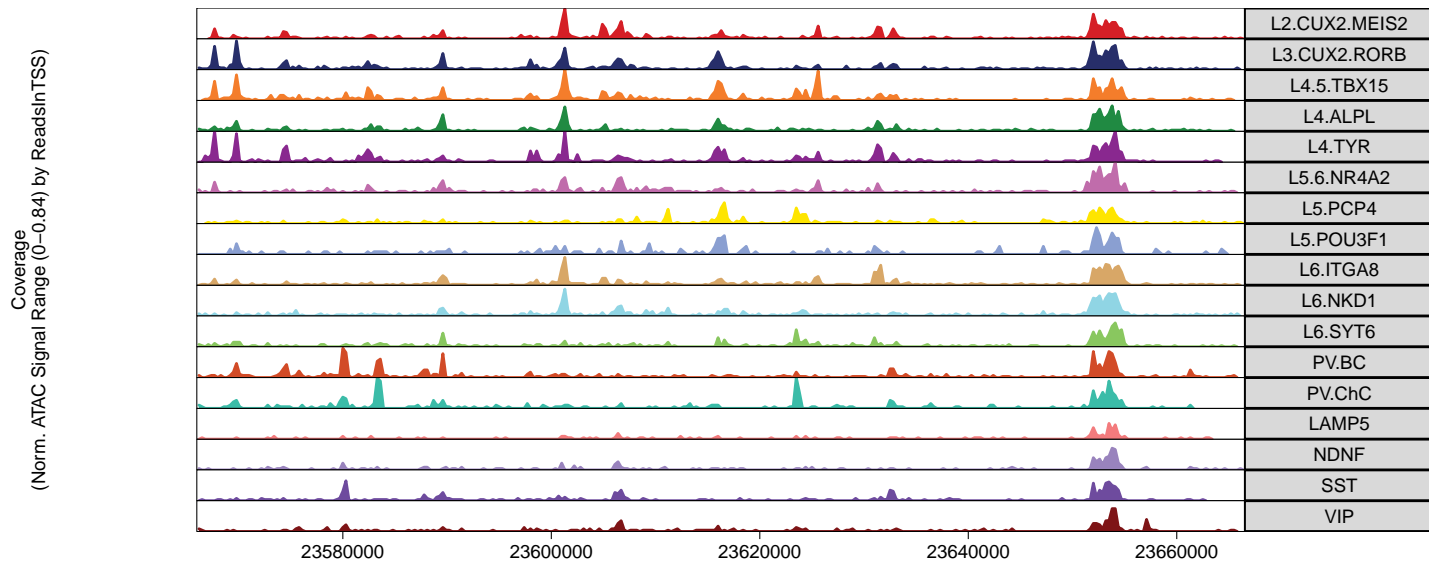
## chr1:13059297–13159798 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15



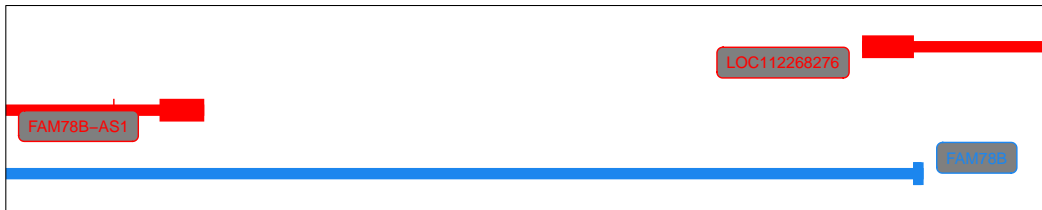
## chr1:23565992–23666493 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15



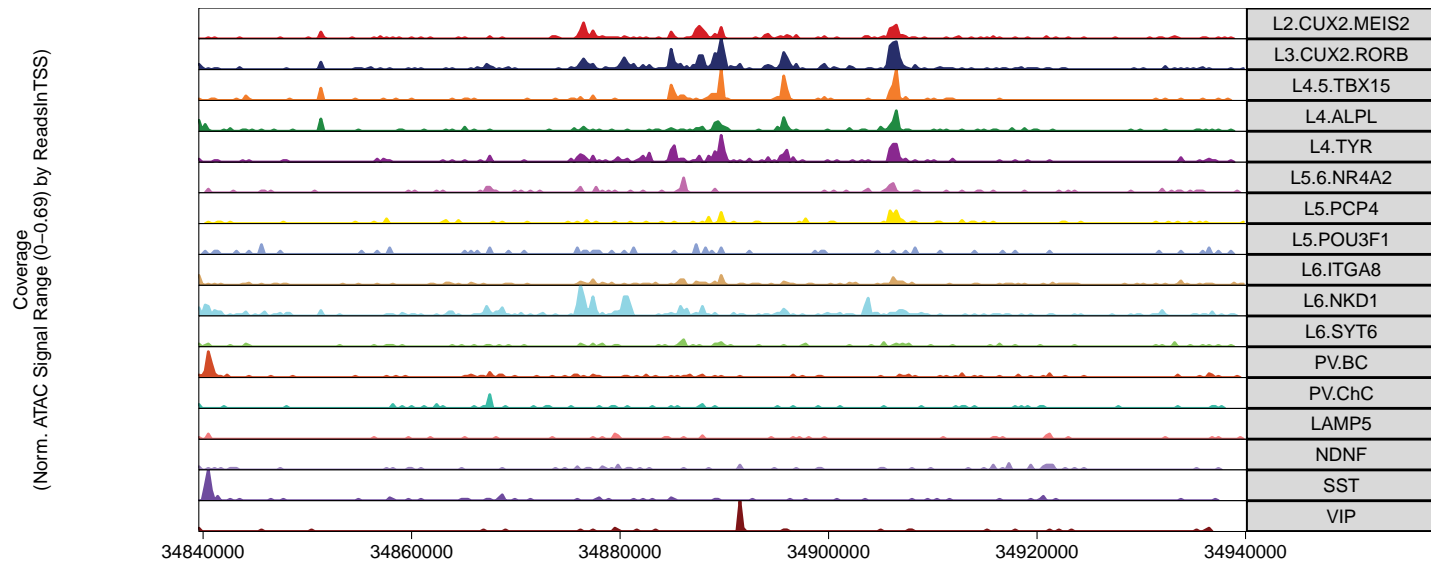
Peaks



Genes



## chr1:34839587–34940088 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15



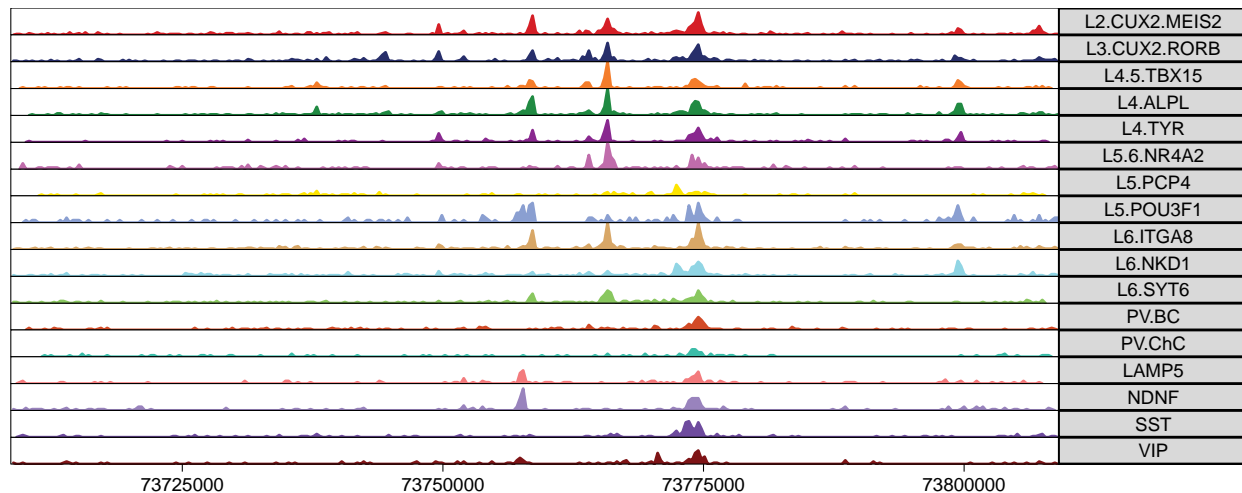
Peaks



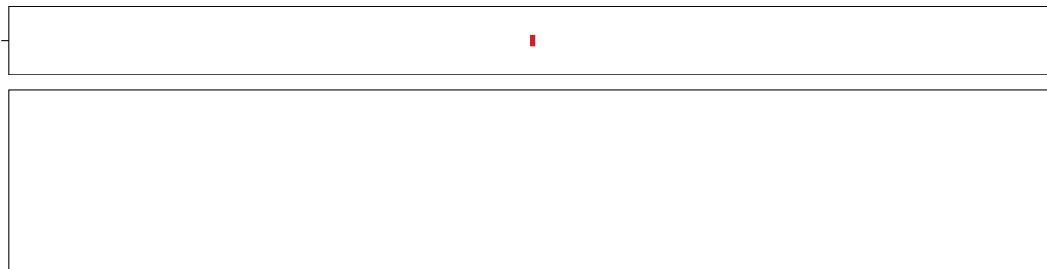
Genes

chr18:73708548–73809049 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–0.8) by ReadsInTSS)



L4.5.TBX15

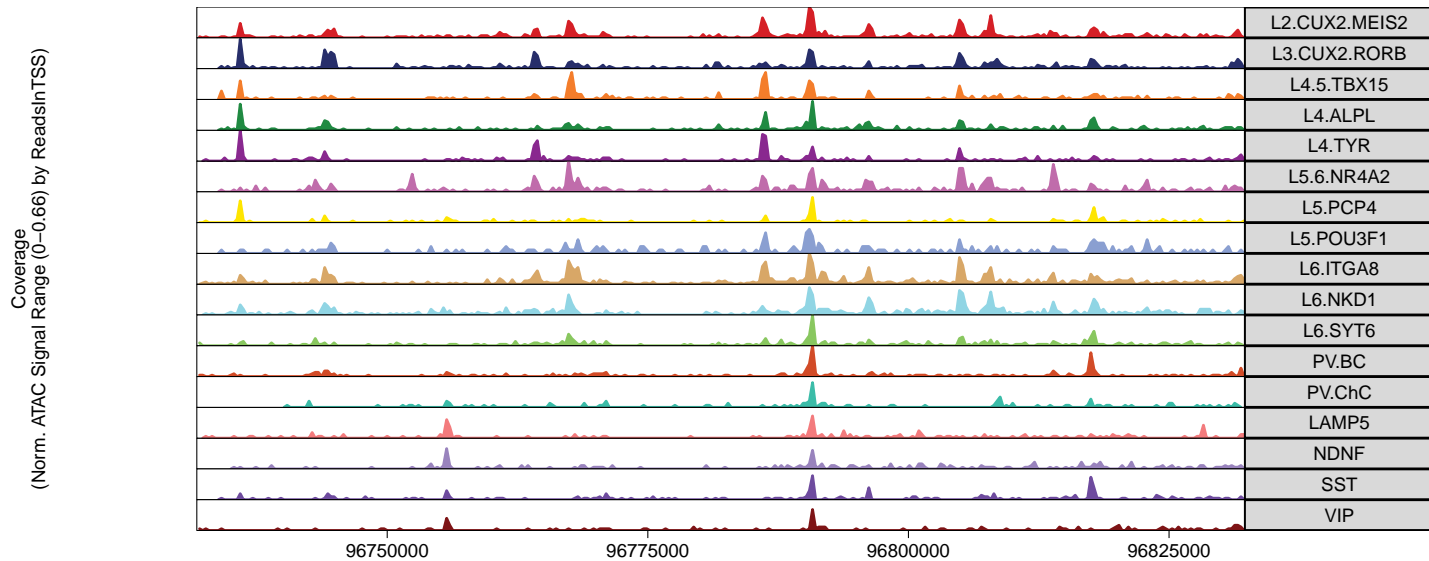


Peaks

GeneTrack

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chr5:96731733–96832234 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

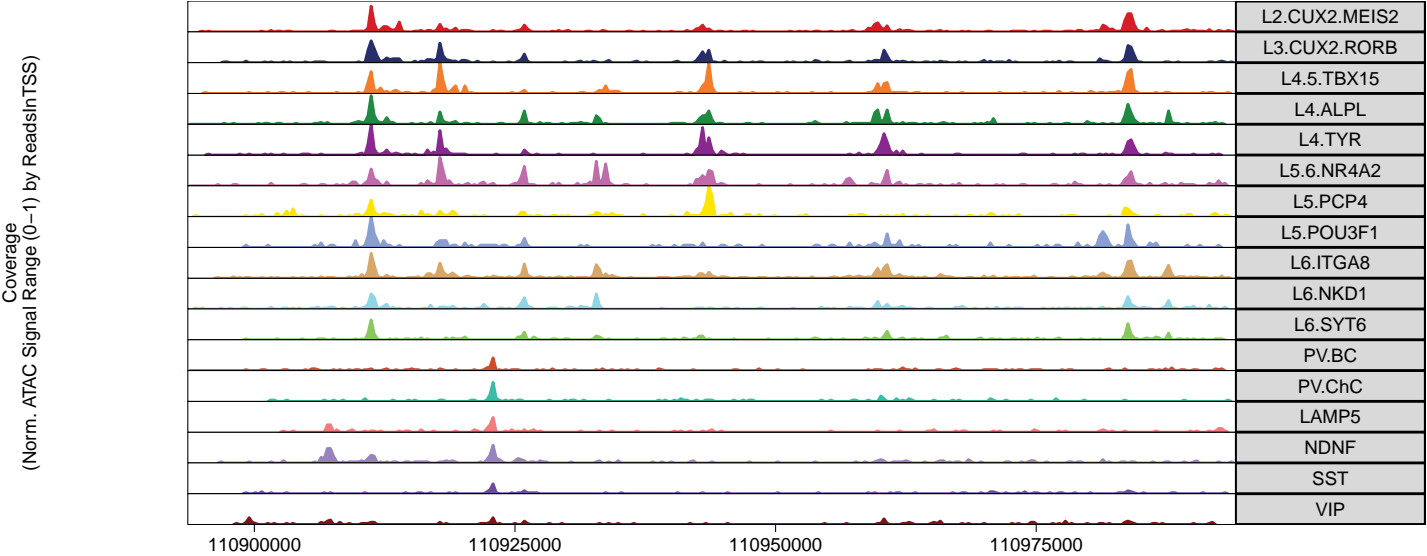


Peaks

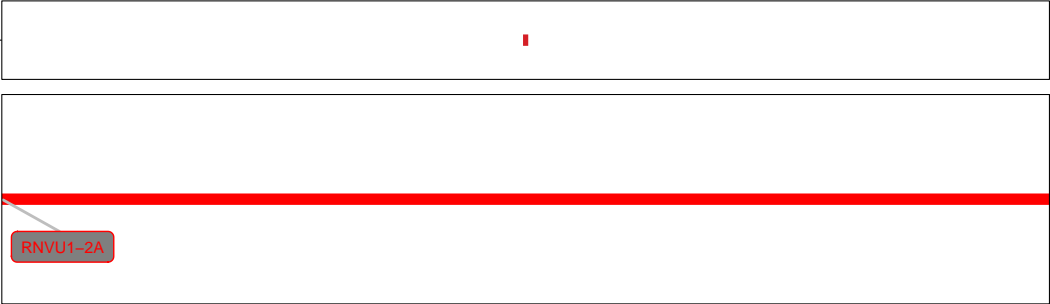


Genes

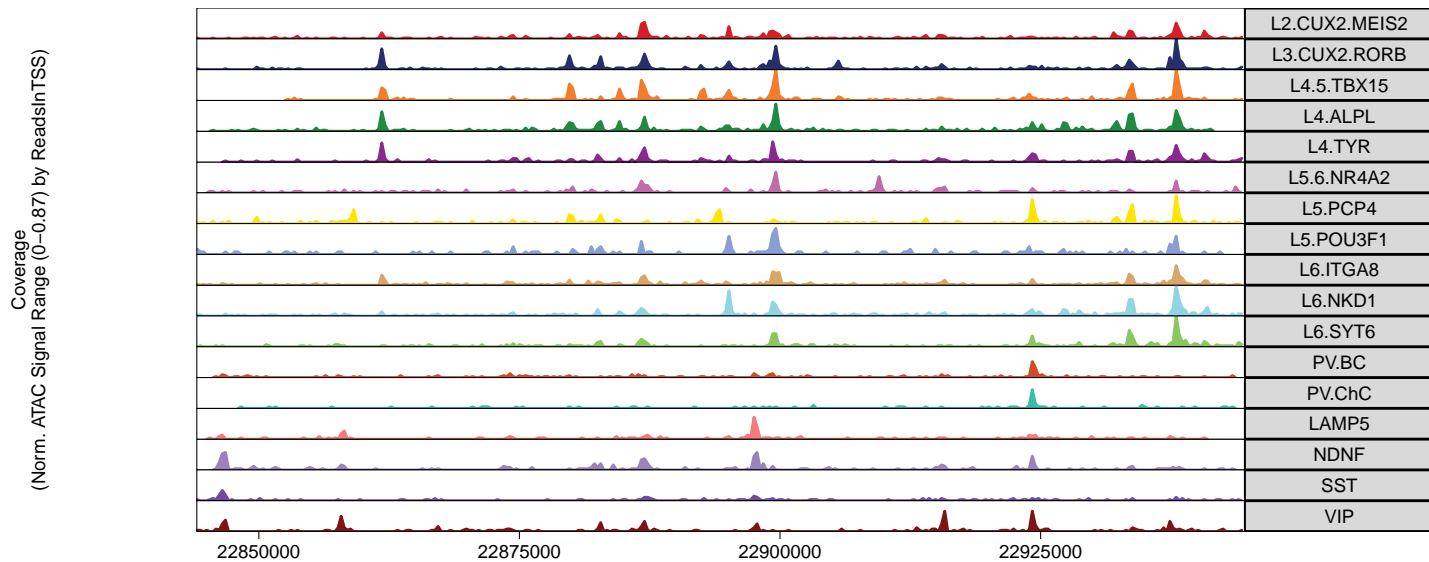
chr1:110893613–110994114 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15



## chr15:22844050–22944551 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

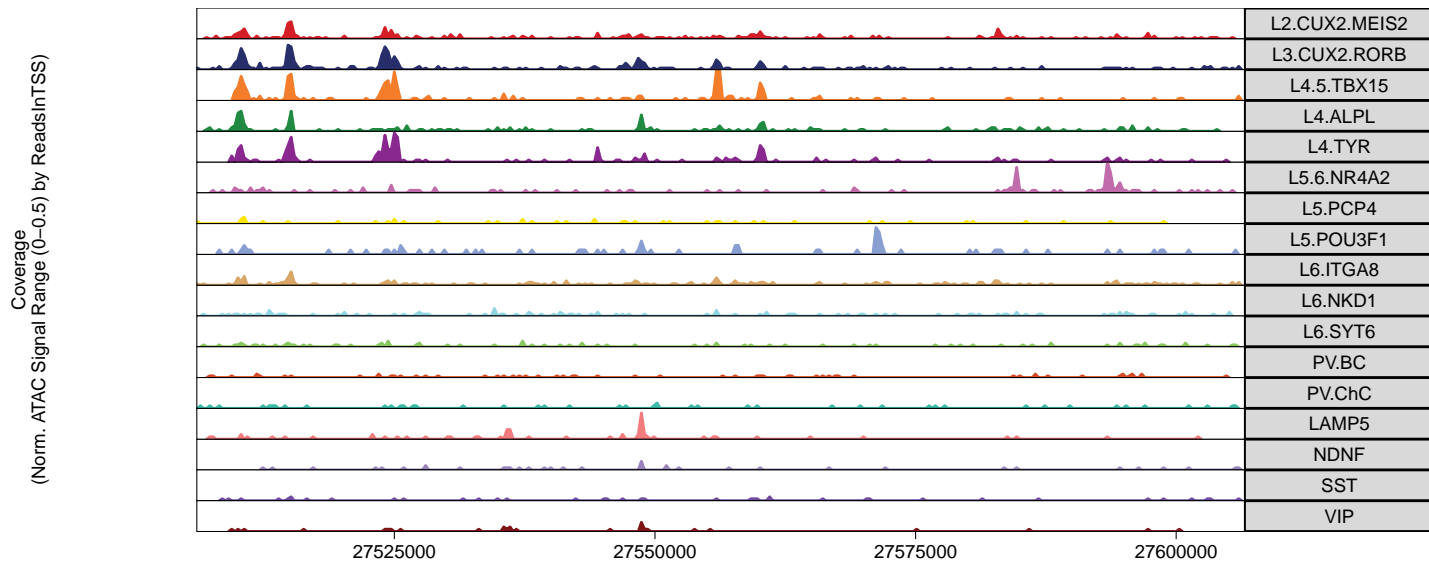


Peaks



Genes

## chr1:27506048–27606549 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

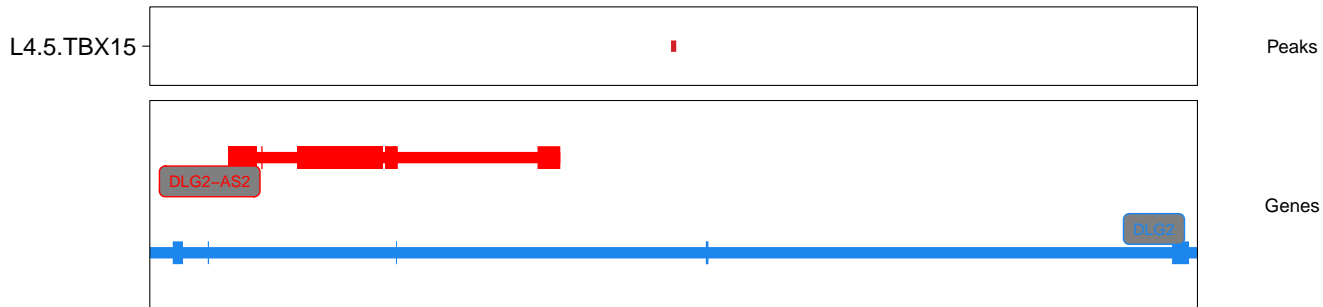


Peaks

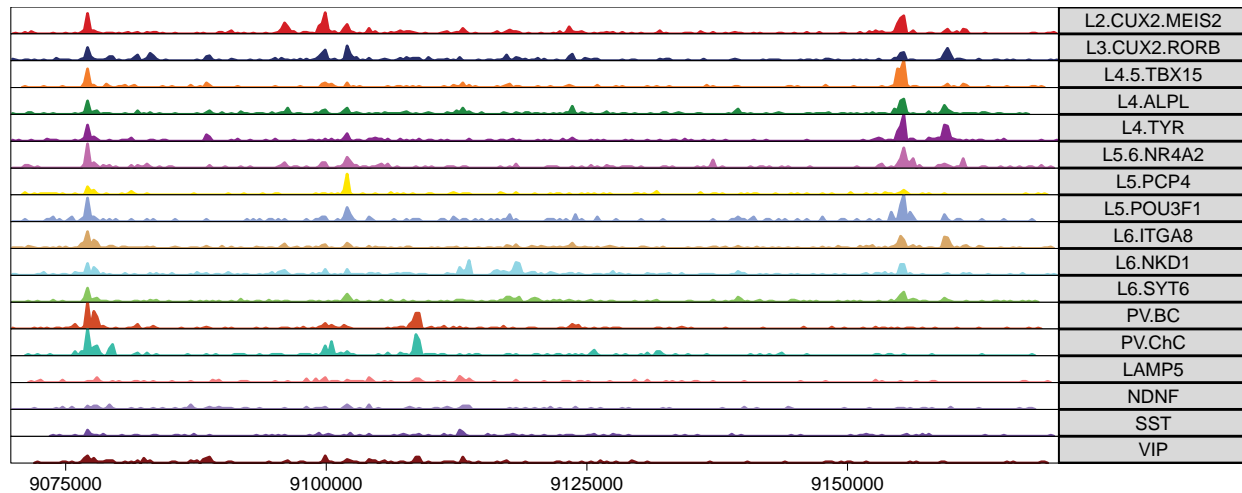


Genes

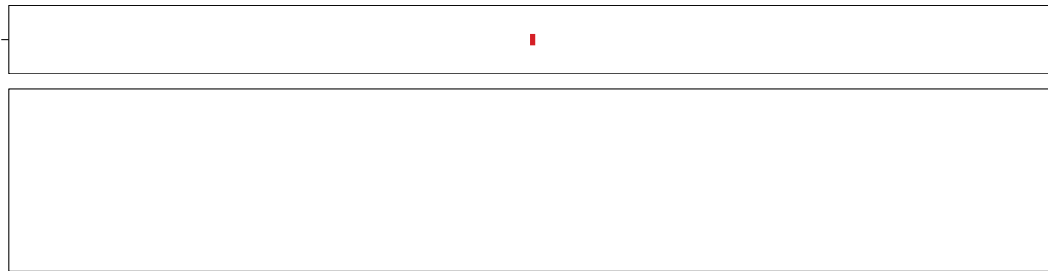
Figure 1 displays genomic tracks for 18 genes across a region from 7680000 to 76875000. The tracks are arranged vertically, with each gene's track represented by a unique color. The genes are: L2.CUX2.MEIS2 (red), L3.CUX2.RORB (dark blue), L4.5.TBX15 (orange), L4.ALPL (green), L4.TYR (purple), L5.6.NR4A2 (pink), L5.PCP4 (yellow), L5.POU3F1 (light blue), L6.ITGA8 (brown), L6.NKD1 (cyan), L6.SYT6 (light green), PV.BC (dark red), PV.ChC (teal), LAMP5 (light red), NDNF (dark purple), SST (medium purple), and VIP (dark red). The tracks show peaks of varying heights and colors, indicating the presence of specific genomic features or variants for each gene in this region.



## chr17:9069736-9170237 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0-0.83) by ReadsInTSS)

L4.5.TBX15

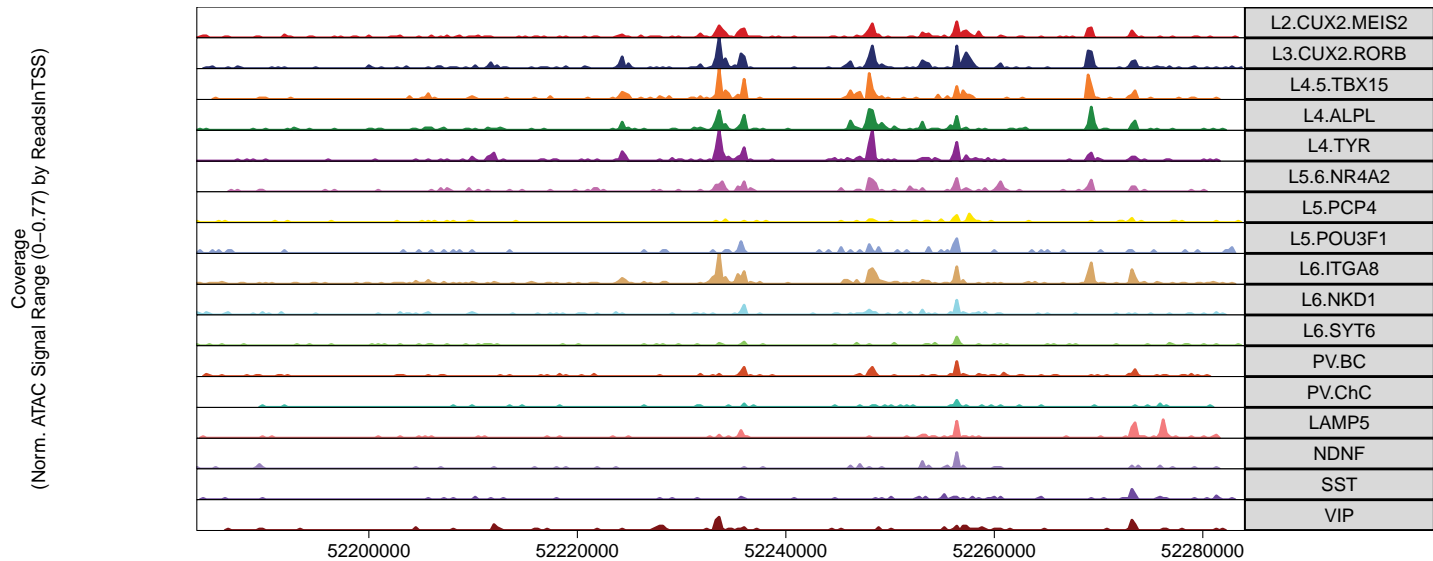


Peaks

strand ● ·



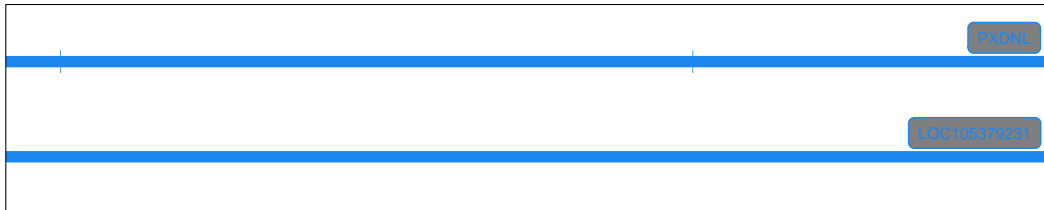
## chr8:52183493–52283994 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

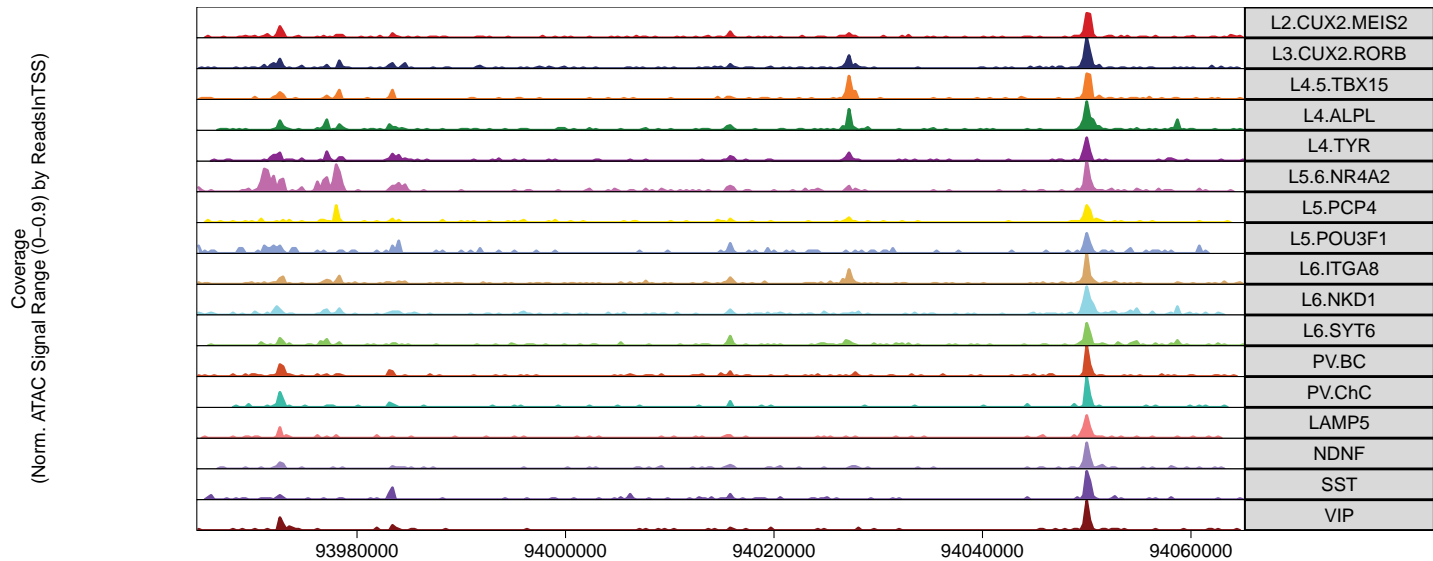


Peaks



Genes

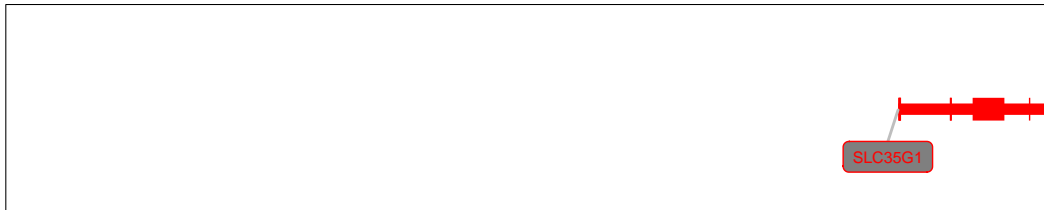
chr9:93964629–94065130 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

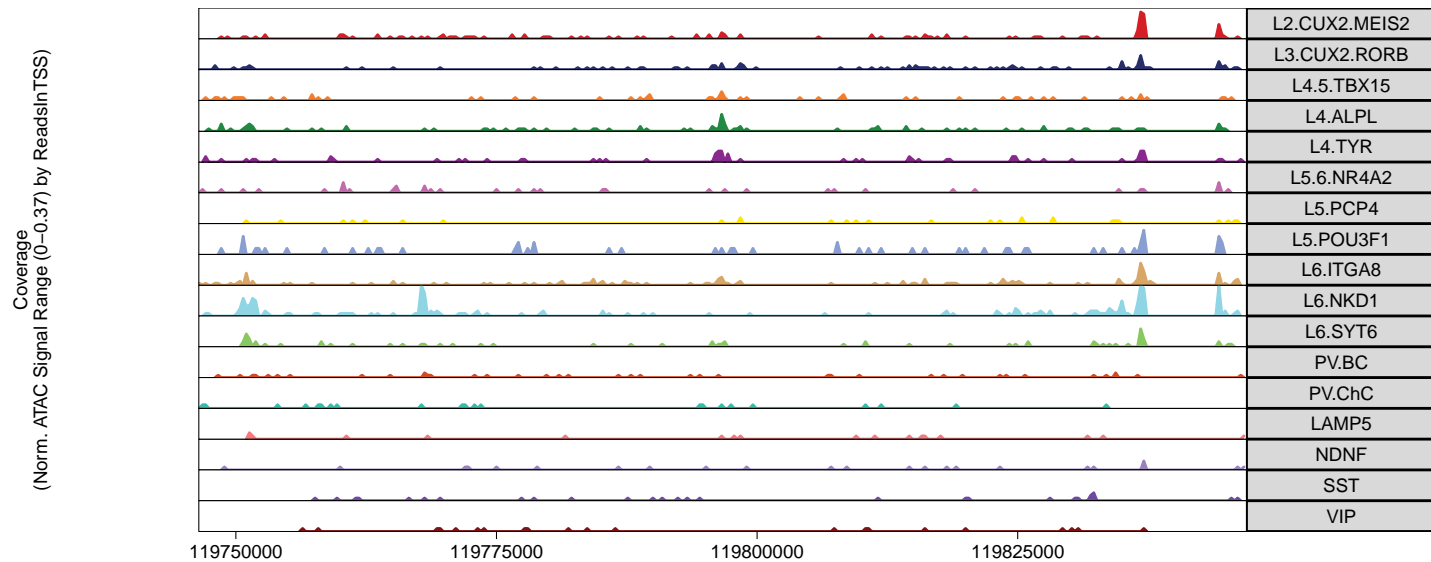


Peaks



Genes

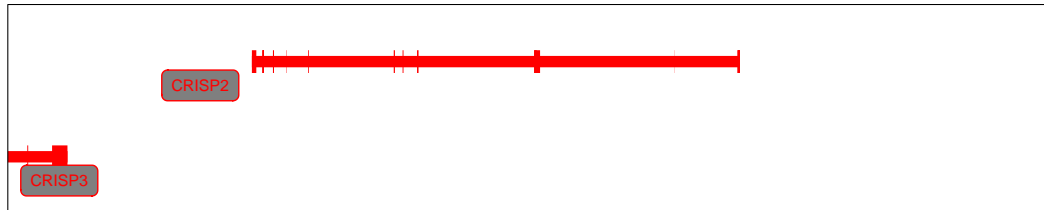
## chr4:119746443–119846944 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

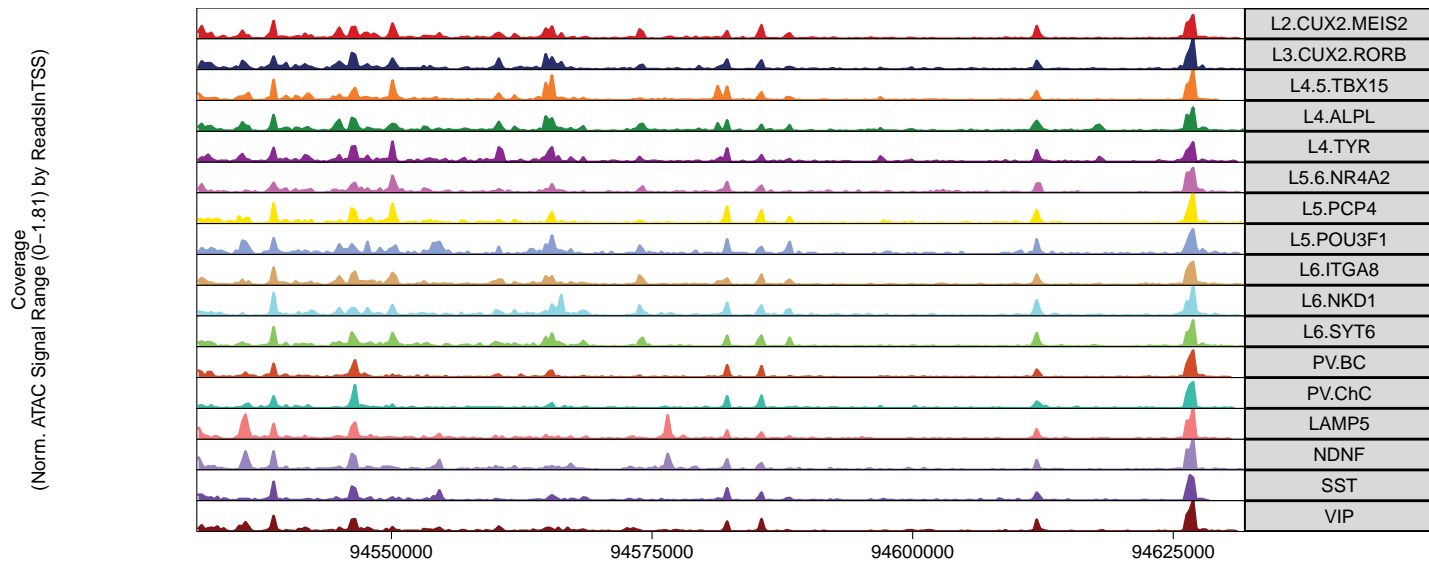


Peaks



Genes

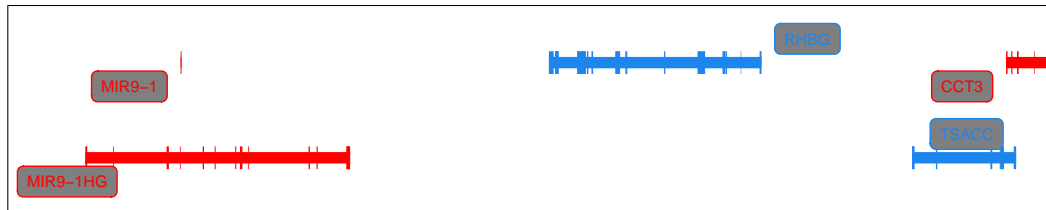
## chr1:94531326–94631827 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

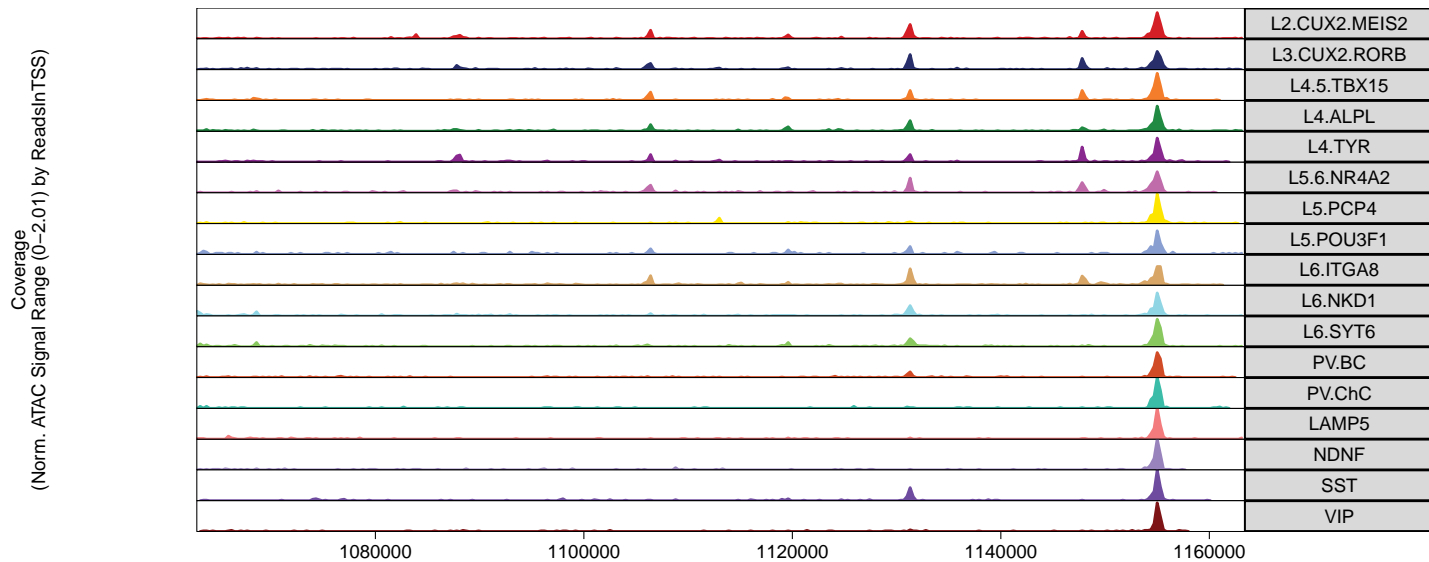


Peaks



Genes

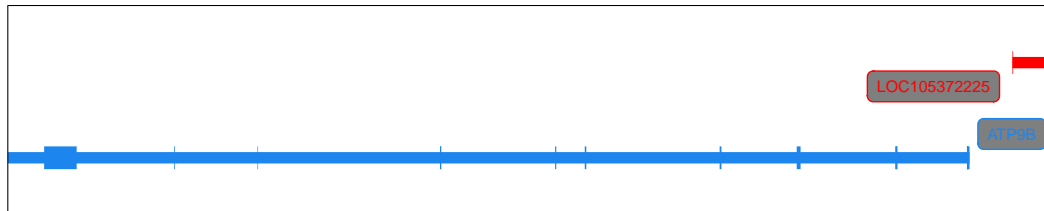
## chr18:1062868–1163369 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

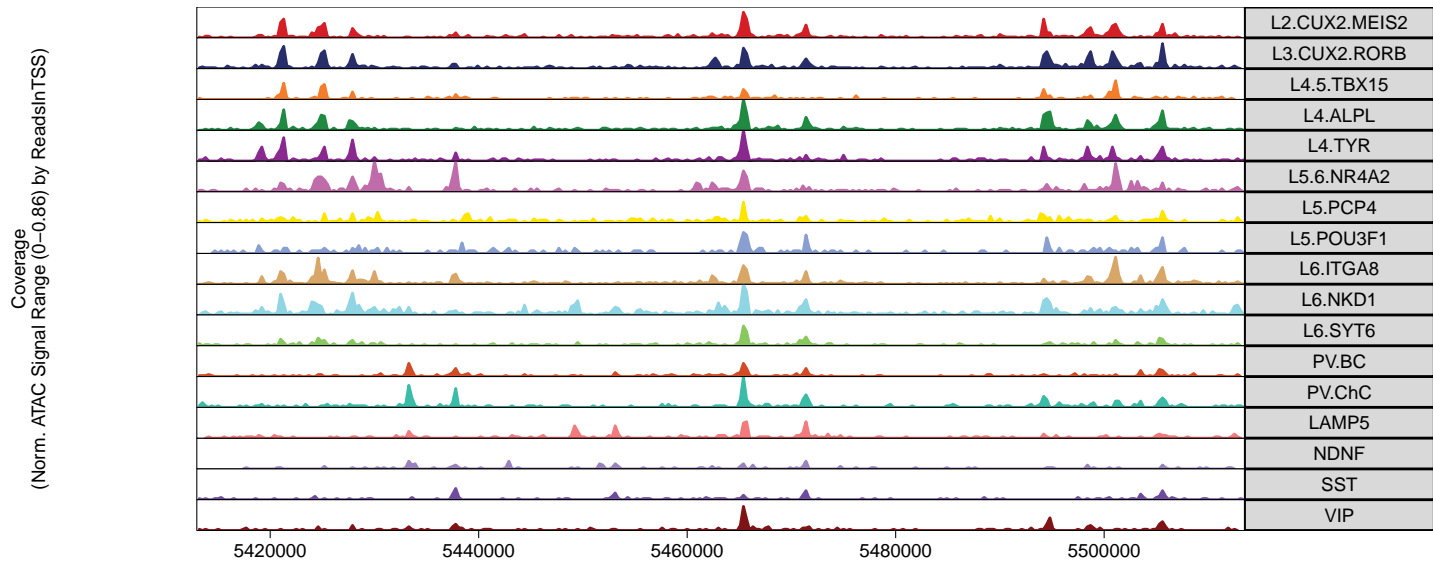


Peaks



Genes

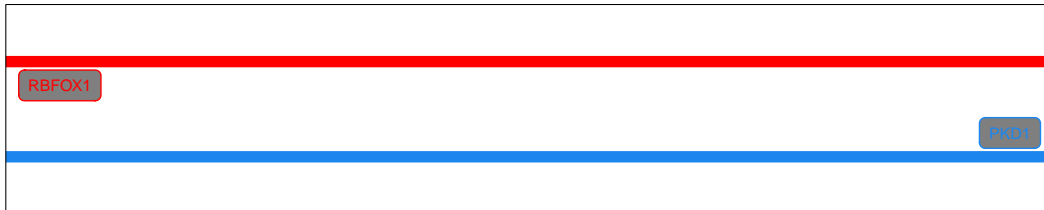
## chr20:5412959–5513460 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

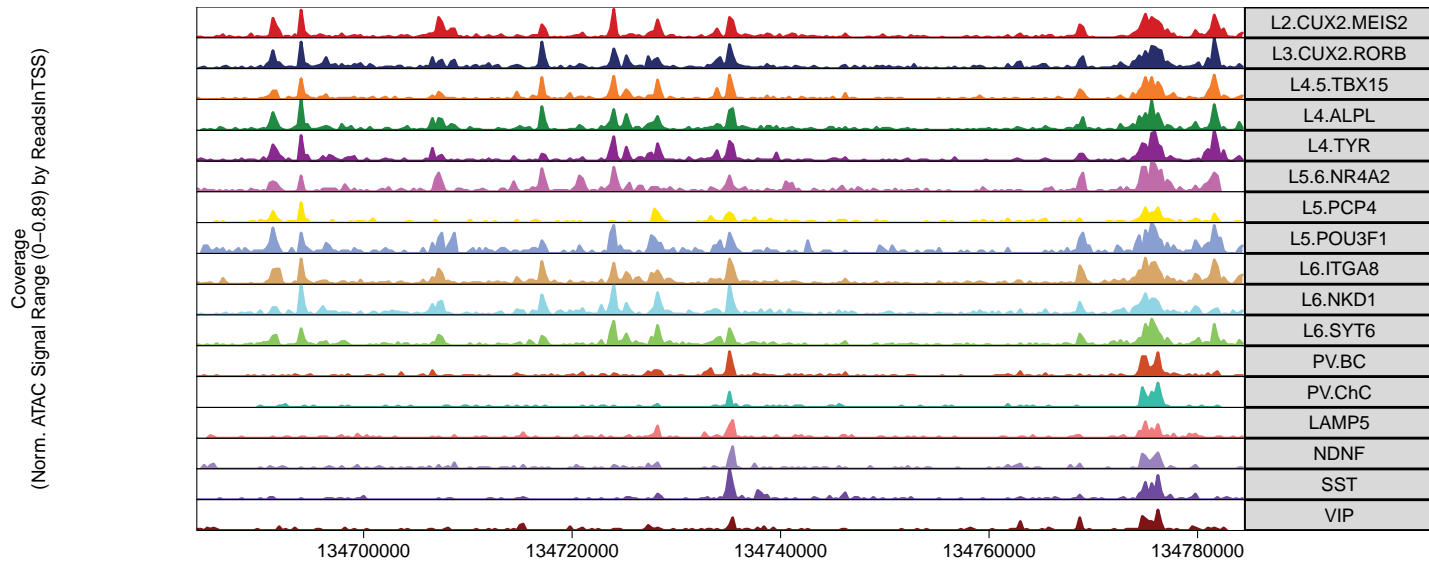


Peaks



Genes

## chr3:134683996–134784497 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

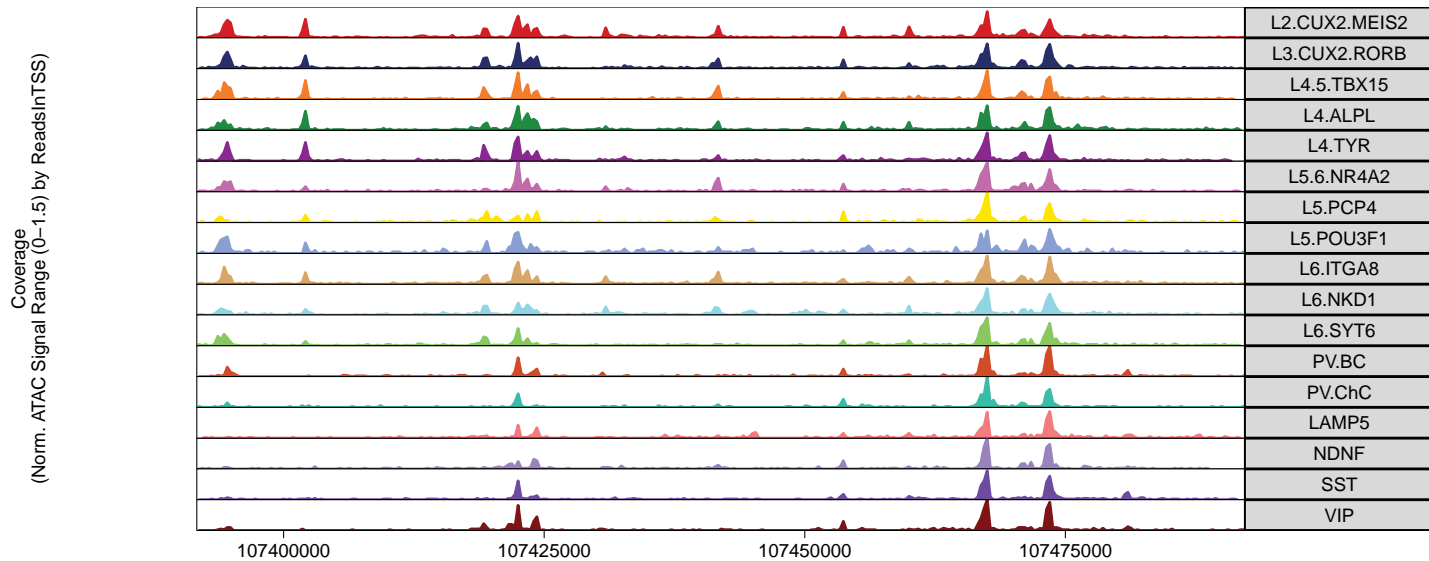


Peaks



Genes

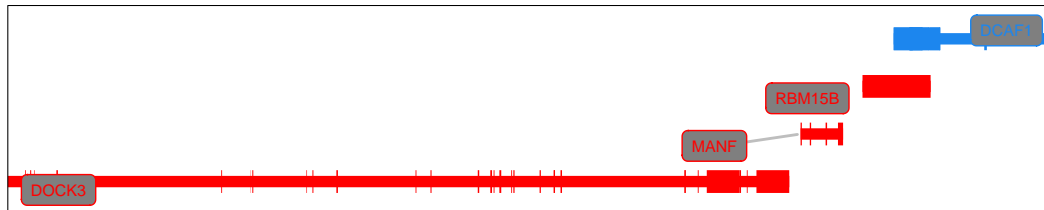
chr2:107391676–107492177 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15



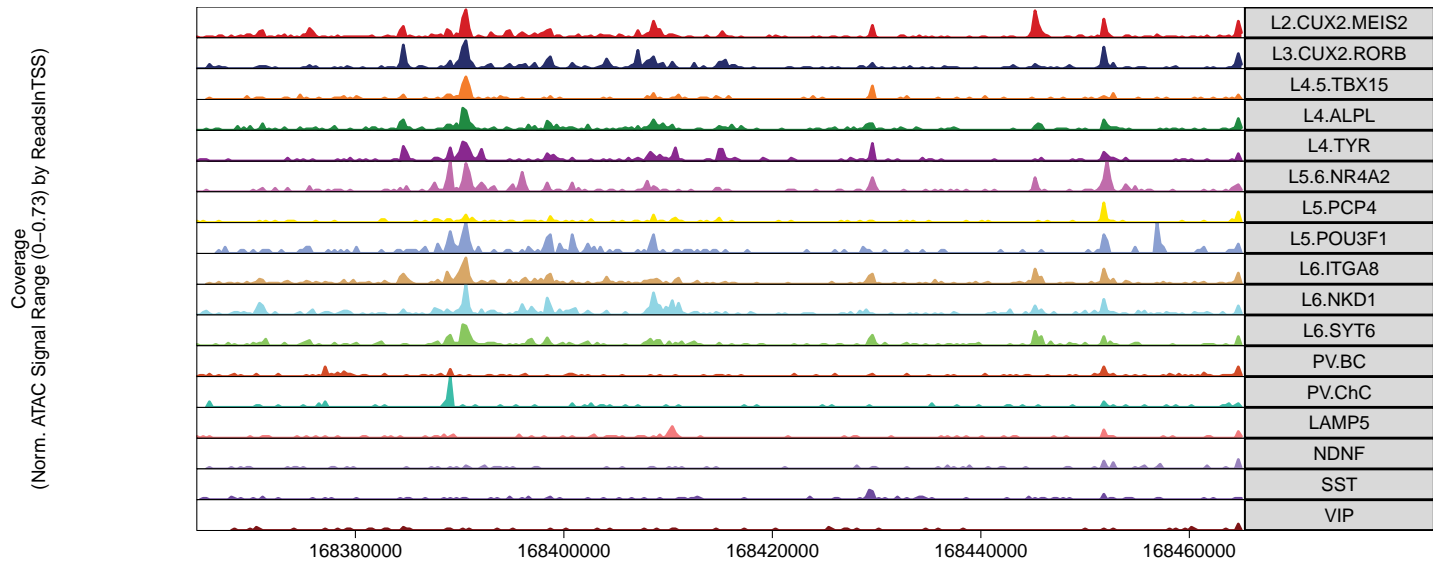
Peaks



Genes



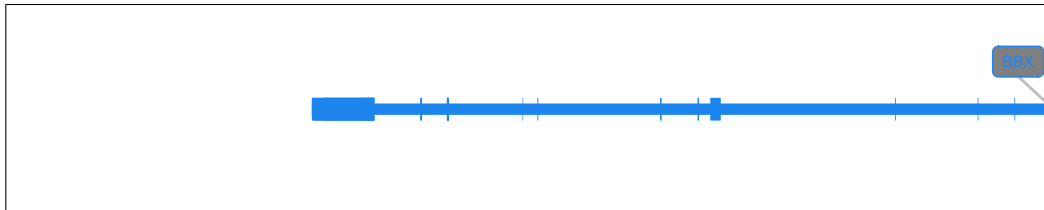
## chr2:168364786–168465287 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

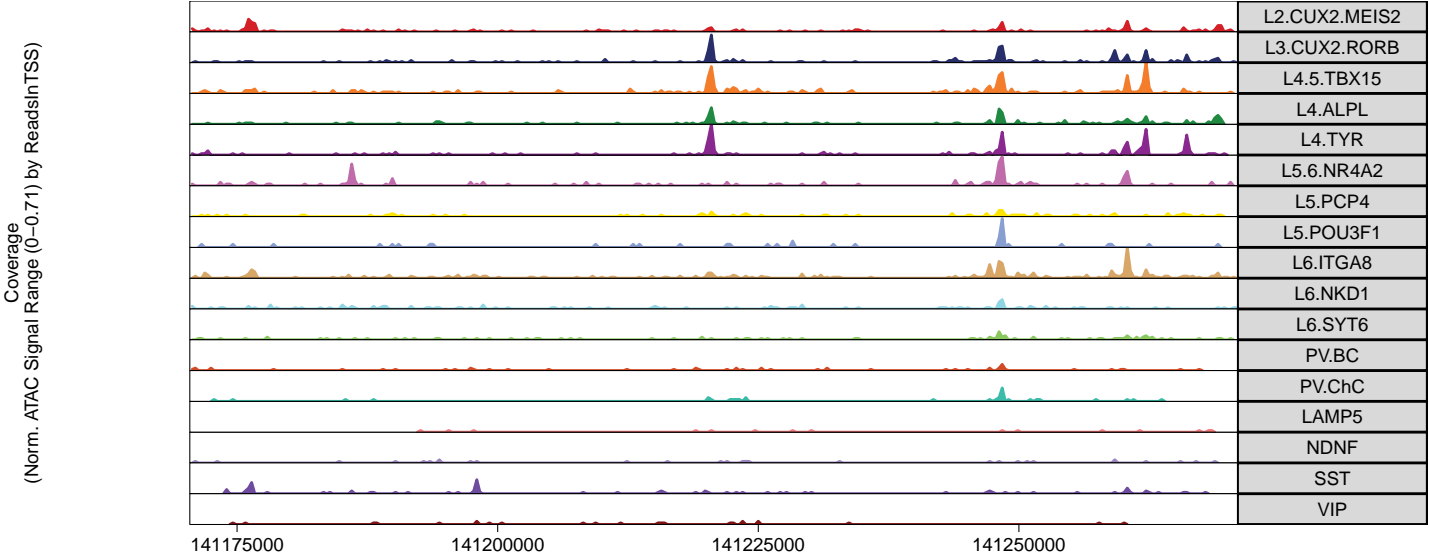


Peaks

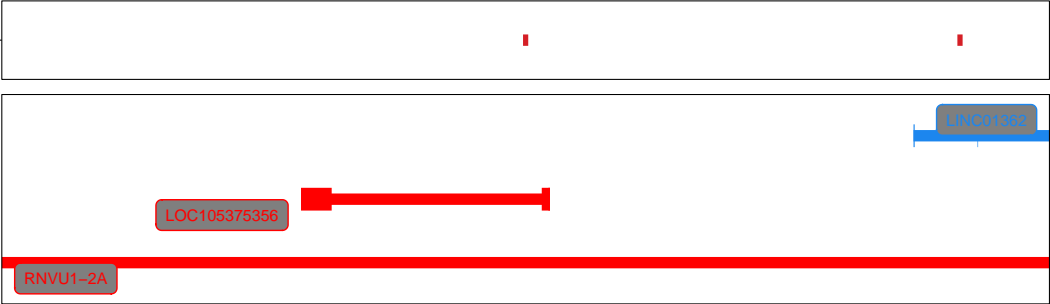


Genes

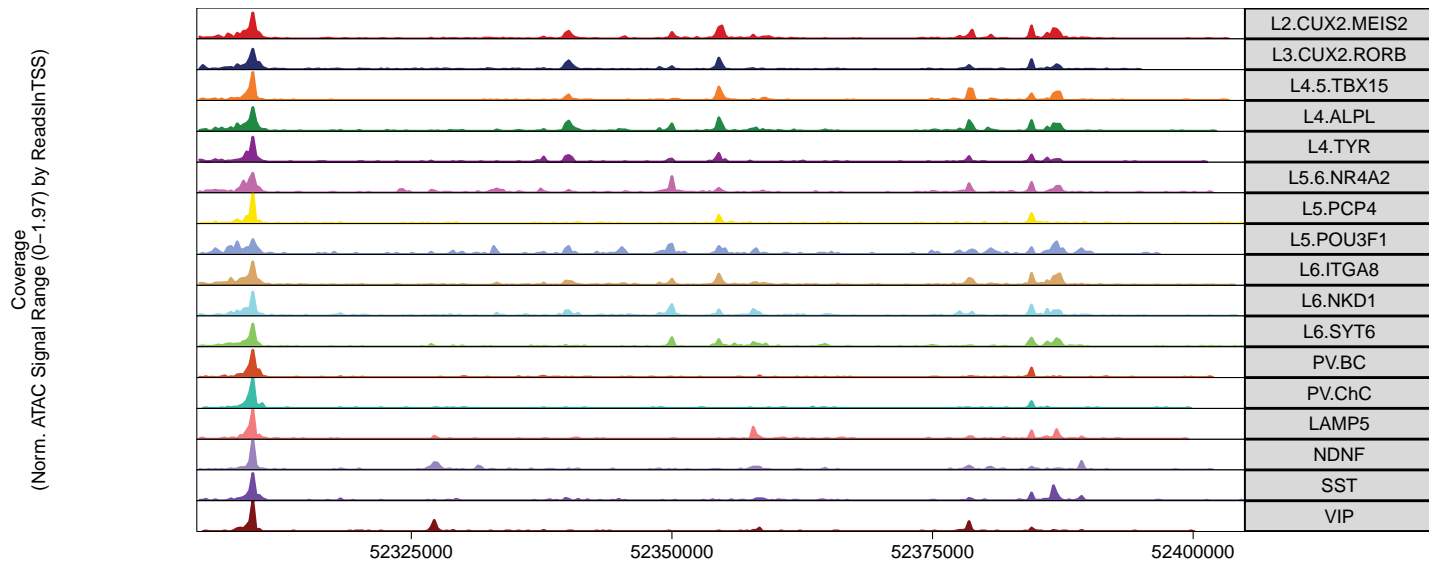
chr1:141170465–141270966 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15



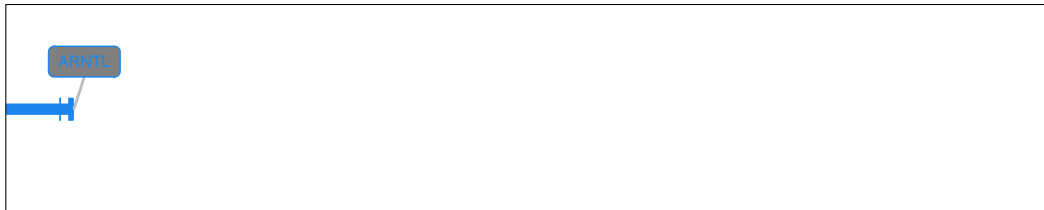
## chr14:52304421–52404922 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

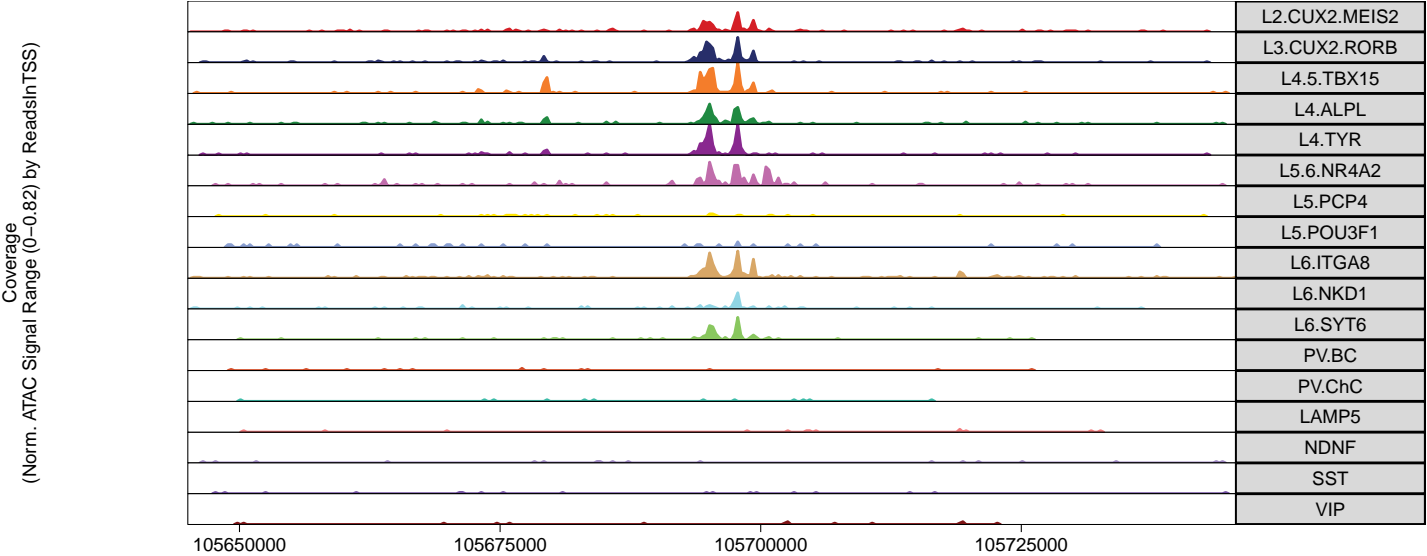


Peaks

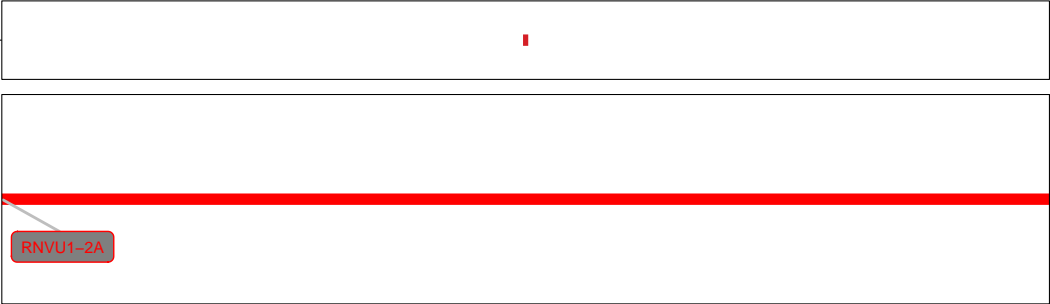


Genes

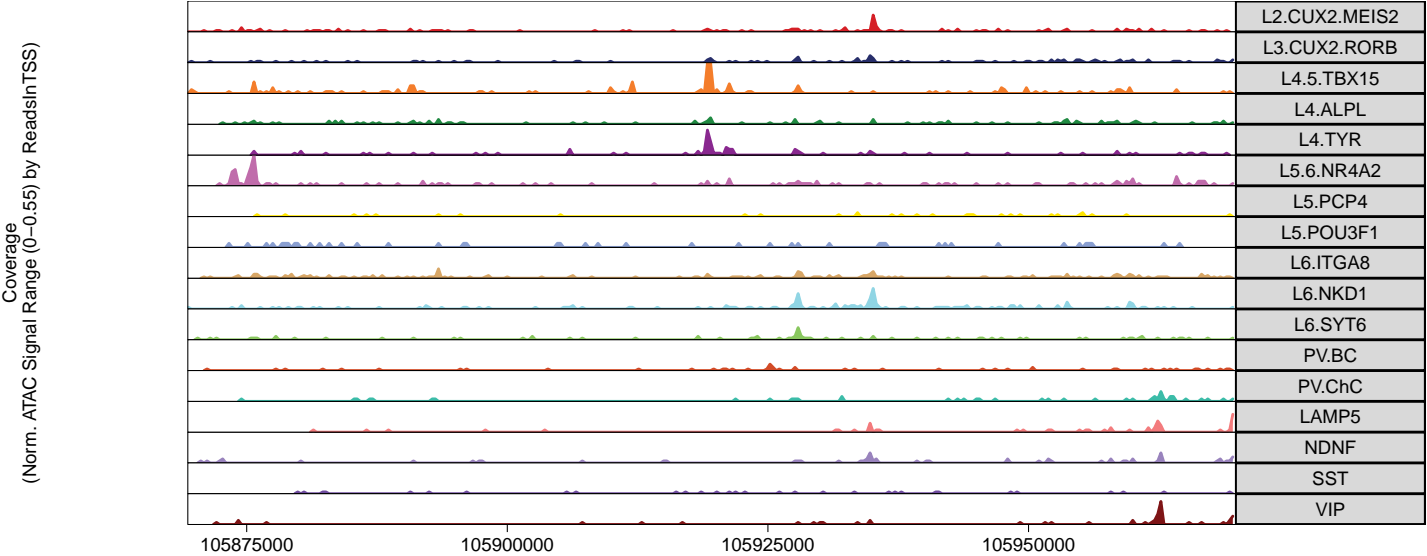
chr1:105645041–105745542 Marker Peak Tracks for: L4.5.TBX15



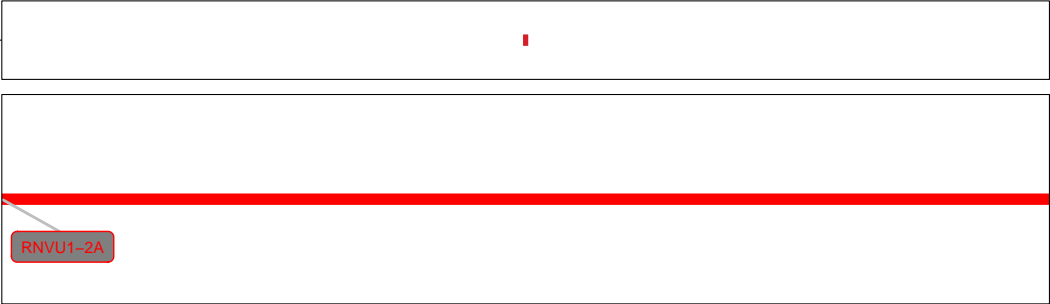
L4.5.TBX15



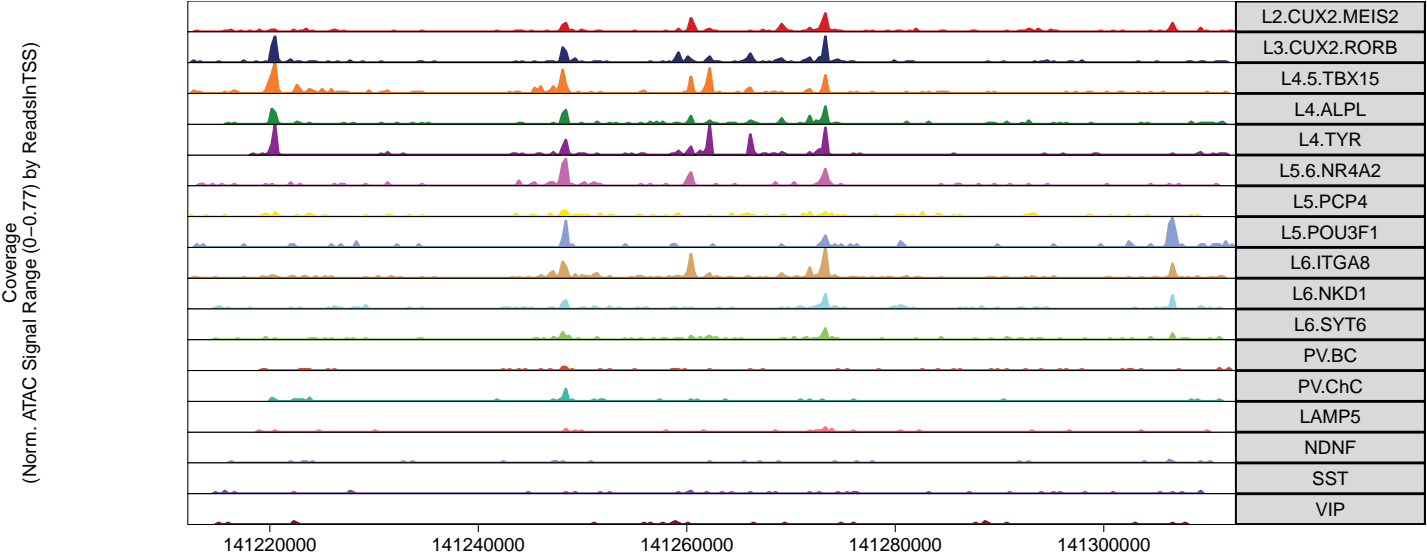
chr1:105869350–105969851 Marker Peak Tracks for: L4.5.TBX15



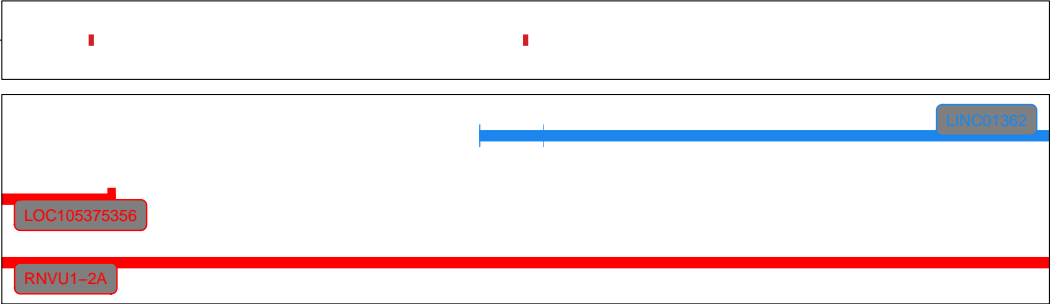
L4.5.TBX15



chr1:141212133–141312634 Marker Peak Tracks for: L4.5.TBX15

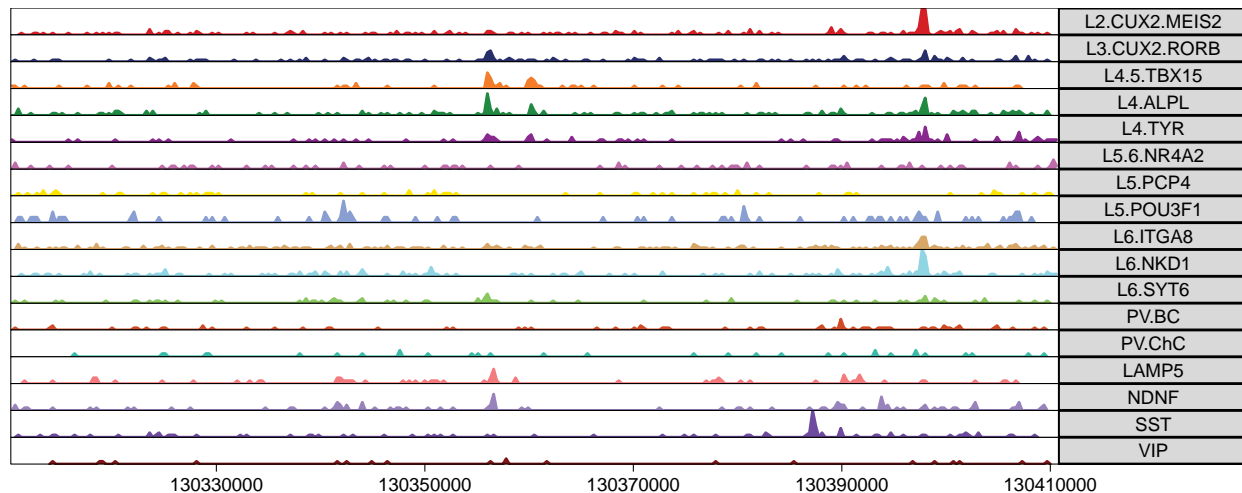


L4.5.TBX15

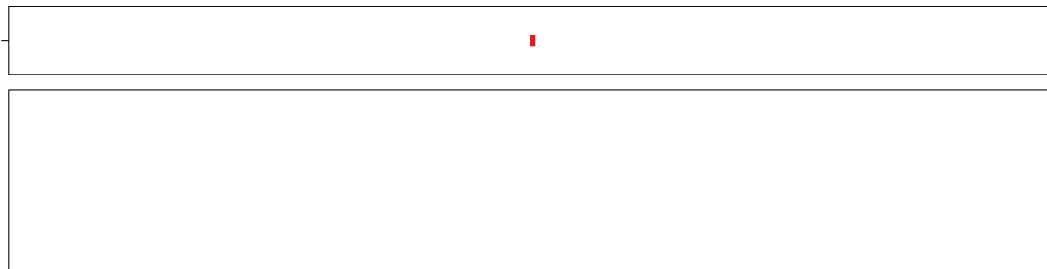


chr3:130310280–130410781 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–0.36) by ReadsInTSS)



L4.5.TBX15

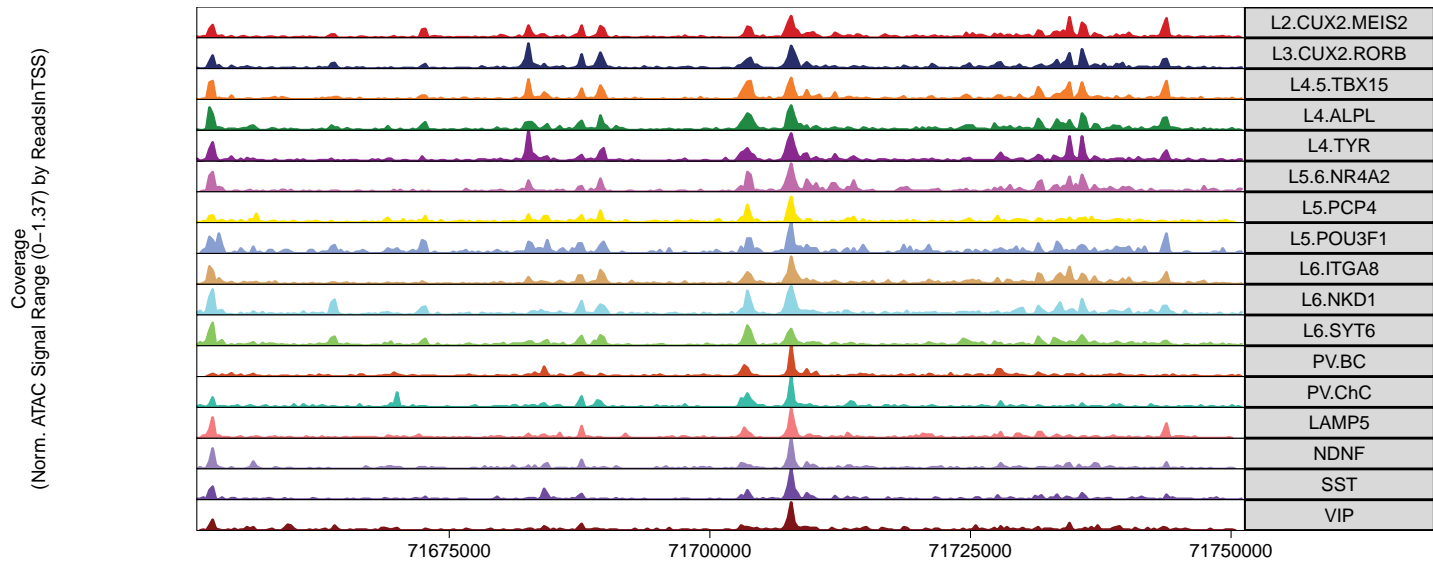


Peaks

GeneTrack

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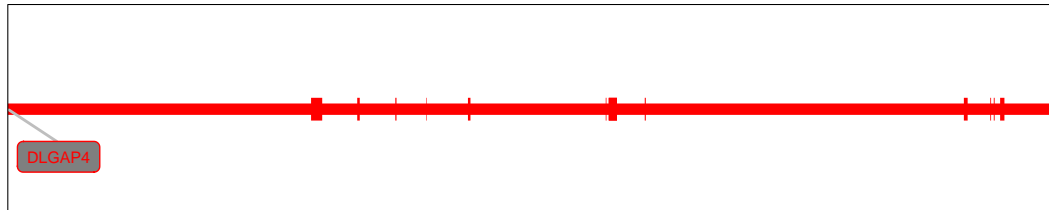
## chr10:71650781–71751282 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15



Peaks

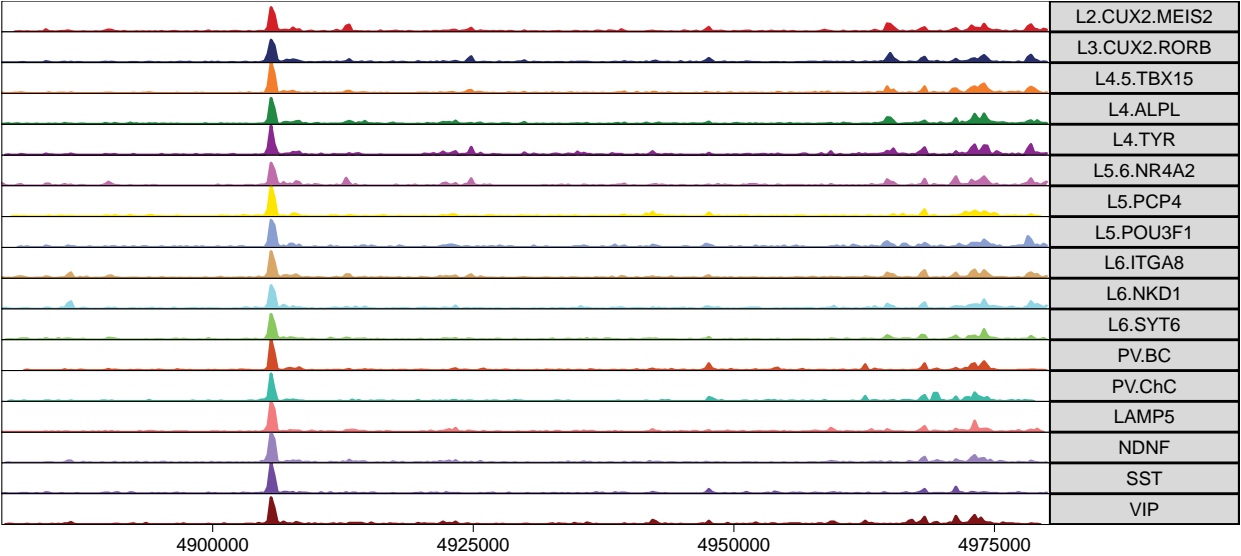


Genes

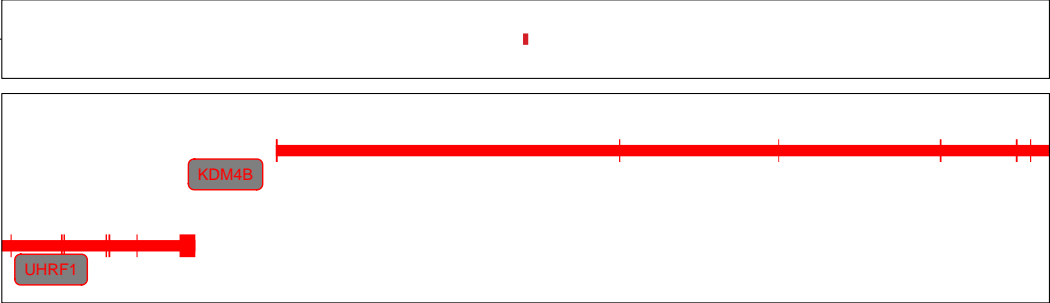


chr19:4879772-4980273 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0-2.65) by ReadsInTSS)



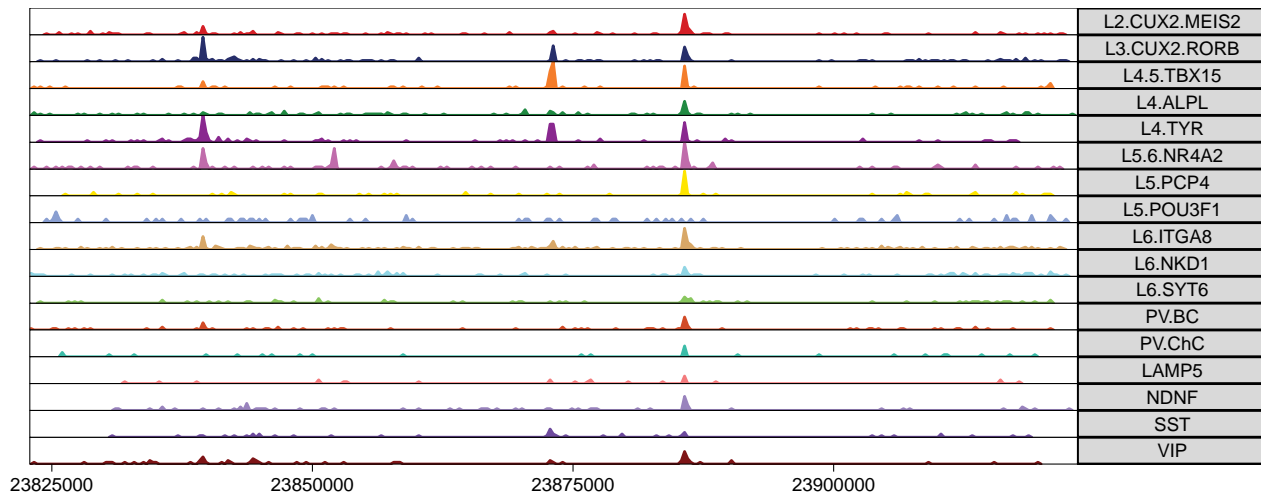
L4.5.TBX15



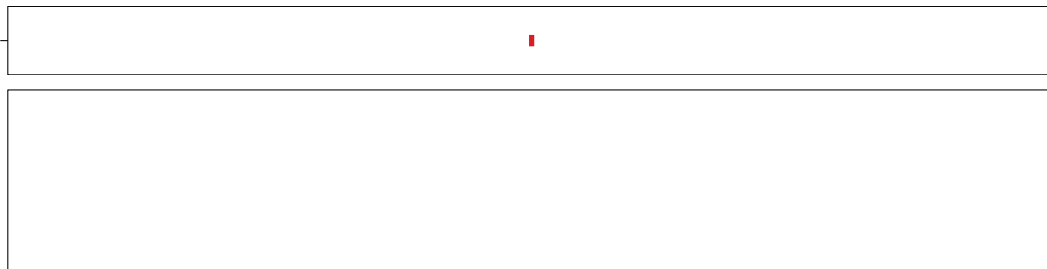
Peaks

Genes

## chr1:23822887–23923388 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–0.54) by ReadsInTSS)

L4.5.TBX15

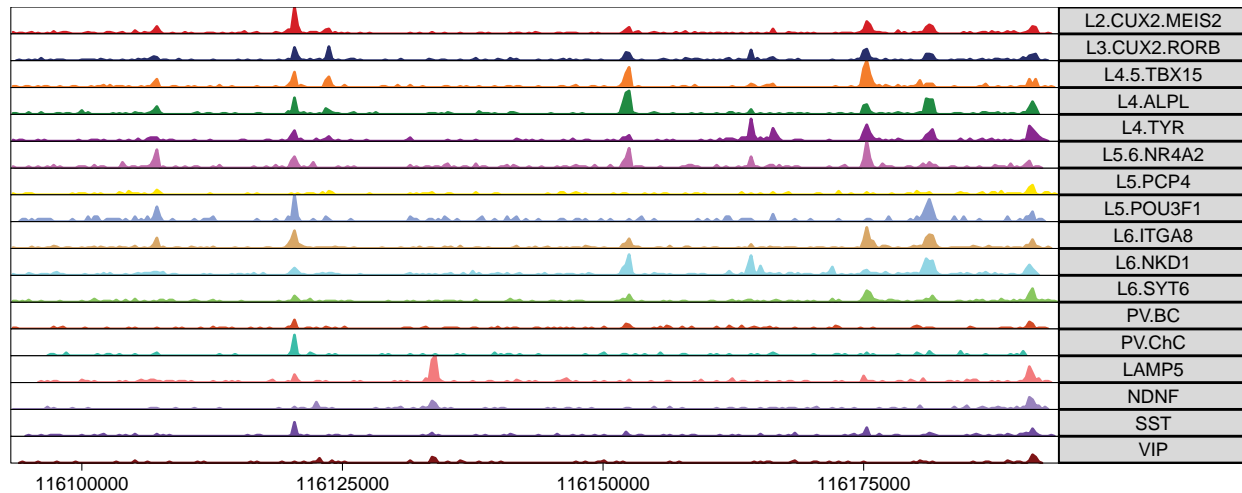


Peaks

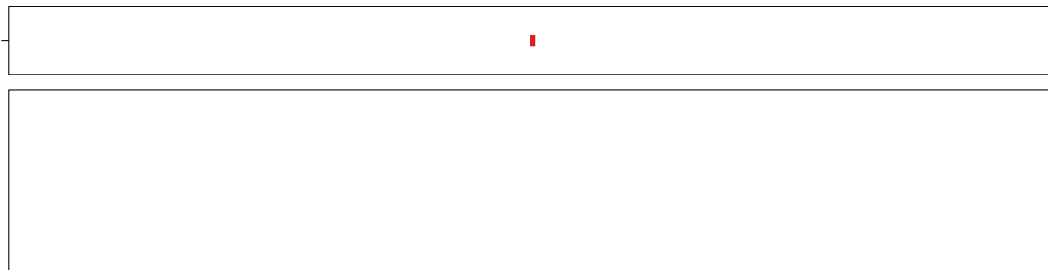
GeneTrack

strand ● ·

## chr11:116093185–116193686 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–0.79) by ReadsInTSS)

L4.5.TBX15

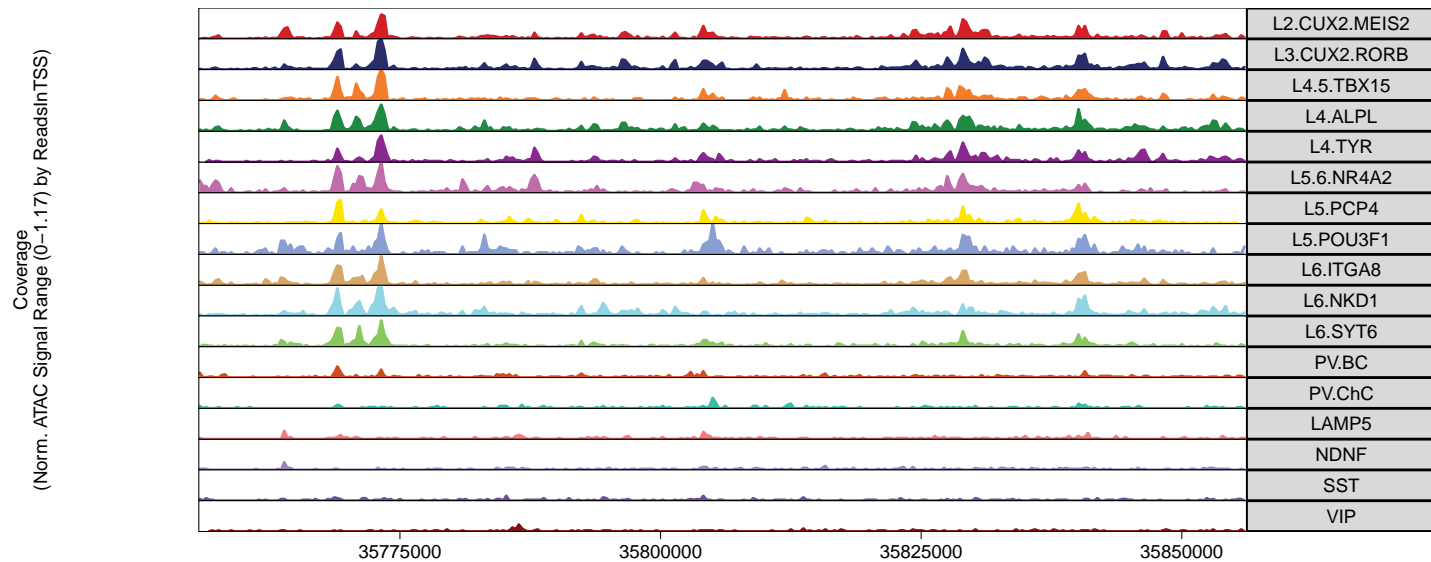


Peaks

GeneTrack

strand ● ·

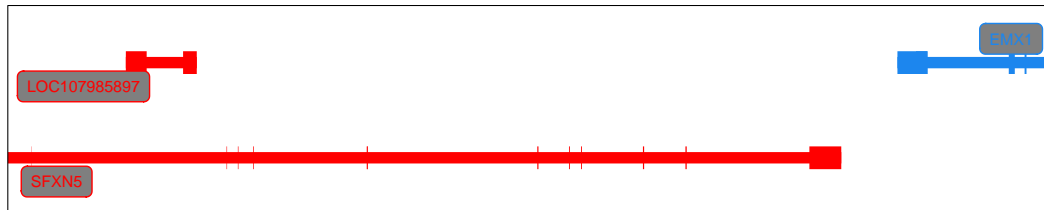
## chr13:35755702–35856203 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

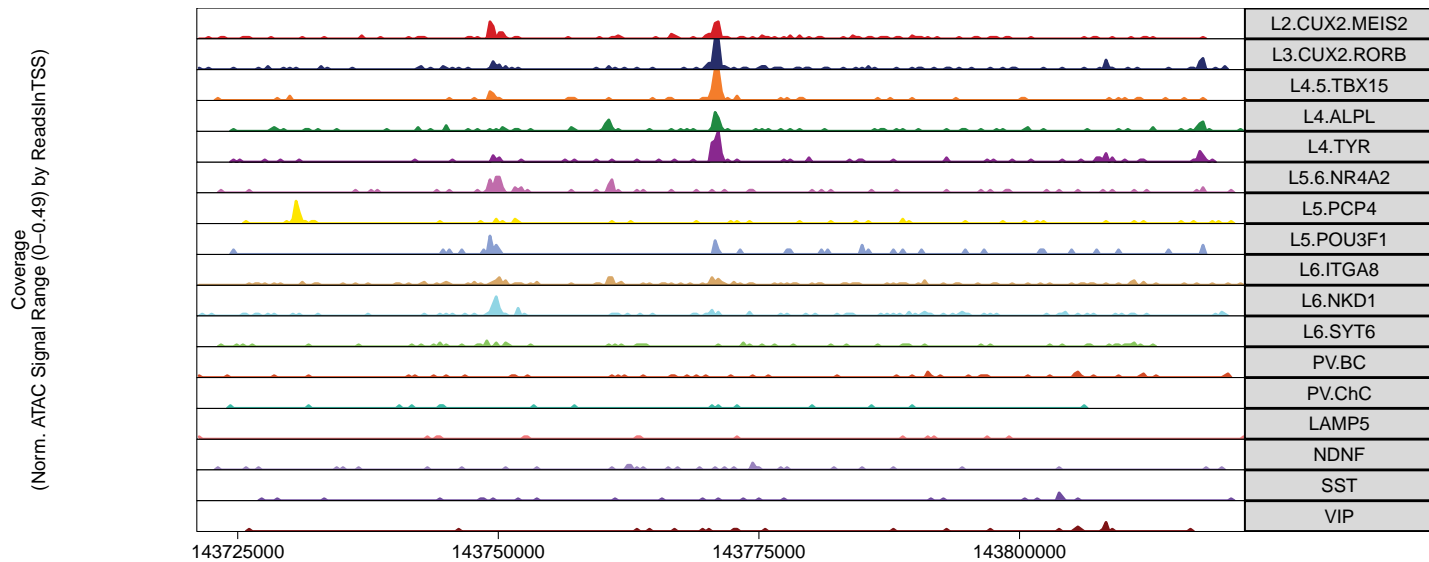


Peaks



Genes

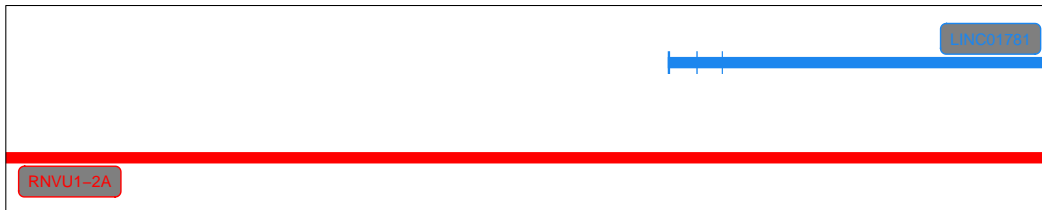
## chr1:143721076–143821577 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15



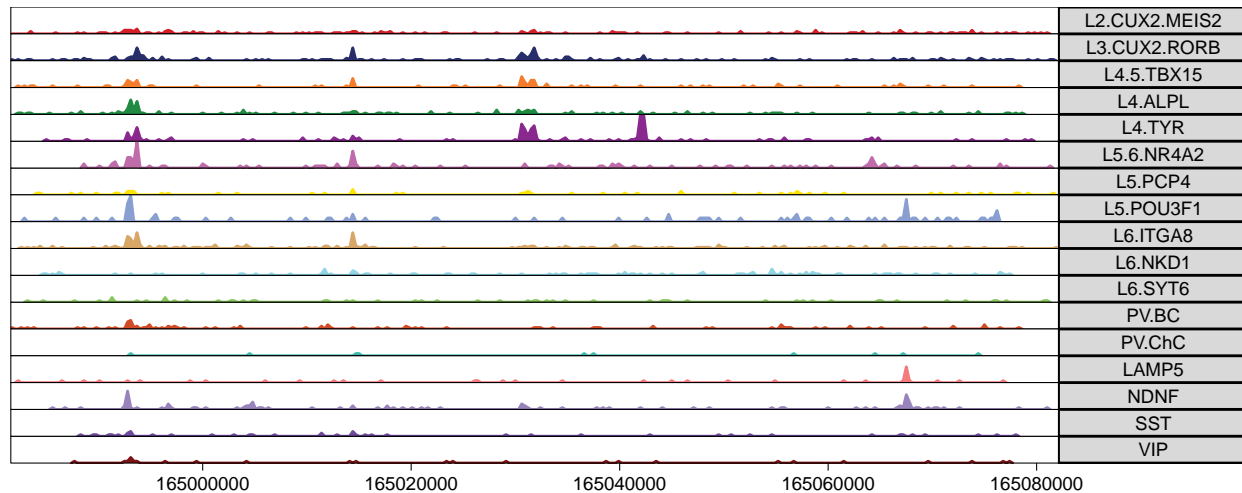
Peaks



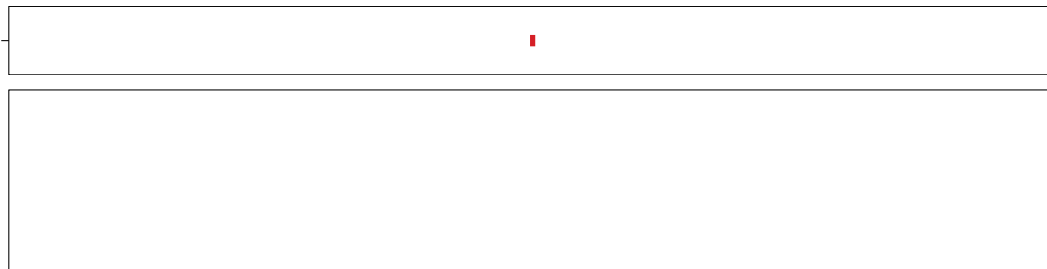
Genes

chr5:164981593–165082094 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–0.53) by ReadsInTSS)



L4.5.TBX15

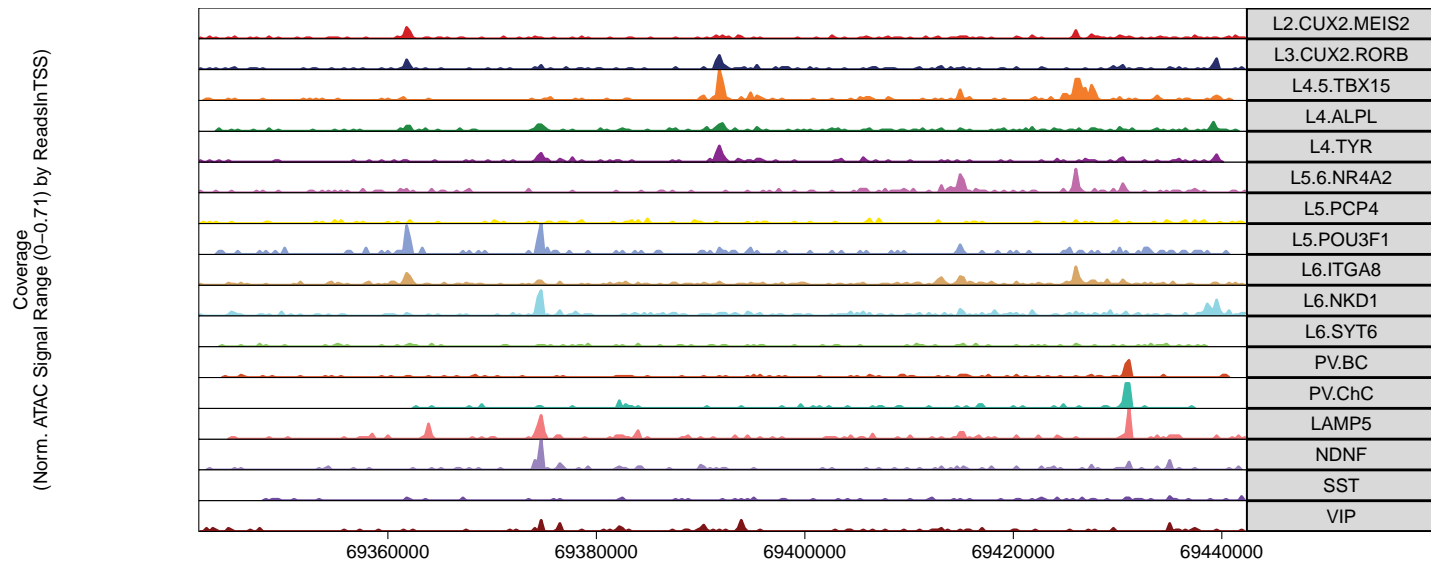


Peaks

GeneTrack

strand ● ·

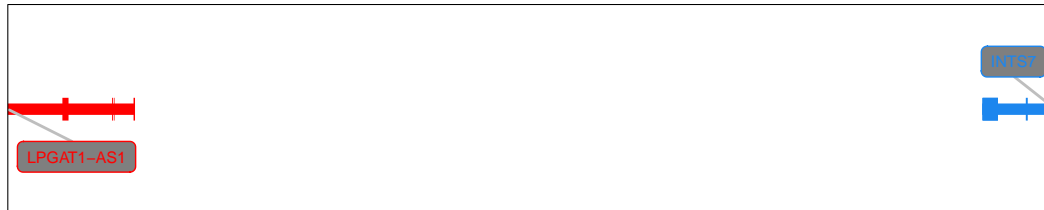
## chr1:69341861–69442362 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

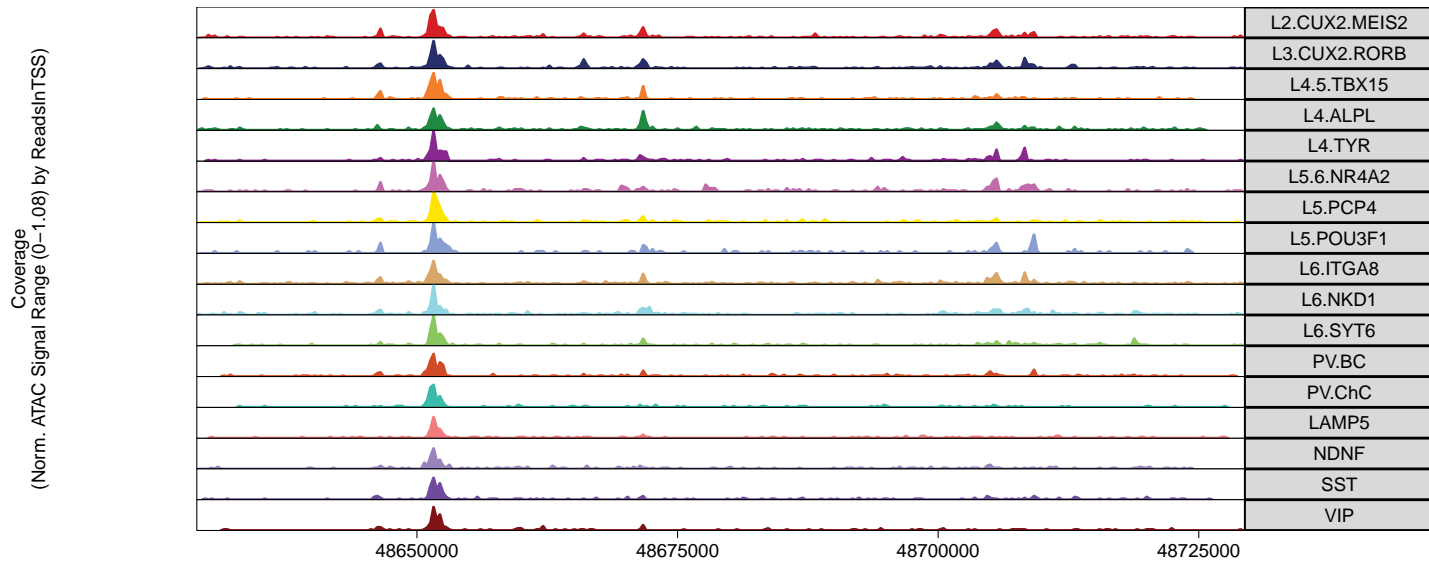


Peaks



Genes

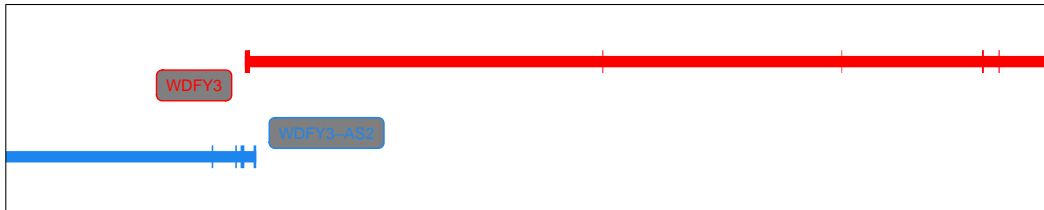
## chr5:48628882–48729383 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15



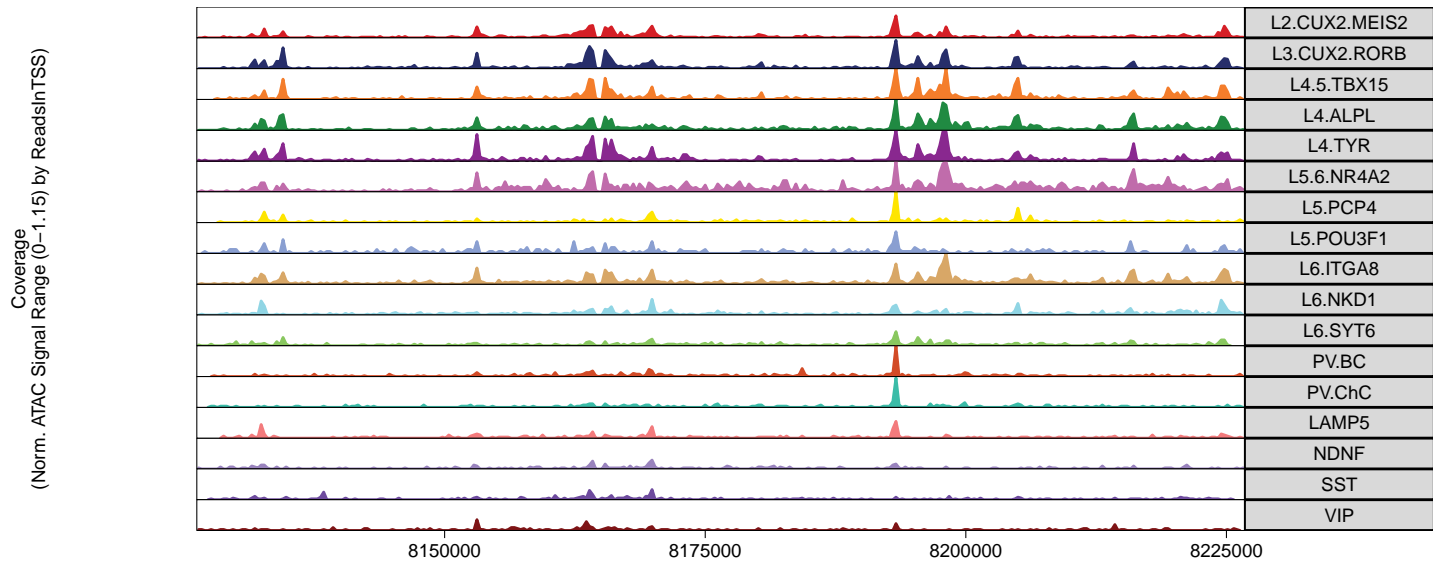
Peaks



Genes



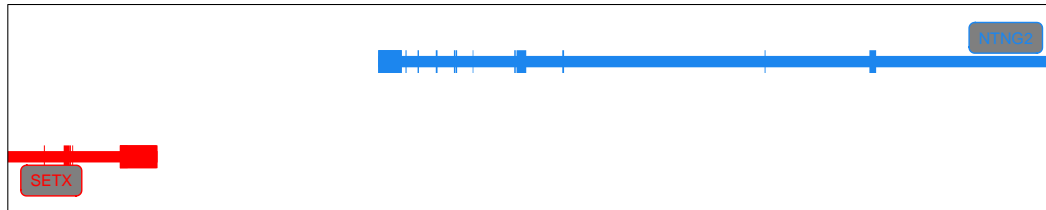
chr15:8126227–8226728 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

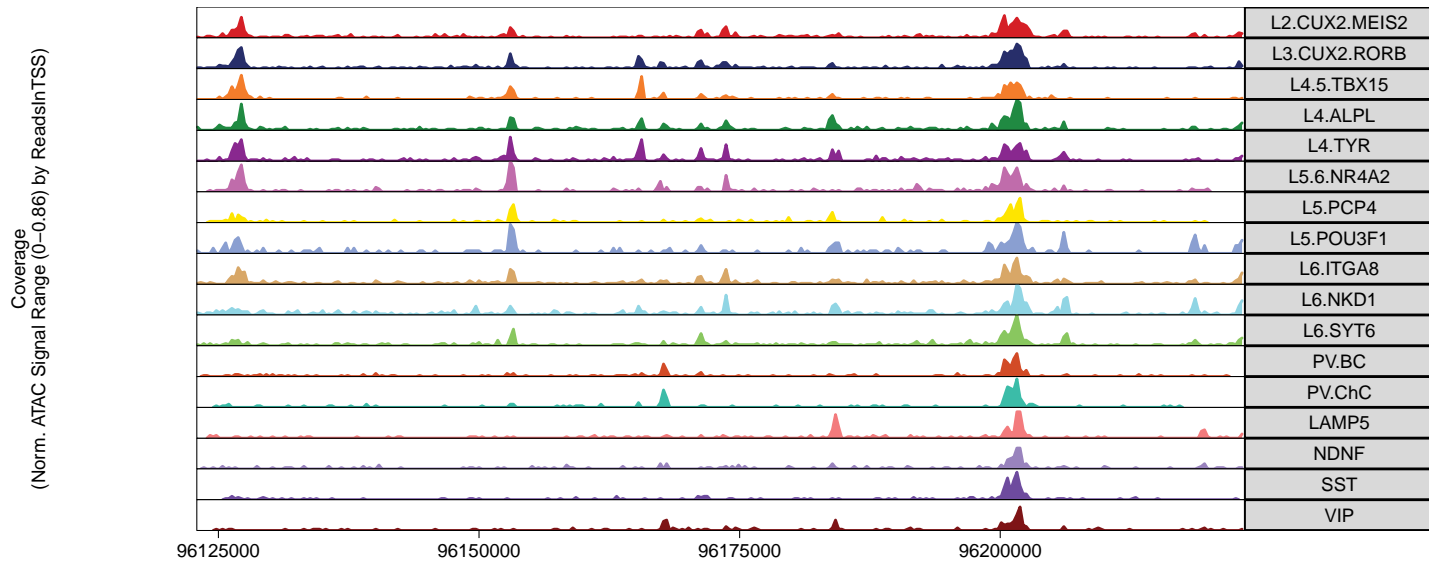


Peaks



Genes

## chr11:96122927-96223428 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

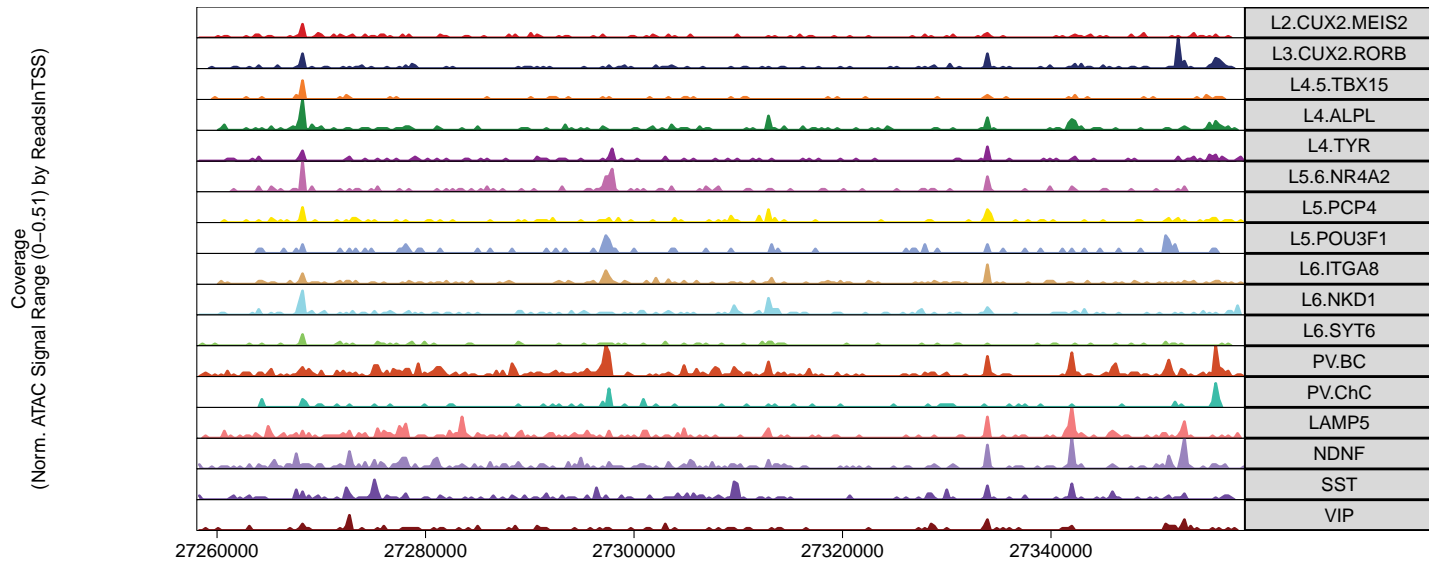


Peaks



Genes

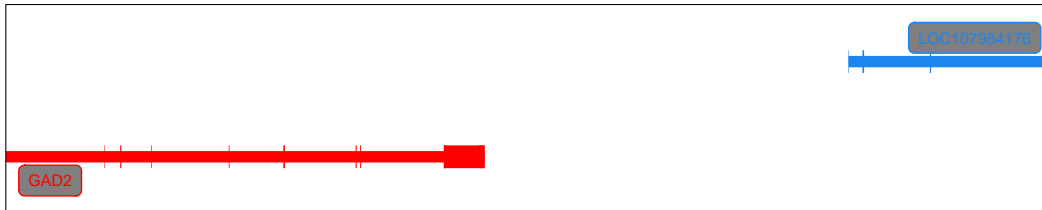
## chr9:27258057–27358558 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

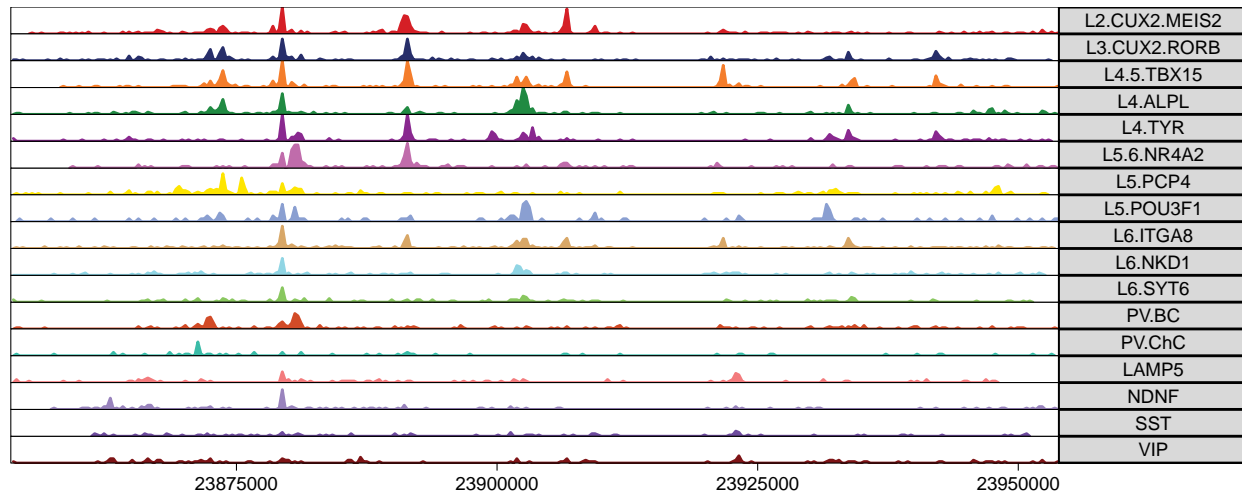


Peaks

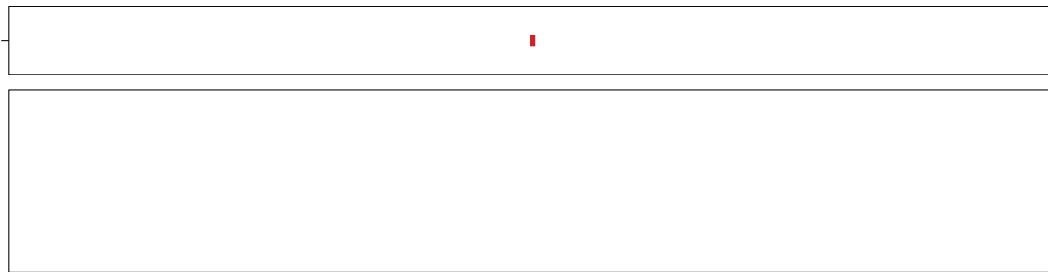


Genes

## chr18:23853353–23953854 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–0.68) by ReadsInTSS)

L4.5.TBX15

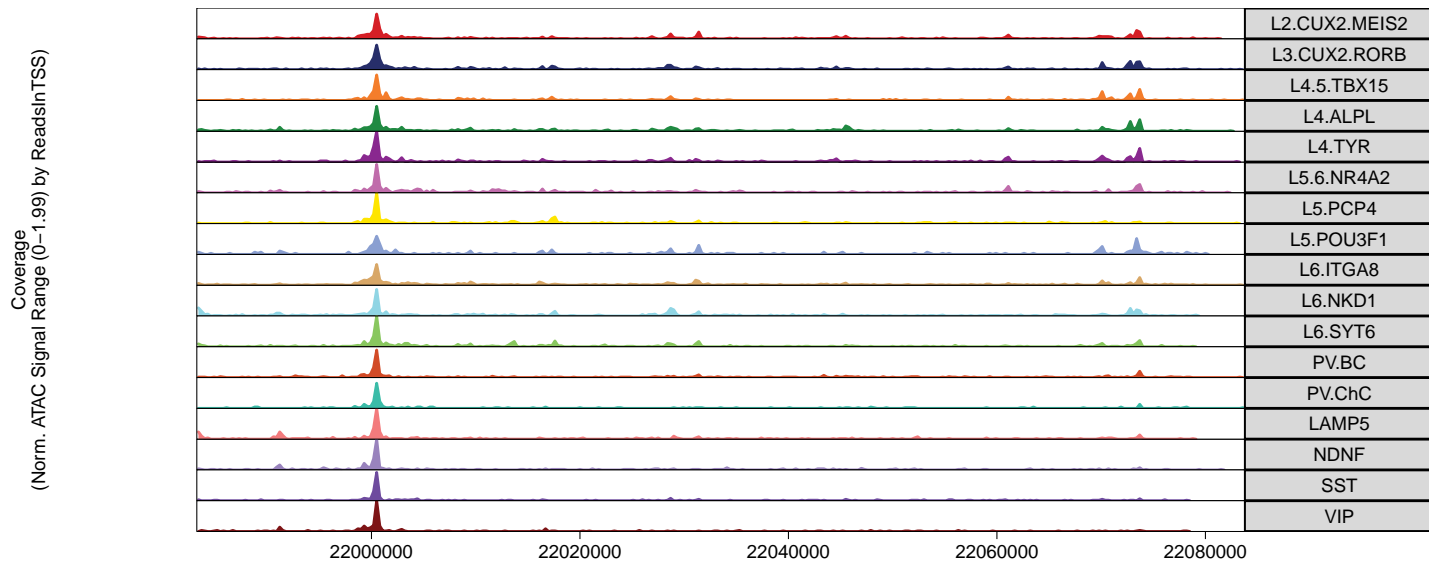


Peaks

GeneTrack

strand ● ·

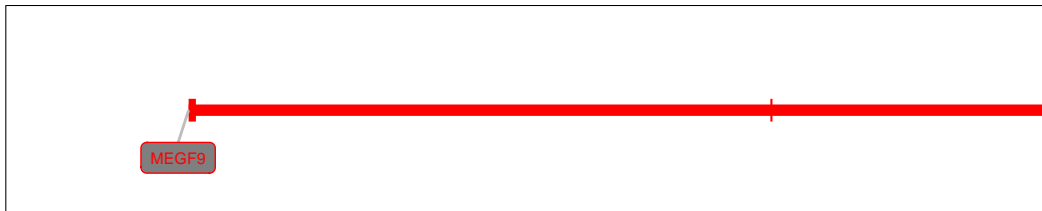
## chr15:21983244–22083745 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15



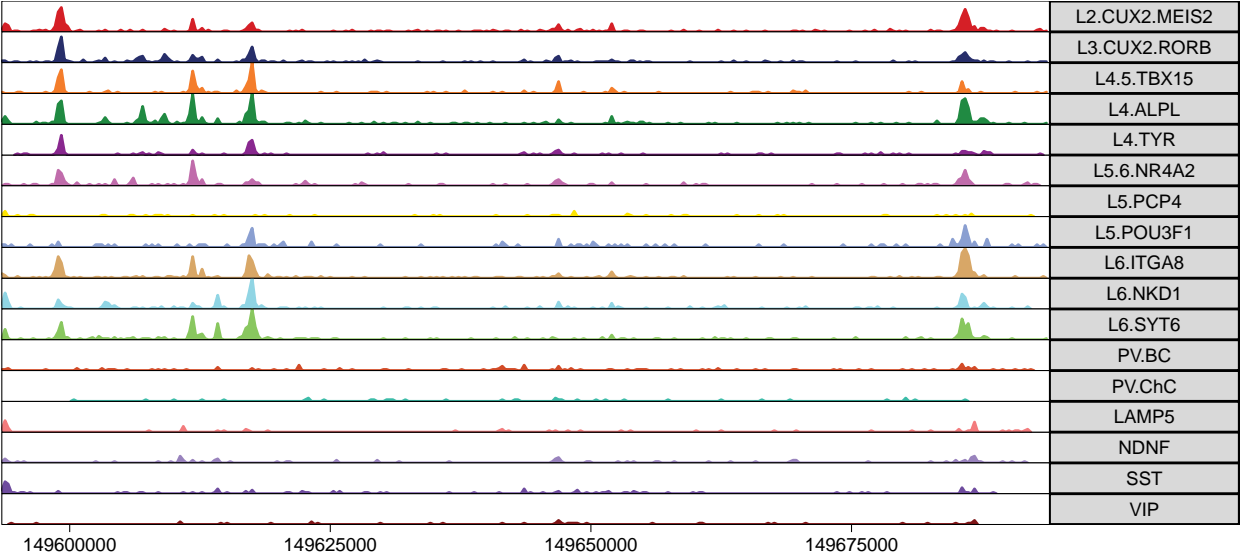
Peaks



Genes

chr7:149593487-149693988 Marker Peak Tracks for: L4.5.TBX15

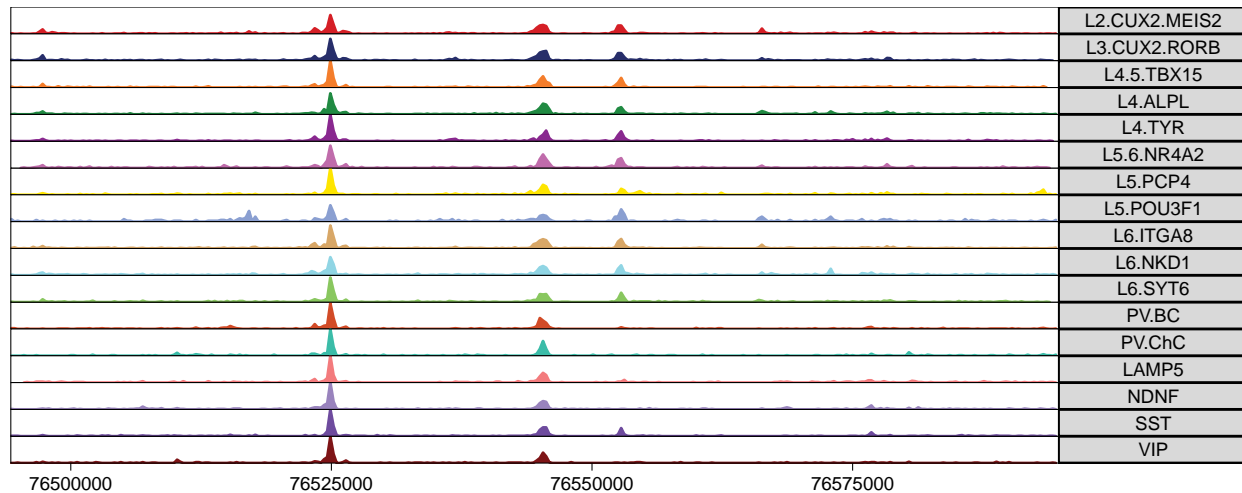
Coverage  
(Norm. ATAC Signal Range (0-0.83) by ReadsInTSS)



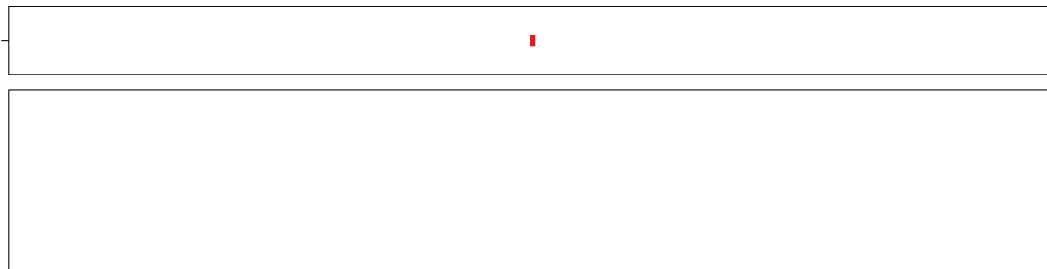
L4.5.TBX15



## chr20:76494245–76594746 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–2.41) by ReadsInTSS)

L4.5.TBX15

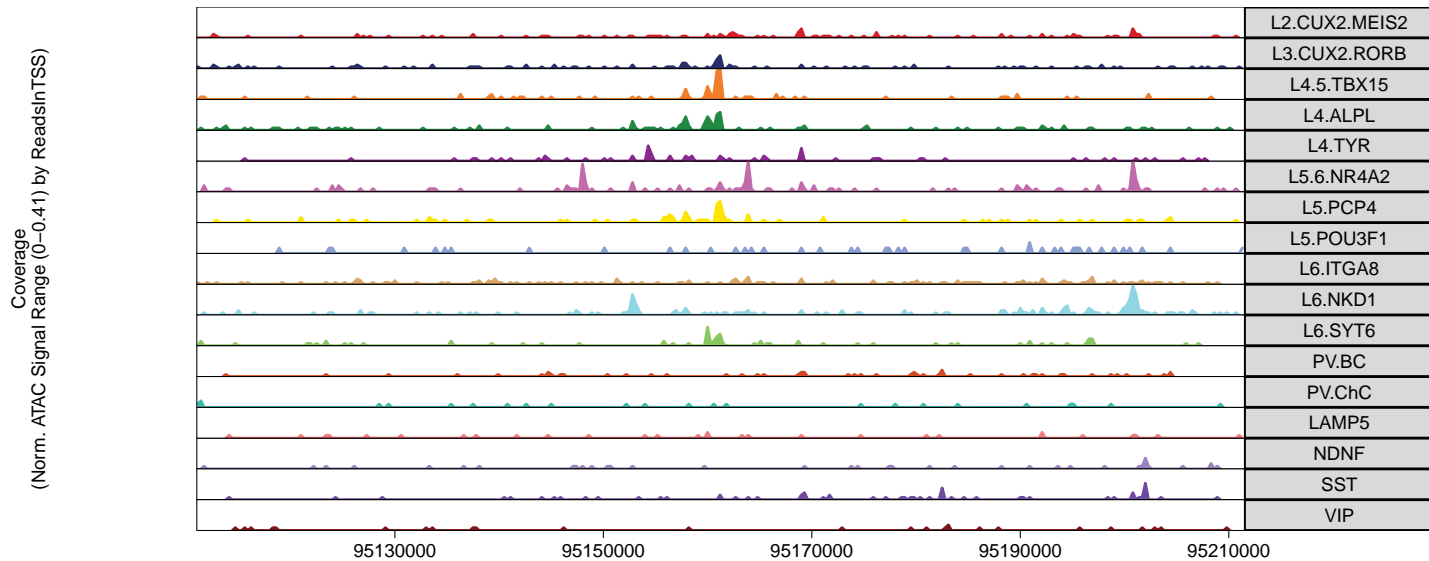


Peaks

GeneTrack

strand ● ·

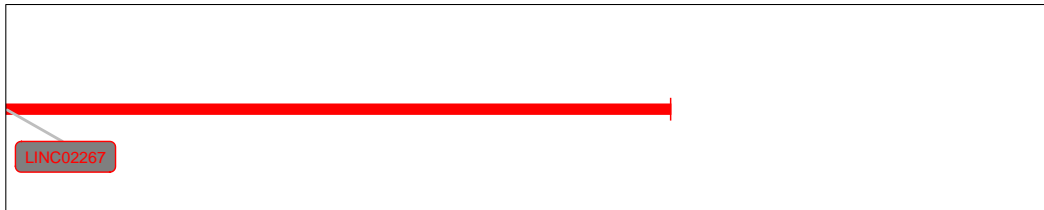
## chr5:95111001–95211502 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15



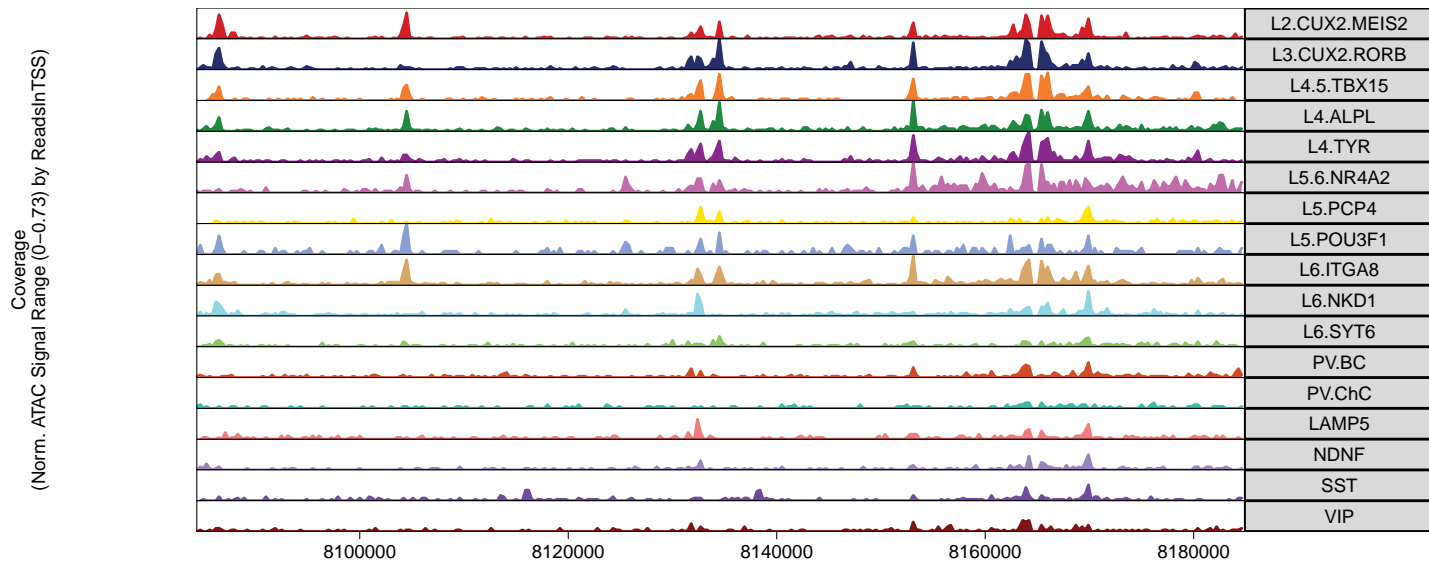
Peaks



Genes



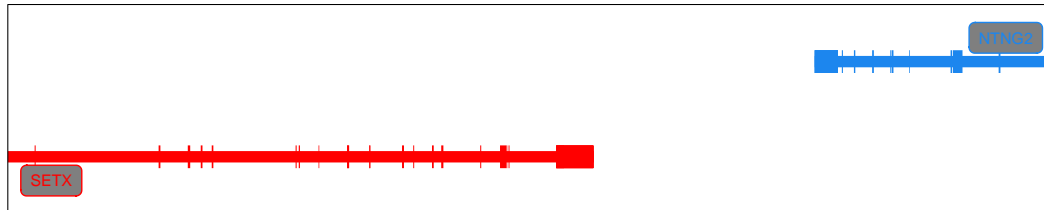
## chr15:8084368–8184869 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

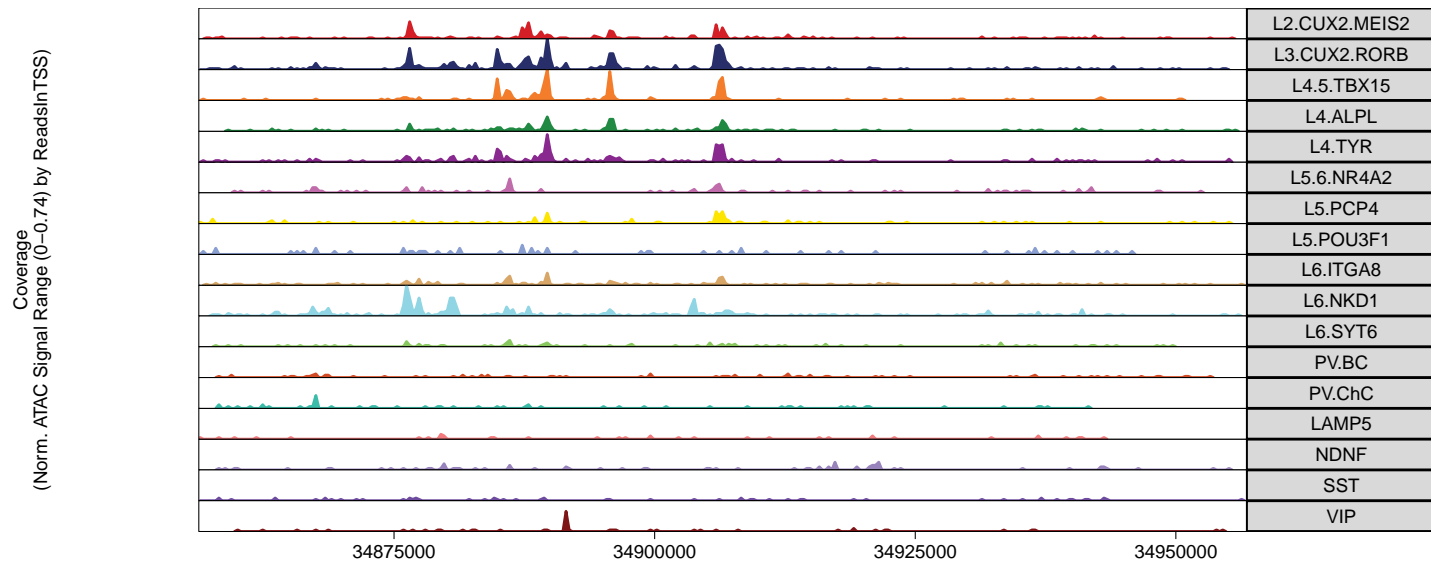


Peaks



Genes

## chr1:34856271–34956772 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

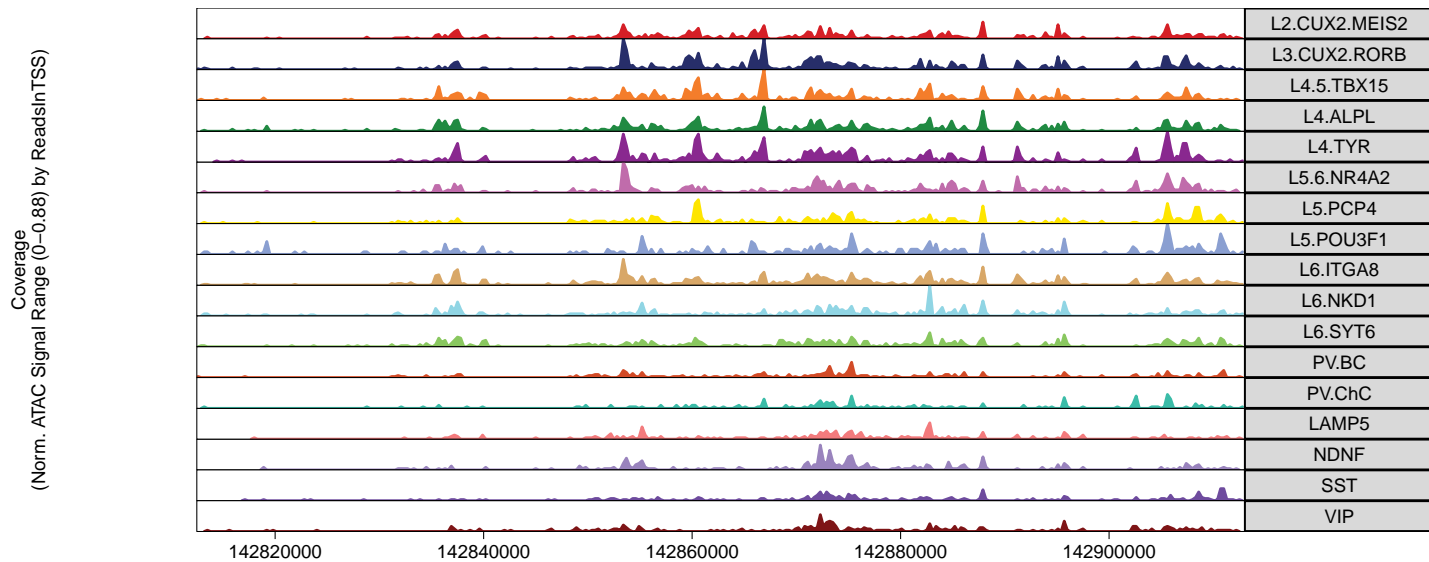


Peaks



Genes

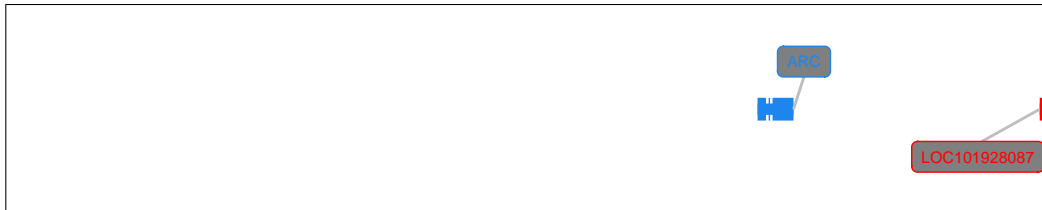
## chr8:142812485–142912986 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

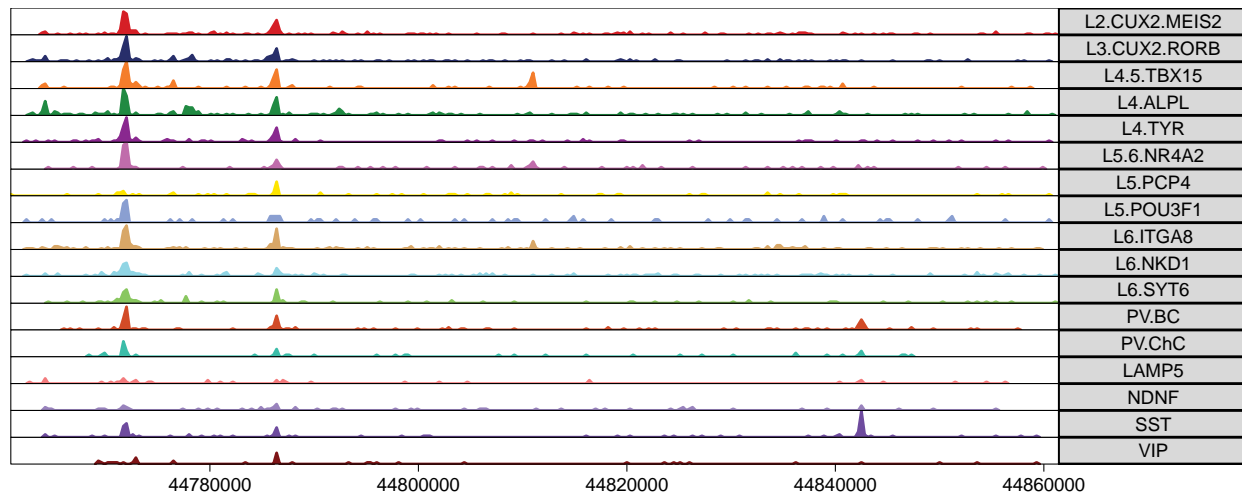


Peaks

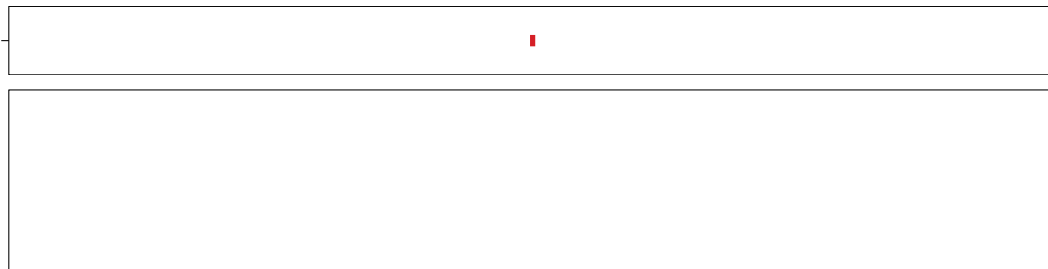


Genes

## chr5:44760899–44861400 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–0.61) by ReadsInTSS)

L4.5.TBX15

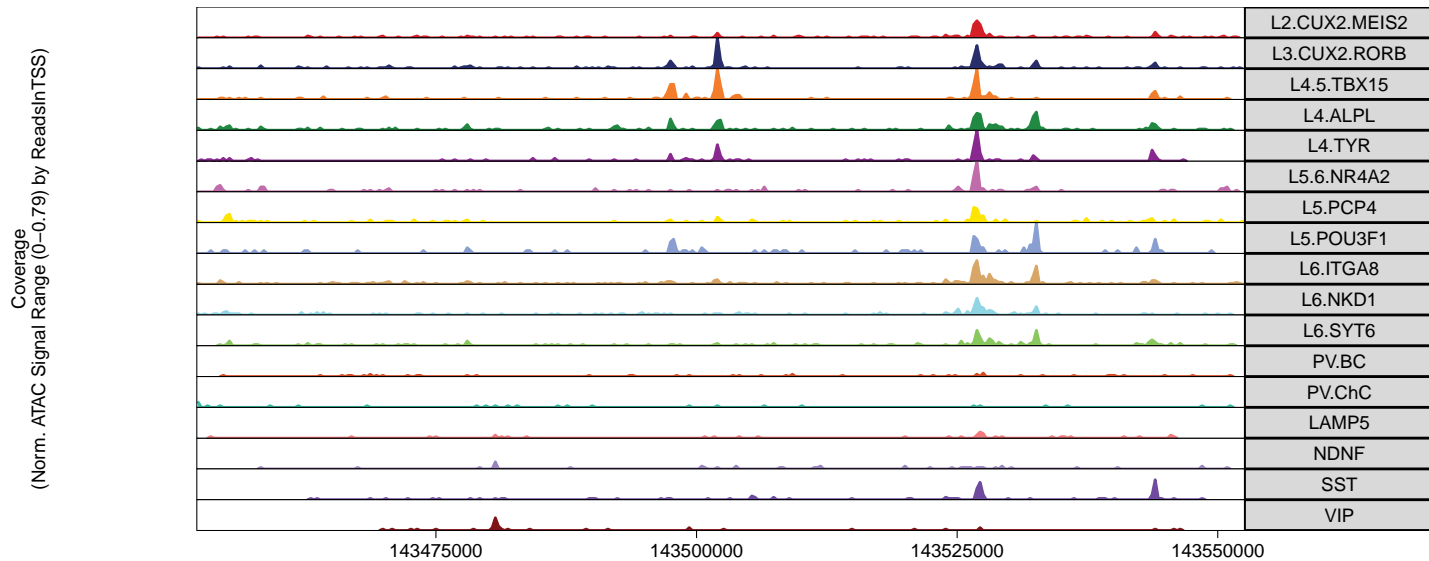


Peaks

GeneTrack

strand ● ·

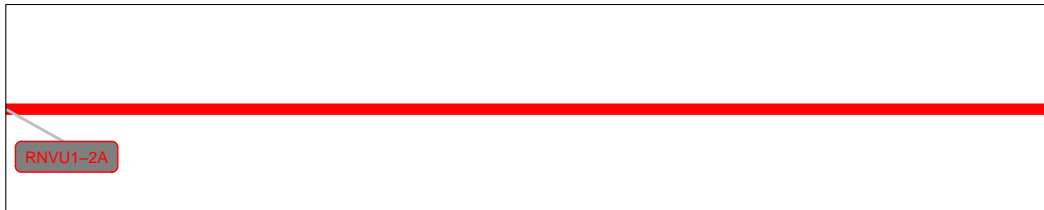
## chr1:143452060–143552561 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

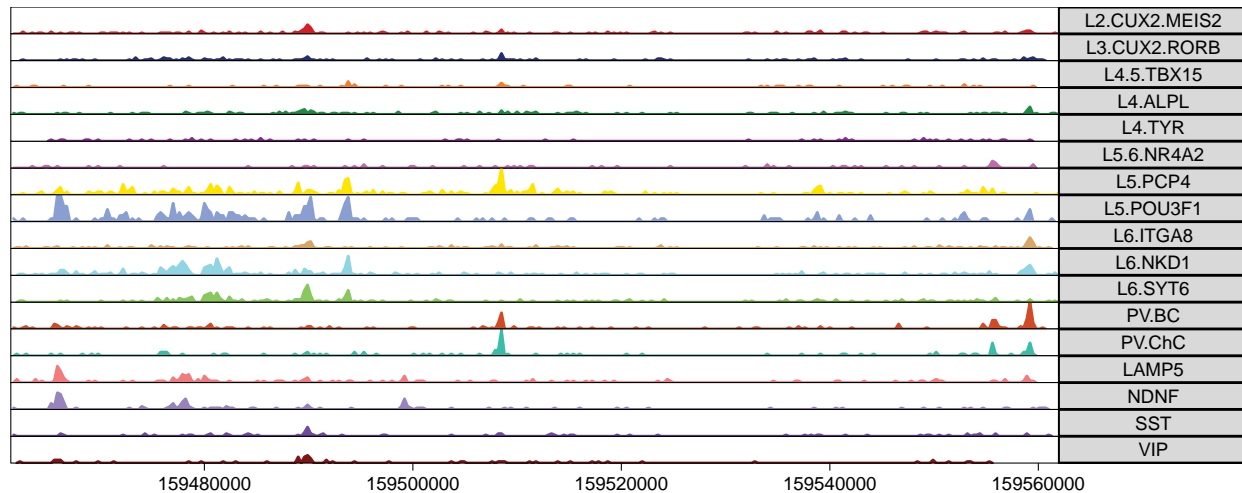


Peaks

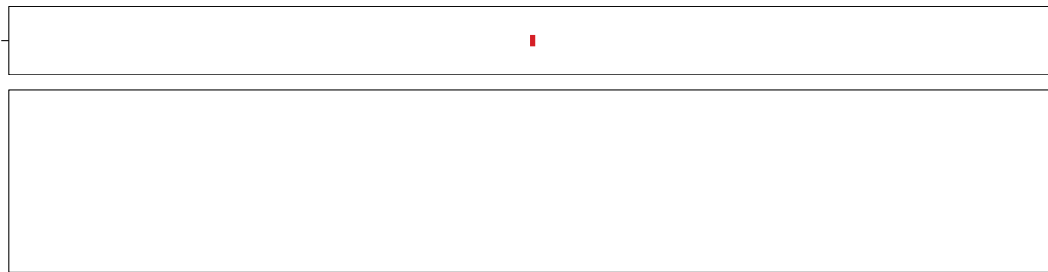


Genes

## chr7:159461430–159561931 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–0.64) by ReadsInTSS)

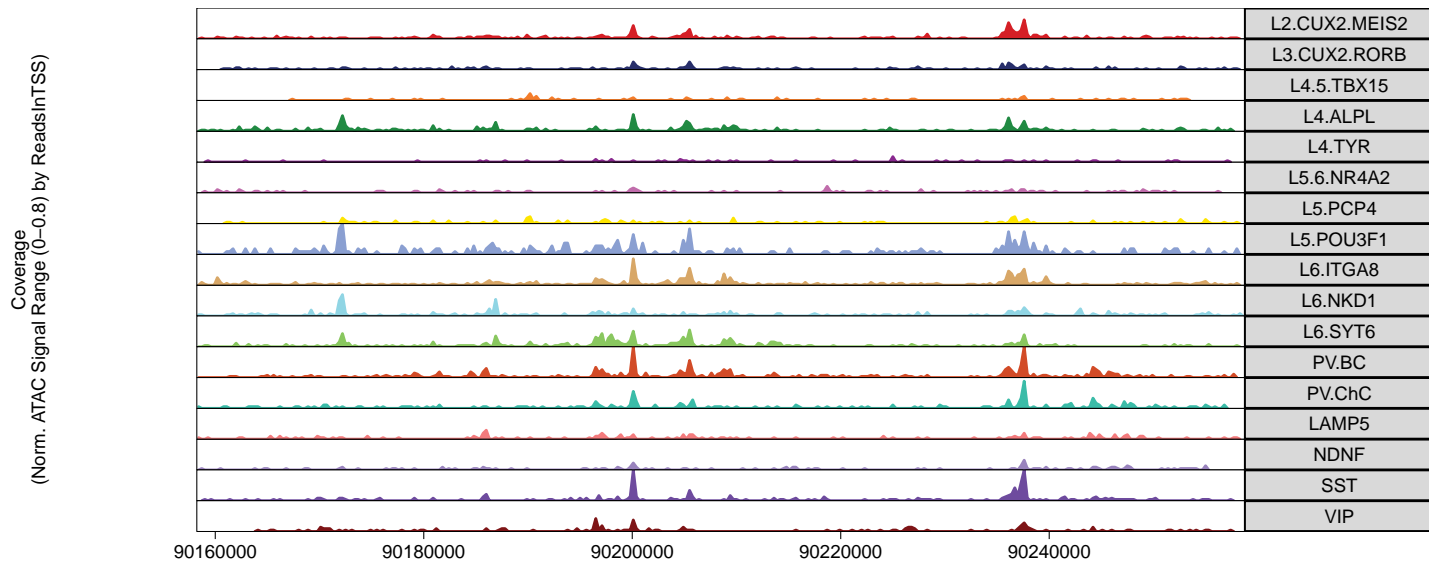
L4.5.TBX15



Peaks

strand ● ·

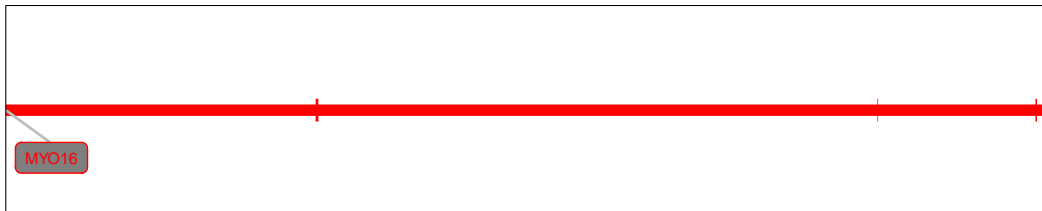
## chr17:90158228–90258729 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15

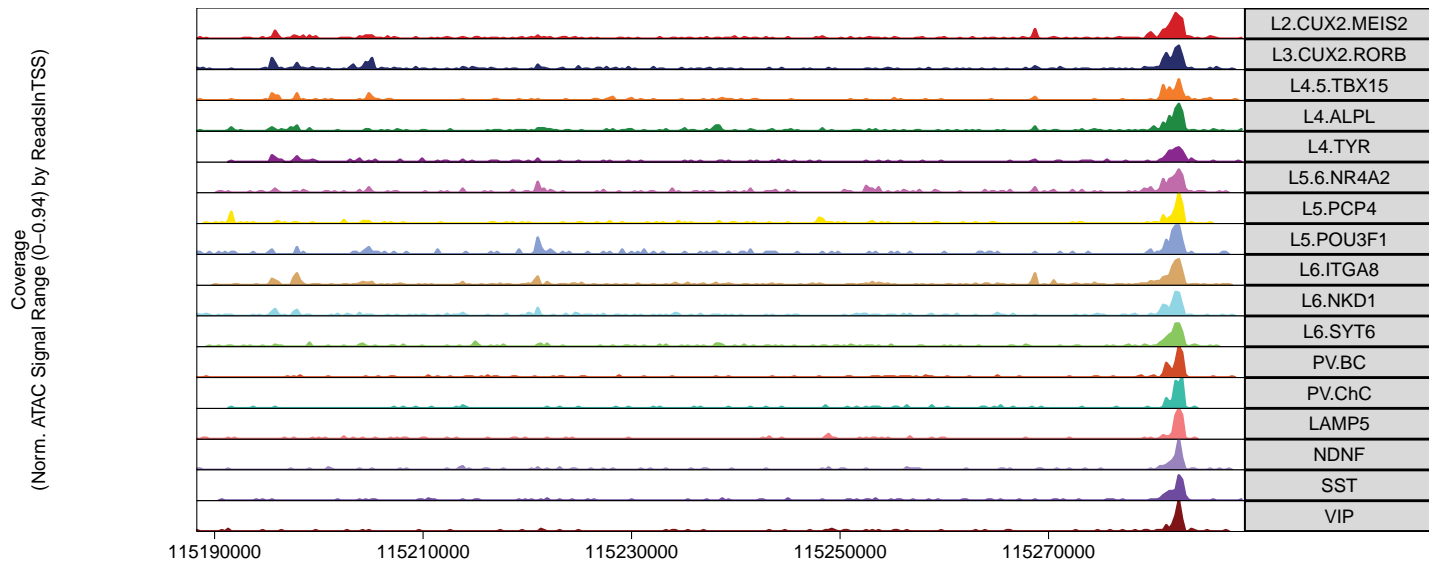


Peaks



Genes

## chr7:115188293–115288794 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15



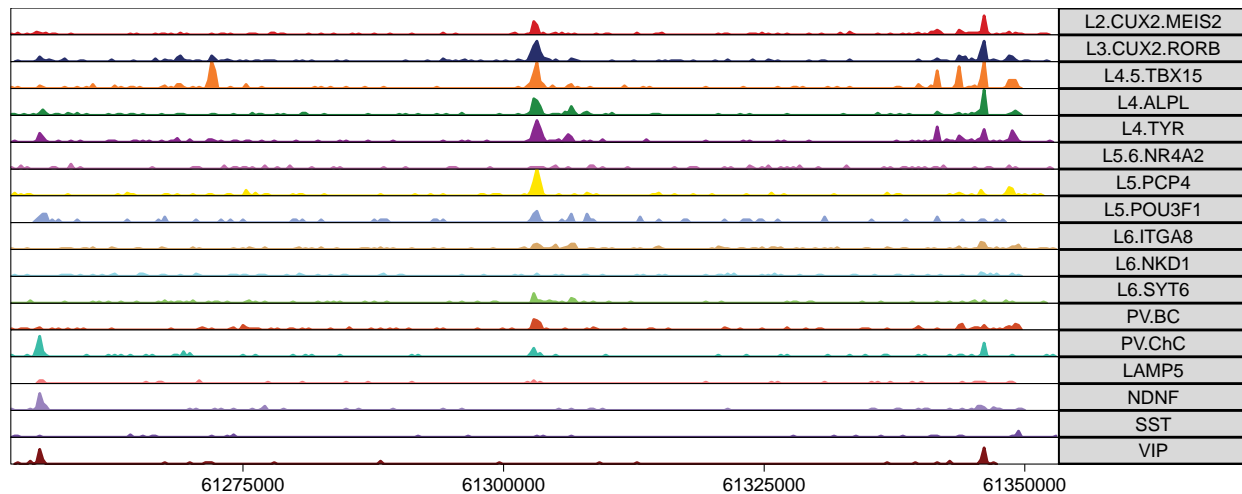
Peaks



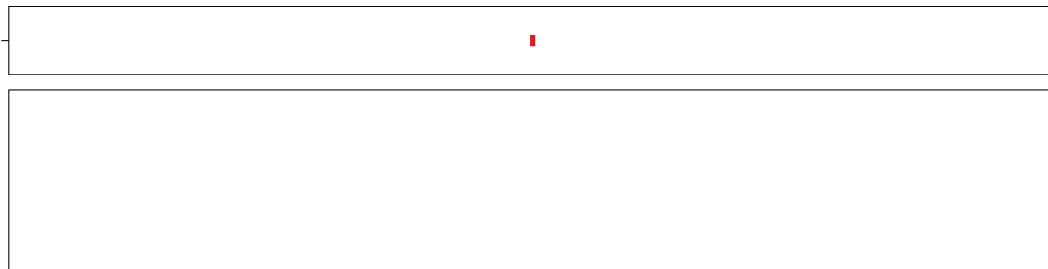
Genes



## chr11:61252728–61353229 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0–0.69) by ReadsInTSS)

L4.5.TBX15

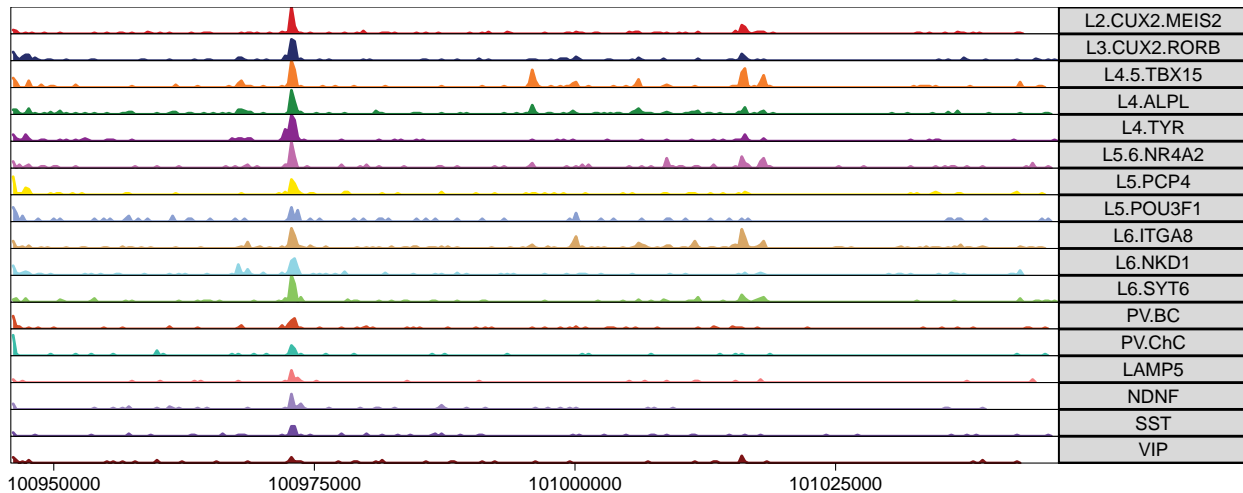


Peaks

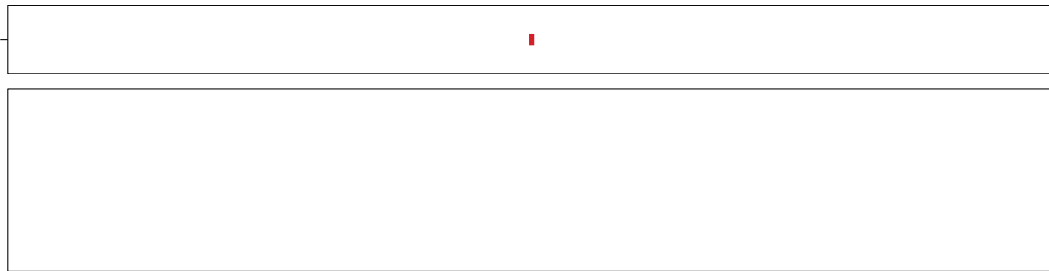
GeneTrack

strand    ●    •

## chrX:100945877-101046378 Marker Peak Tracks for: L4.5.TBX15

Coverage  
(Norm. ATAC Signal Range (0-0.69) by ReadsInTSS)

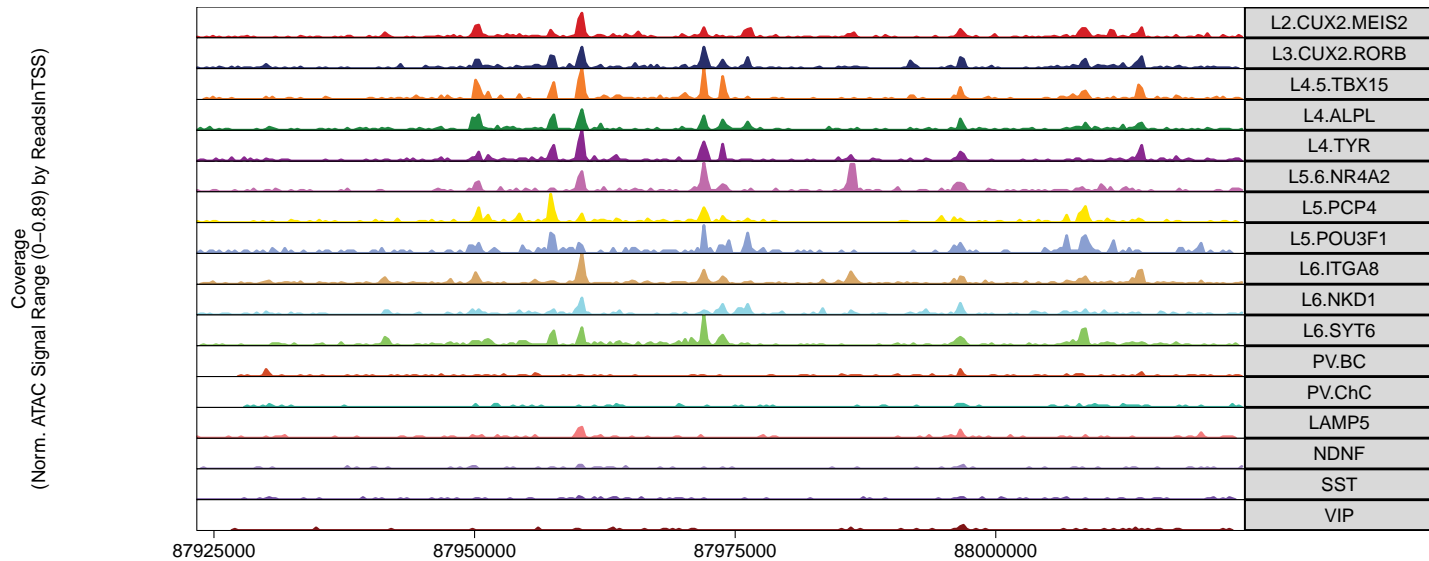
L4.5.TBX15



Peaks

strand ● ·

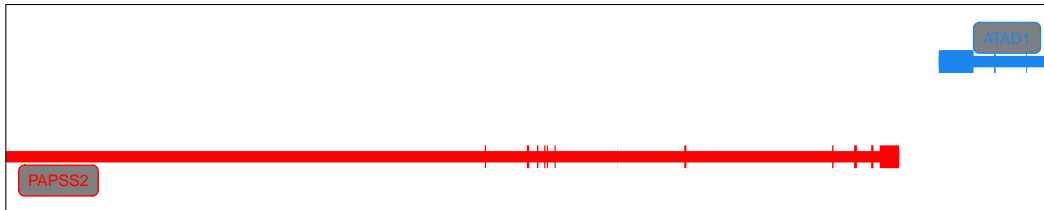
## chr9:87923354–88023855 Marker Peak Tracks for: L4.5.TBX15



L4.5.TBX15



Peaks



Genes