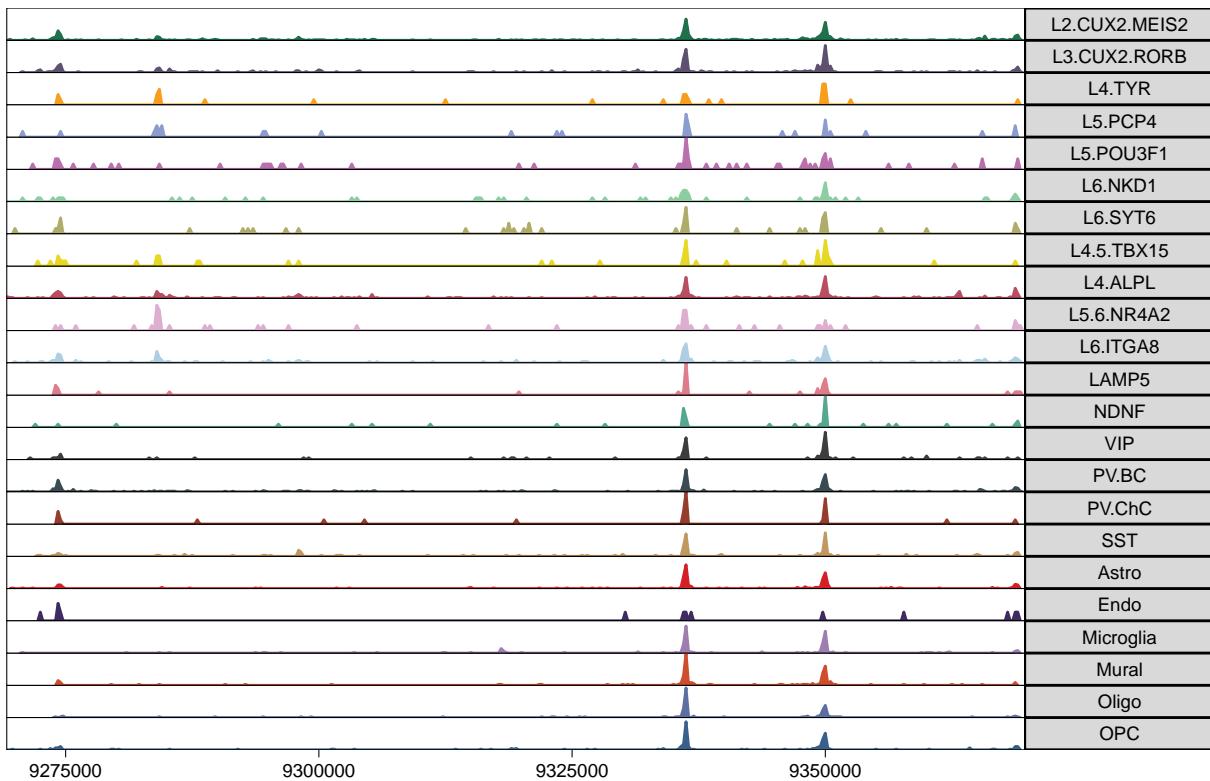
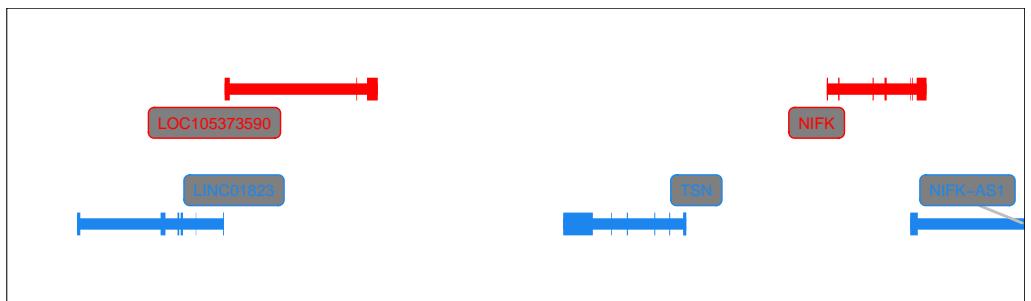
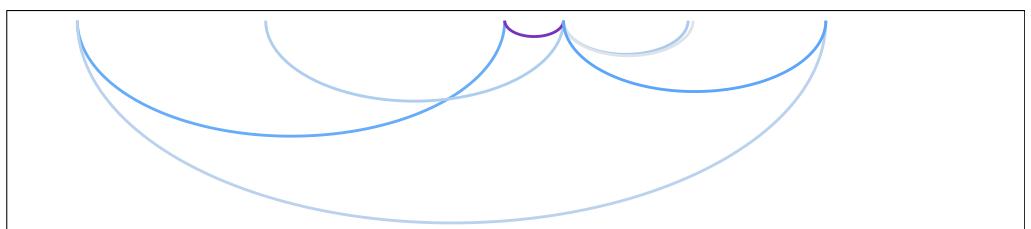


chr12:9269185–9369686 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.44) by ReadsInTSS)

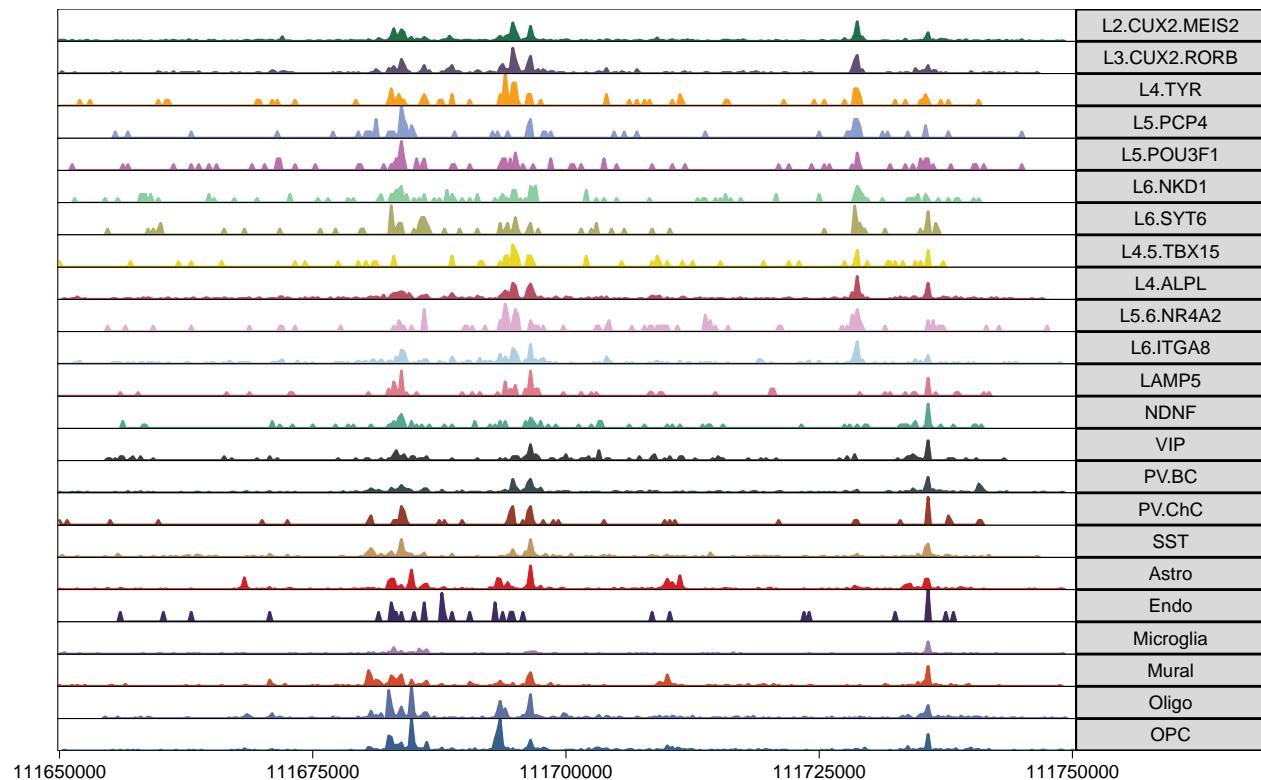


9275000 9300000 9325000 9350000



chr14:111649824–111750325 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.32) by ReadsInTSS)

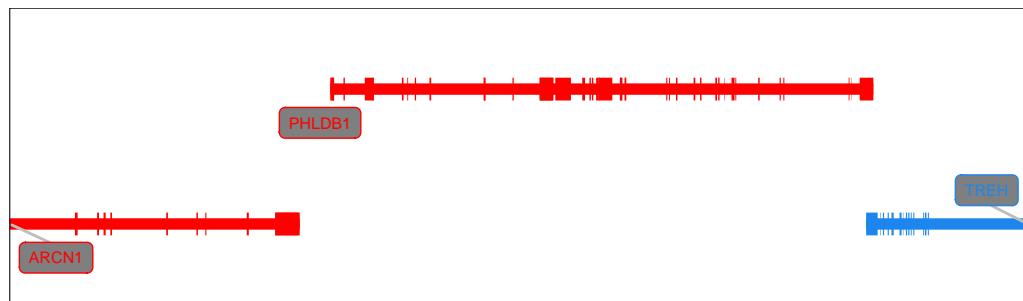
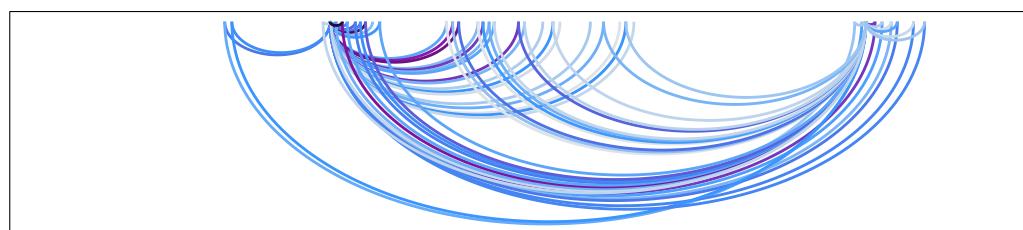


111650000 111675000 111700000 111725000 111750000

VIP - Peaks



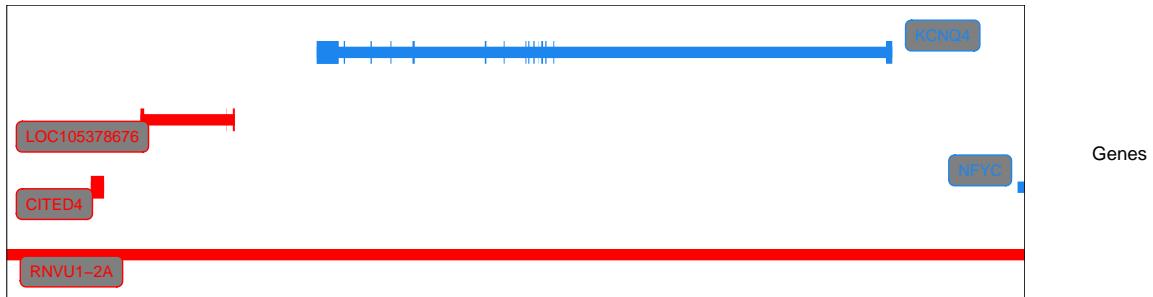
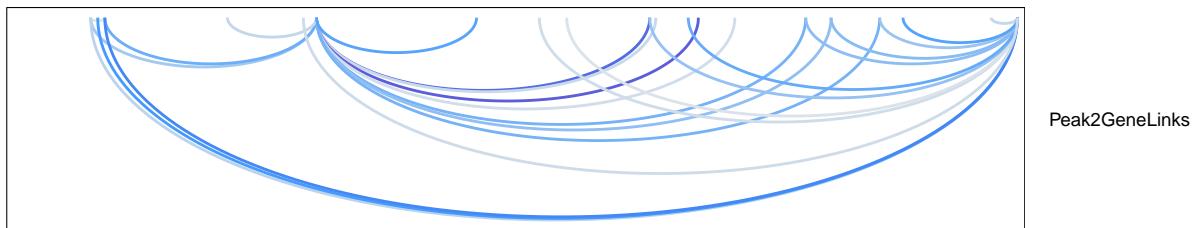
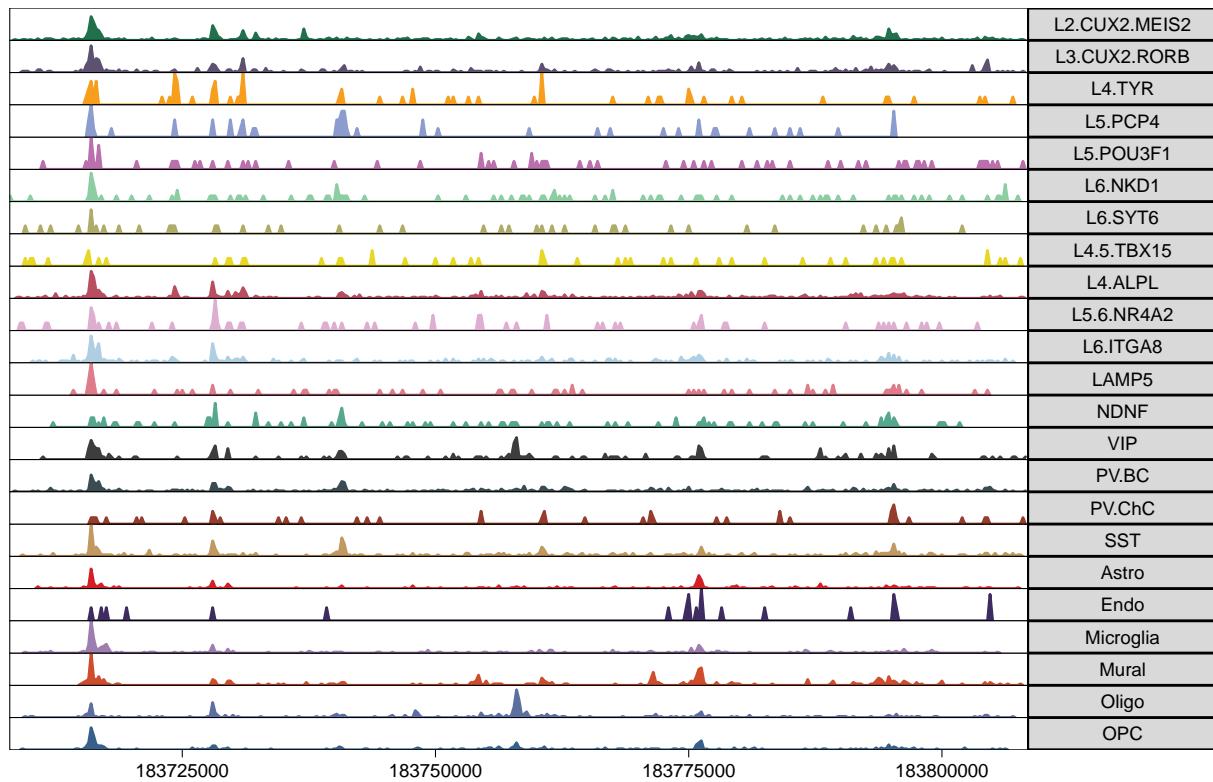
Peak2GeneLinks



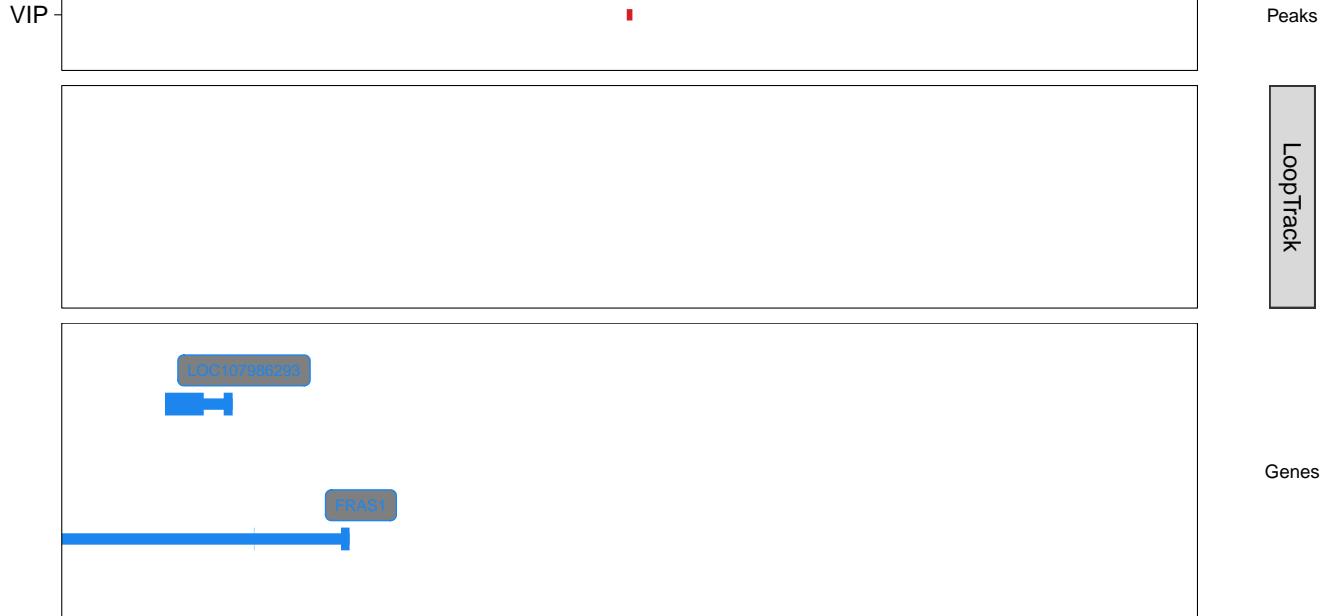
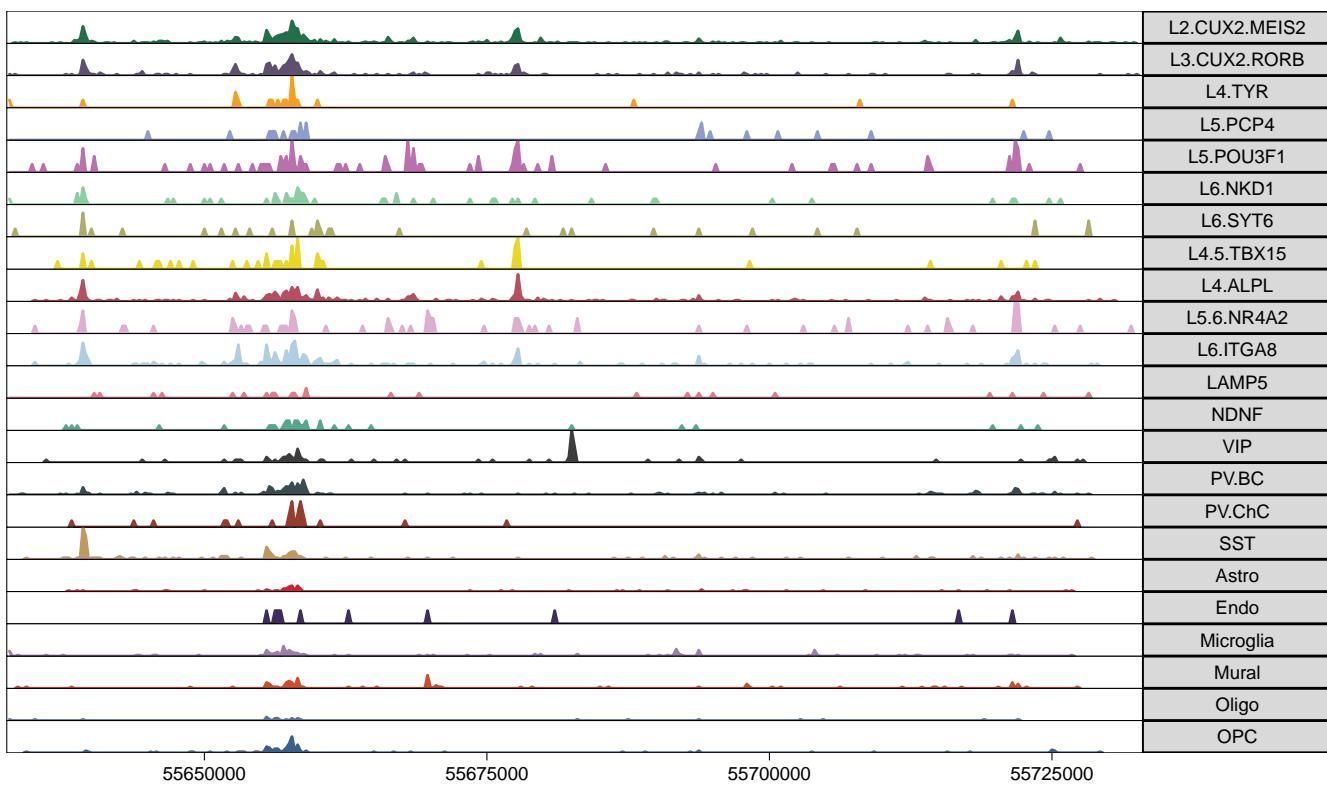
Genes

chr1:183707967–183808468 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.95) by ReadsInTSS)

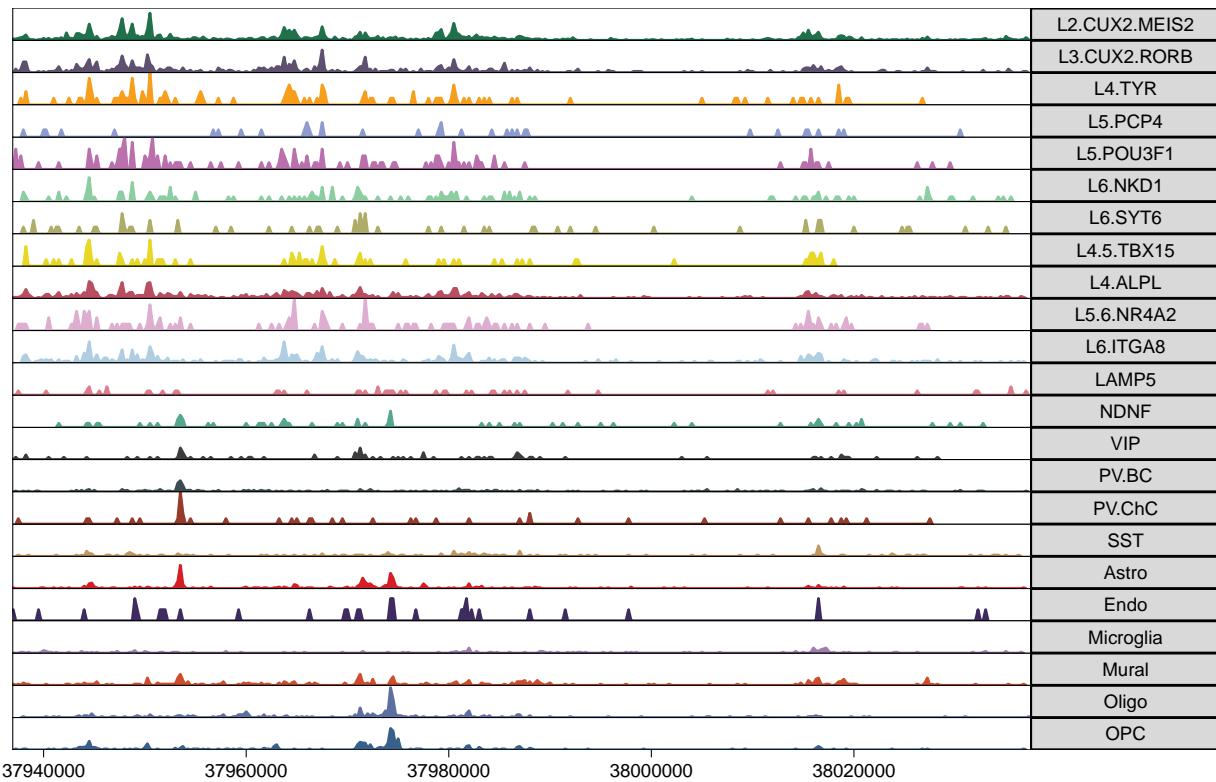


chr5:55632508–55733009 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.96) by ReadsInTSS)

chr19:37936952–38037453 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.13) by ReadsInTSS)

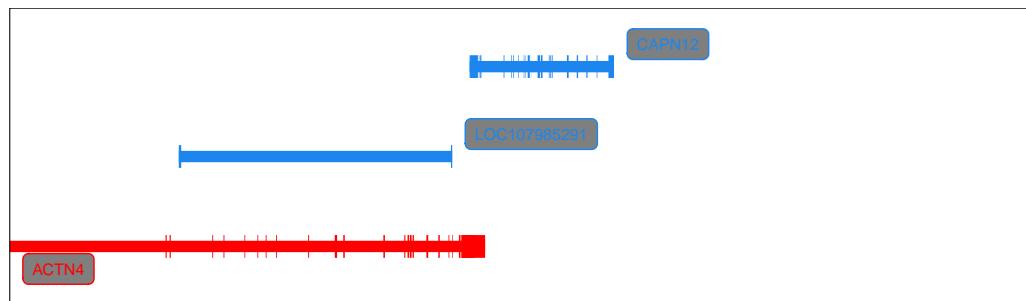
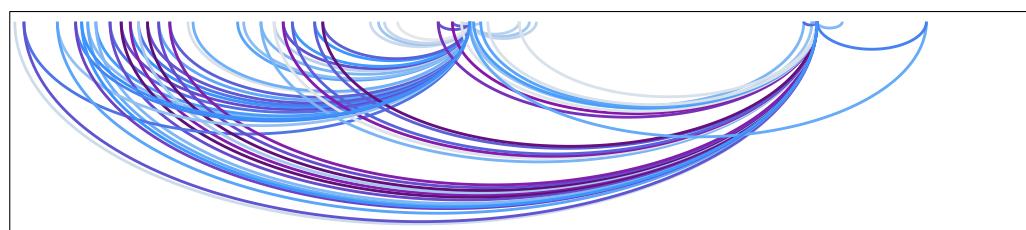


37940000 37960000 37980000 38000000 38020000

VIP - Peaks

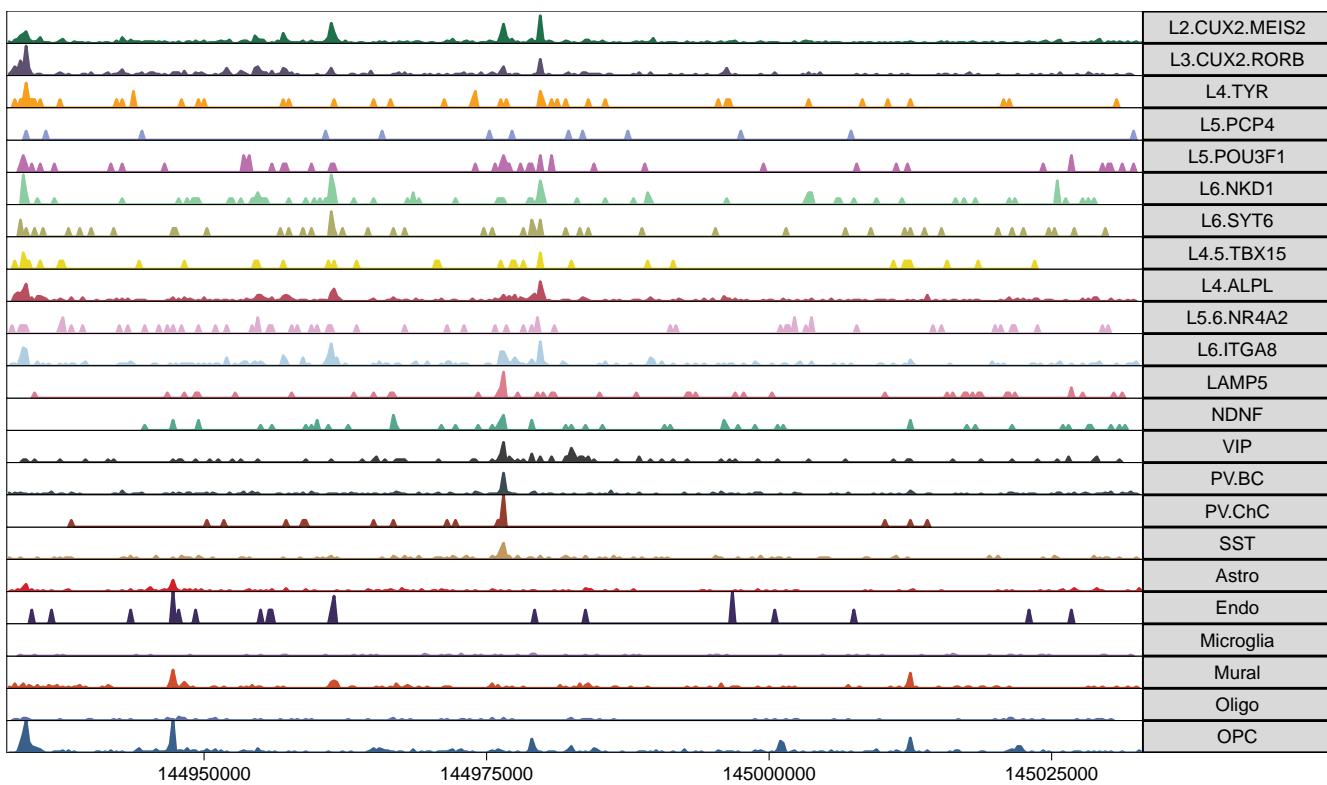


Peak2GeneLinks



Genes

chr2:144932536–145033037 Marker Peak Tracks for: VIP

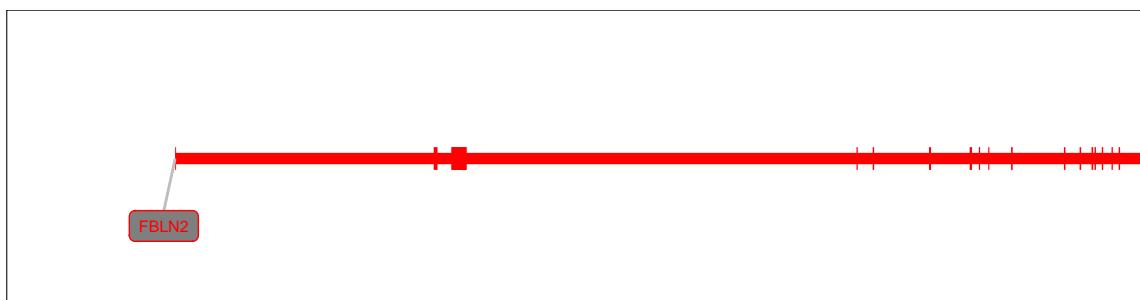
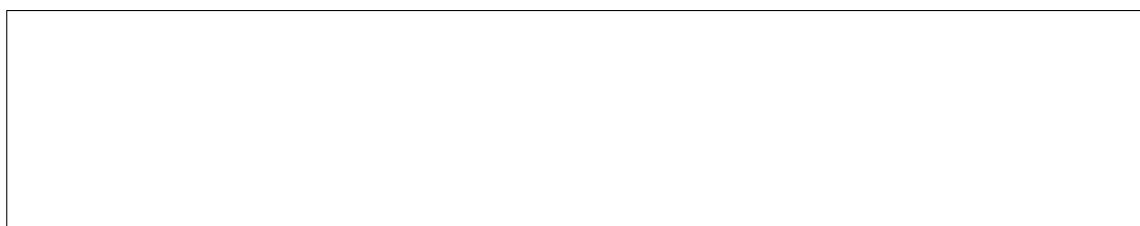
Coverage
(Norm. ATAC Signal Range (0–0.9) by ReadInTSS)

144950000 144975000 145000000 145025000

VIP - Peaks

Peaks

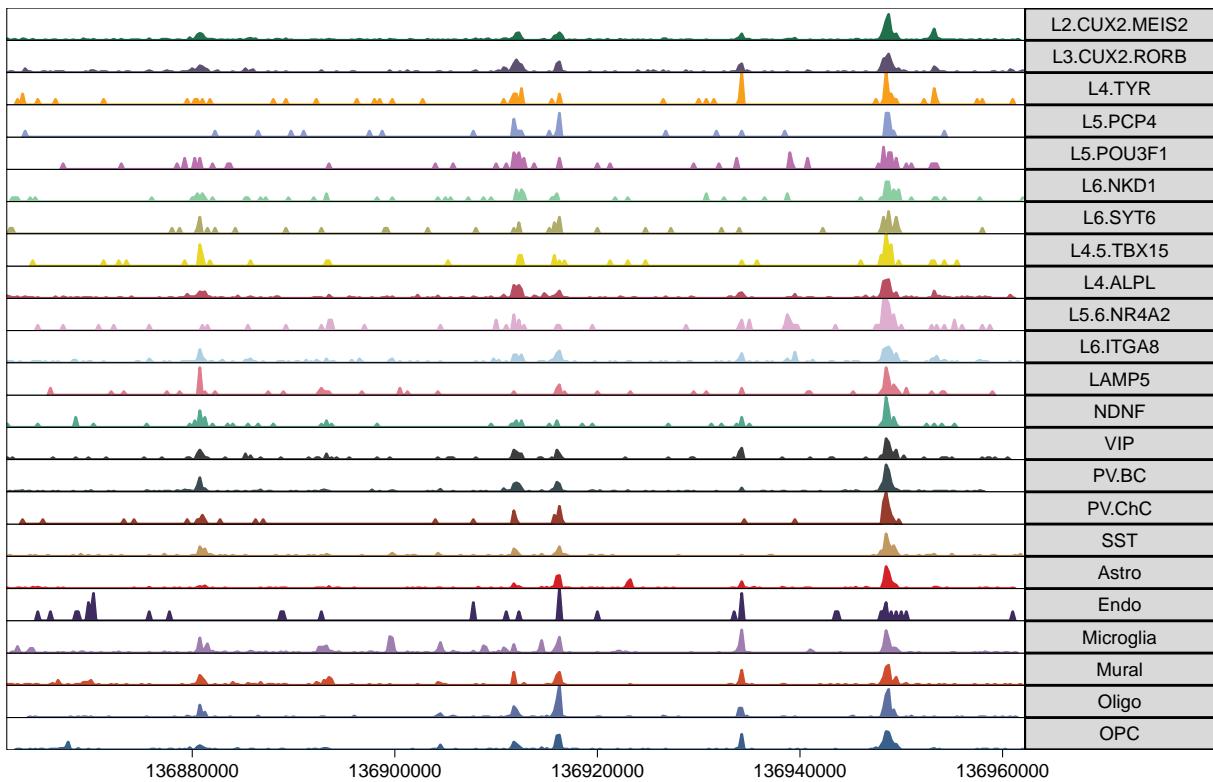
LoopTrack



Genes

chr6:136861686–136962187 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.38) by ReadsInTSS)



136880000 136900000 136920000 136940000 136960000

VIP - Peaks

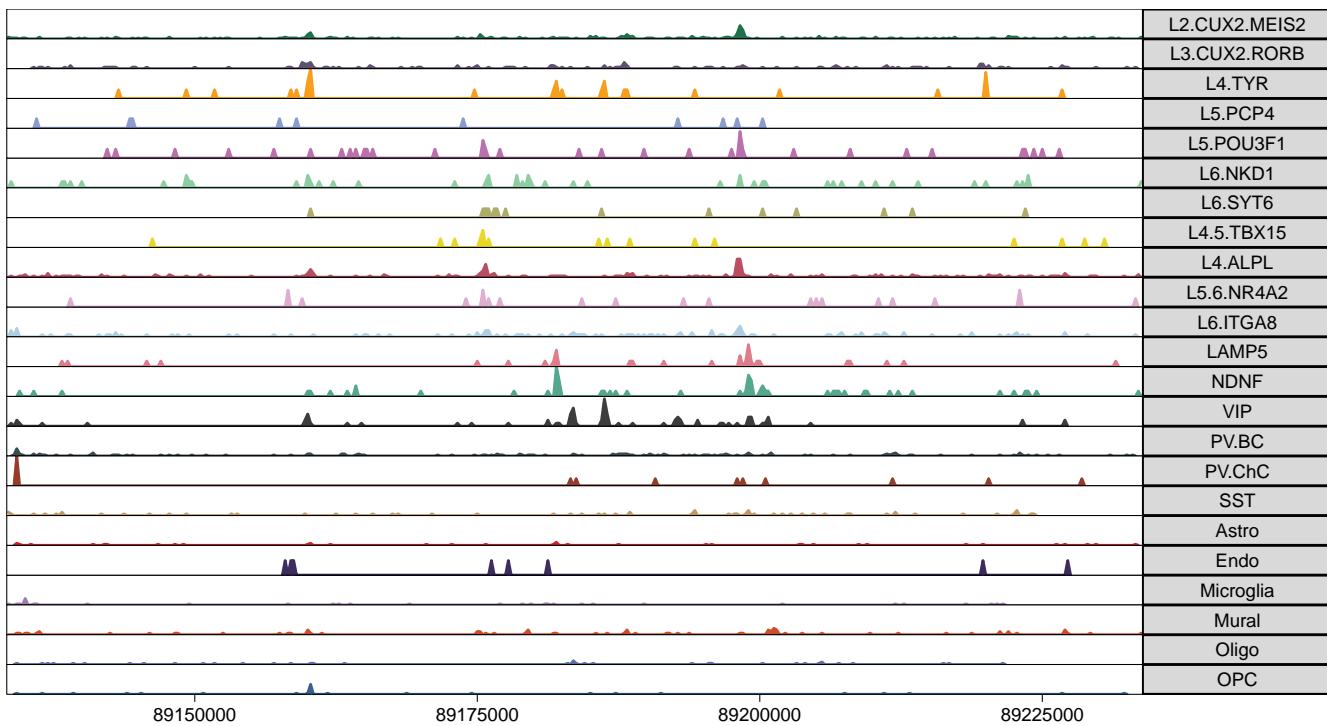
value
0.8
0.6
0.4
0.2

Peak2GeneLinks



Genes

chr13:89133361–89233862 Marker Peak Tracks for: VIP

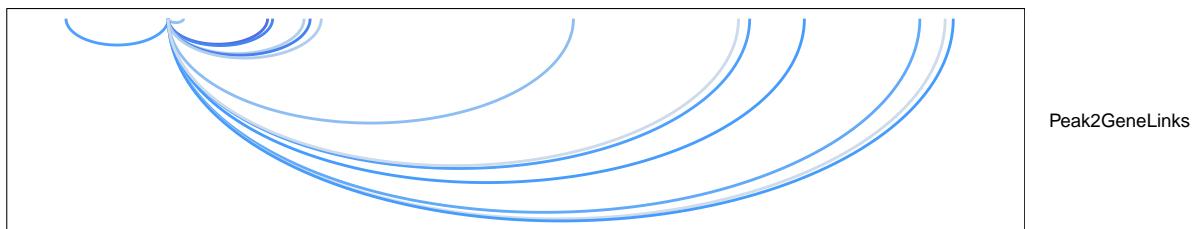
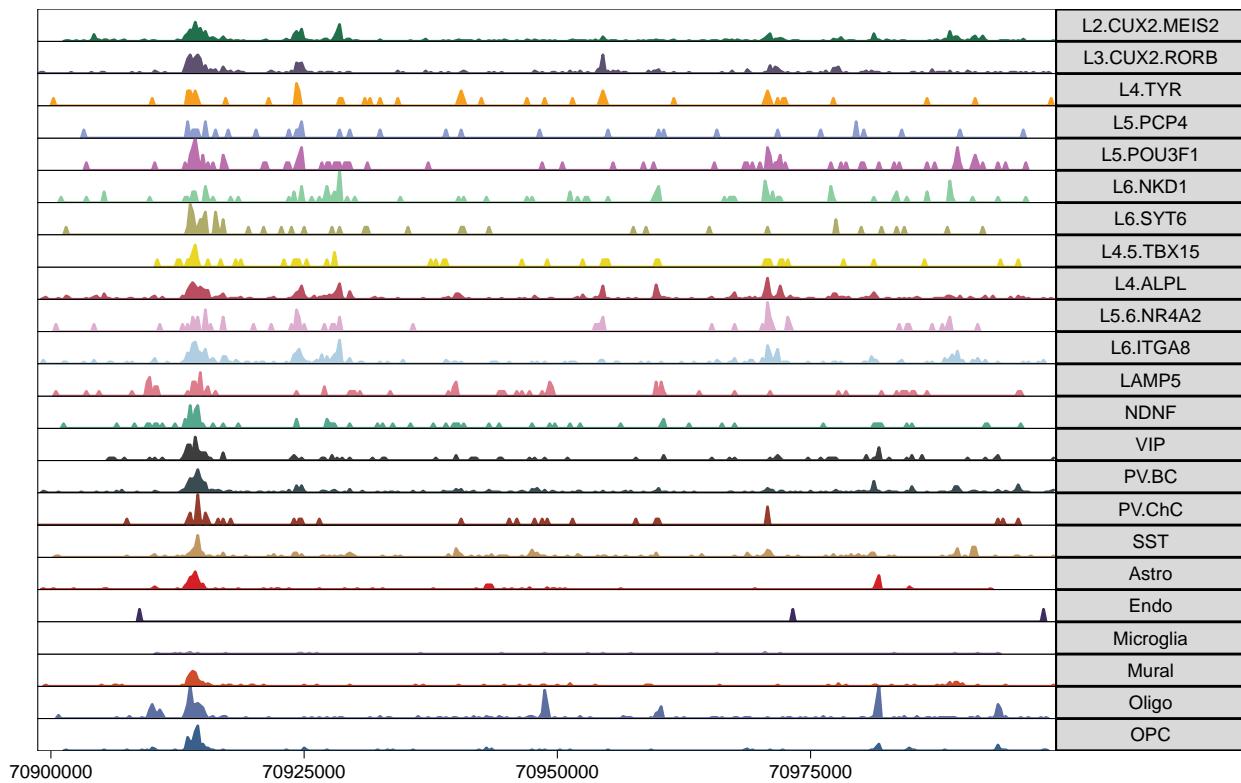
Coverage
(Norm. ATAC Signal Range (0–0.8) by ReadslnTSS)

89150000 89175000 89200000 89225000

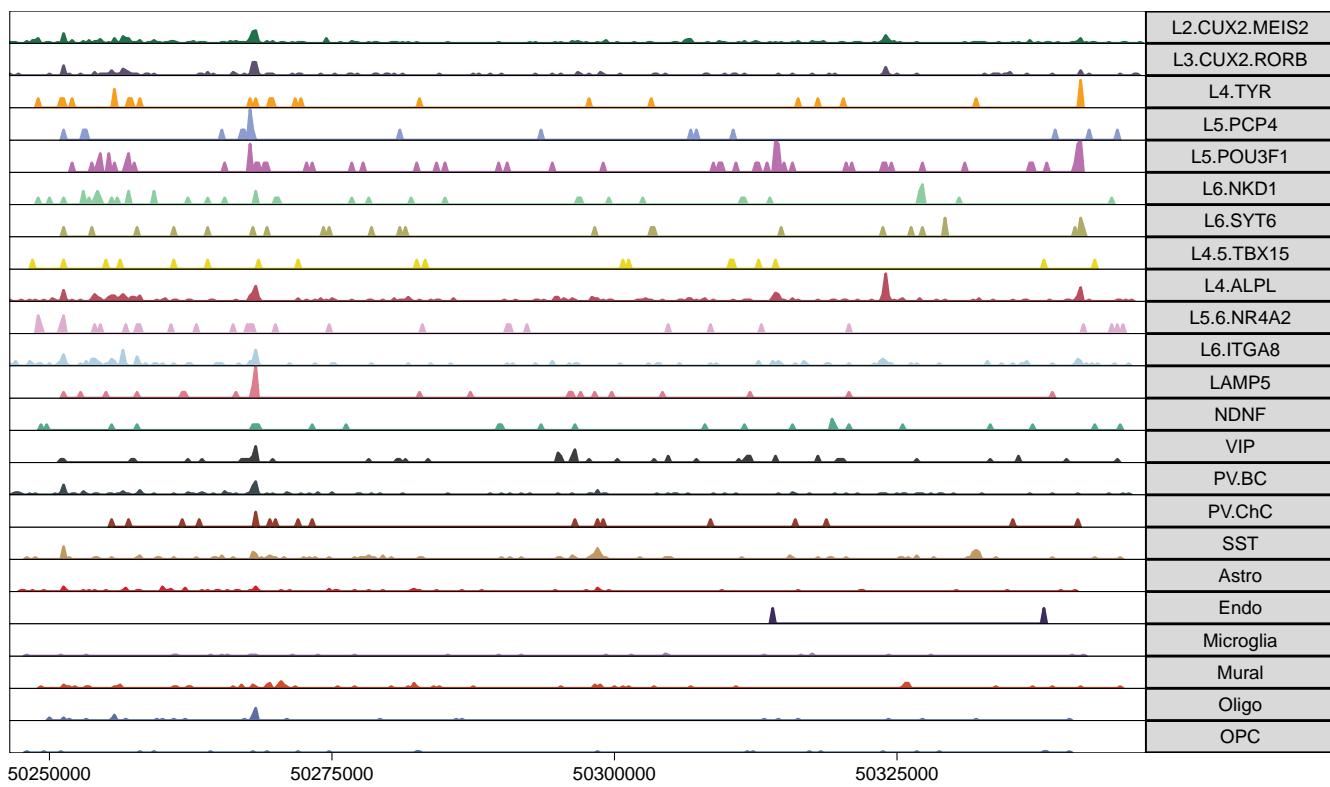
strand ● •

chr7:709898700–70999201 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.0) by ReadsInTSS)



chr18:50246485–50346986 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.82) by ReadsInTSS)

50250000 50275000 50300000 50325000

VIP

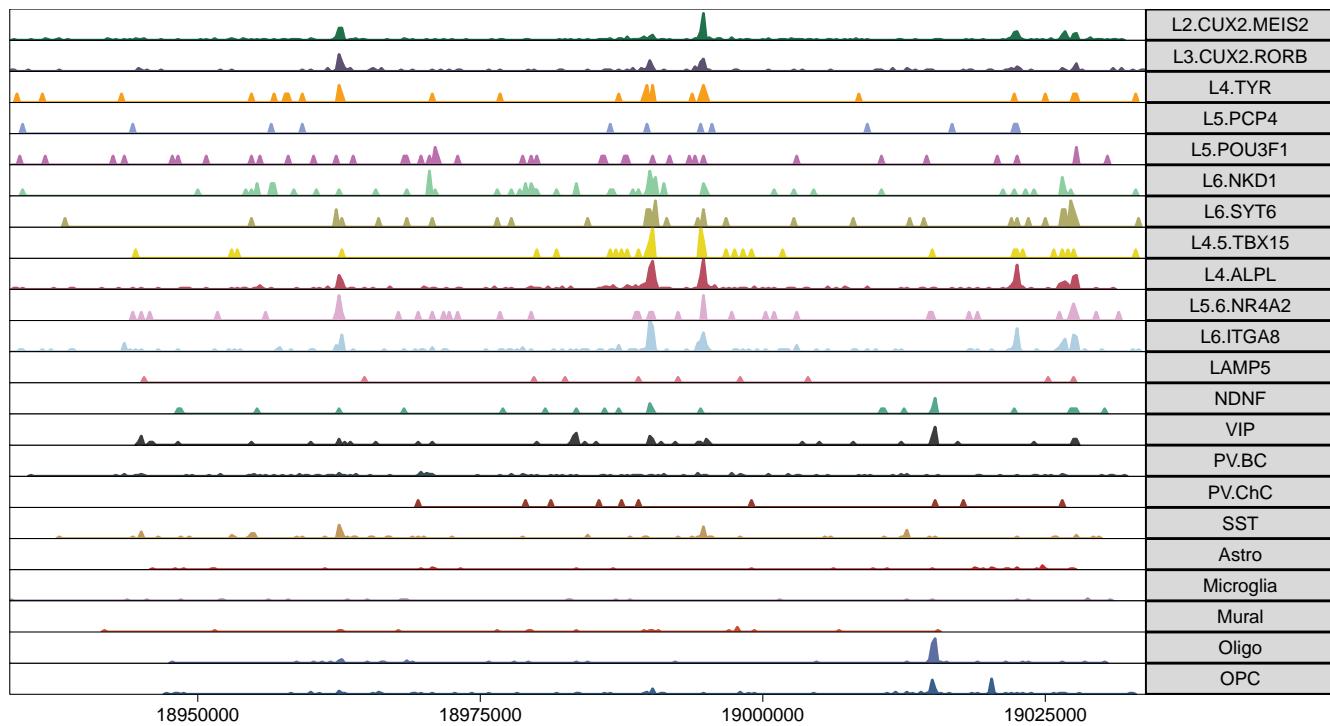
Peaks

LoopTrack

Genes



chr20:18933361–19033862 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.85) by ReadstTSS)

VIP

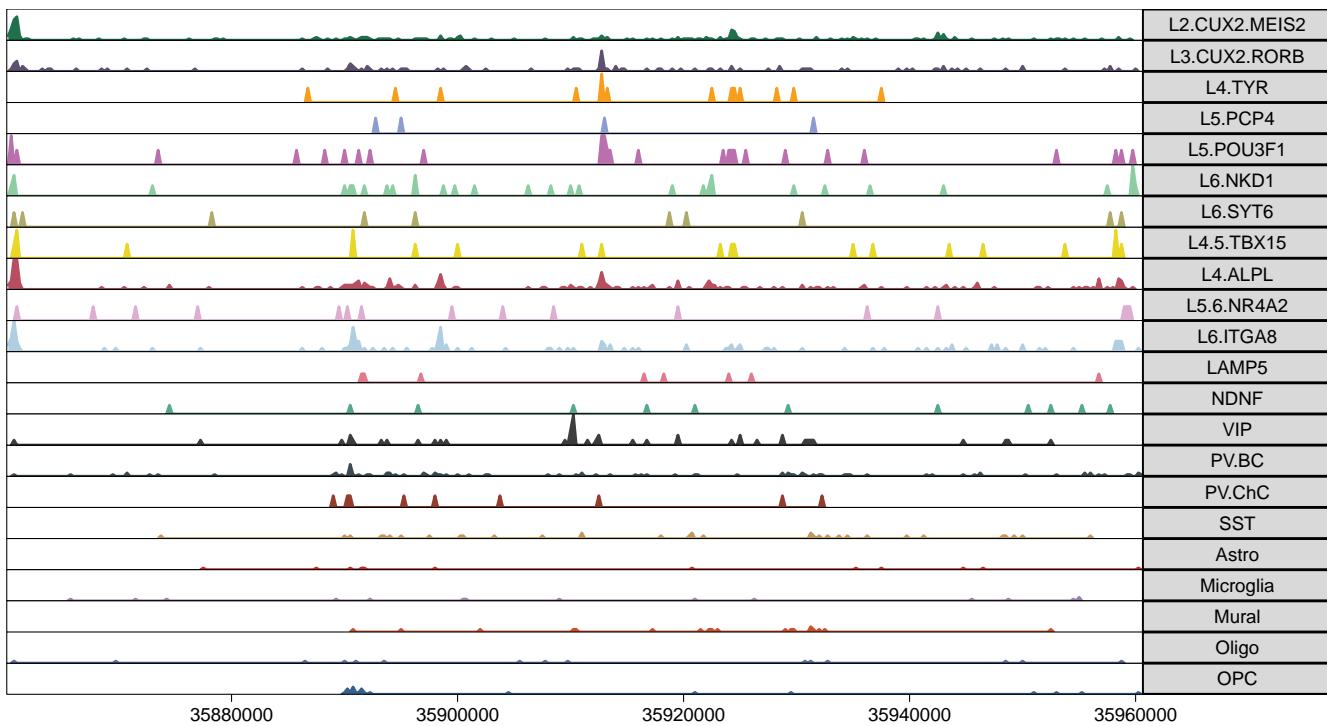
Peaks

LoopTrack

GeneTrack

strand ● •

chr20:35860105–35960606 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.51) by ReadstTSS)

VIP

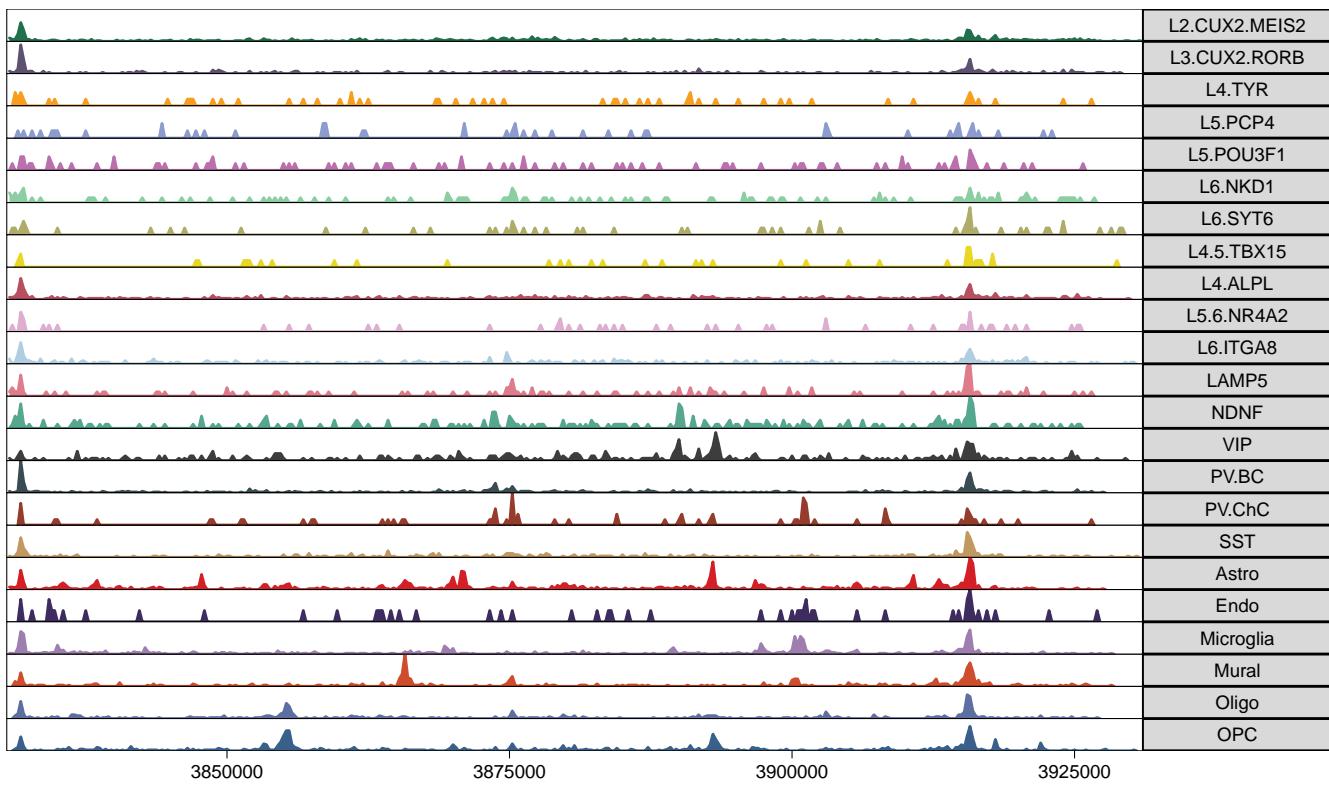
Peaks

LoopTrack

GeneTrack

strand ● •

chr15:3830509–3931010 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0-1.12) by ReadsInTSS)

VIP

Peaks

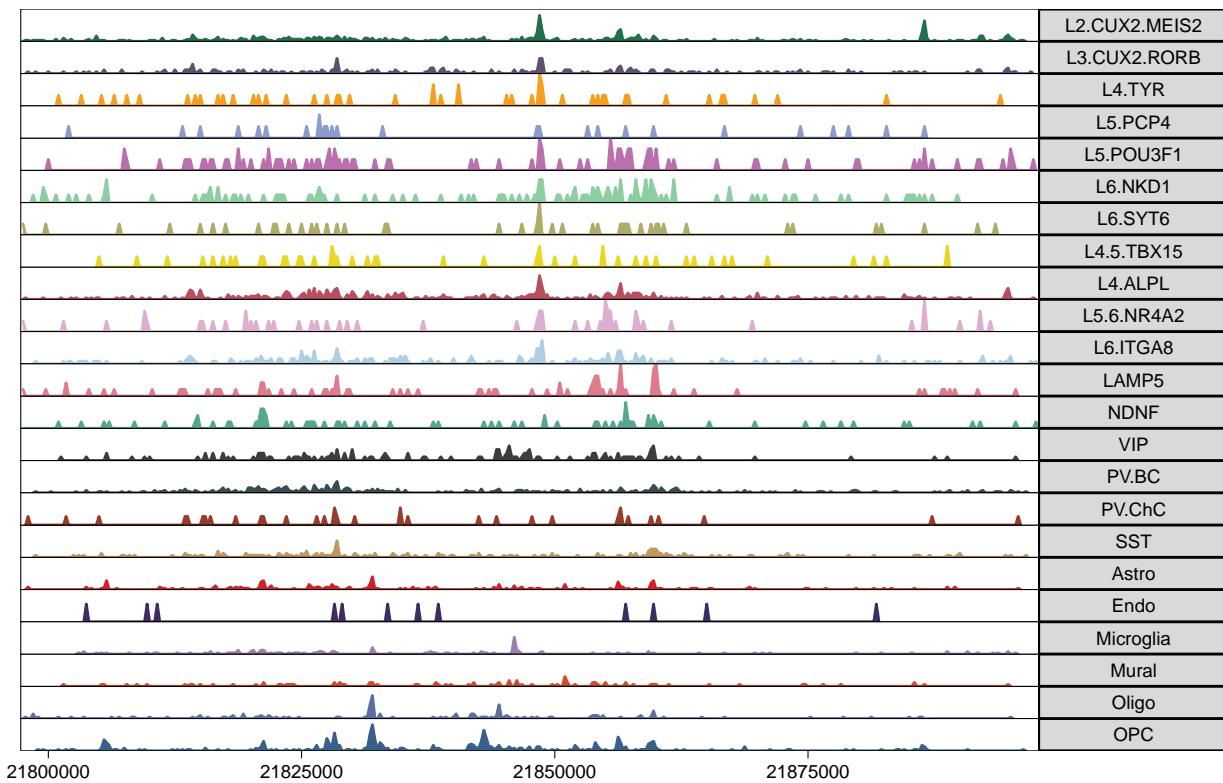
LoopTrack

RXRA

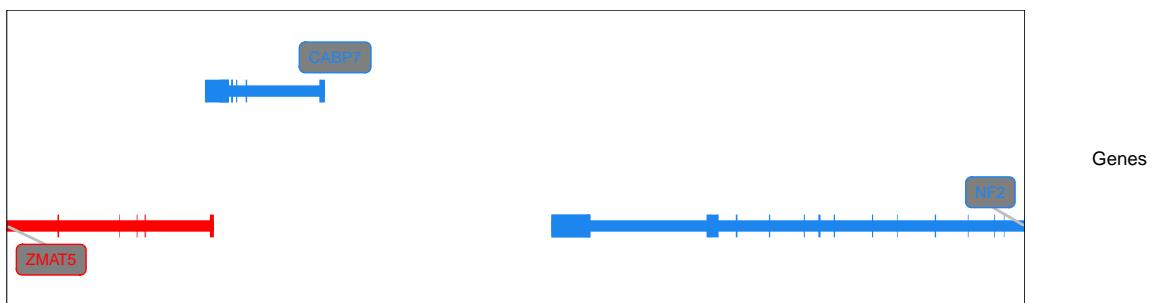
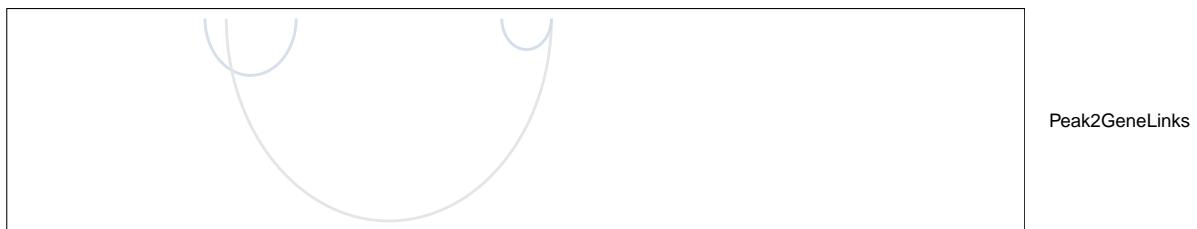
Genes

chr10:21797276–21897777 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.7) by ReadsInTSS)

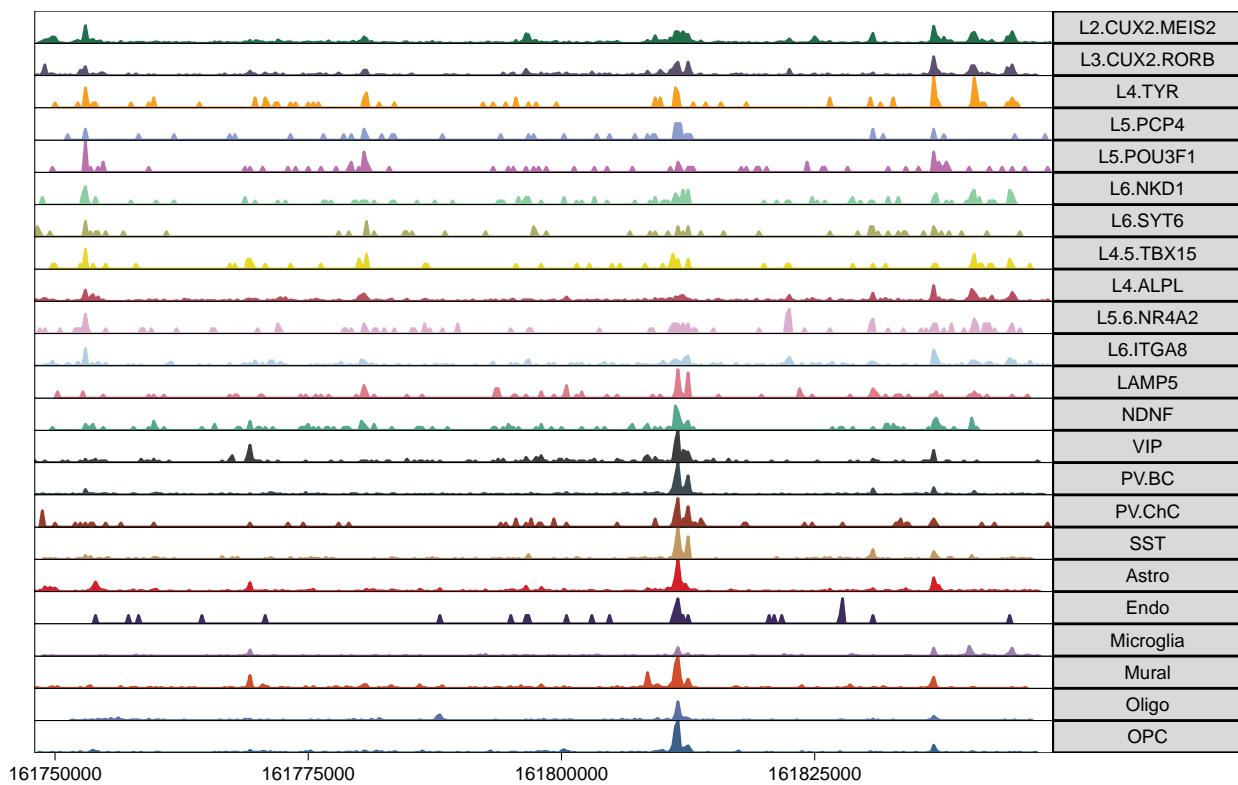


21800000 21825000 21850000 21875000



chr7:161747998–161848499 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0-1.5) by ReadsInTSS)

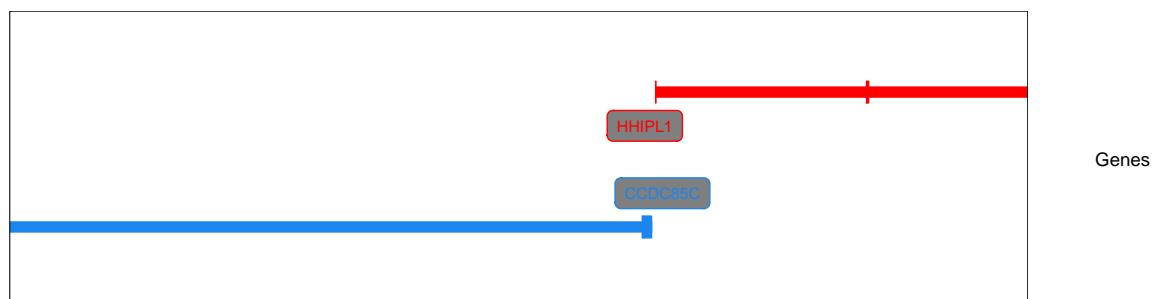
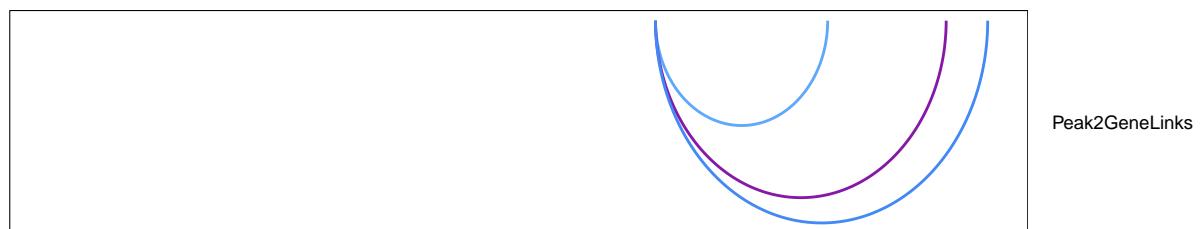


161750000 161775000 161800000 161825000

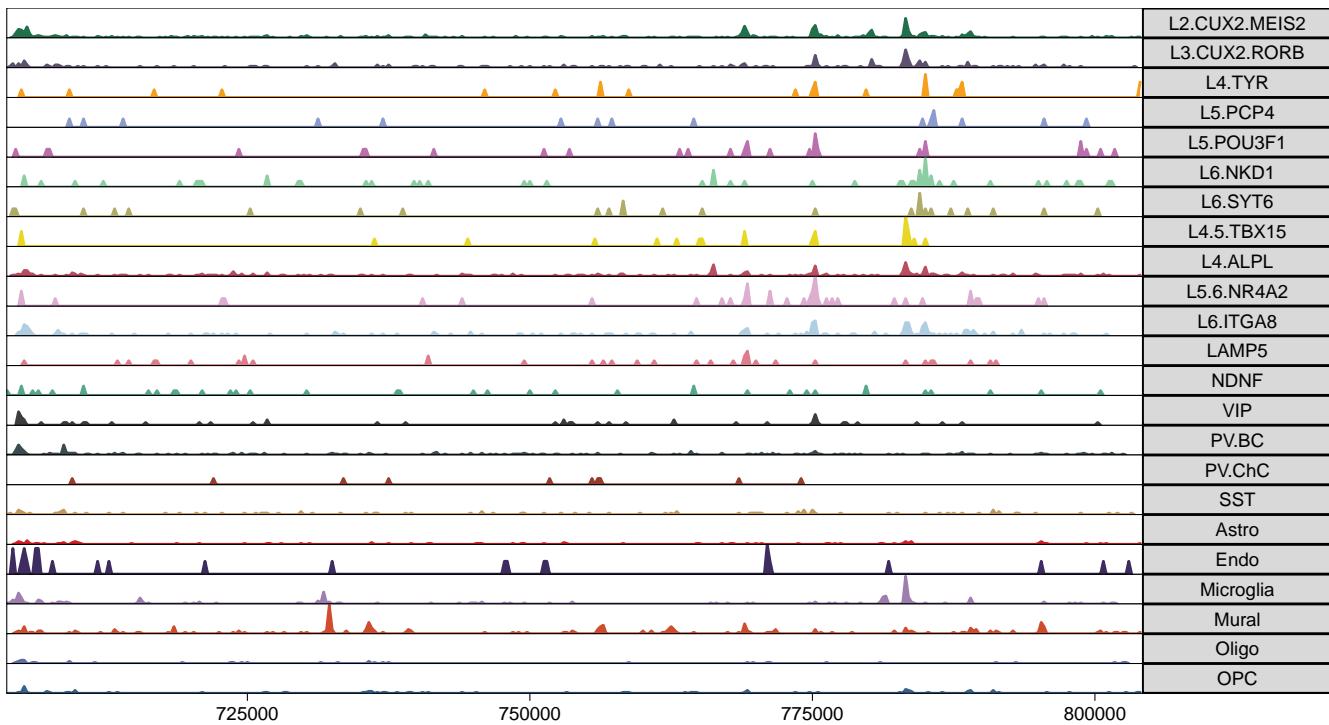


value

0.8
0.6
0.4
0.2



chr16:703706–804207 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.91) by ReadstTSS)

725000 750000 775000 800000

VIP

Peaks

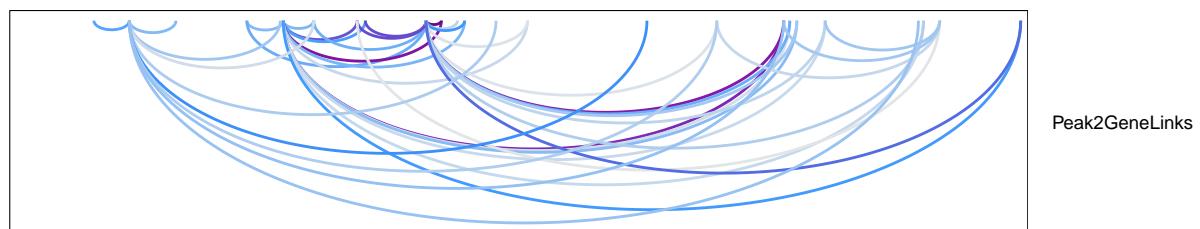
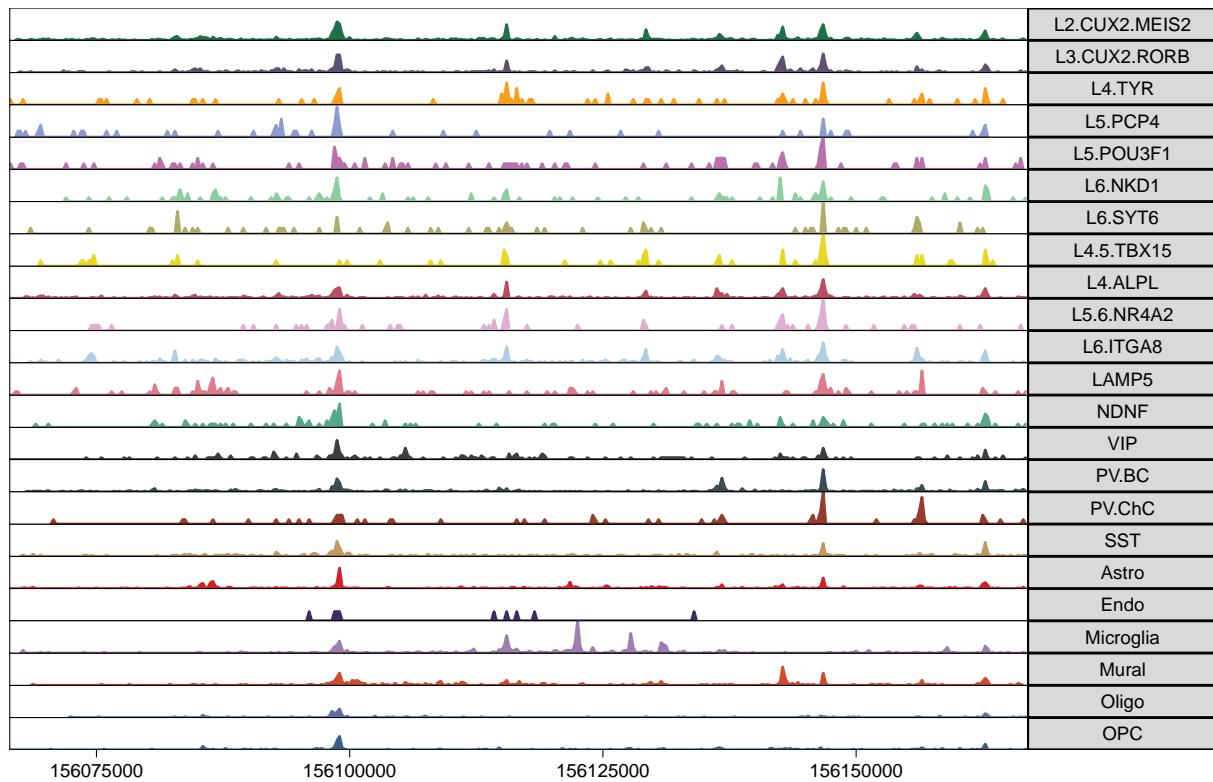
LoopTrack

GeneTrack

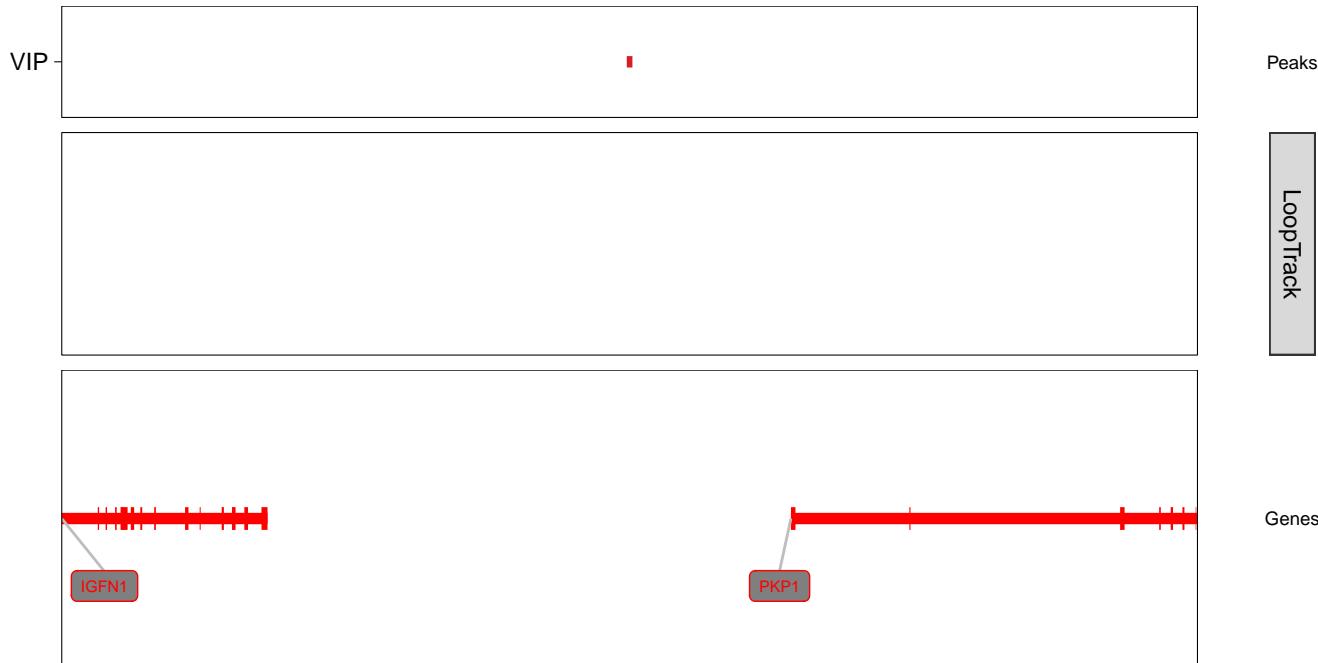
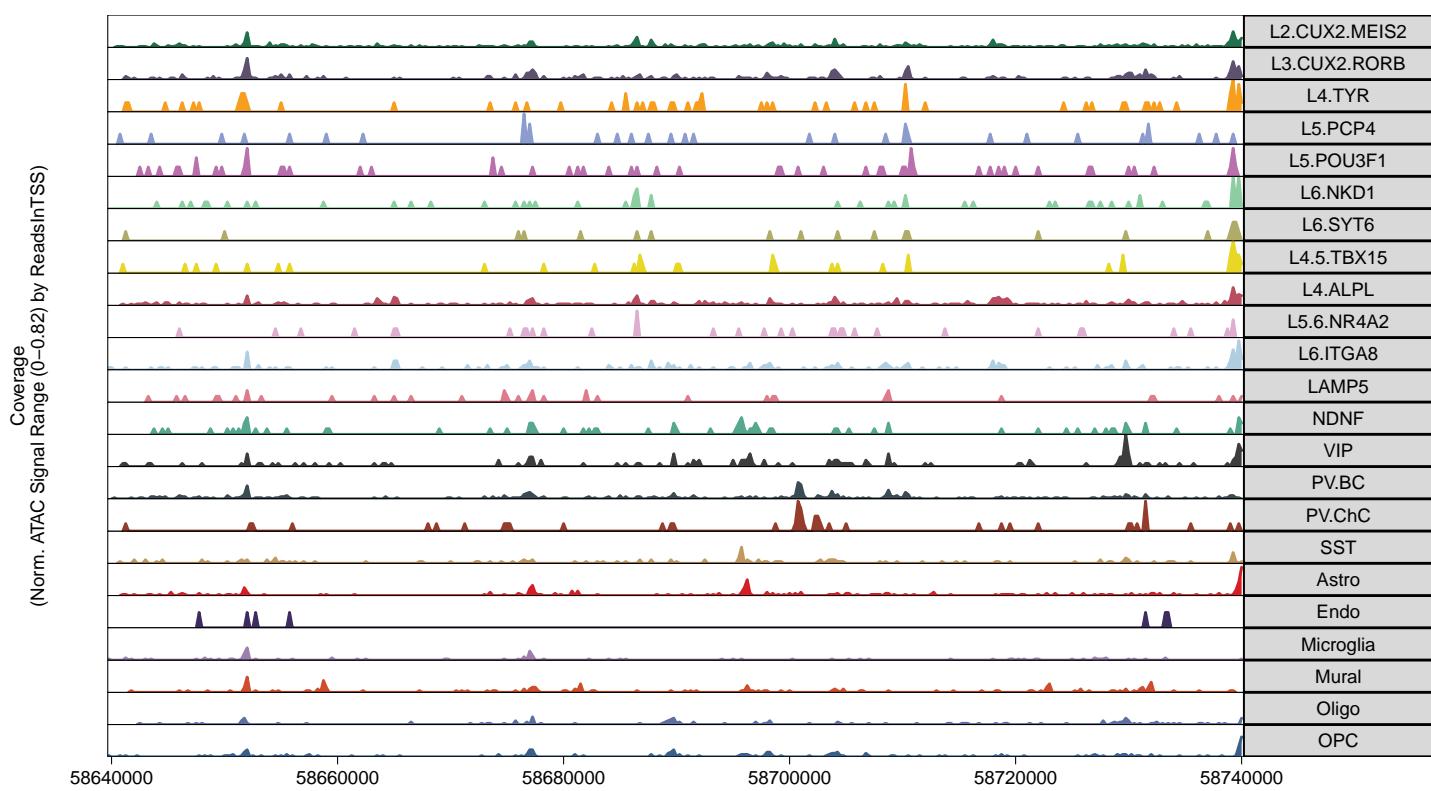
strand ● •

chr7:156066440–156166941 Marker Peak Tracks for: VIP

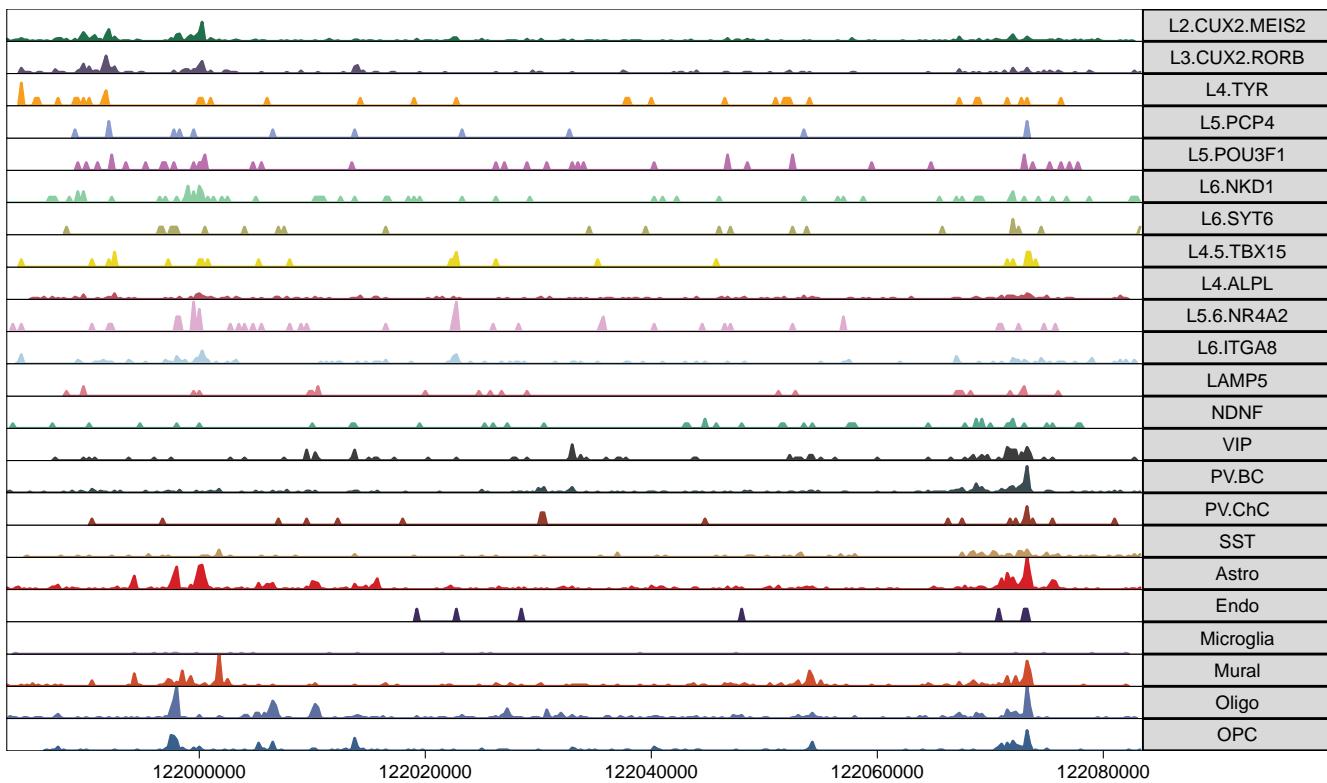
Coverage
(Norm. ATAC Signal Range (0–1.37) by ReadsInTSS)



chr1:58639661–58740162 Marker Peak Tracks for: VIP



chr9:121982961–122083462 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.99) by ReadInTSS)

VIP

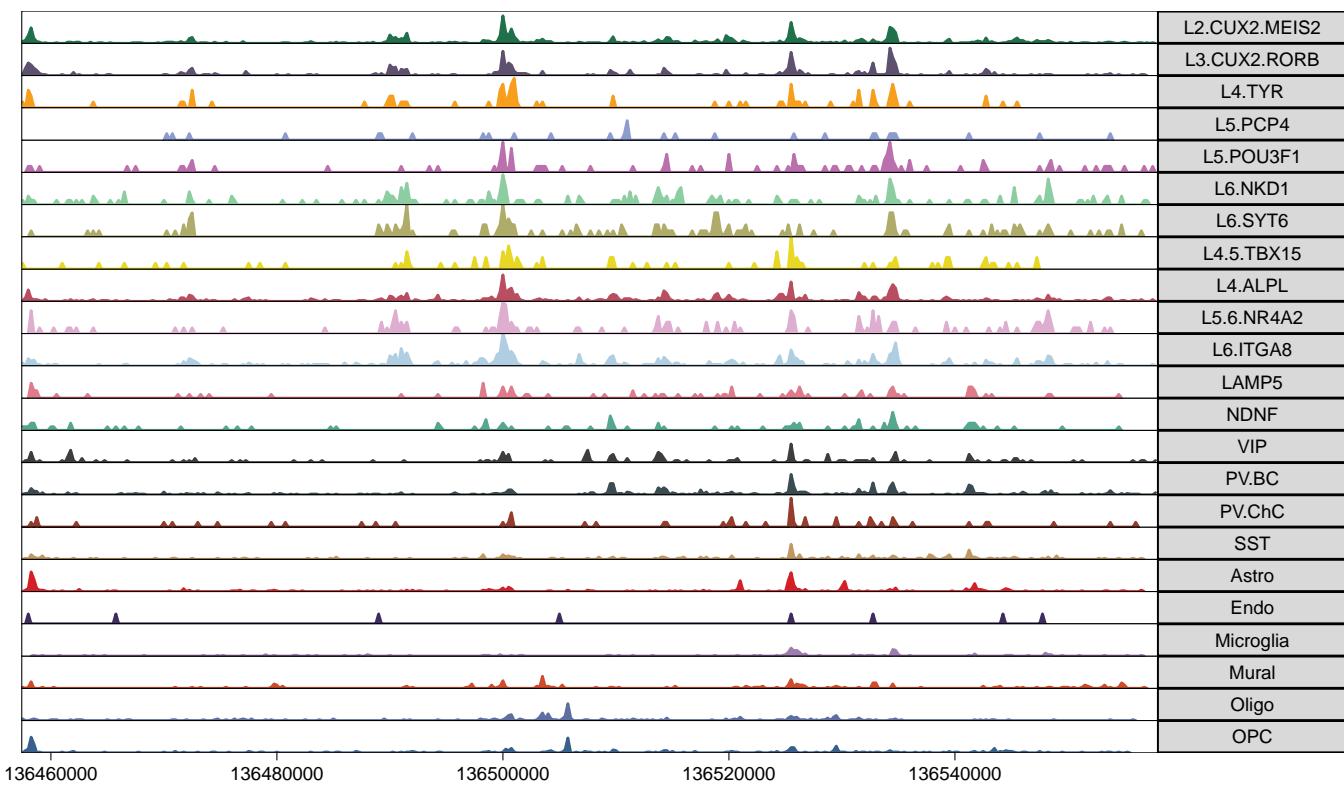
Peaks

LoopTrack

FGFR2

Genes

chr6:136457420–136557921 Marker Peak Tracks for: VIP

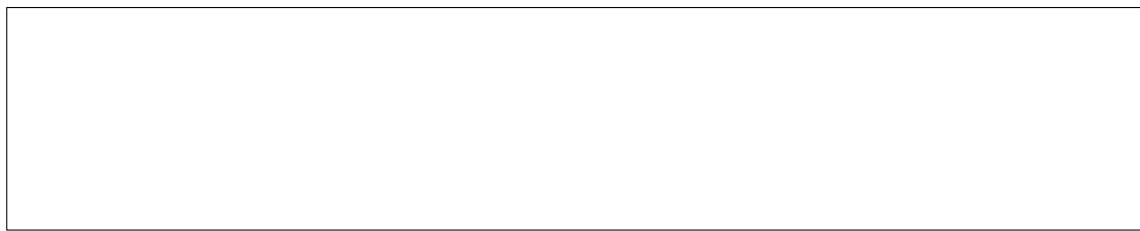
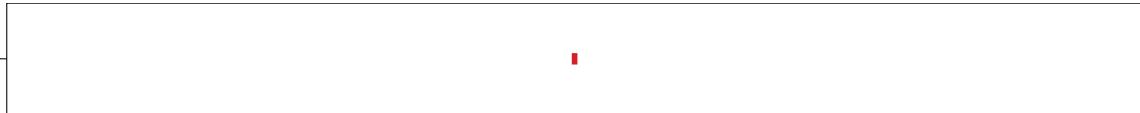
Coverage
(Norm. ATAC Signal Range (0–1.28) by ReadsInTSS)

VIP

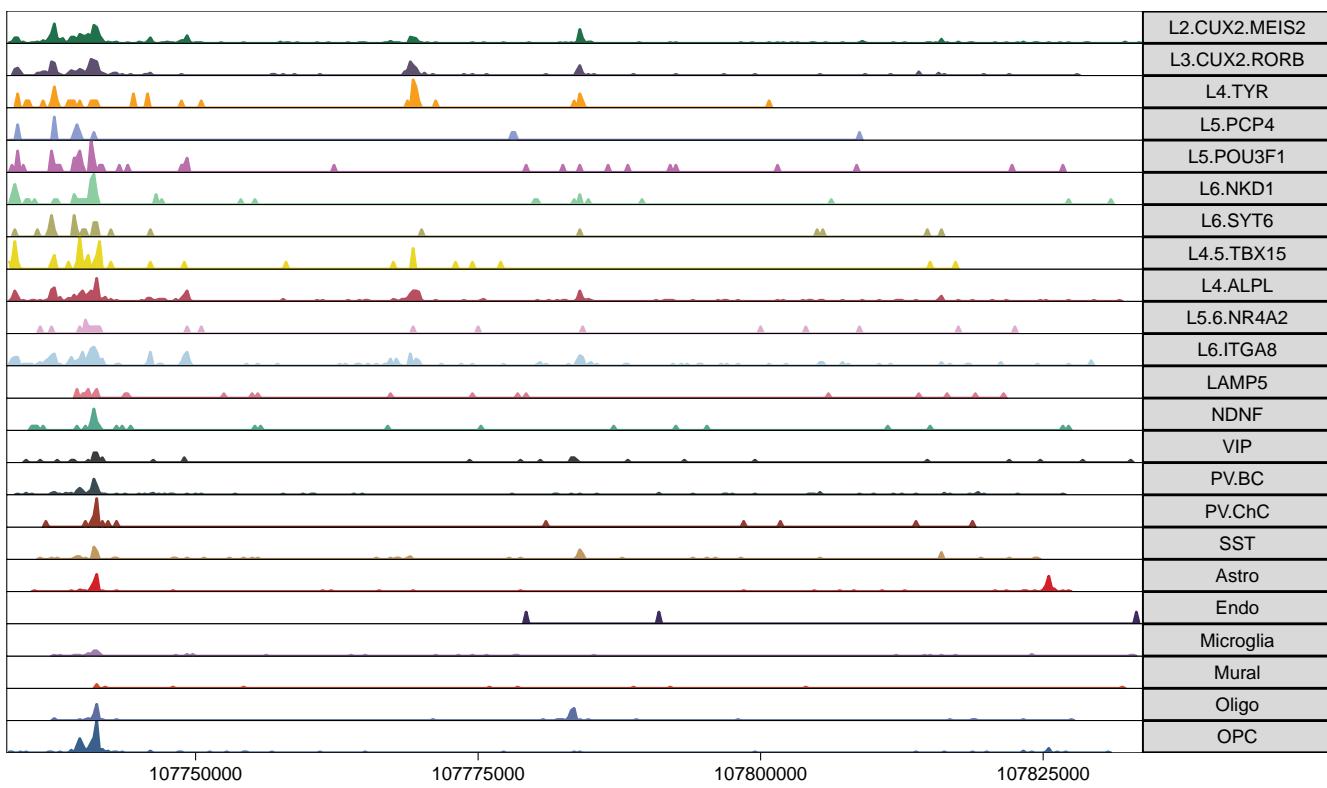
Peaks

LoopTrack

Genes



chr9:107733287–107833788 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.08) by ReadsInTSS)

107750000 107775000 107800000 107825000

VIP

Peaks

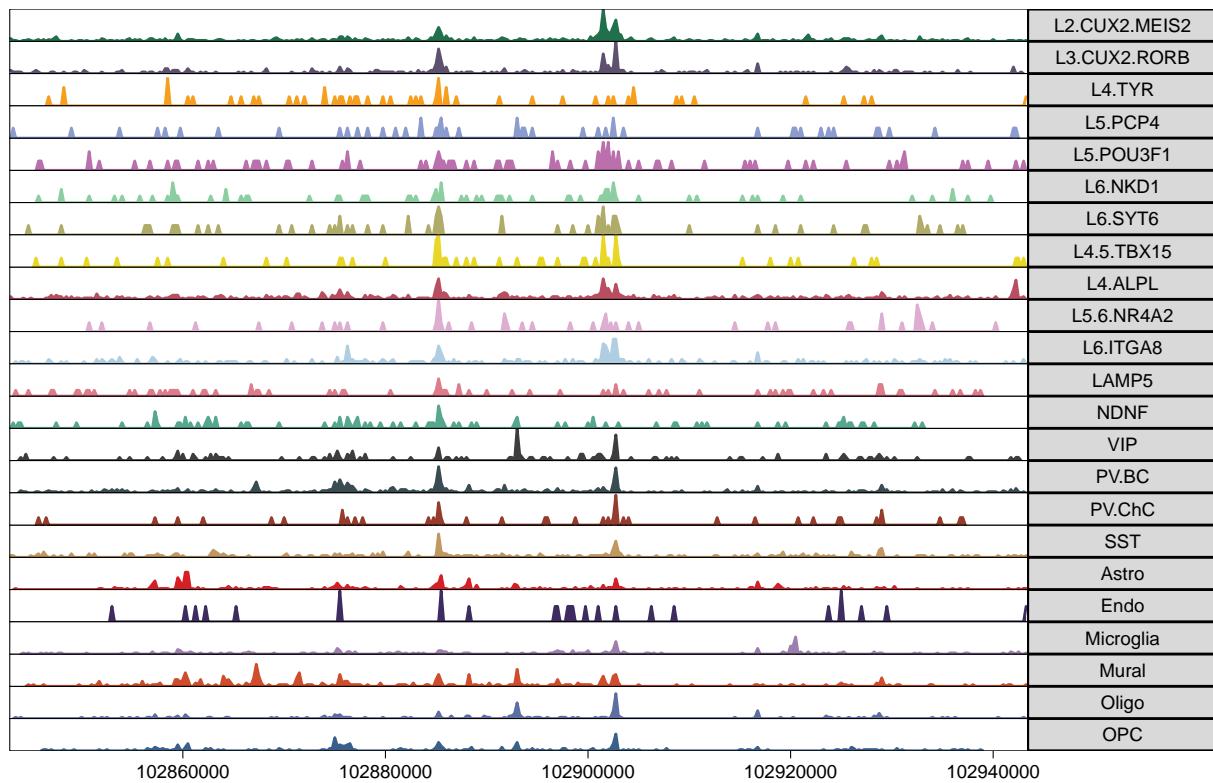
LoopTrack

SORC3

Genes

chr2:102842909–102943410 Marker Peak Tracks for: VIP

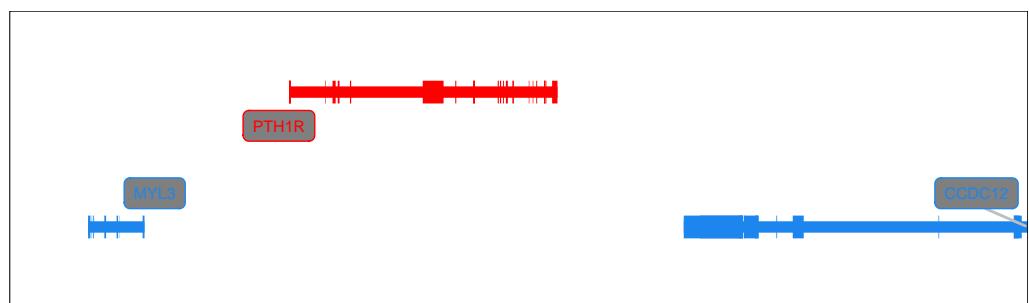
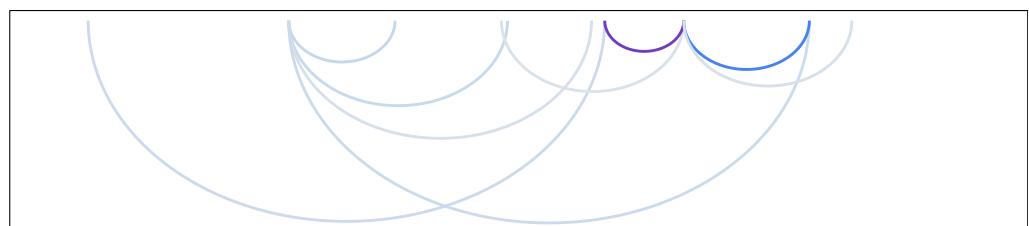
Coverage
(Norm. ATAC Signal Range (0–0.82) by ReadsInTSS)



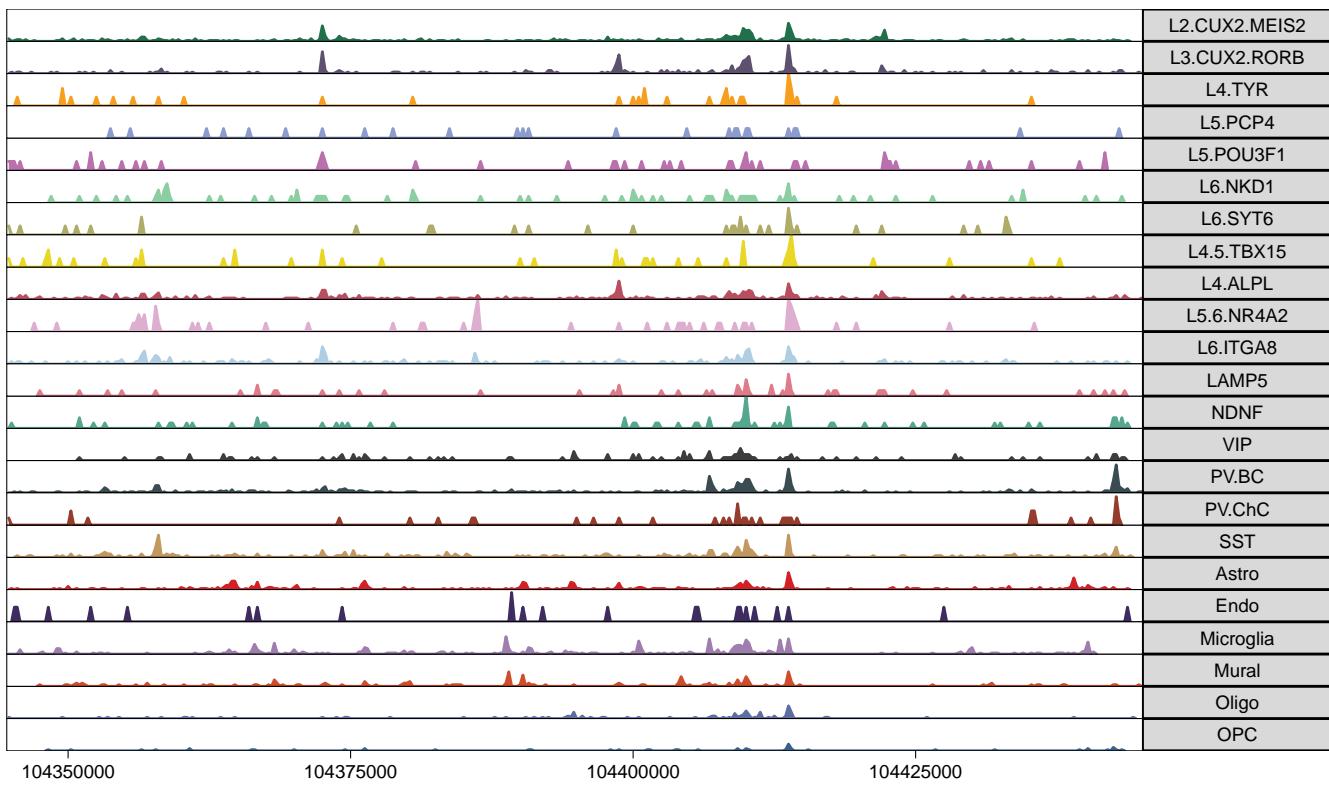
102860000 102880000 102900000 102920000 102940000



Peak2GeneLinks



chr9:104344571–104445072 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.86) by ReadsInTSS)

104350000 104375000 104400000 104425000

VIP

Peaks

LoopTrack

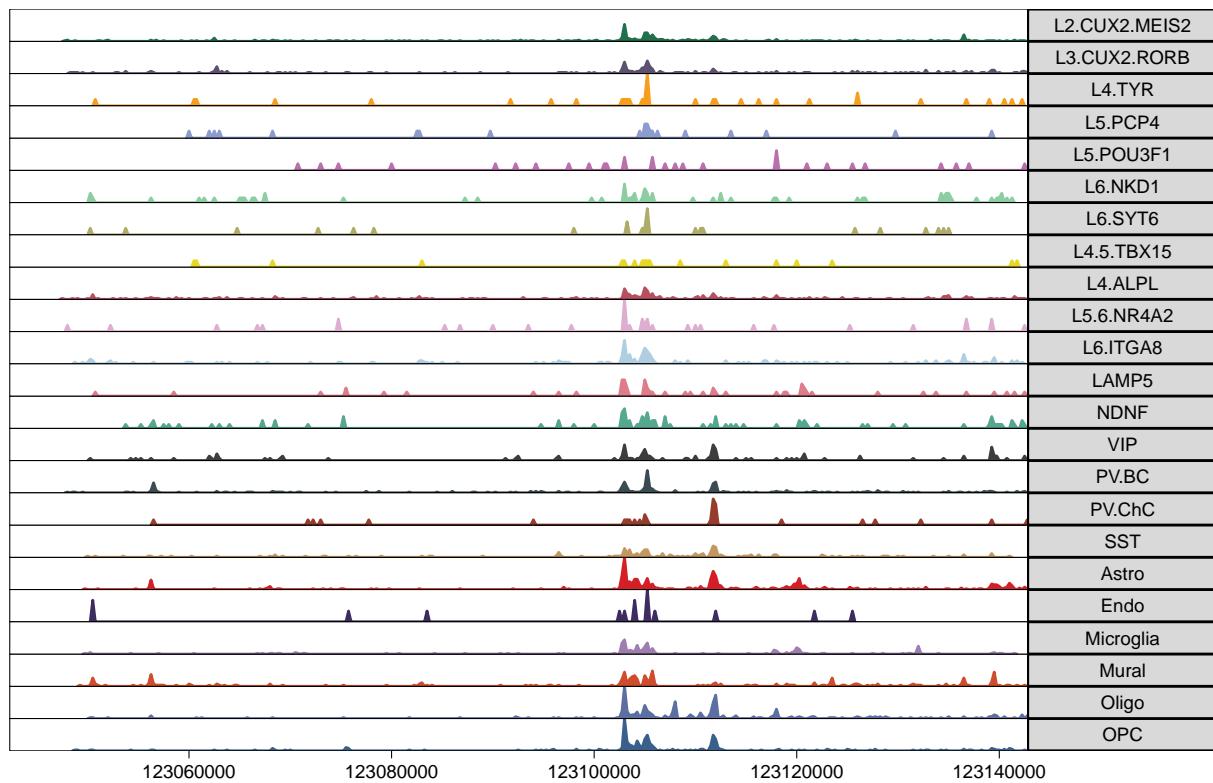
SH3PXD2A

STN1

Genes

chr8:123042303–123142804 Marker Peak Tracks for: VIP

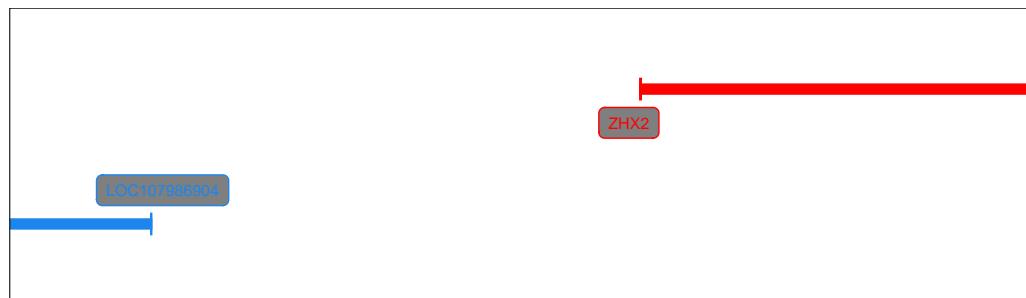
Coverage
(Norm. ATAC Signal Range (0–1.17) by ReadsInTSS)



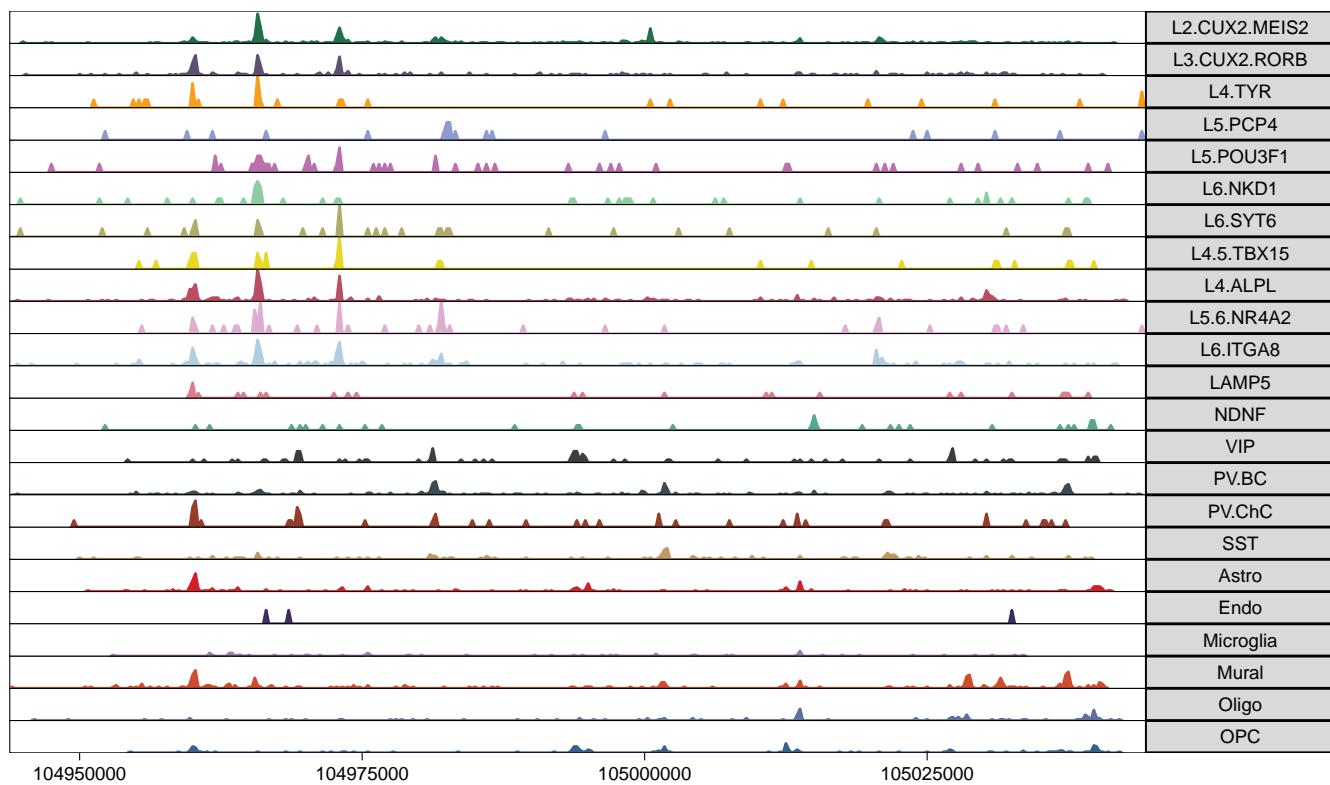
123060000 123080000 123100000 123120000 123140000



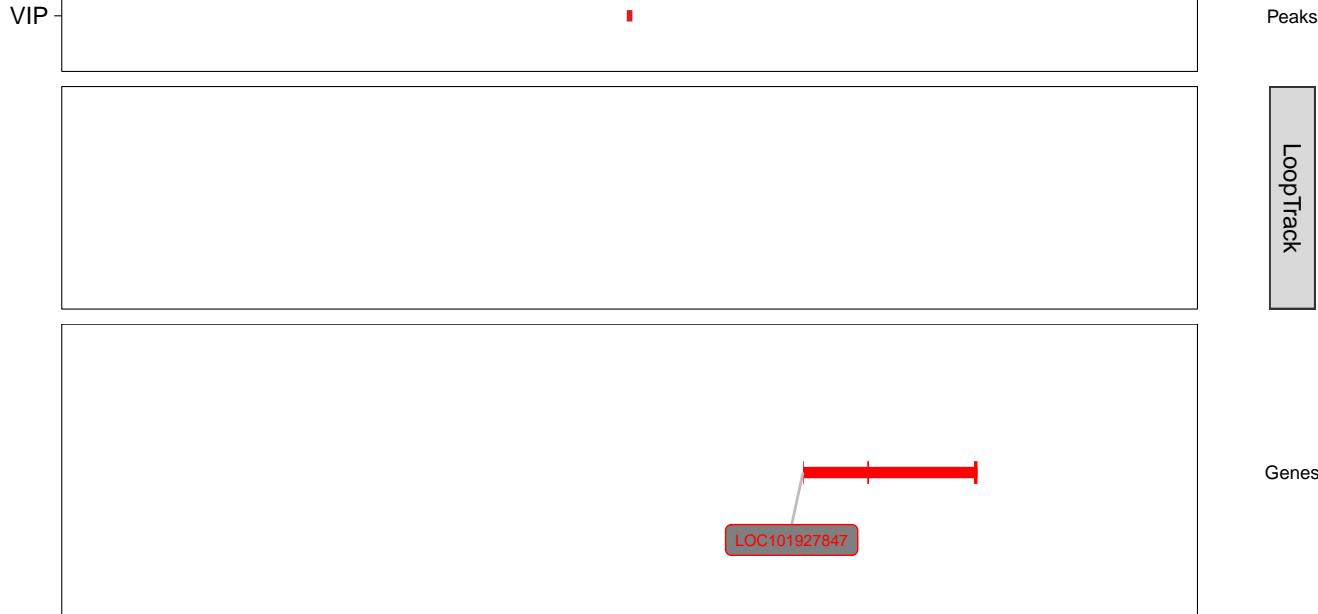
Peak2GeneLinks



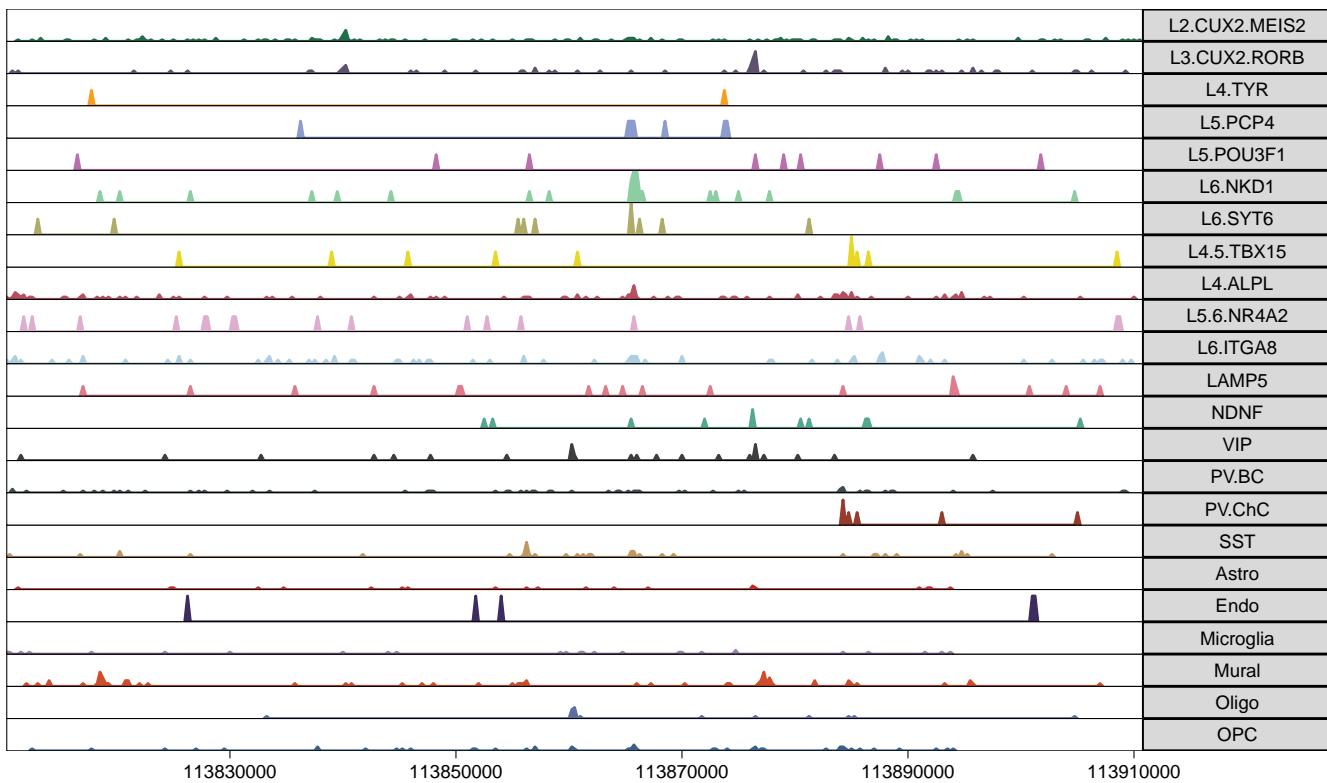
chr15:104943815–105044316 Marker Peak Tracks for: VIP

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

104950000 104975000 105000000 105025000



chr12:113810249–113910750 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.49) by ReadInTSS)

113830000 113850000 113870000 113890000 113910000

VIP

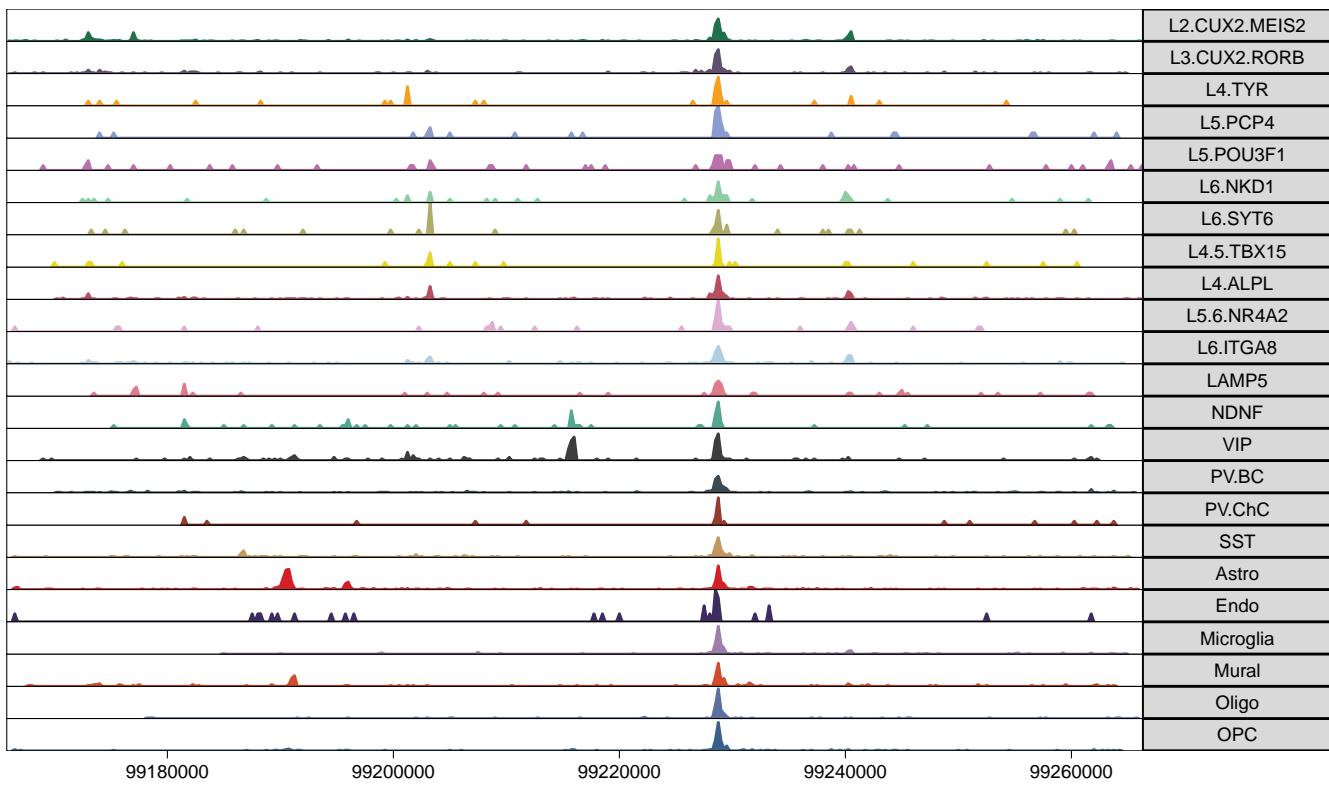
Peaks

LoopTrack

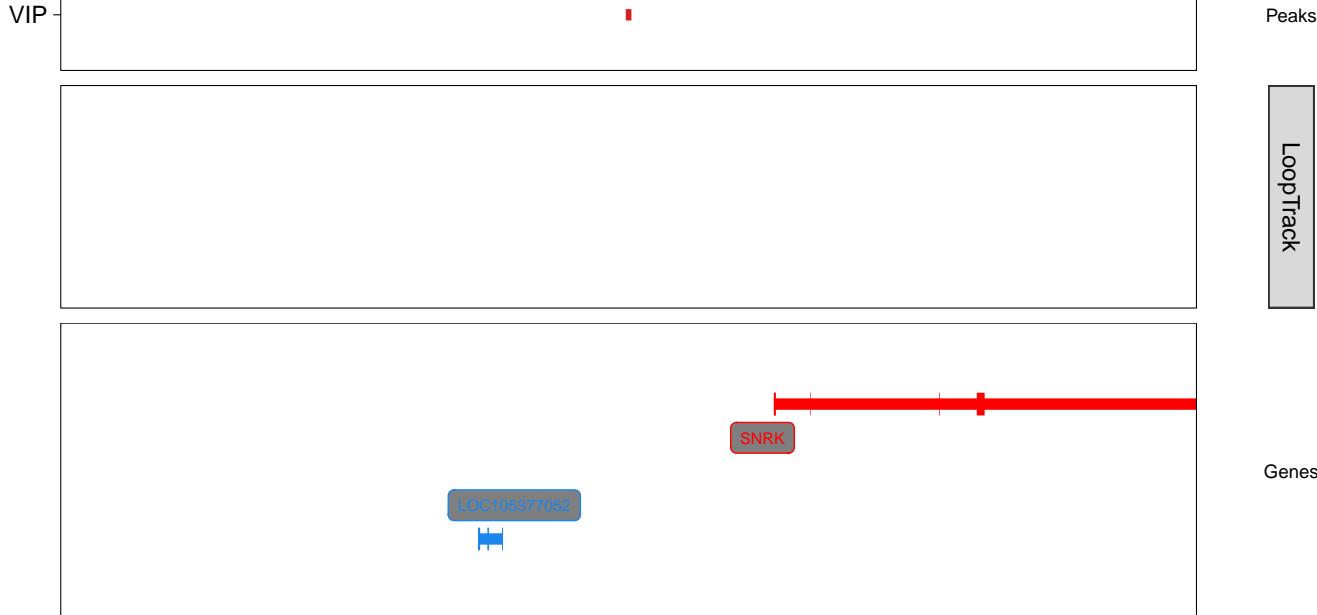
LOC105373915

Genes

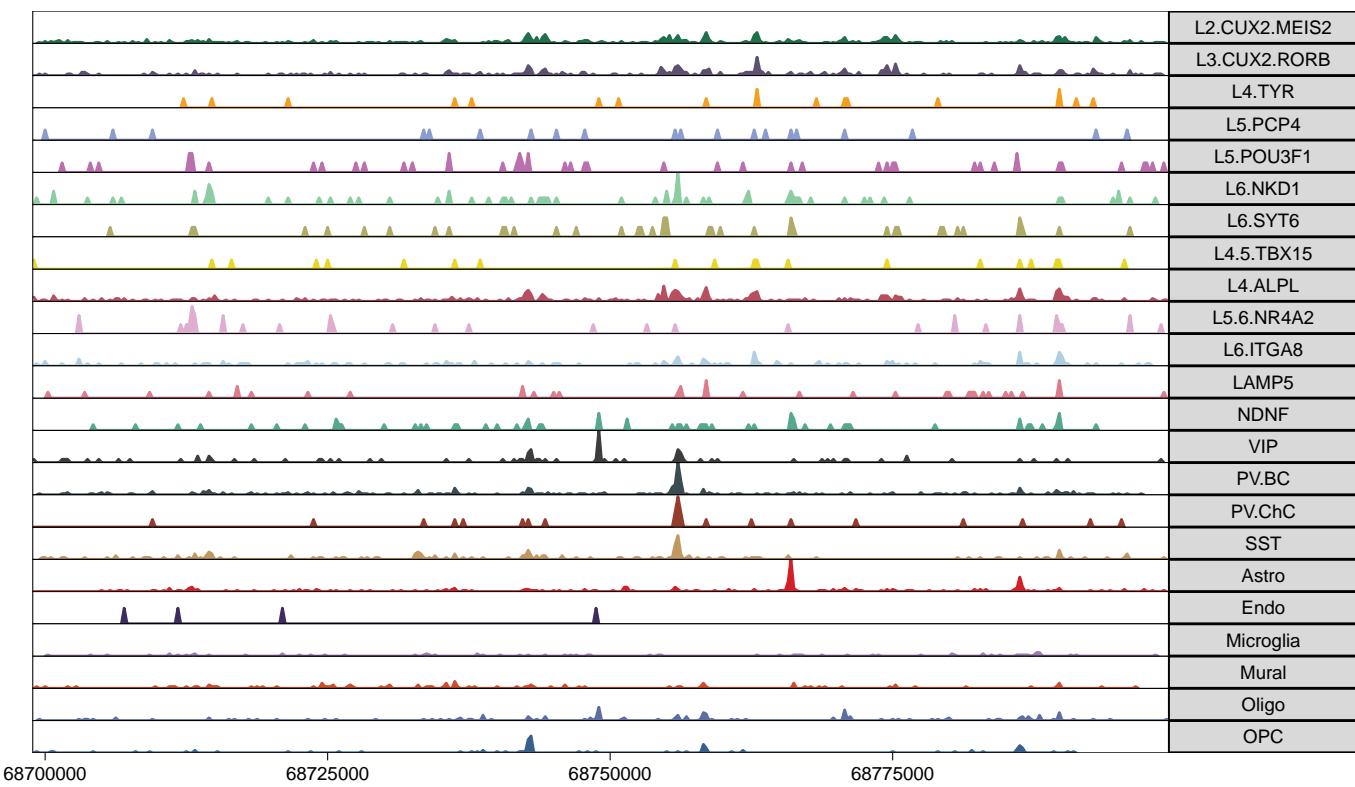
chr2:99165785–99266286 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.5) by ReadsInTSS)

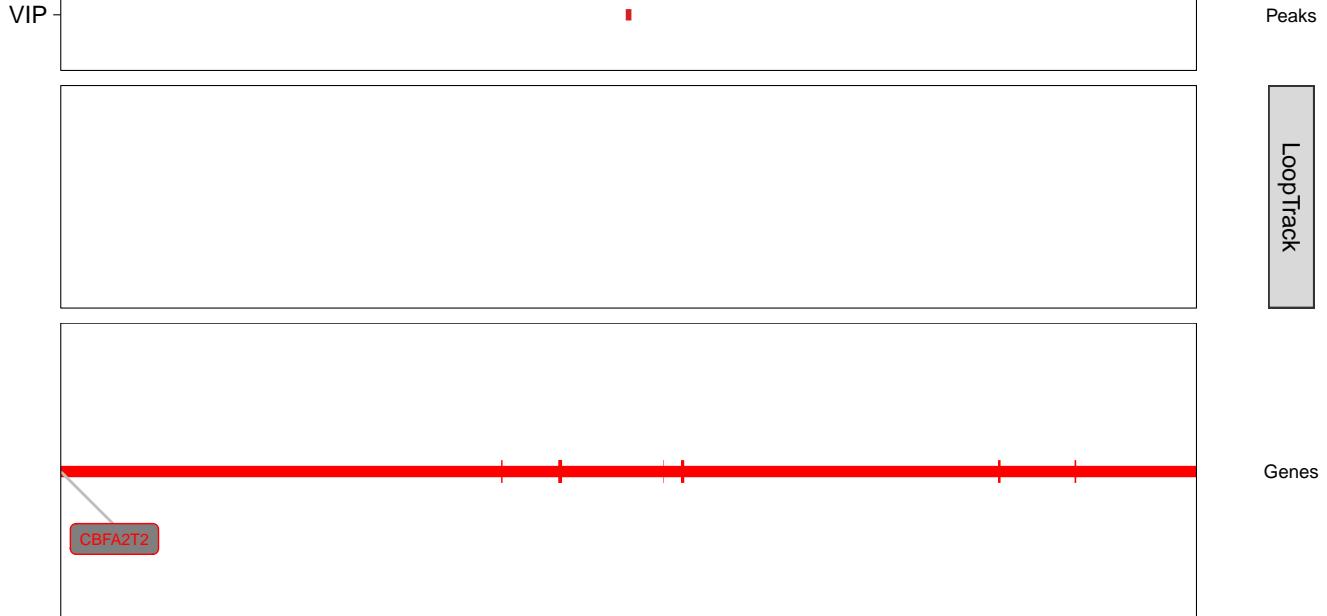
99180000 99200000 99220000 99240000 99260000



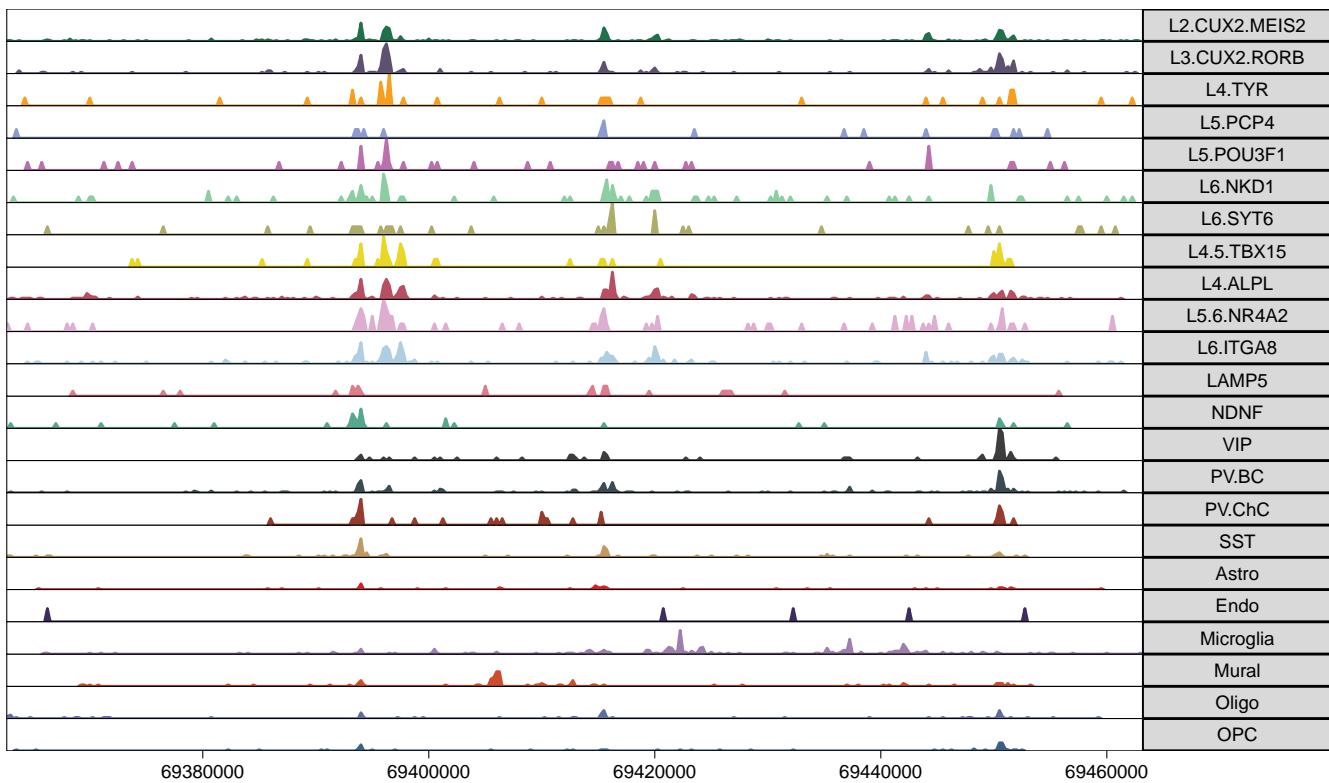
chr10:68698904–68799405 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.81) by ReadsInTSS)

68700000 68725000 68750000 68775000



chr11:69362653–69463154 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.95) by ReadsInTSS)

69380000 69400000 69420000 69440000 69460000

VIP

Peaks

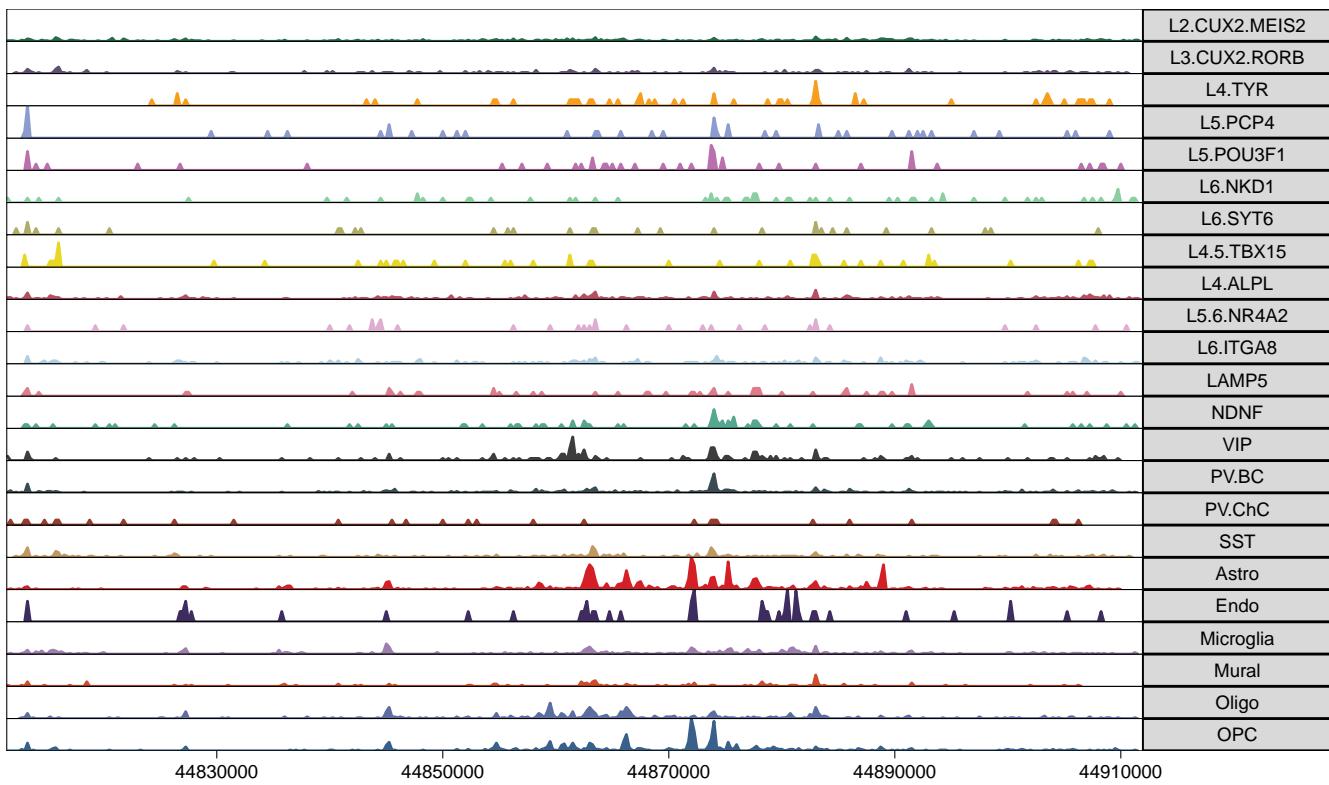
LoopTrack

Genes

MYRFL

chr20:44811413–44911914 Marker Peak Tracks for: VIP

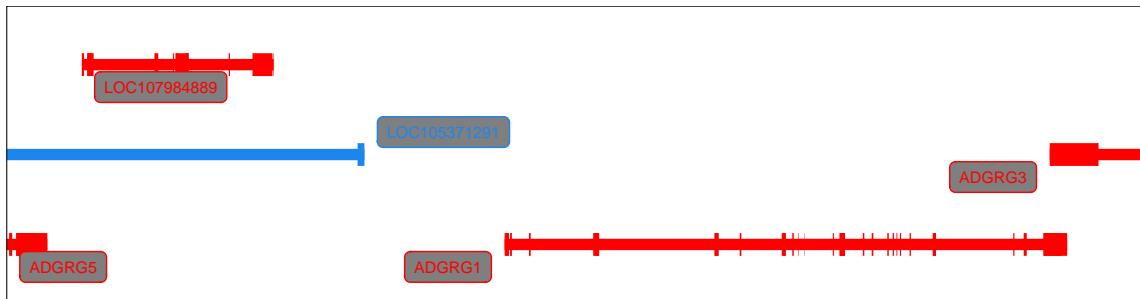
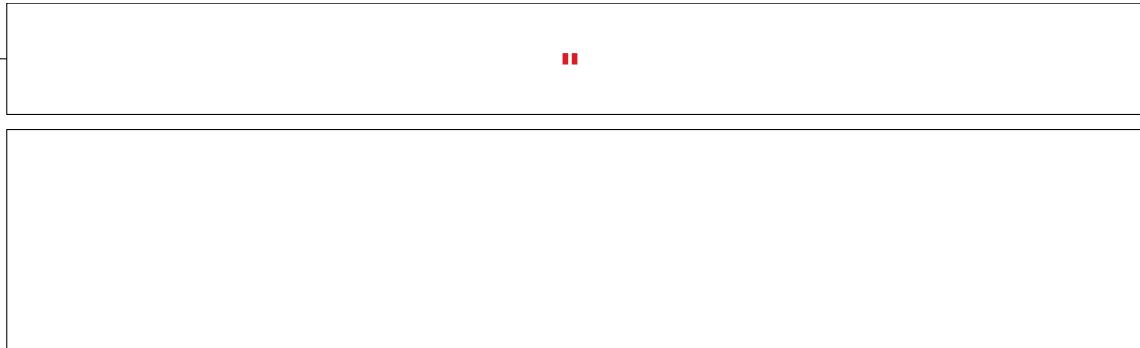
Coverage (Norm. ATAC Signal Range (0–1.22) by ReadsInTSS)



VIP

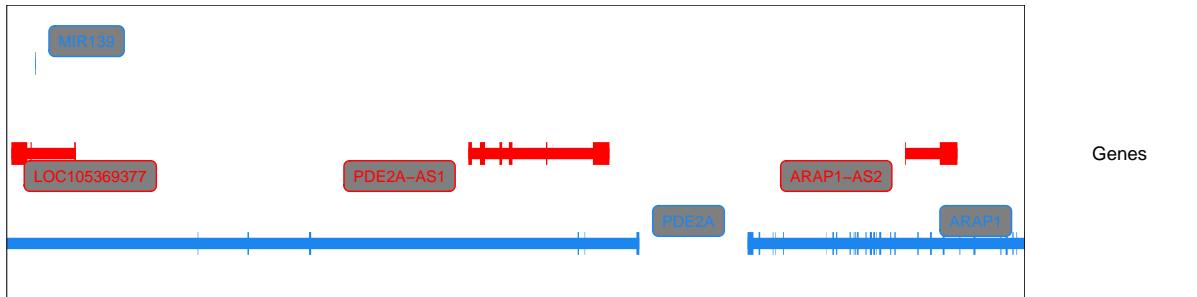
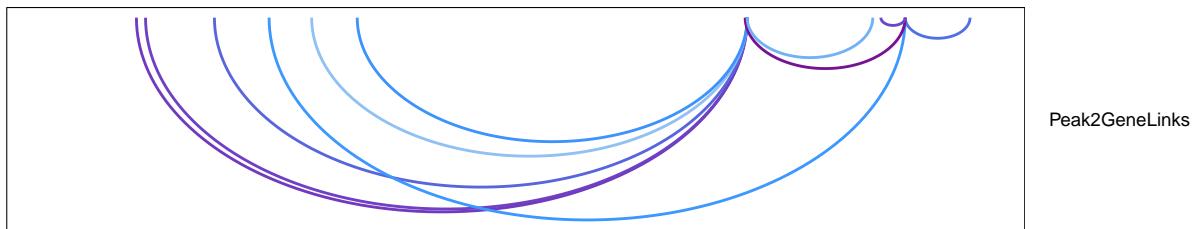
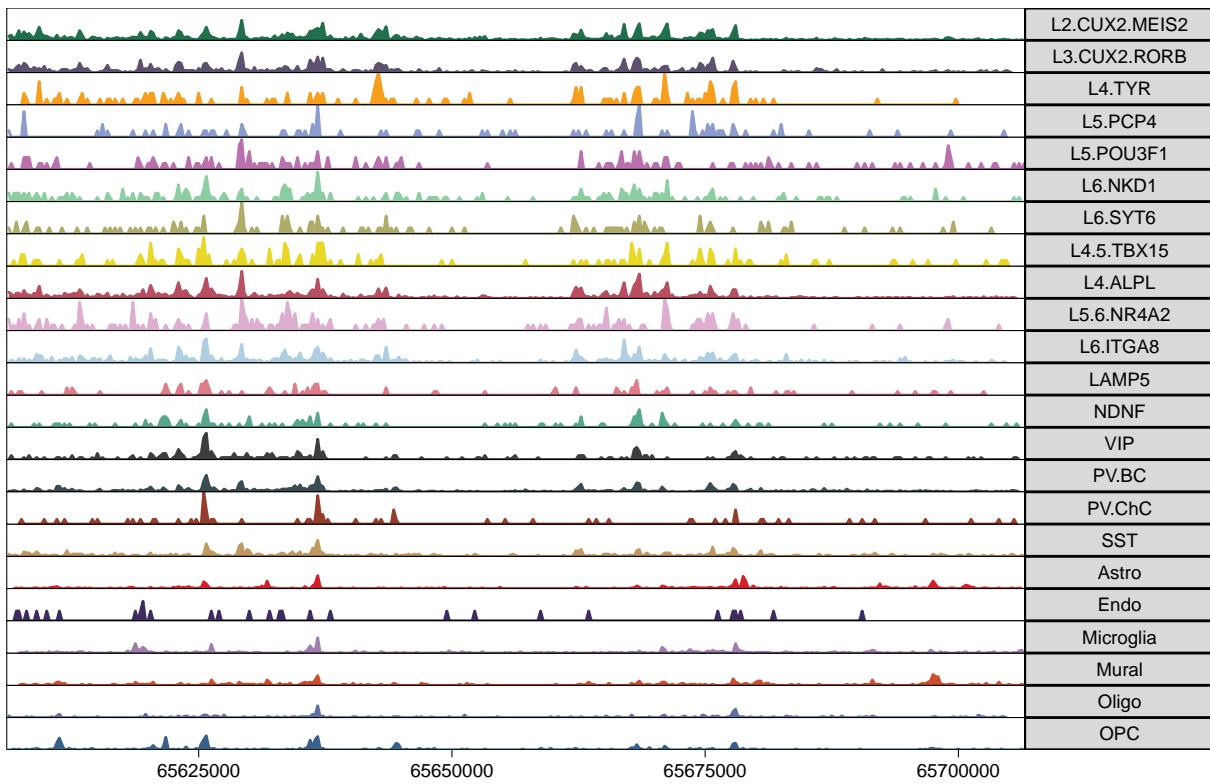
Peaks

LoopTrack



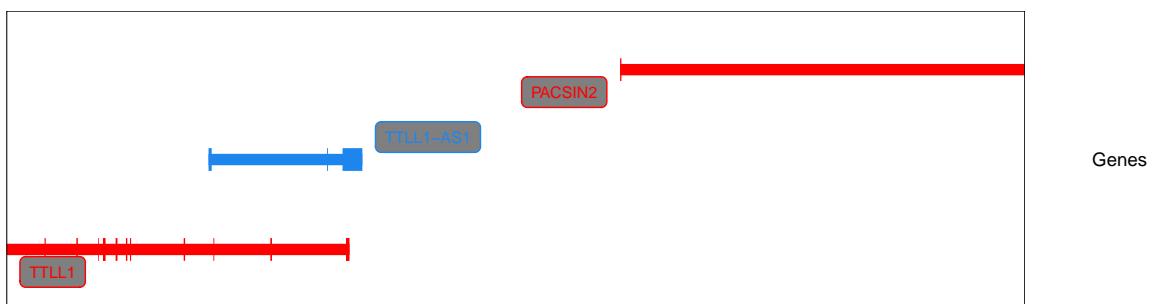
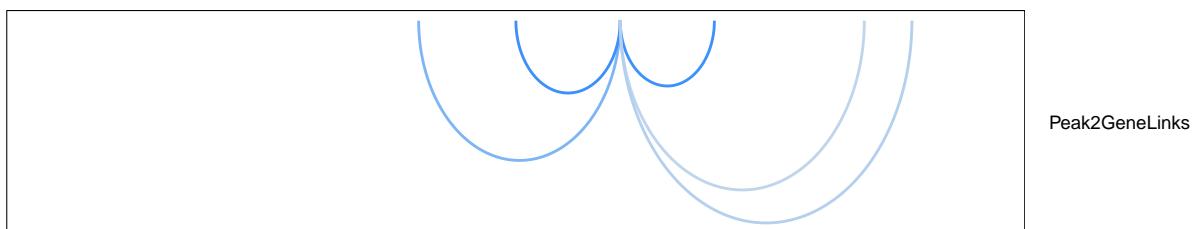
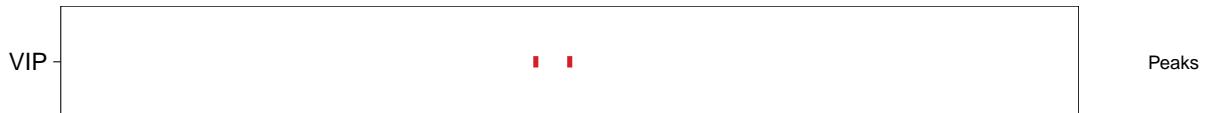
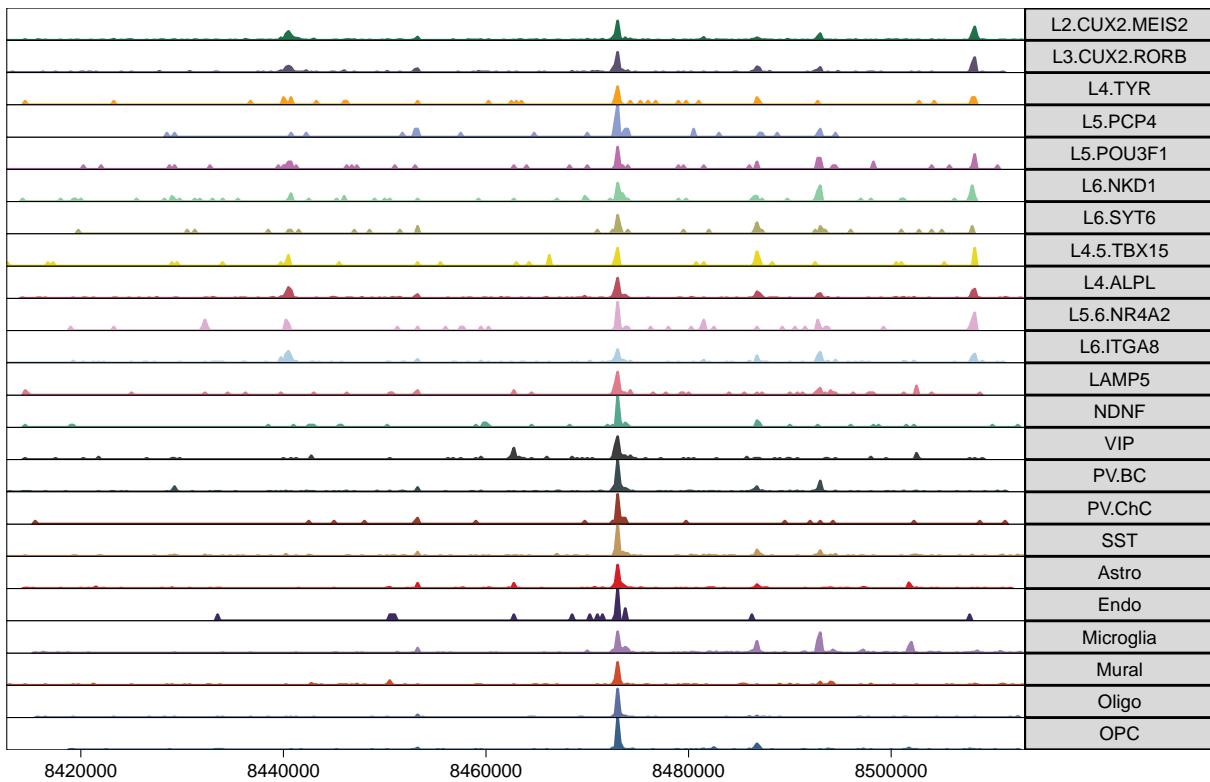
chr14:65606048–65706549 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.29) by ReadsInTSS)



chr10:8412685–8513186 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–2.06) by ReadsInTSS)



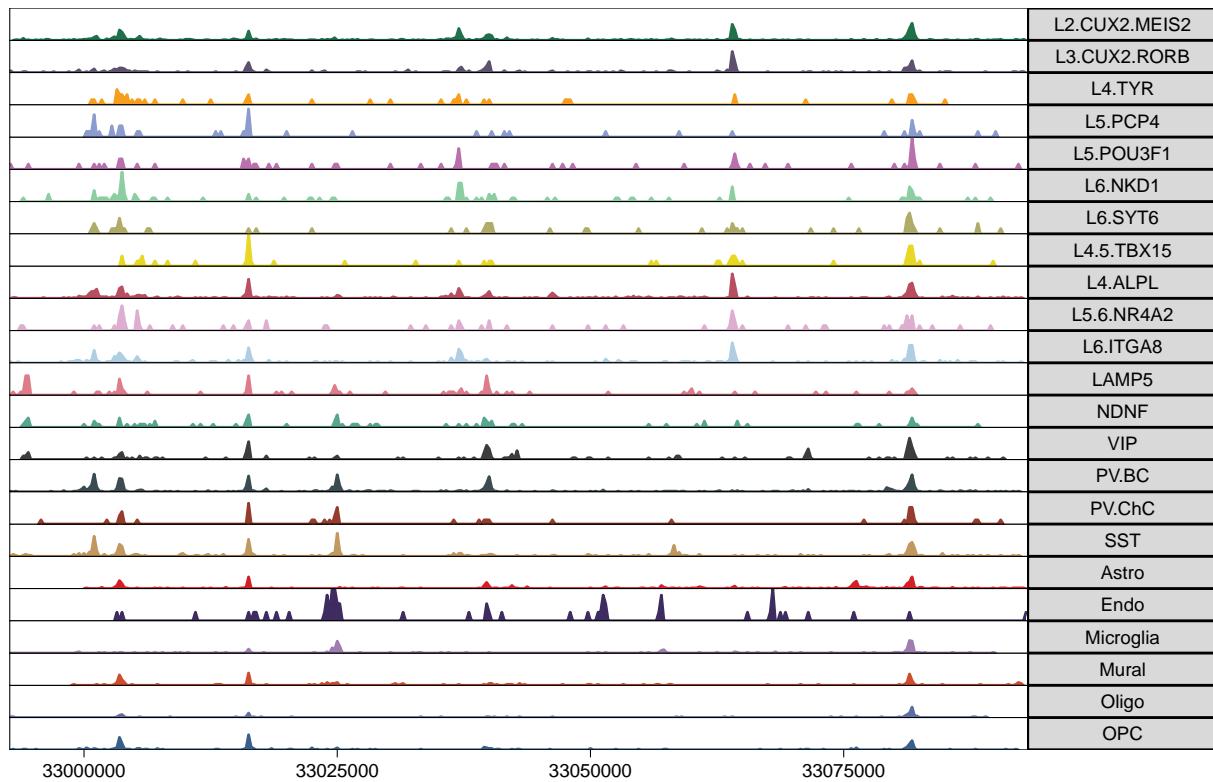
TTLL1

PACSIN2

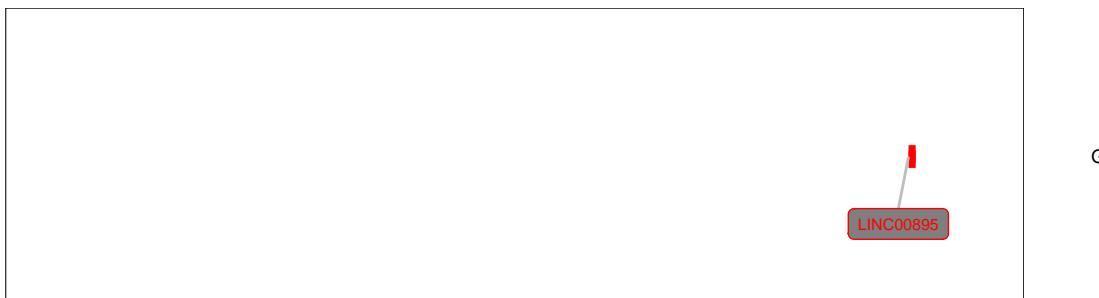
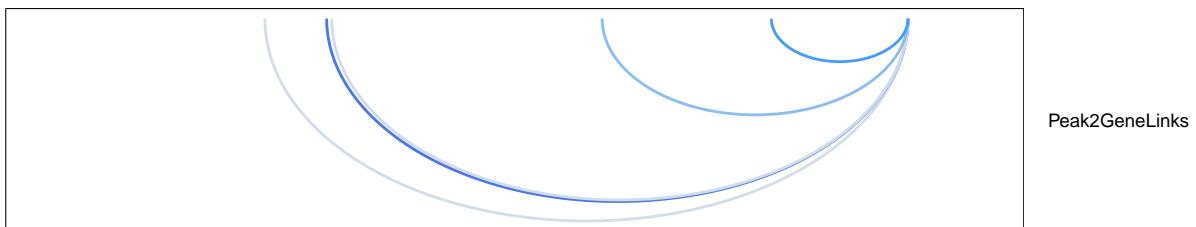
TTLL1-AS1

chr10:32992667–33093168 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.47) by ReadsInTSS)

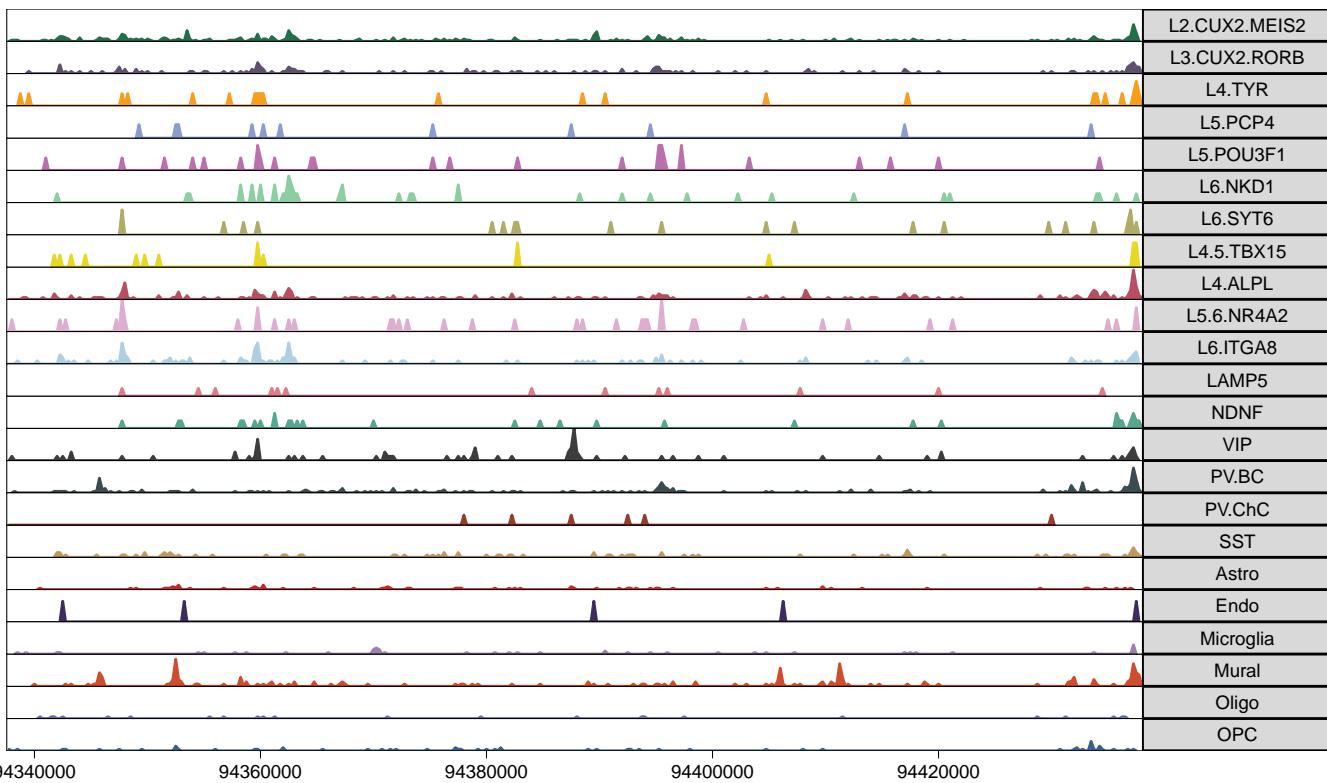


33000000 33025000 33050000 33075000



LINC00895

chr8:94337546–94438047 Marker Peak Tracks for: VIP

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

VIP

Peaks

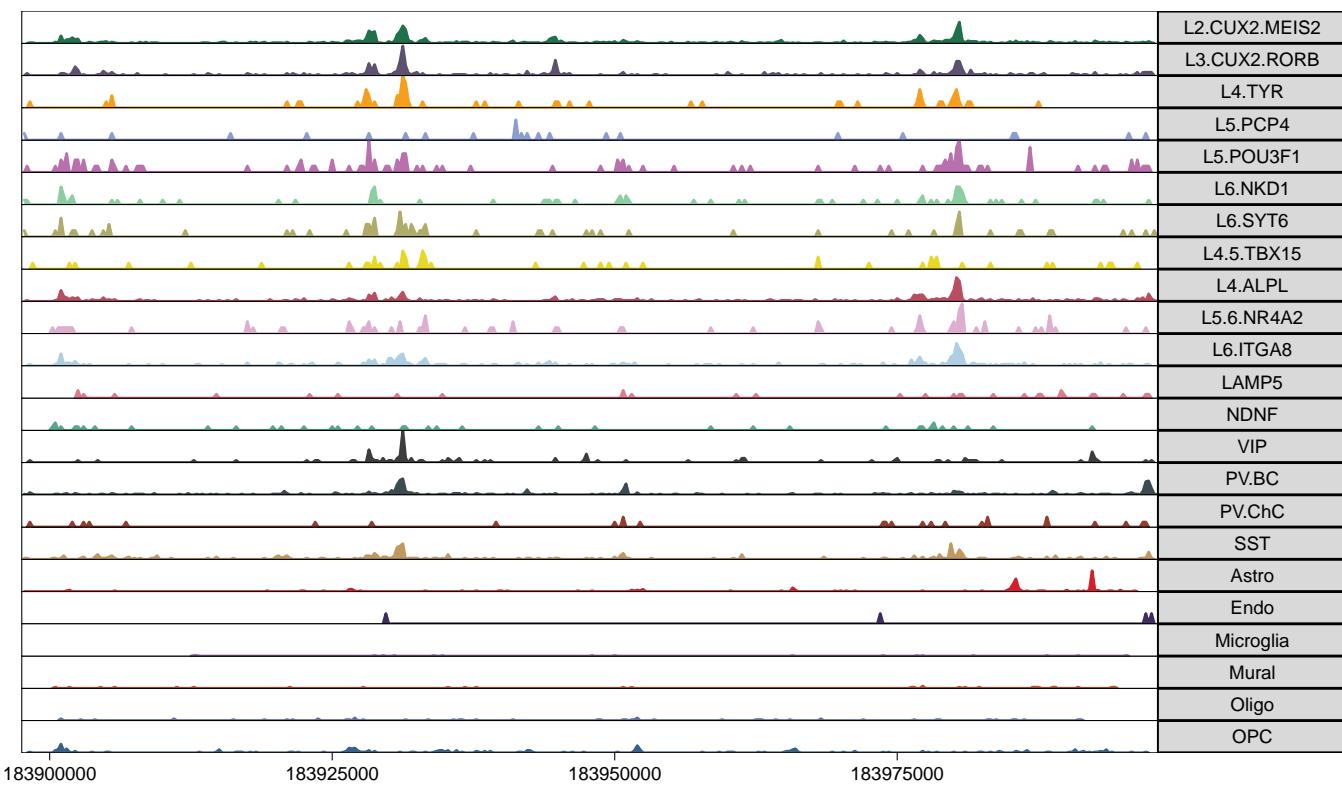
LoopTrack

LOC105379231

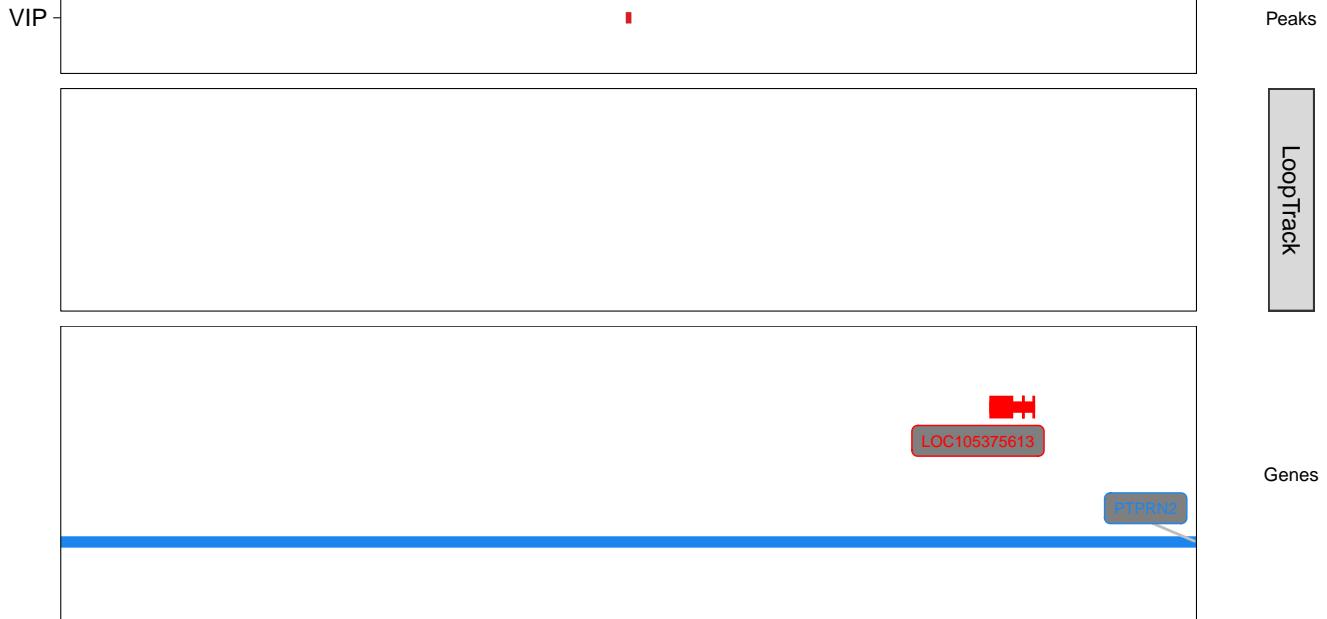
Genes

chr3:183897527–183998028 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.23) by ReadsInTSS)

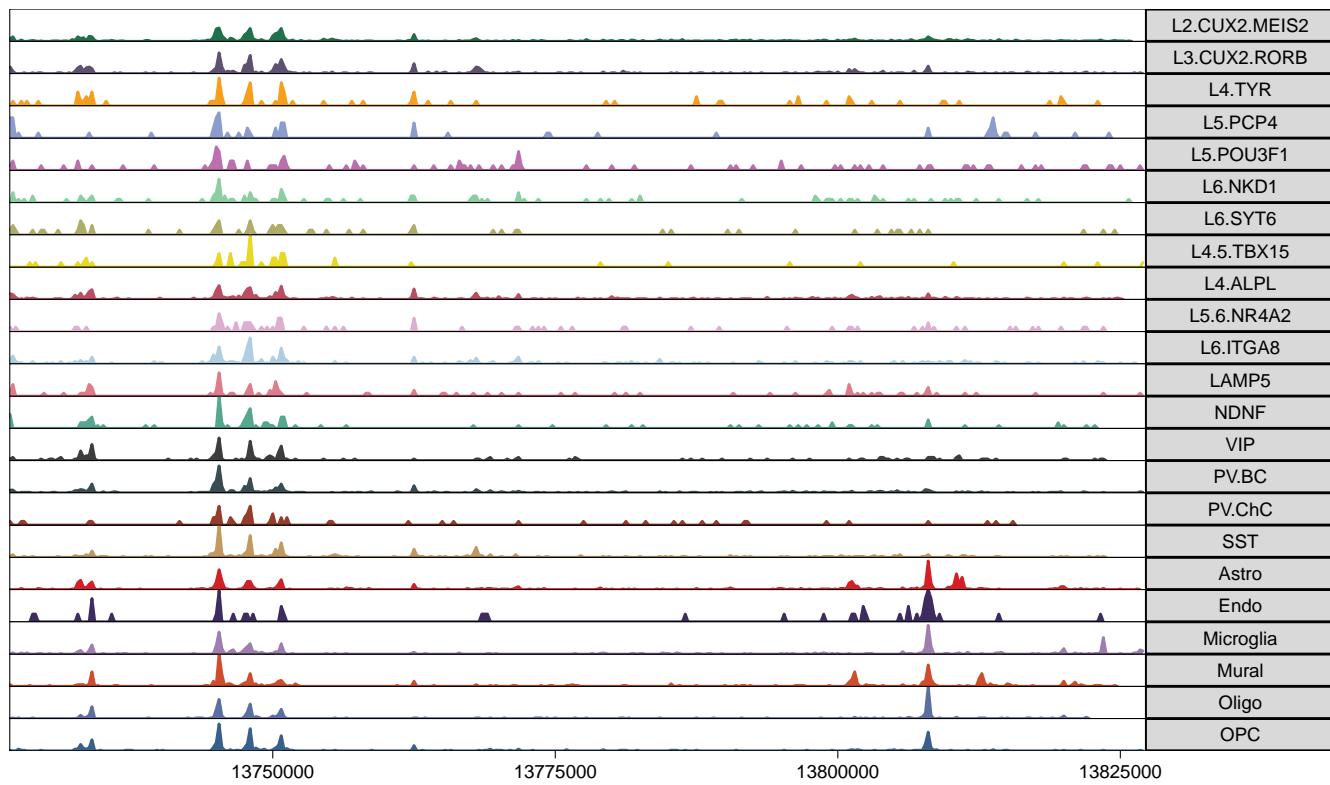


183900000 183925000 183950000 183975000

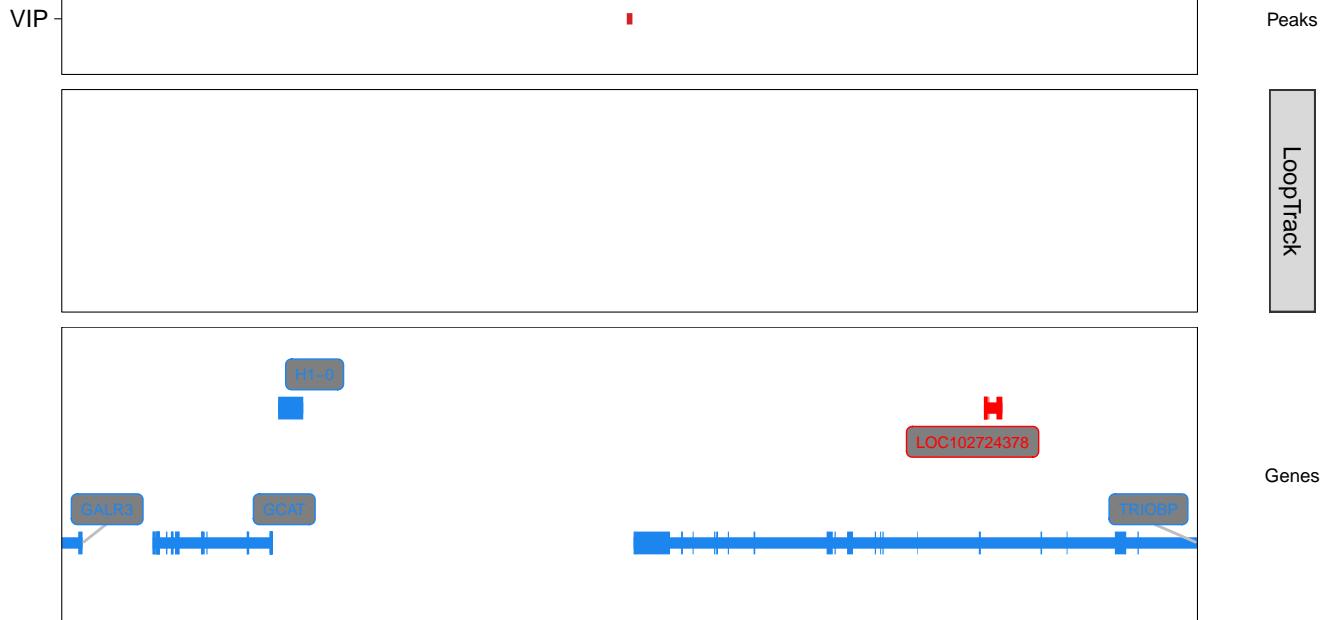


chr10:13726724–13827225 Marker Peak Tracks for: VIP

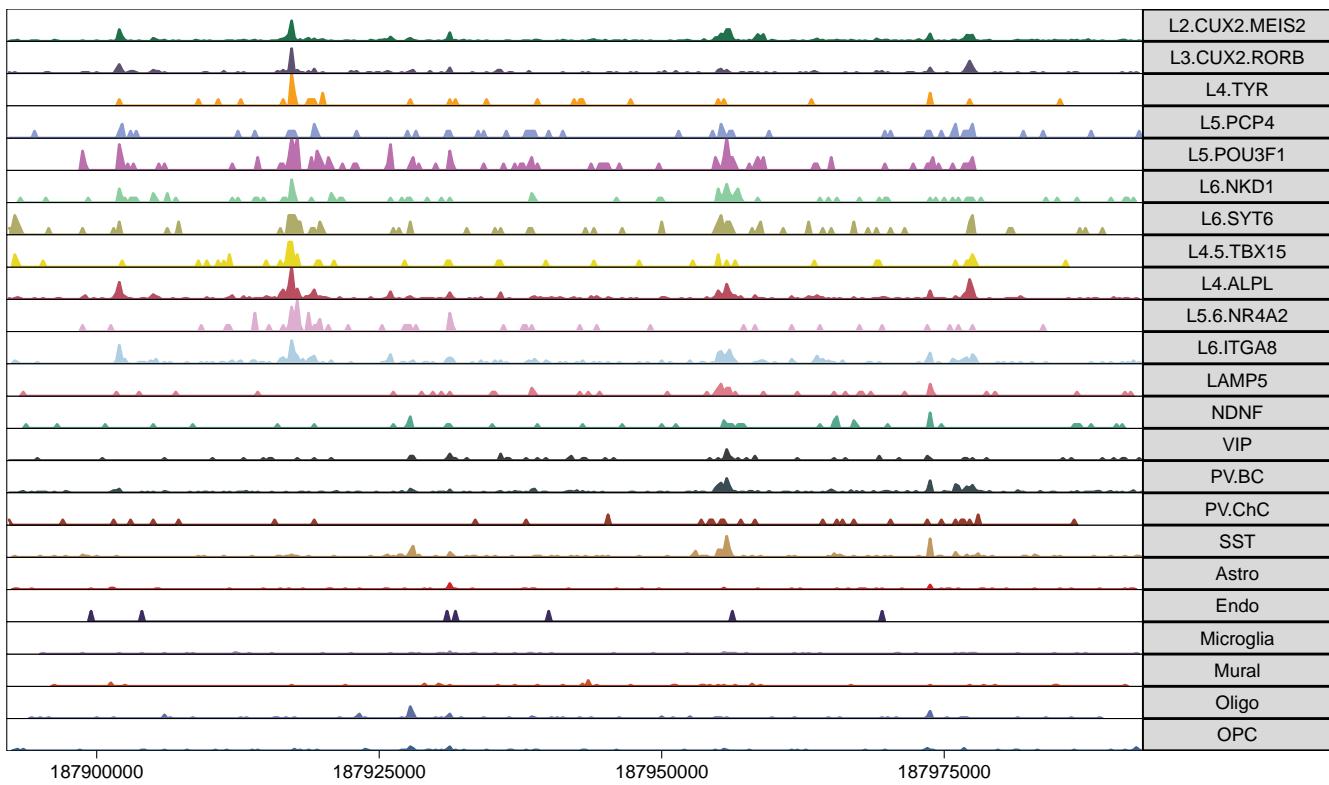
Coverage (Norm. ATAC Signal Range (0–1.63) by ReadsInTSS)



13750000 13775000 13800000 13825000



chr1:187892040–187992541 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.19) by ReadsInTSS)

187900000 187925000 187950000 187975000

VIP

Peaks

LoopTrack

LOC105378648

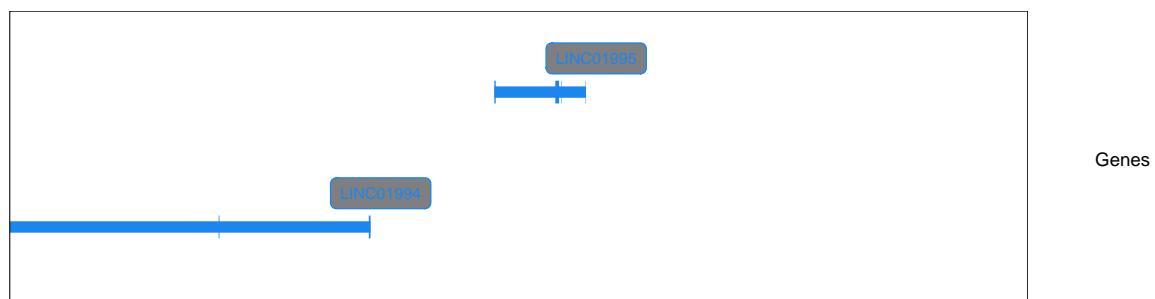
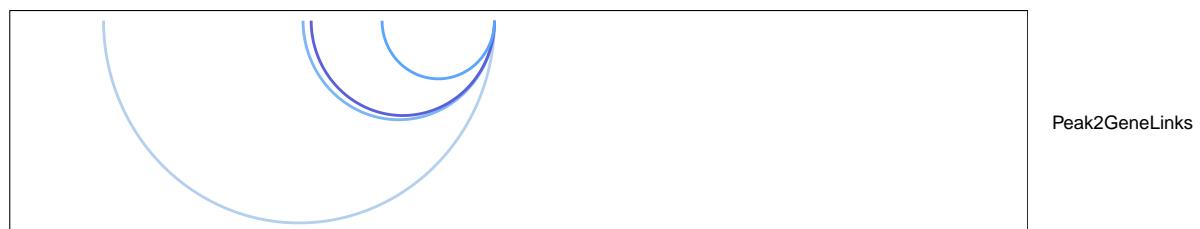
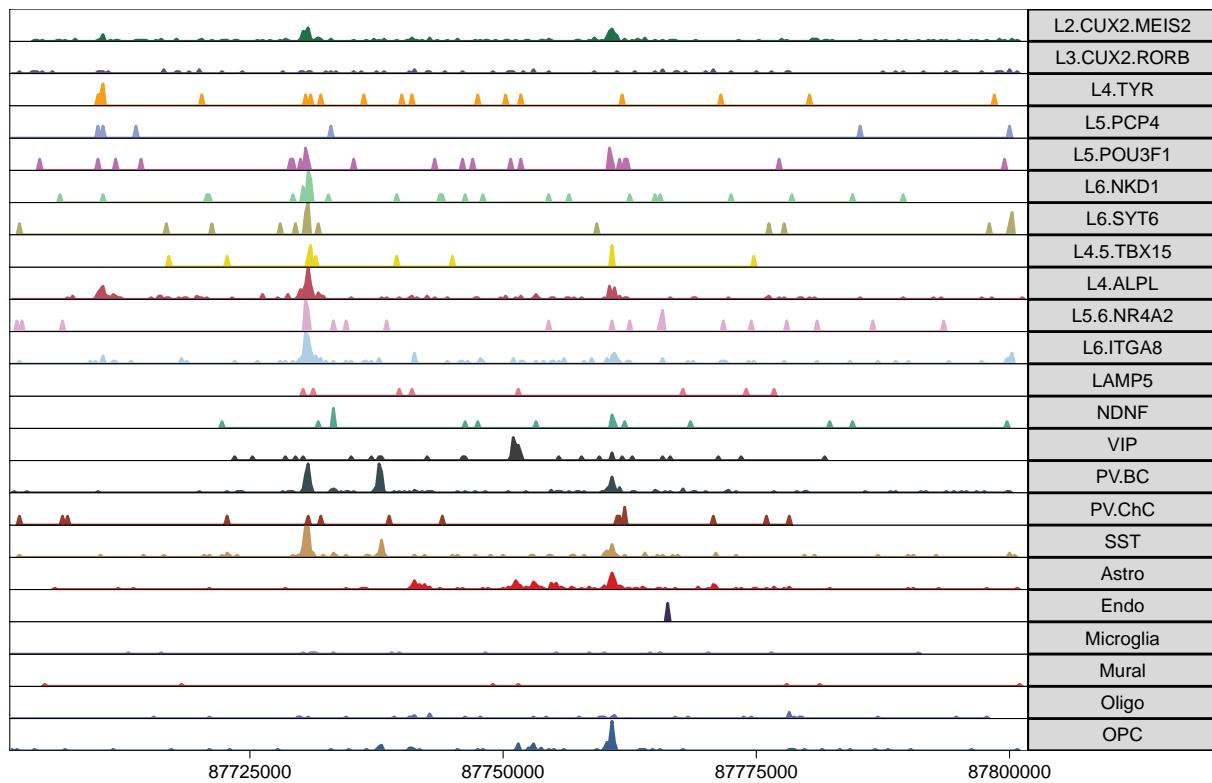
LOC107984941

RNVU1-2A

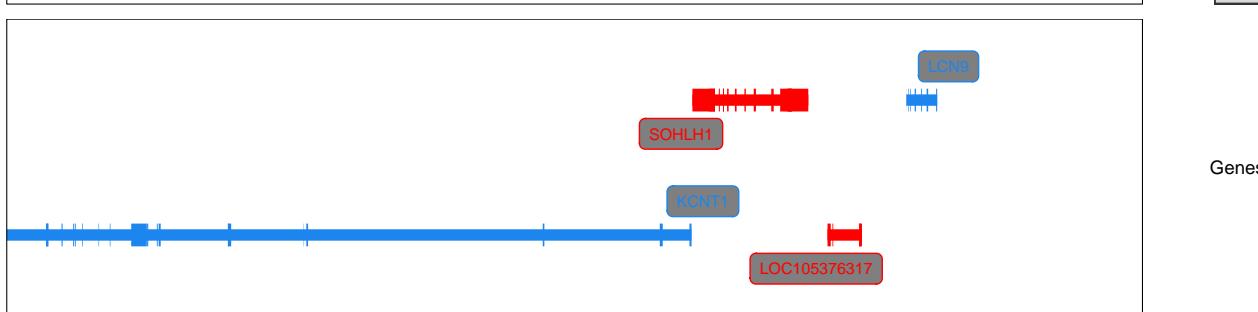
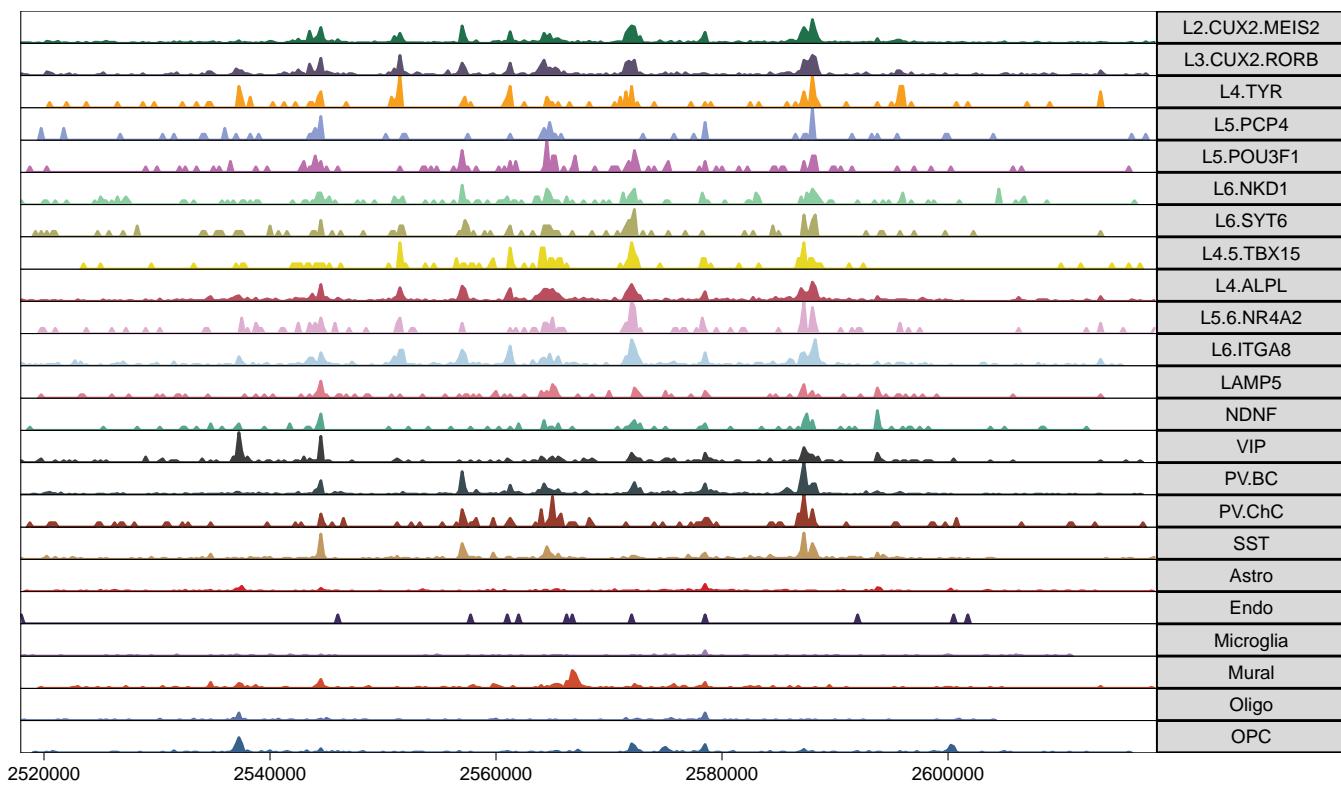
Genes

chr2:87701292–87801793 Marker Peak Tracks for: VIP

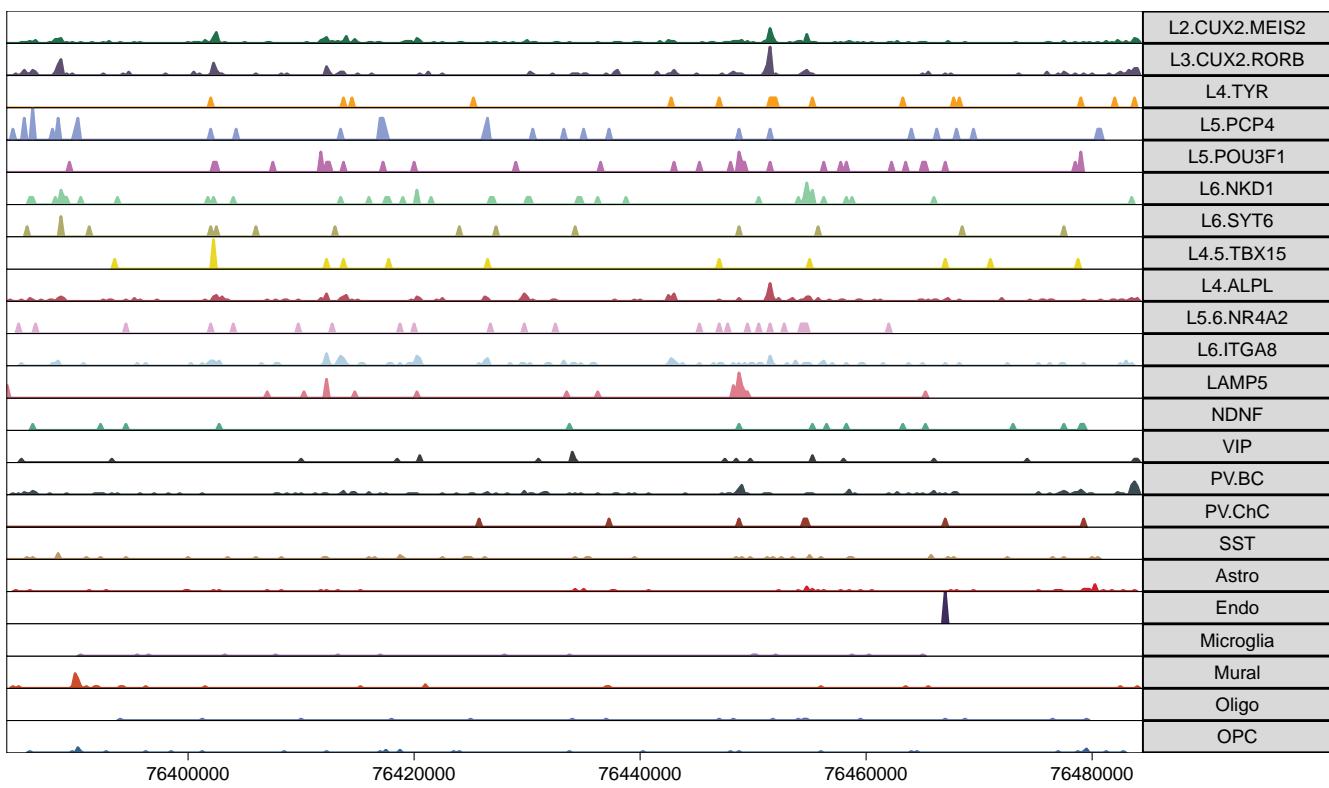
Coverage
(Norm. ATAC Signal Range (0–0.69) by ReadsInTSS)



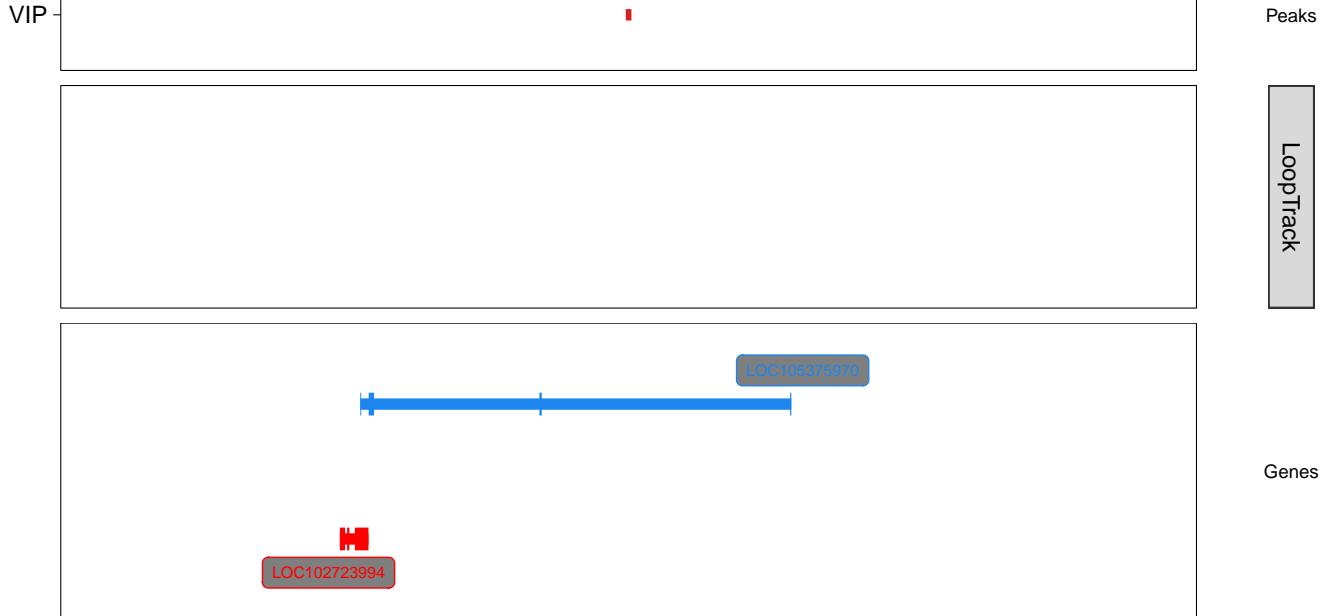
chr15:2517943–2618444 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0-1.4) by ReadInTSS)

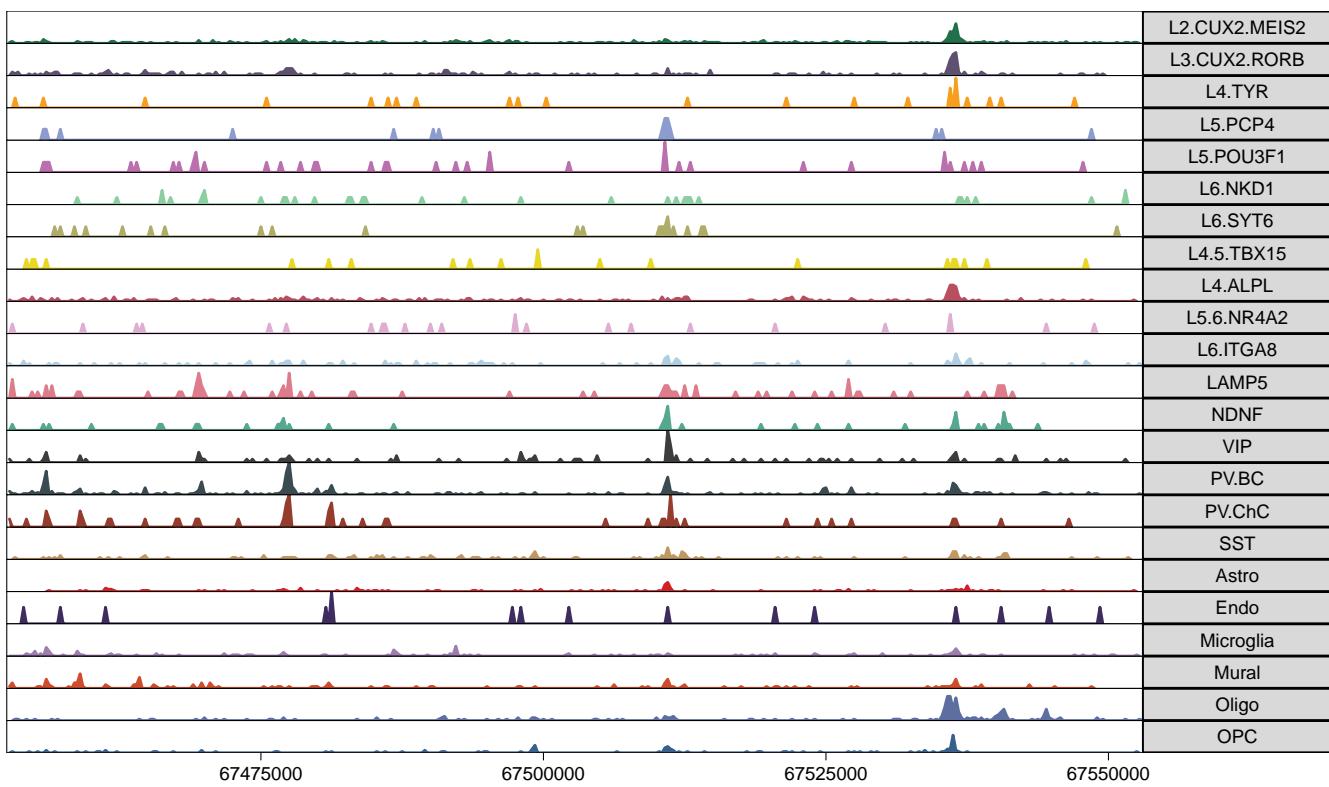
chr15:76383952–76484453 Marker Peak Tracks for: VIP

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

76400000 76420000 76440000 76460000 76480000



chr9:67452507–67553008 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.76) by ReadsInTSS)

67475000 67500000 67525000 67550000

VIP

Peaks

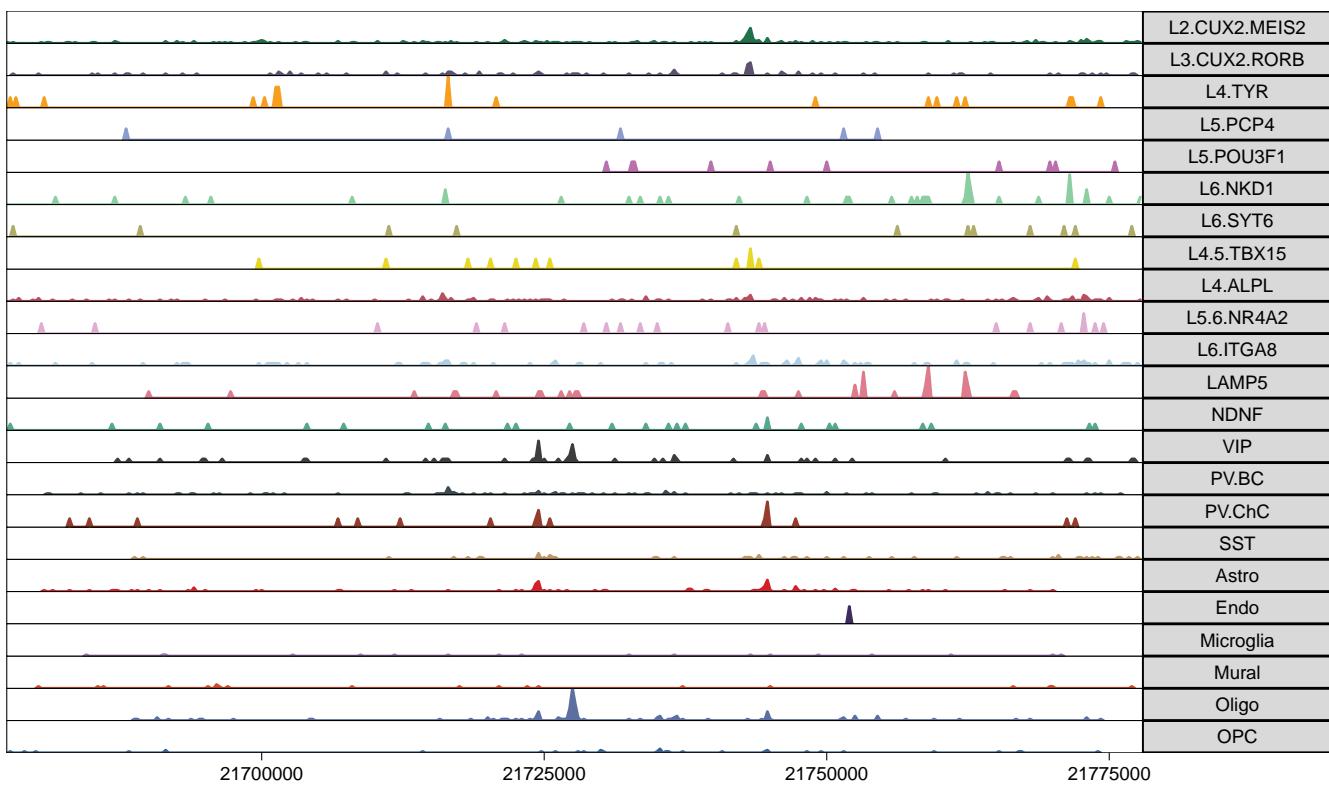
LoopTrack

NPFFR1

LRRC20

Genes

chr8:21677439–21777940 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.73) by ReadsInTSS)

L2.CUX2.MEIS2
L3.CUX2.RORB
L4.TYR
L5.PCP4
L5.POU3F1
L6.NKD1
L6.SYT6
L4.5.TBX15
L4.ALPL
L5.6.NR4A2
L6.ITGA8
LAMP5
NDNF
VIP
PV.BC
PV.ChC
SST
Astro
Endo
Microglia
Mural
Oligo
OPC

VIP

Peaks

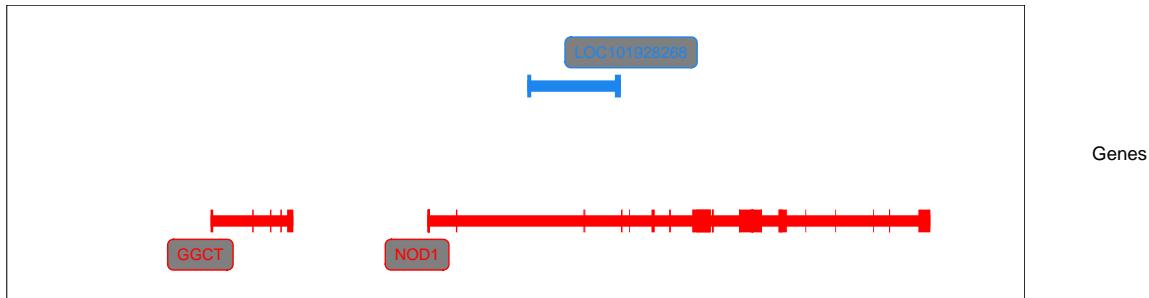
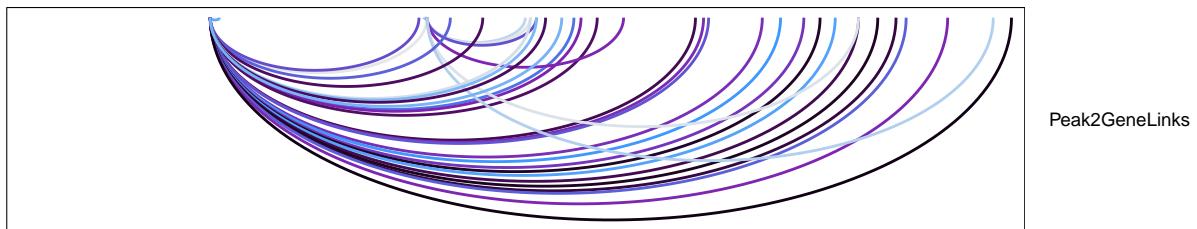
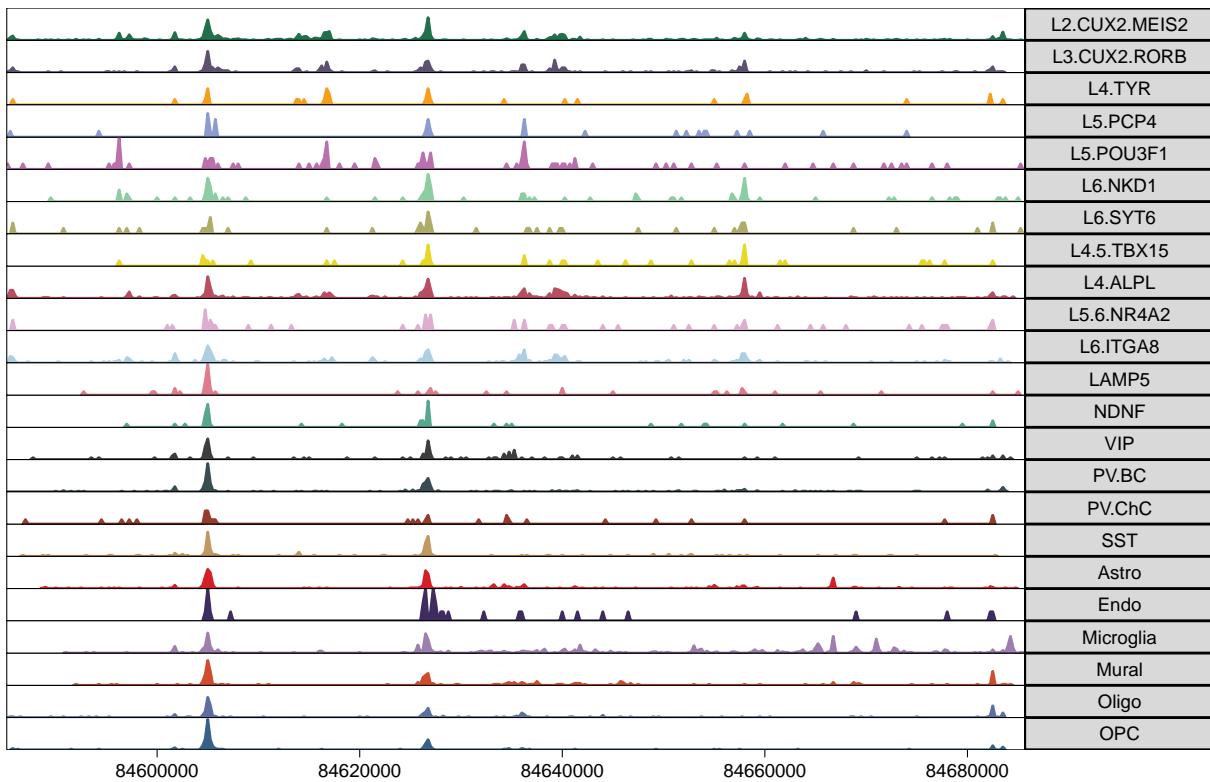
LoopTrack

LOC105379231

Genes

chr3:84585153–84685654 Marker Peak Tracks for: VIP

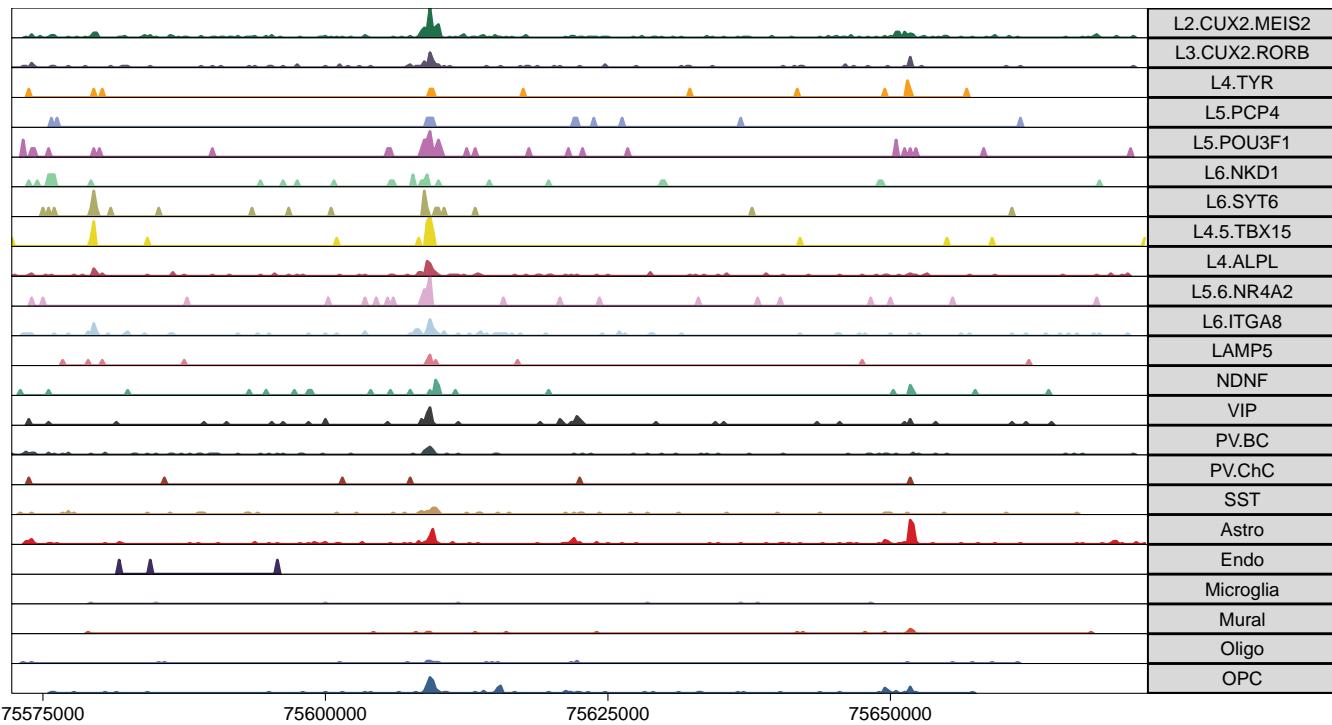
Coverage
(Norm. ATAC Signal Range (0-1.4) by ReadsInTSS)



value

0.8
0.6
0.4
0.2

chr4:75572241–75672742 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.83) by ReadstTSS)

VIP

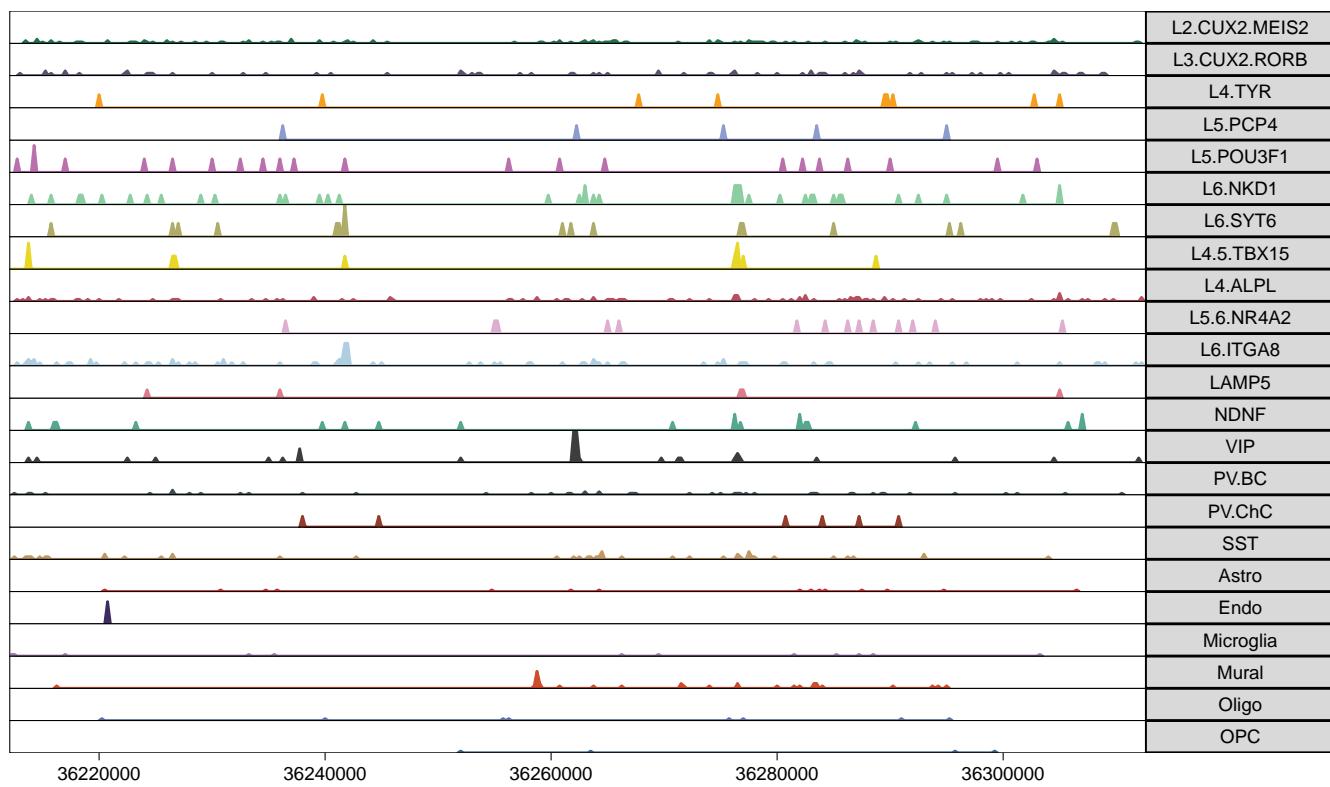
Peaks

LoopTrack

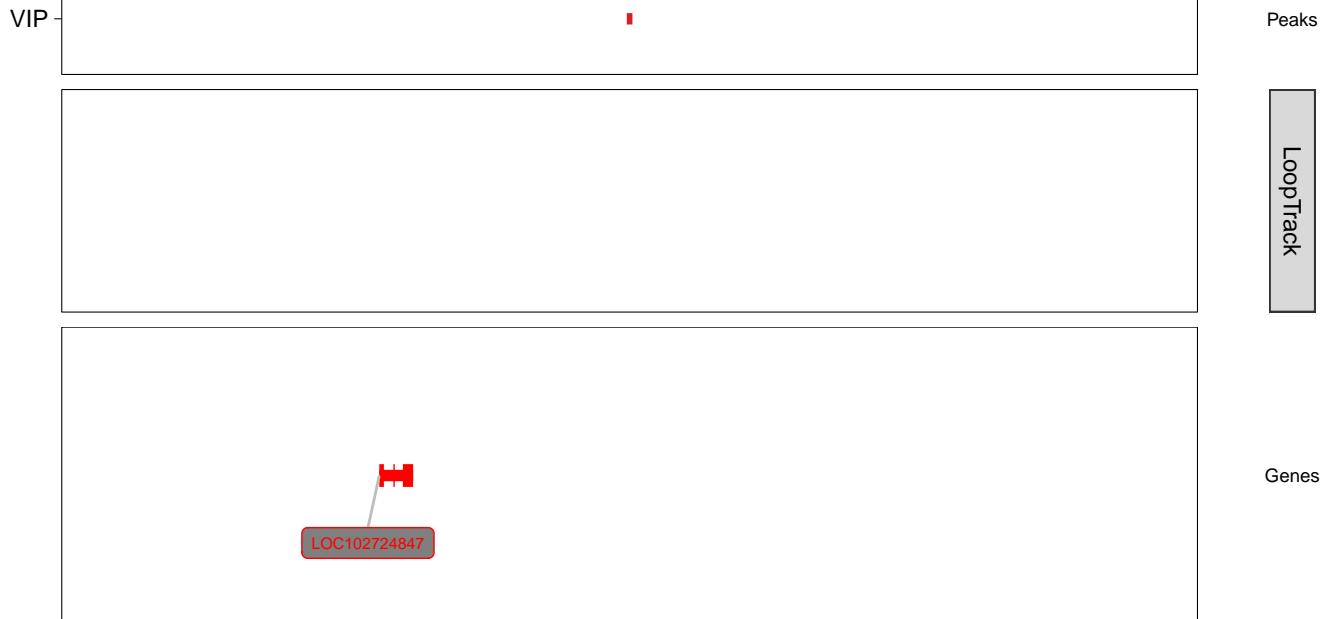
GeneTrack

strand ● •

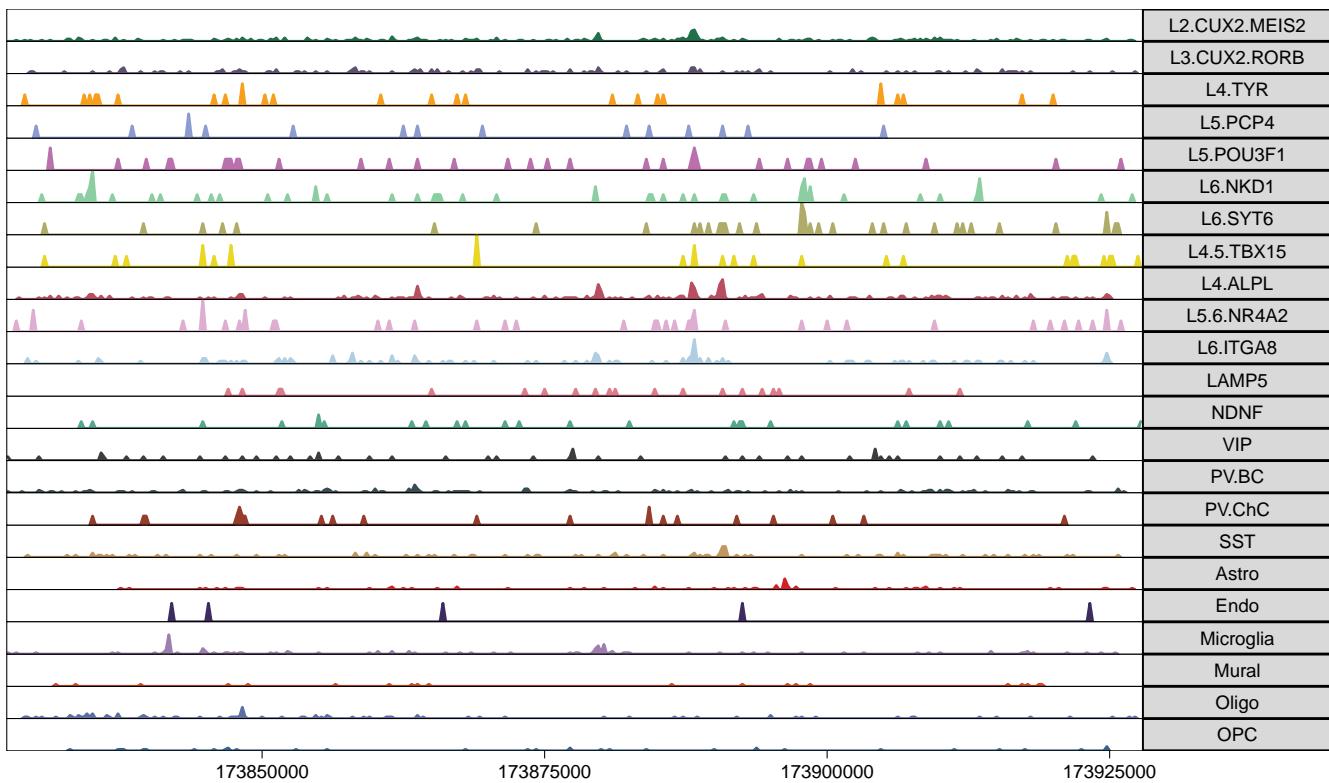
chr20:36212093–36312594 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.5) by ReadsInTSS)

36220000 36240000 36260000 36280000 36300000



chr1:173827403–173927904 Marker Peak Tracks for: VIP

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

173850000 173875000 173900000 173925000

VIP

Peaks

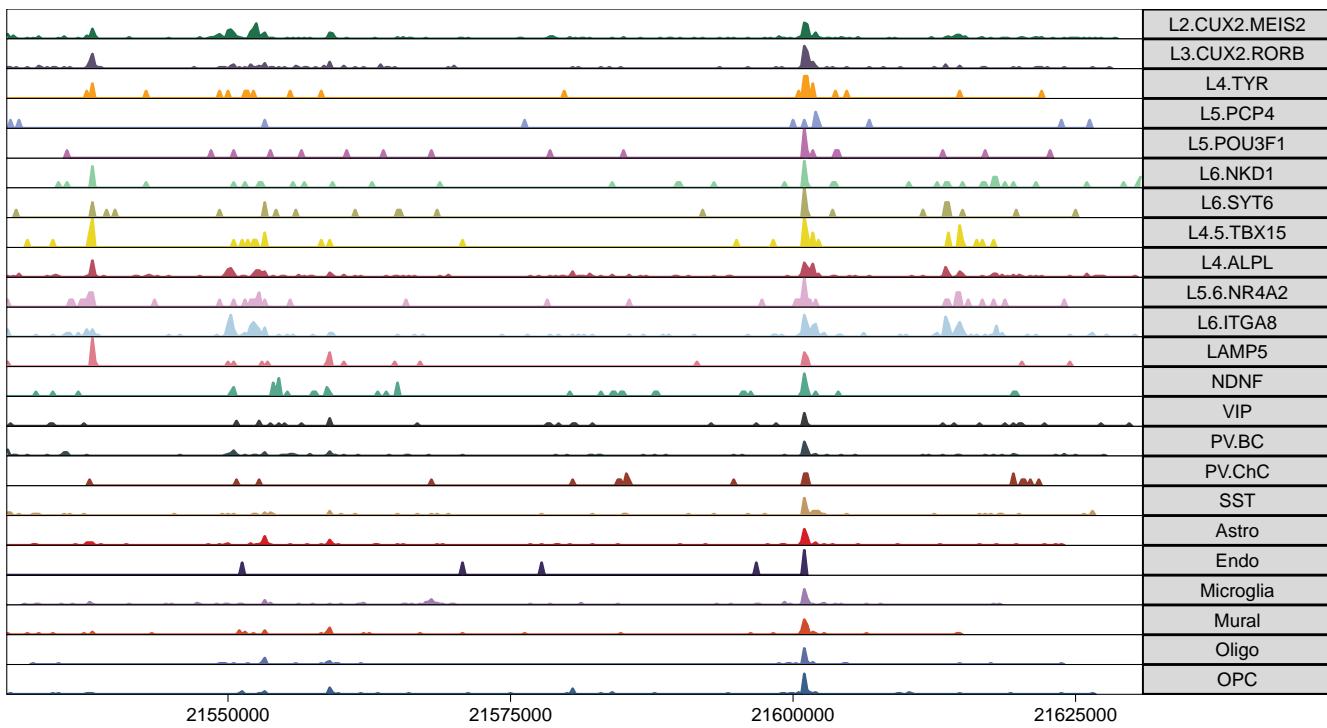
LoopTrack

FAF1

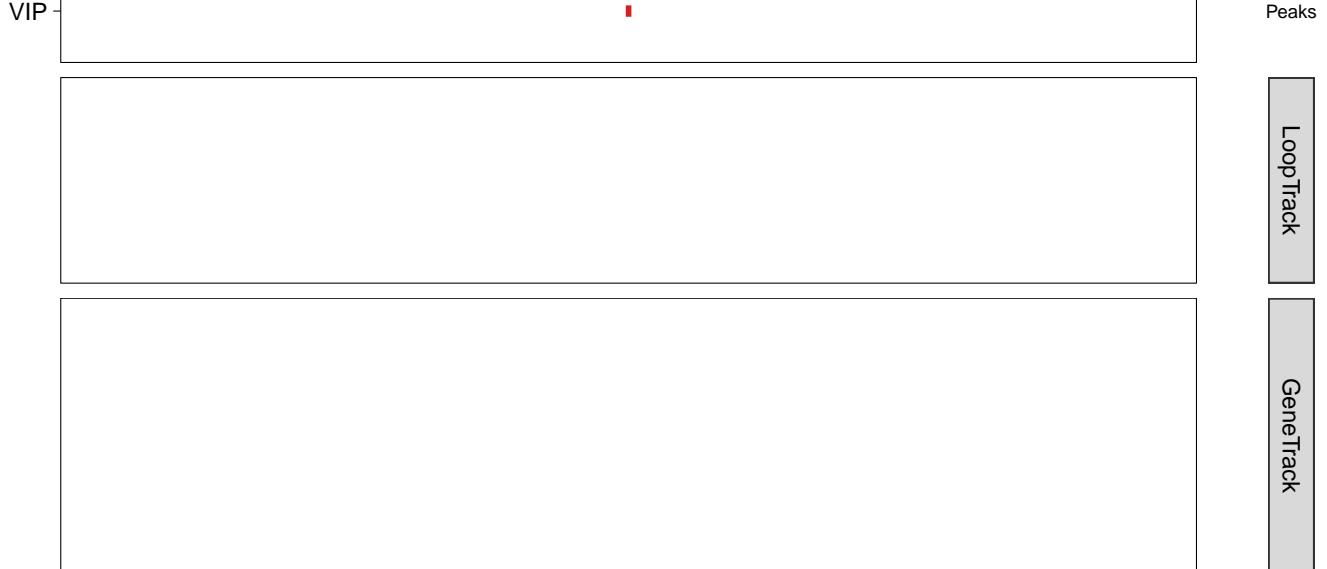
Genes

RNVU1-2A

chr12:21530419–21630920 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.94) by ReadstTSS)

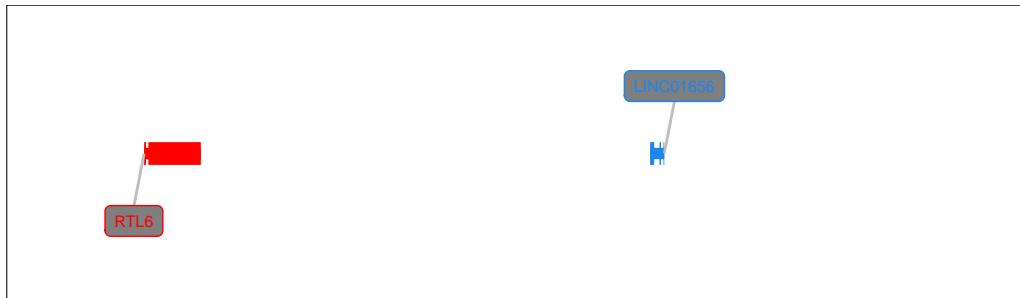
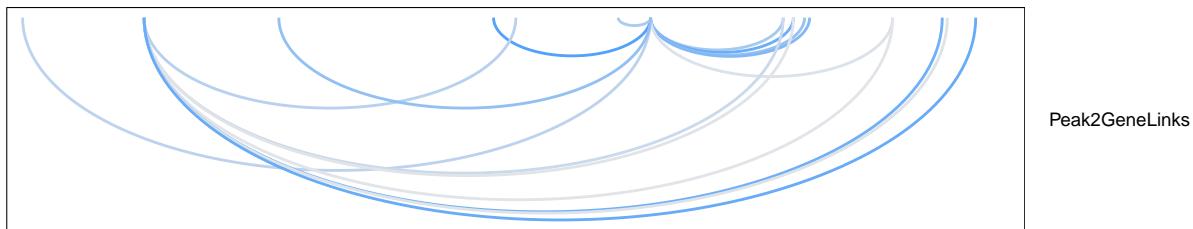
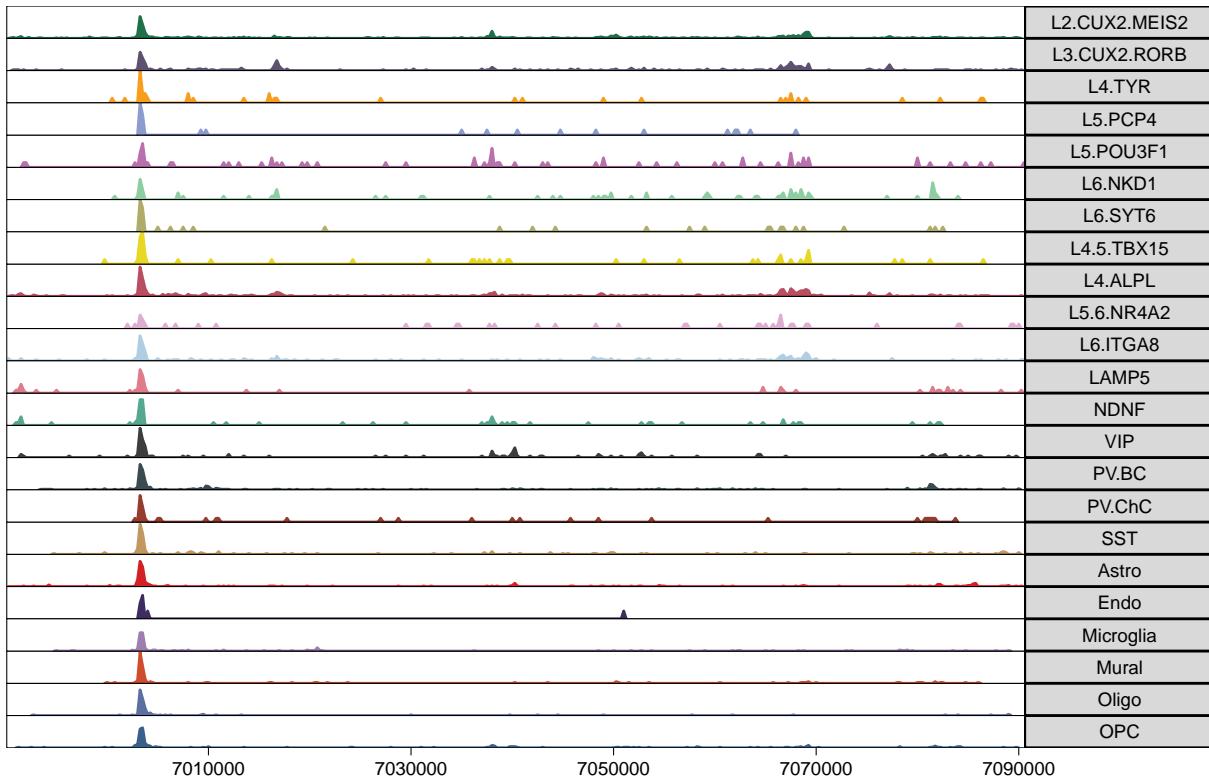
21550000 21575000 21600000 21625000



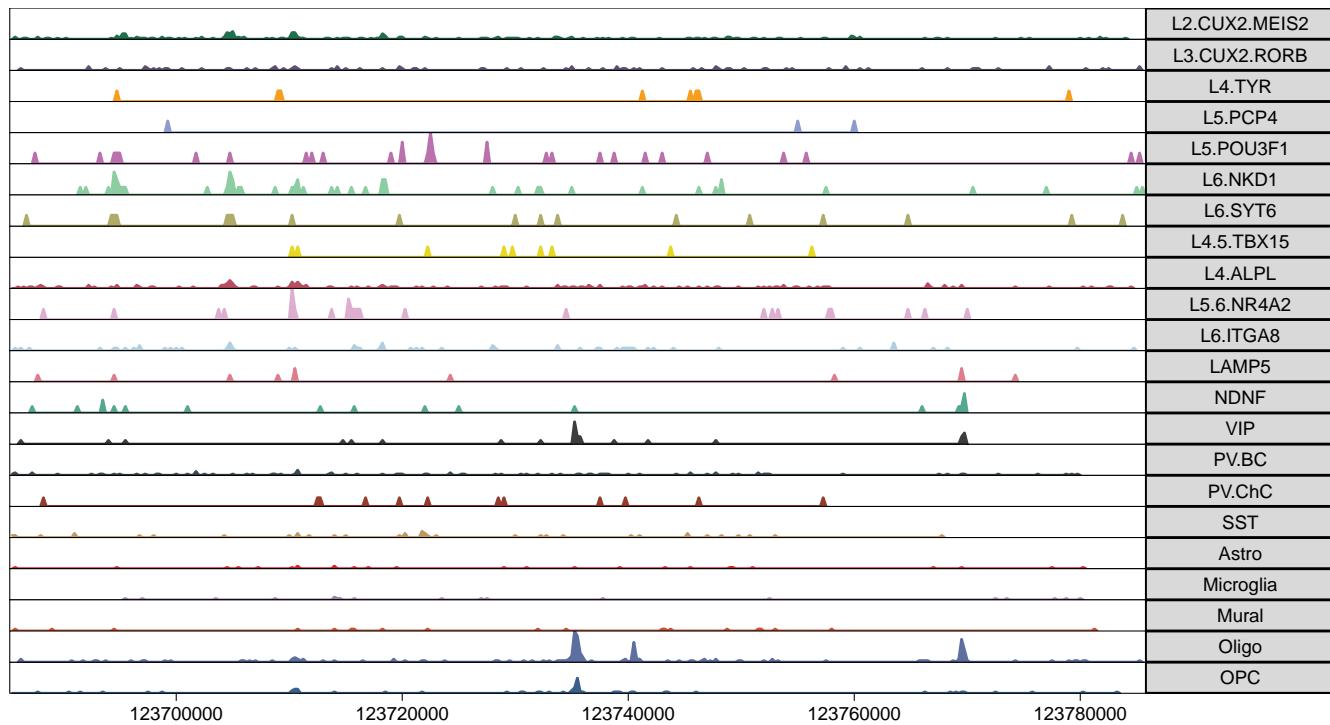
strand ● •

chr10:6990088–7090589 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.6) by ReadsInTSS)



chr9:123685267–123785768 Marker Peak Tracks for: VIP

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

123700000 123720000 123740000 123760000 123780000

VIP

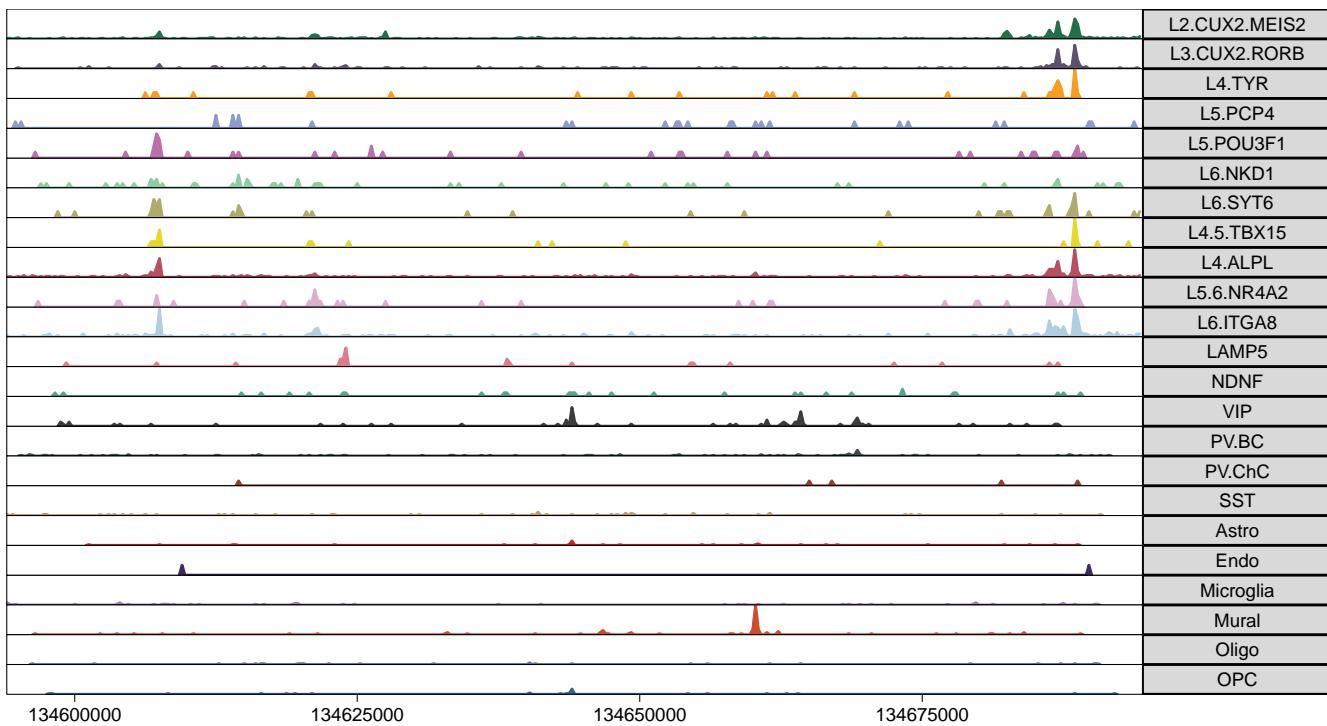
Peaks

LoopTrack

GeneTrack

strand ● •

chr8:134593984–134694485 Marker Peak Tracks for: VIP

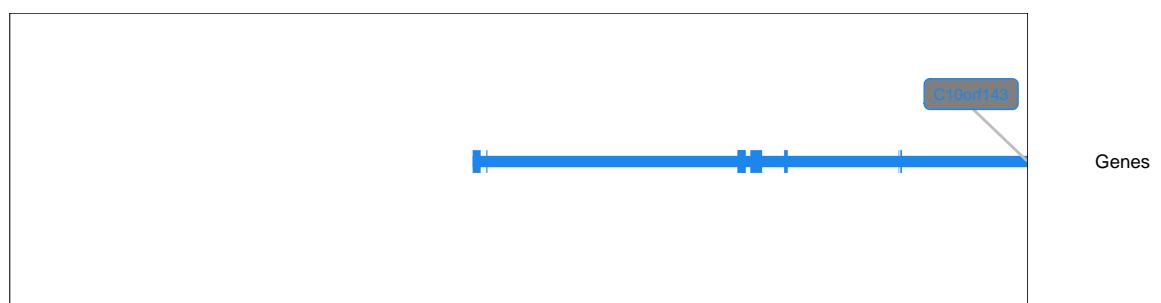
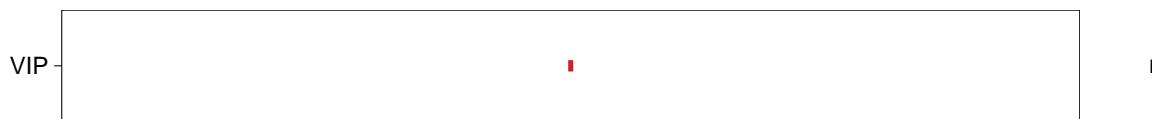
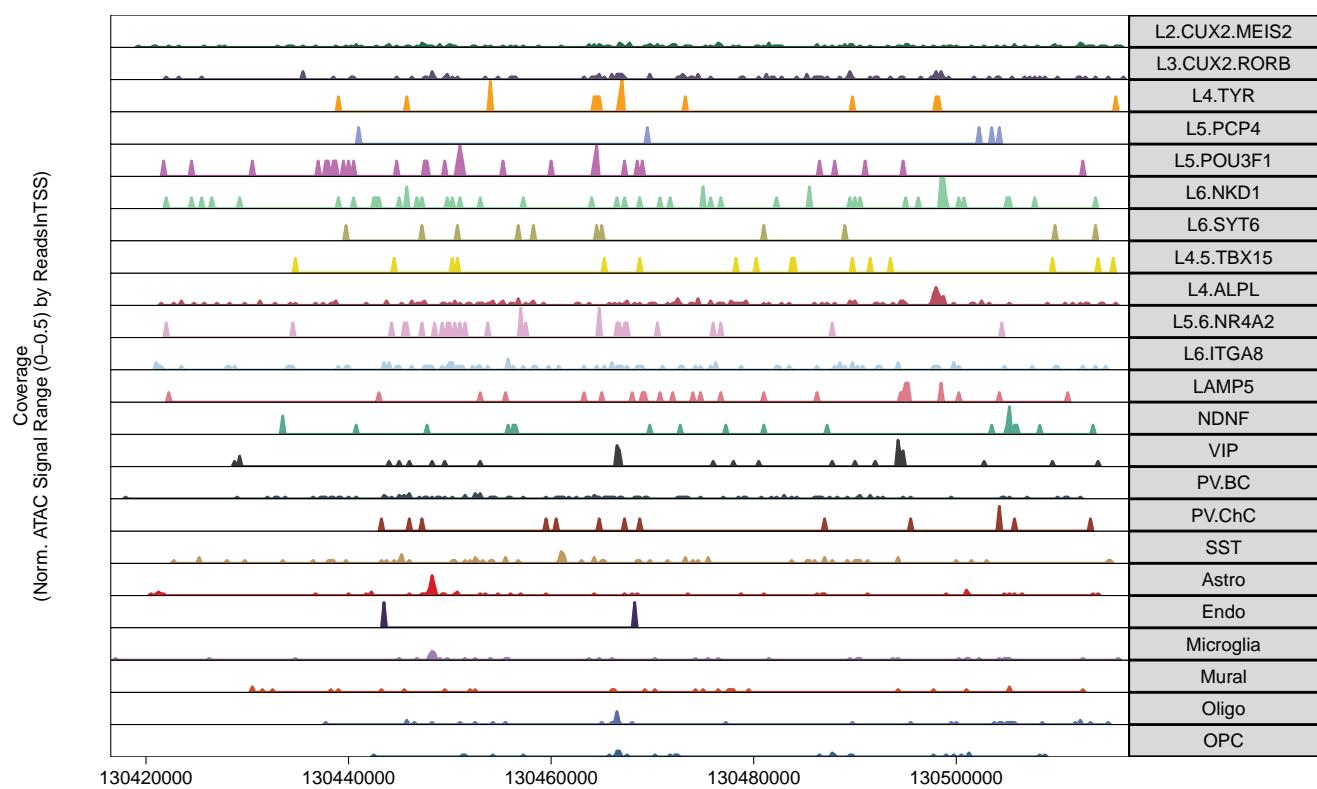
Coverage
(Norm. ATAC Signal Range (0–1.17) by ReadstTSS)

134600000 134625000 134650000 134675000



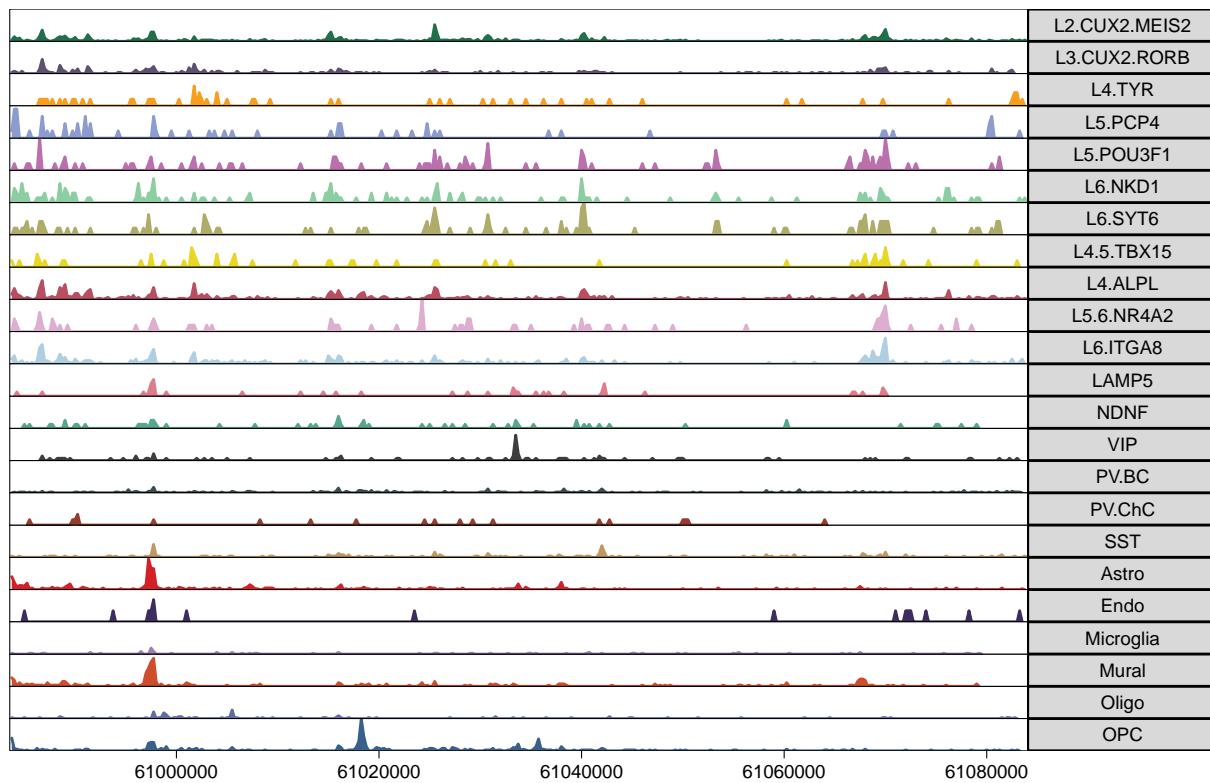
strand ● •

chr9:130416524–130517025 Marker Peak Tracks for: VIP



chr1:60983545–61084046 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.14) by ReadsInTSS)

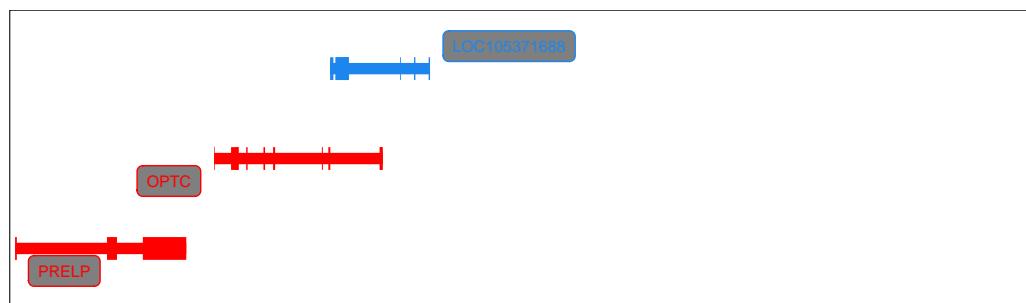
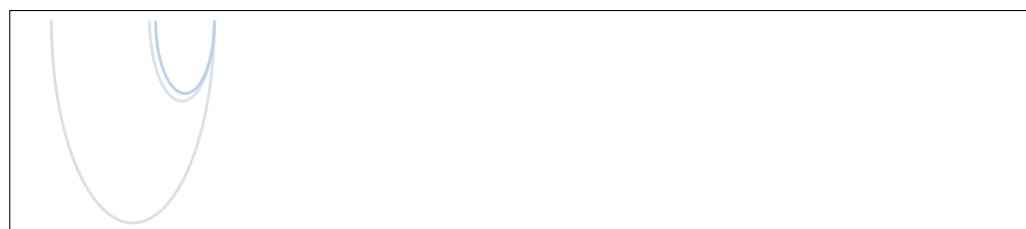


61000000 61020000 61040000 61060000 61080000

VIP - Peaks

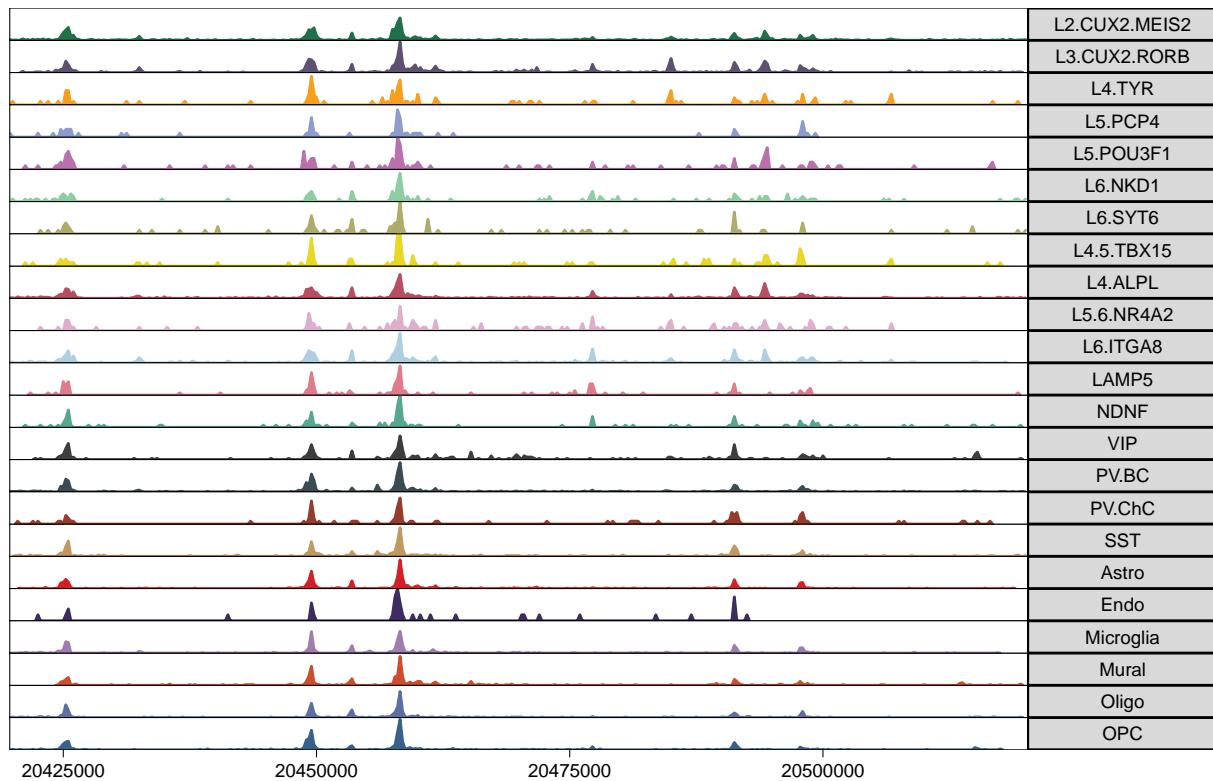


Peak2GeneLinks

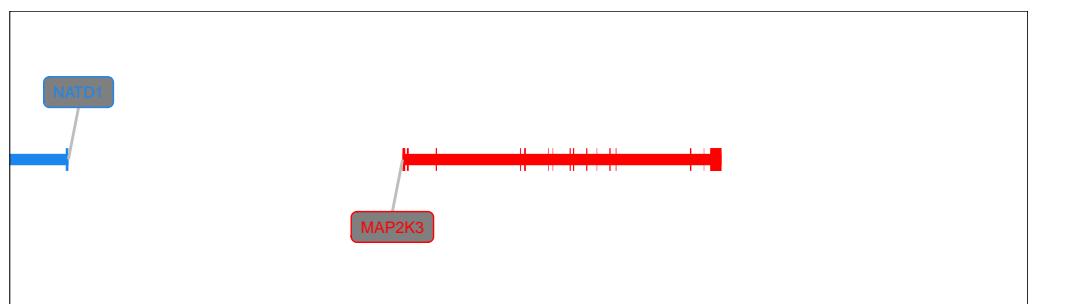
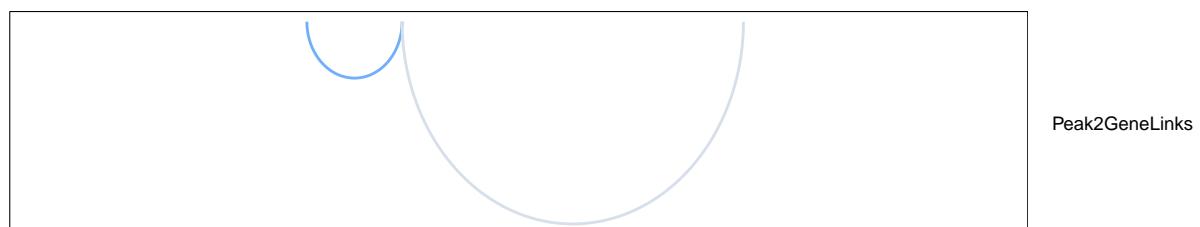


chr16:20419714–20520215 Marker Peak Tracks for: VIP

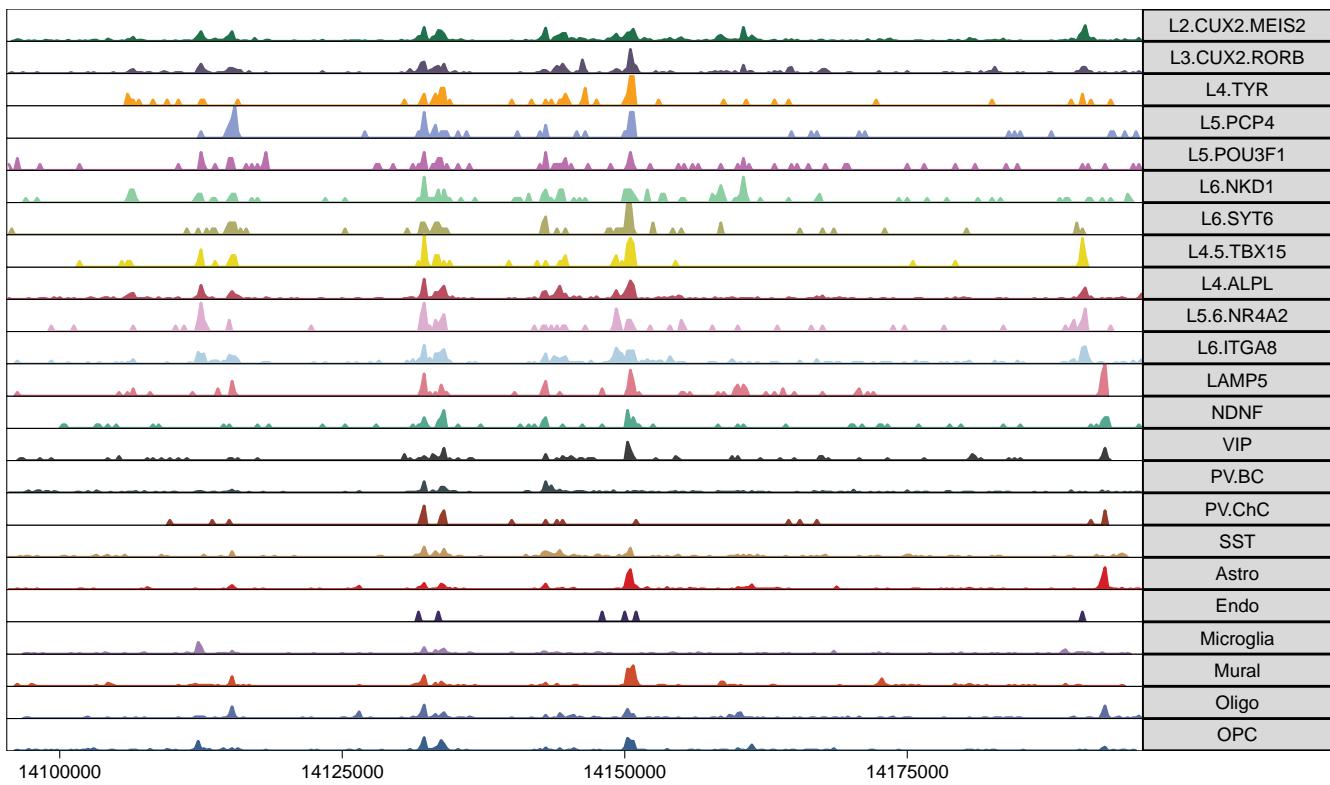
Coverage
(Norm. ATAC Signal Range (0–21) by ReadsInTSS)



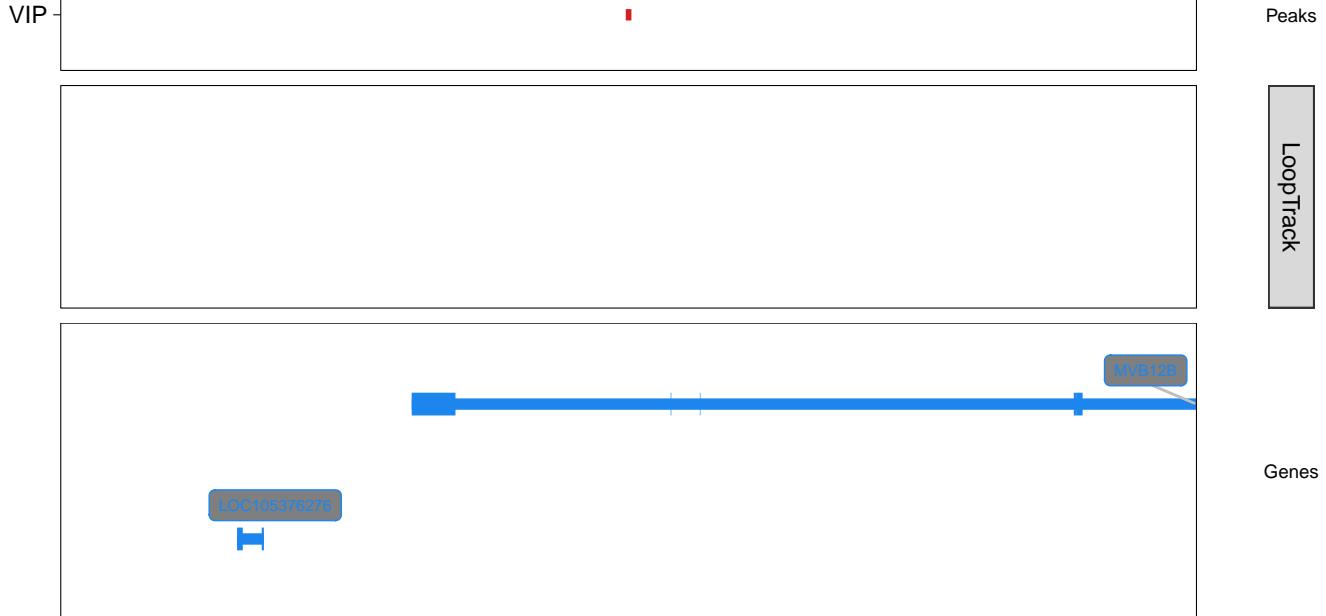
20425000 20450000 20475000 20500000



chr15:14095311–14195812 Marker Peak Tracks for: VIP

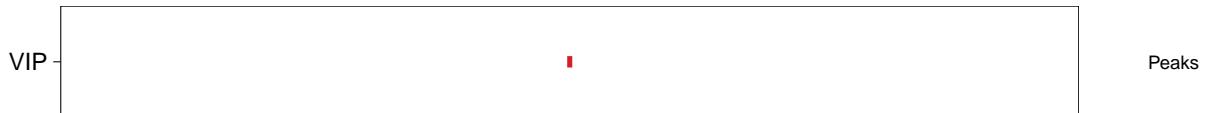
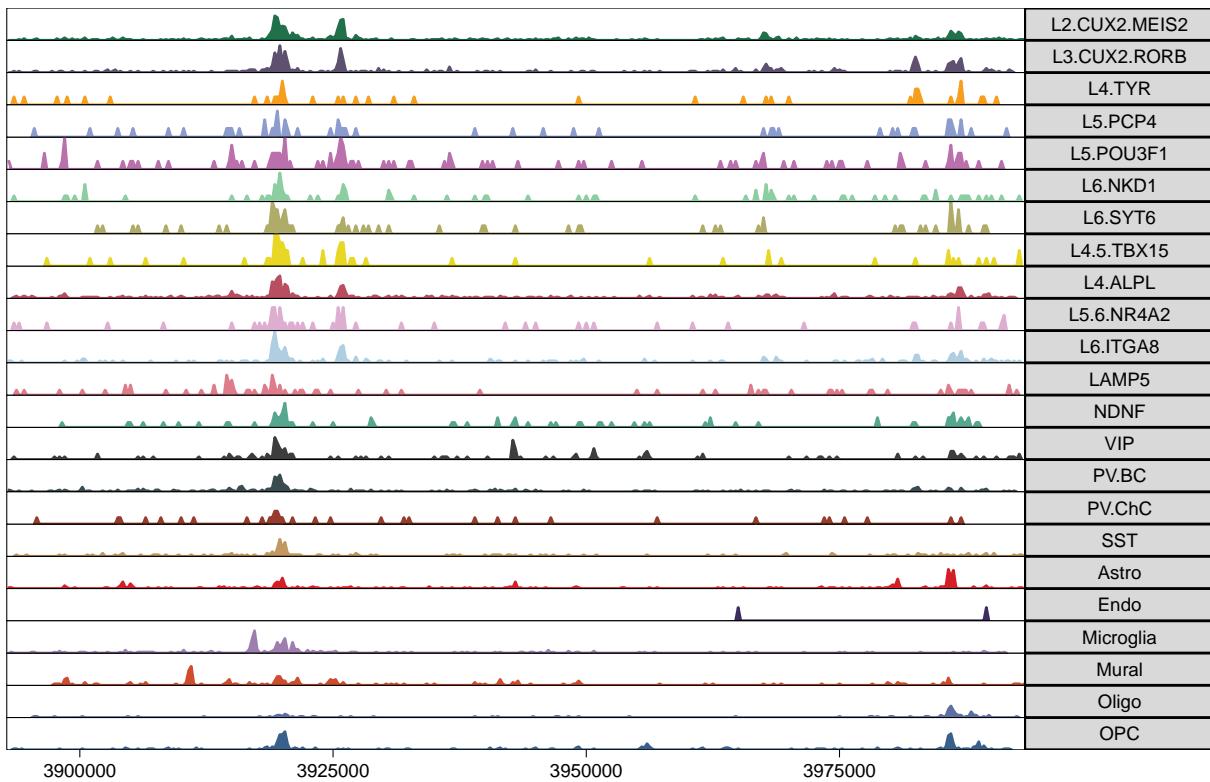
Coverage
(Norm. ATAC Signal Range (0–1.28) by ReadInTSS)

14100000 14125000 14150000 14175000



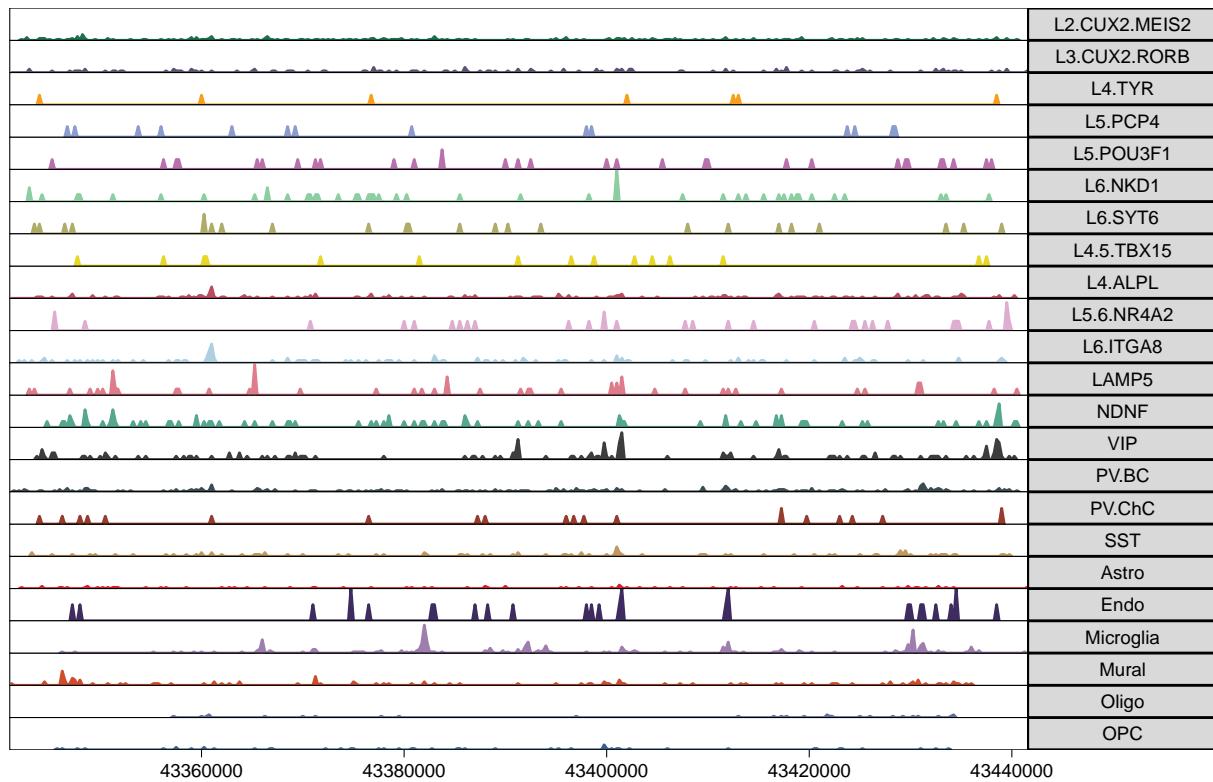
chr5:3892785–3993286 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.95) by ReadsInTSS)



chr10:43341067–43441568 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.78) by ReadsInTSS)

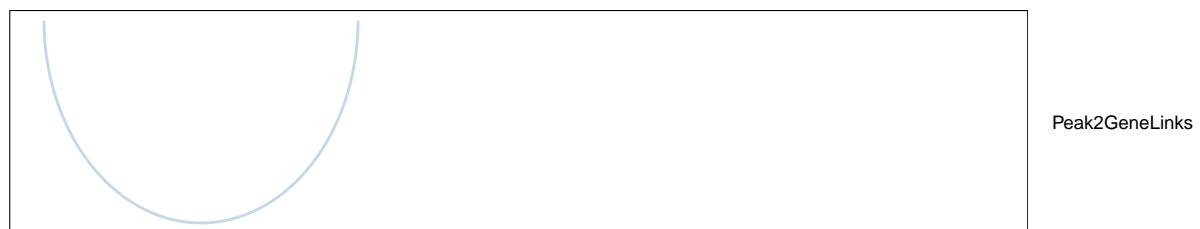


43360000 43380000 43400000 43420000 43440000

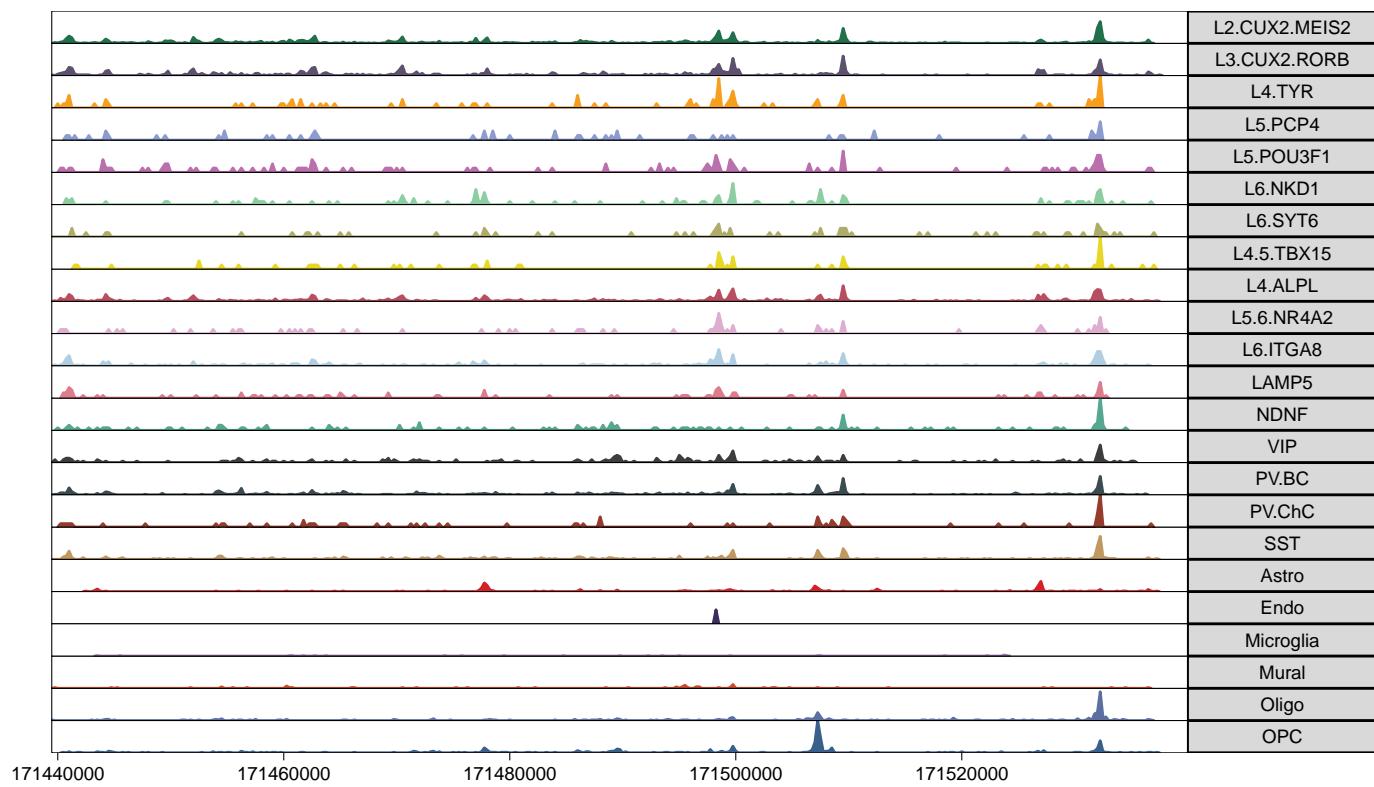


value

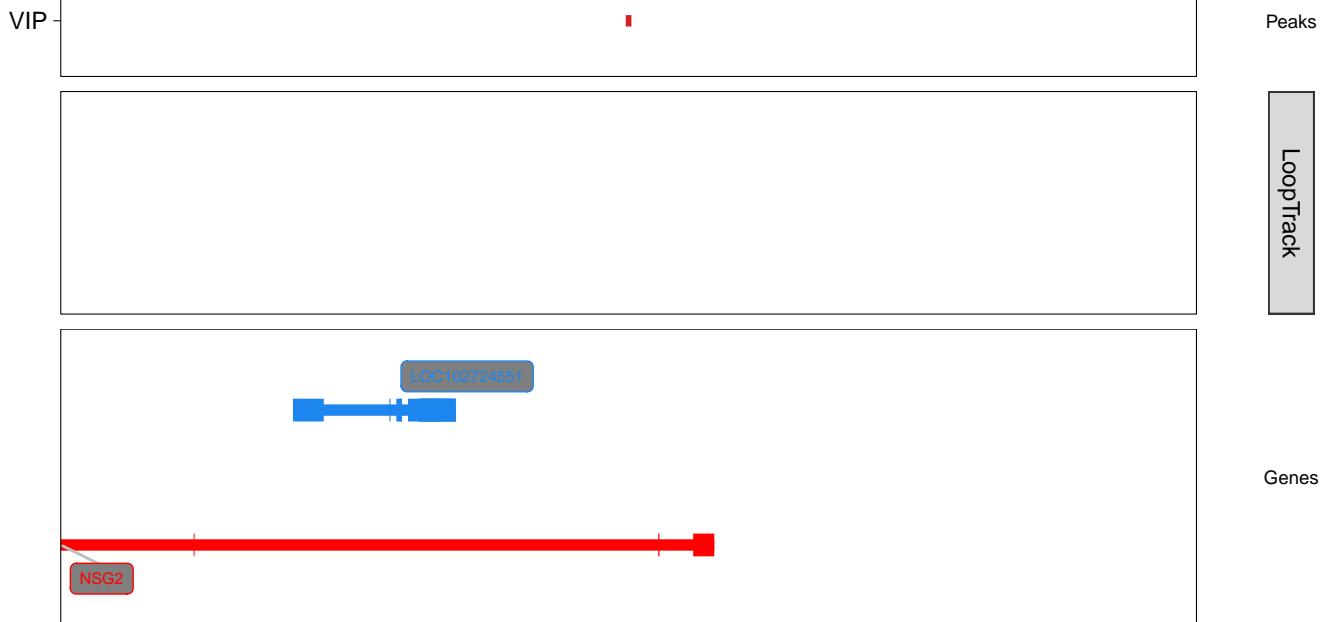
0.8
0.6
0.4
0.2



chr6:171439468–171539969 Marker Peak Tracks for: VIP

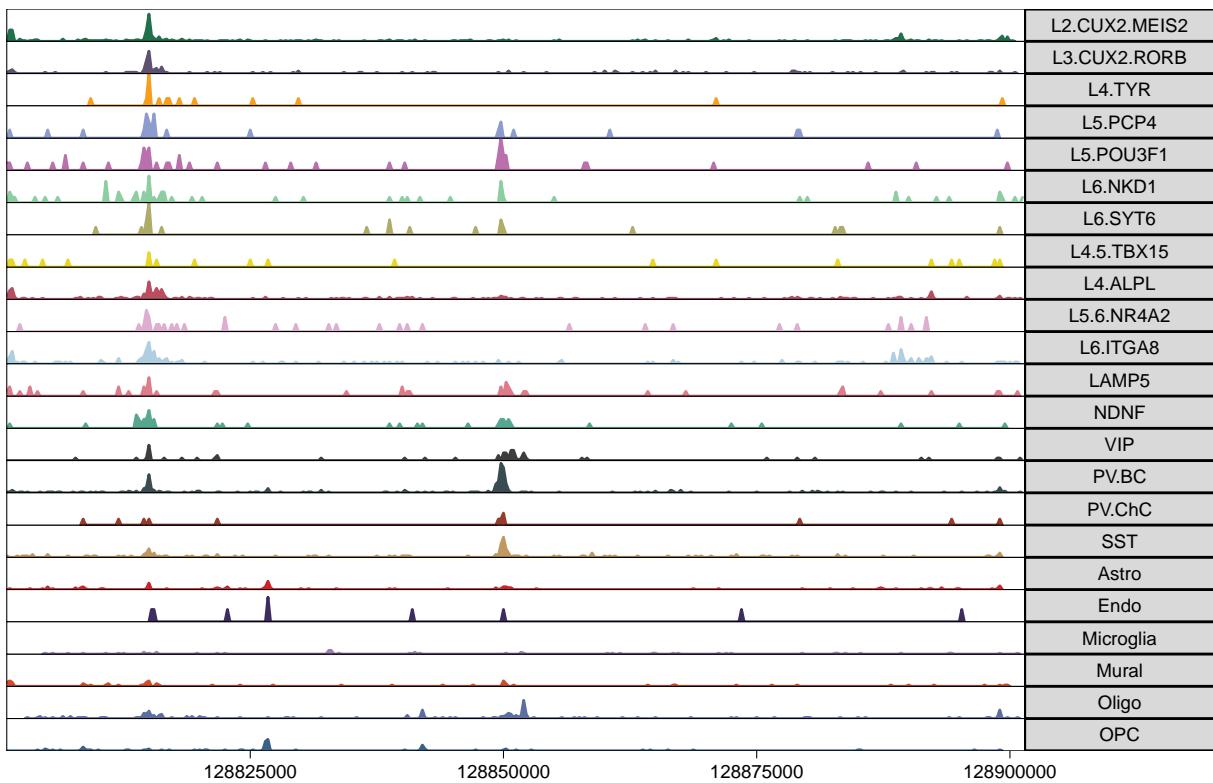
Coverage
(Norm. ATAC Signal Range (0-1.8) by ReadshTSS)

171440000 171460000 171480000 171500000 171520000



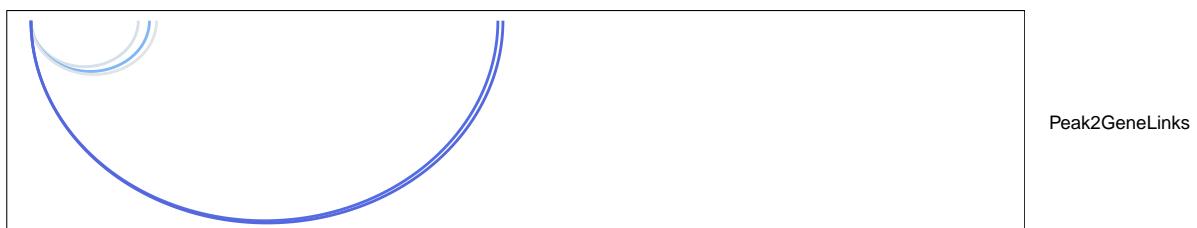
chr2:128800960–128901461 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.02) by ReadsInTSS)



128825000 128850000 128875000 128900000

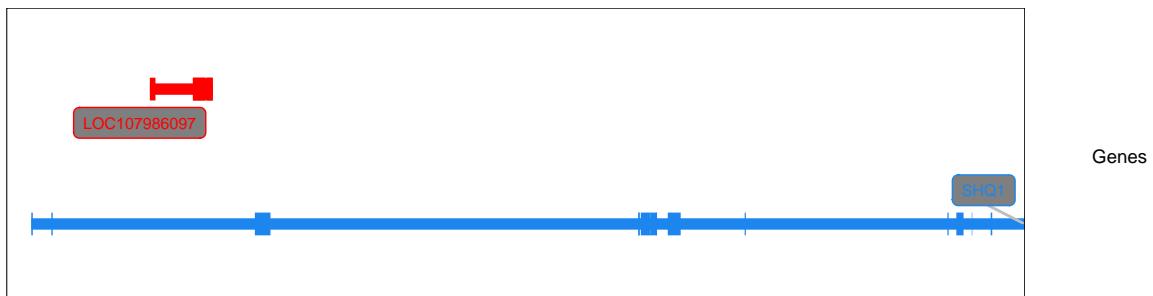
VIP Peaks



value

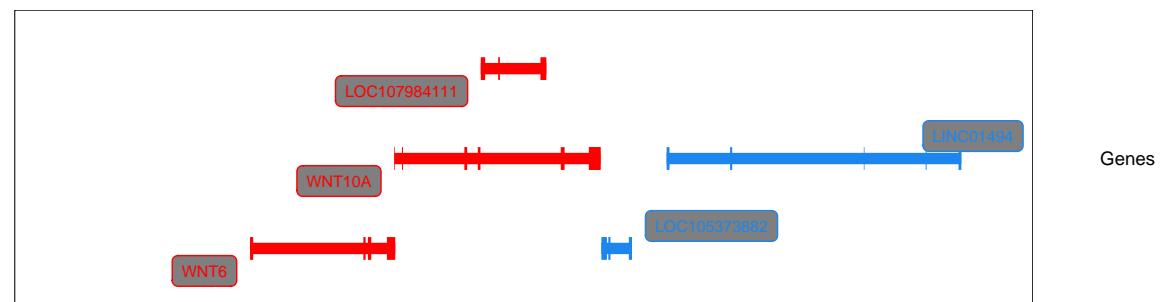
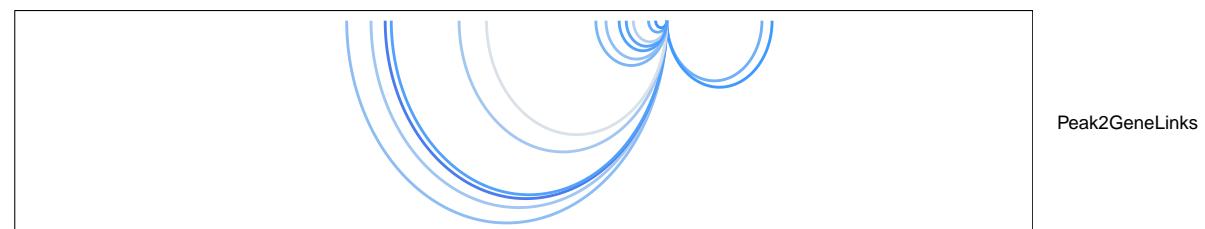
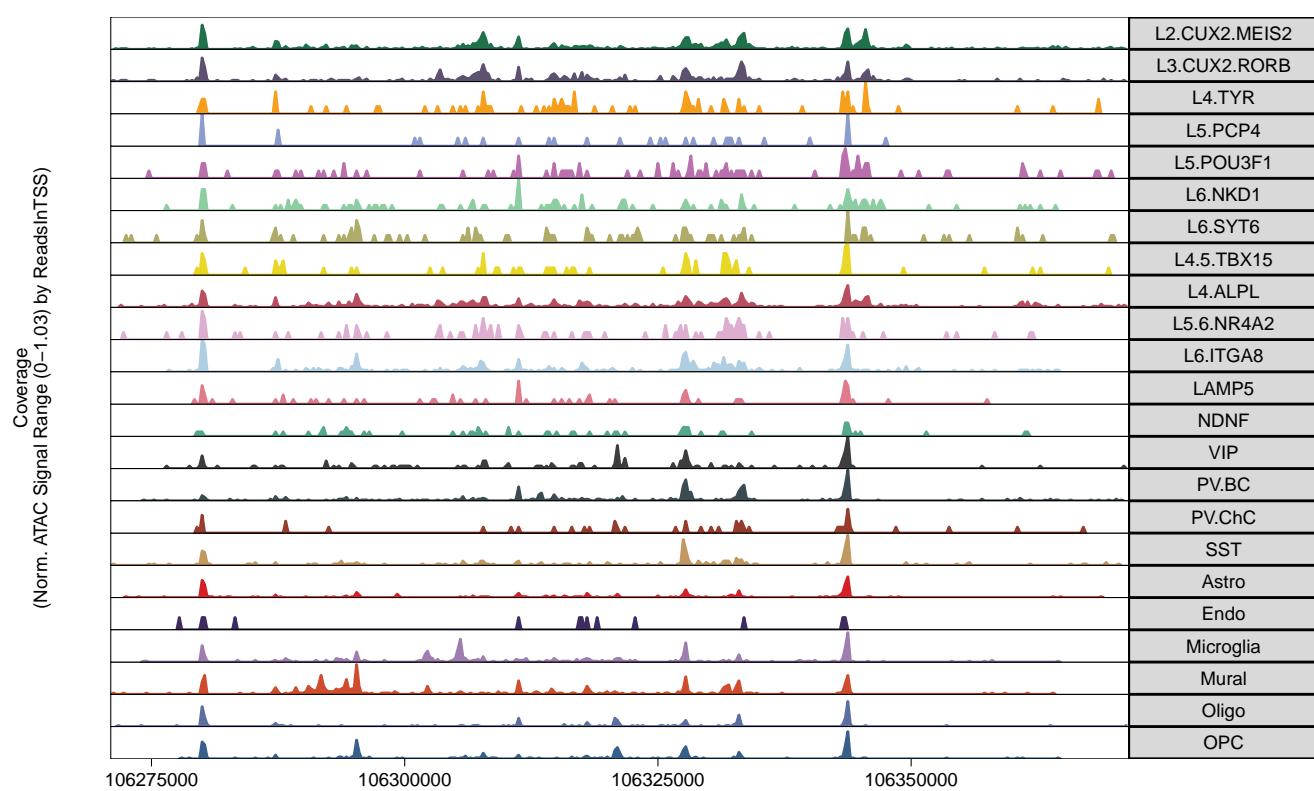
0.8
0.6
0.4
0.2

Peak2GeneLinks

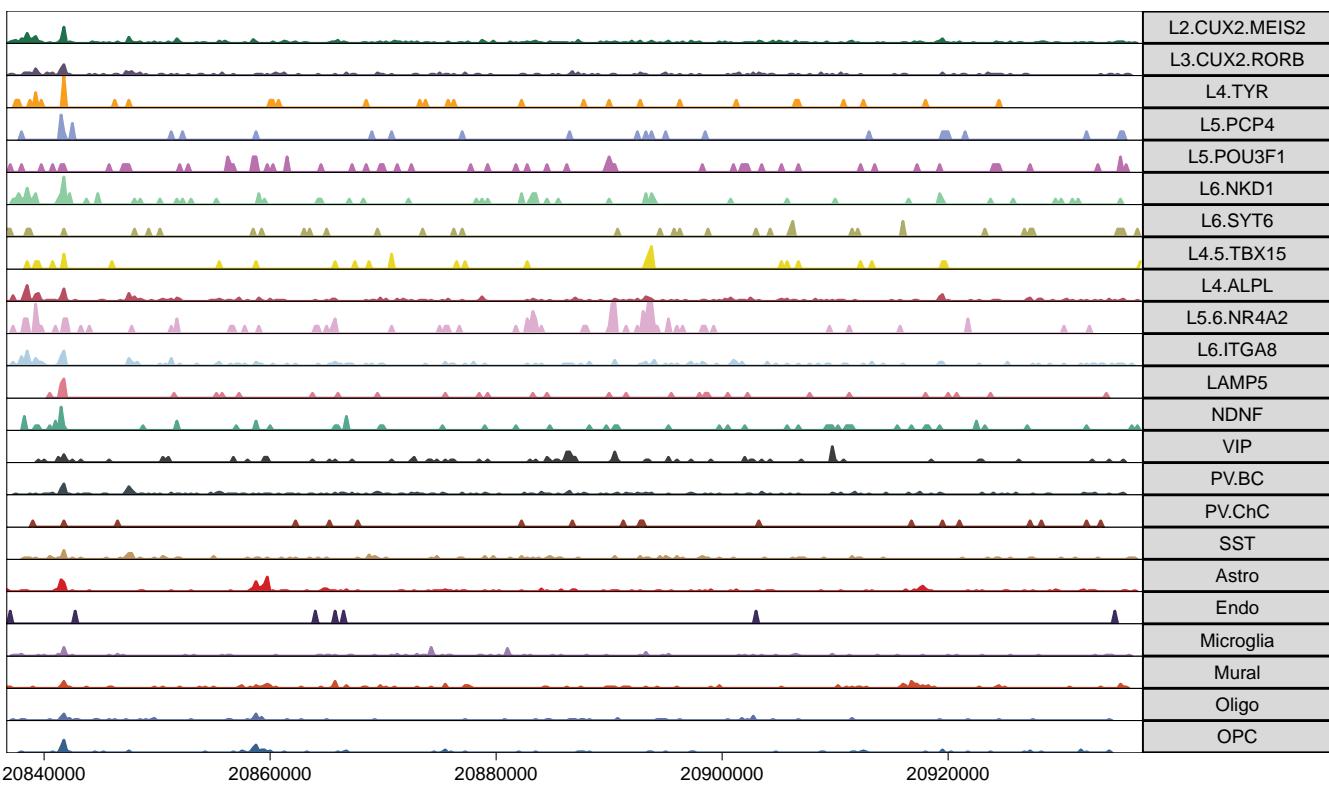


Genes

chr12:106270979–106371480 Marker Peak Tracks for: VIP



chr14:20836693–20937194 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.99) by ReadInTSS)

20840000 20860000 20880000 20900000 20920000

VIP

Peaks

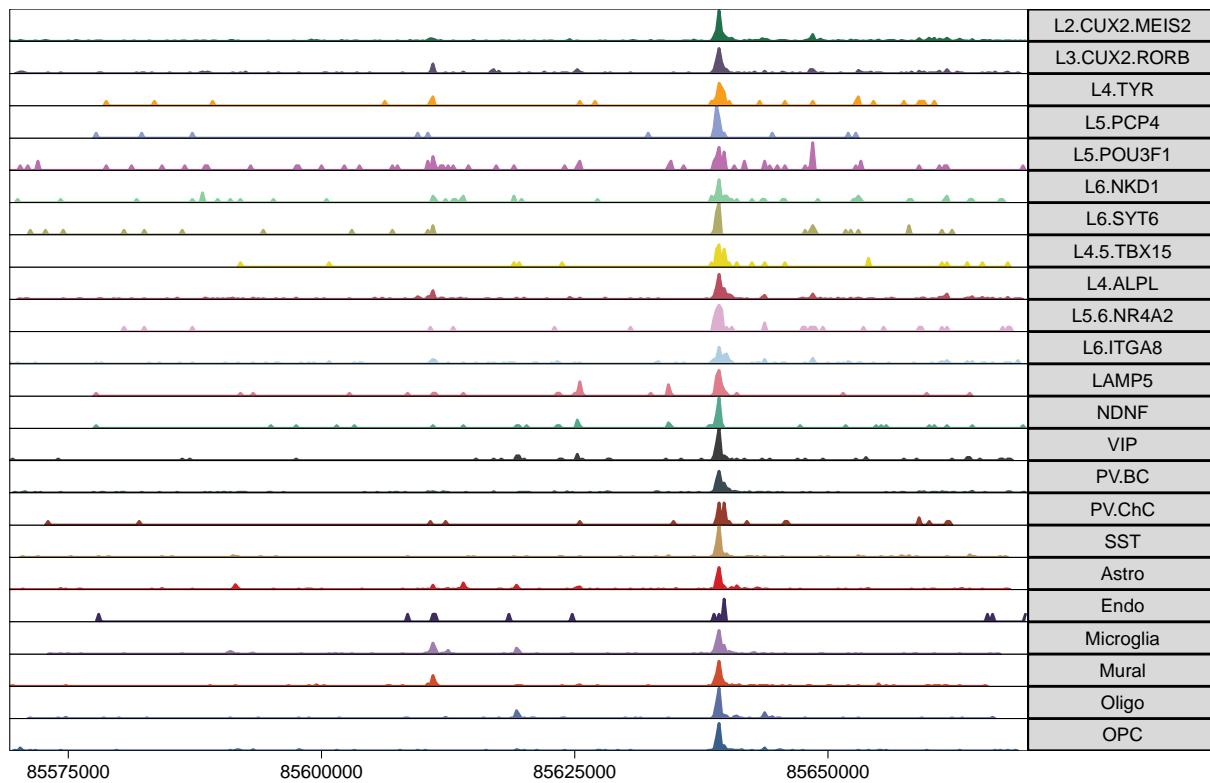
LoopTrack

TSPAN18

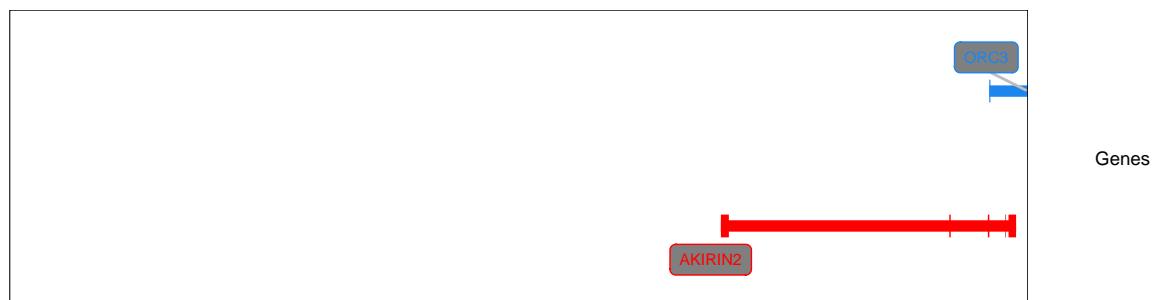
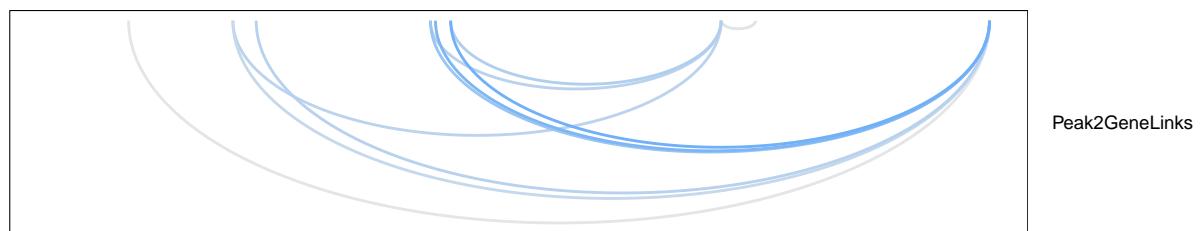
Genes

chr4:85569220–85669721 Marker Peak Tracks for: VIP

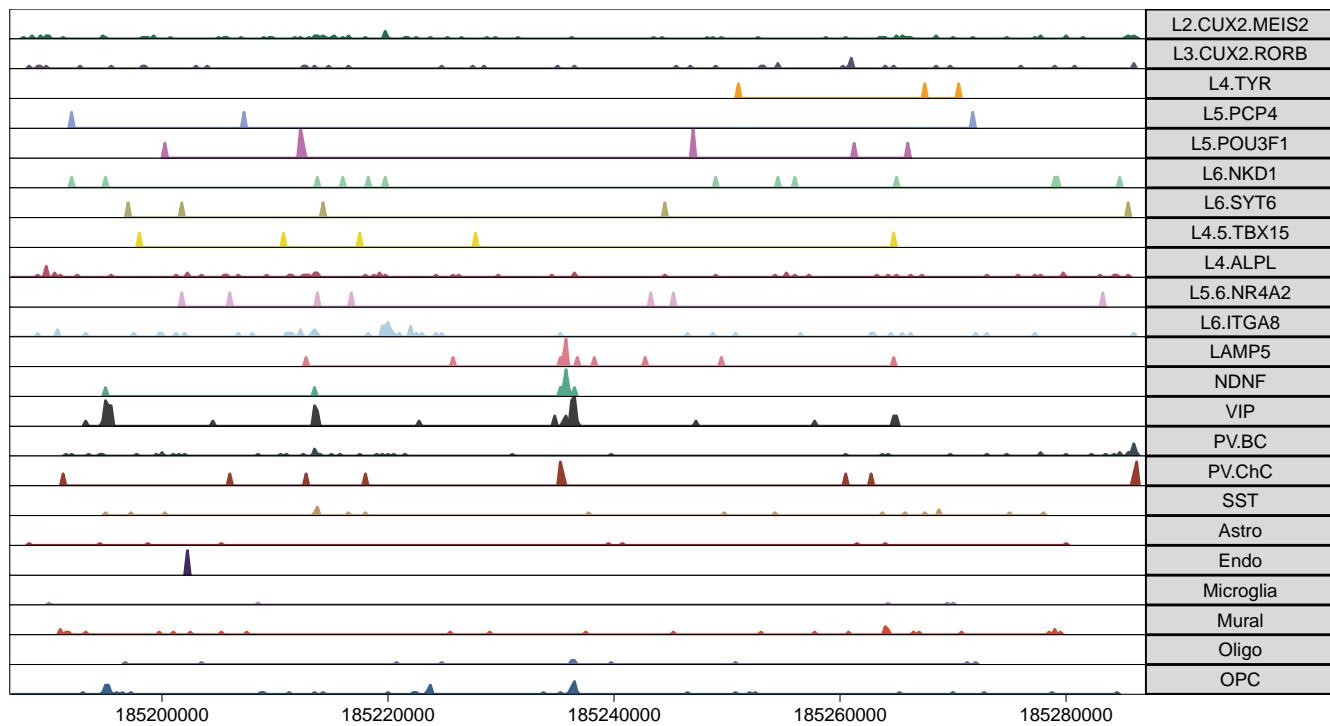
Coverage
(Norm. ATAC Signal Range (0–1.66) by ReadsInTSS)



85575000 85600000 85625000 85650000



chr3:185186526–185287027 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.48) by ReadstTSS)

185200000 185220000 185240000 185260000 185280000

VIP

Peaks

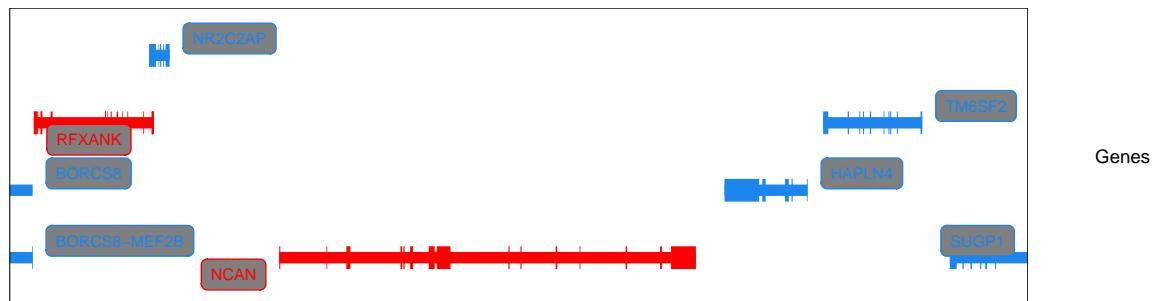
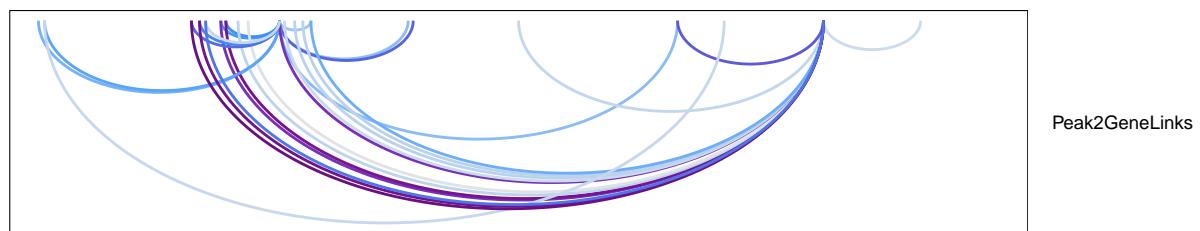
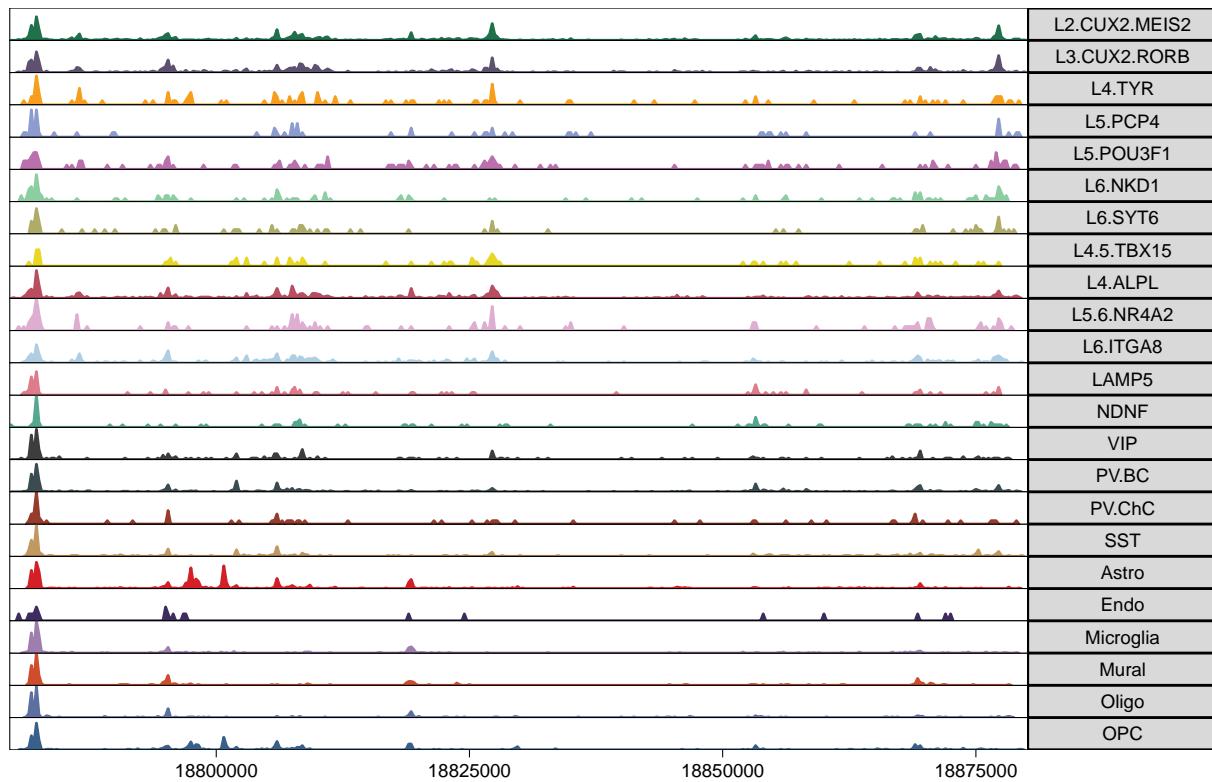
LoopTrack

GeneTrack

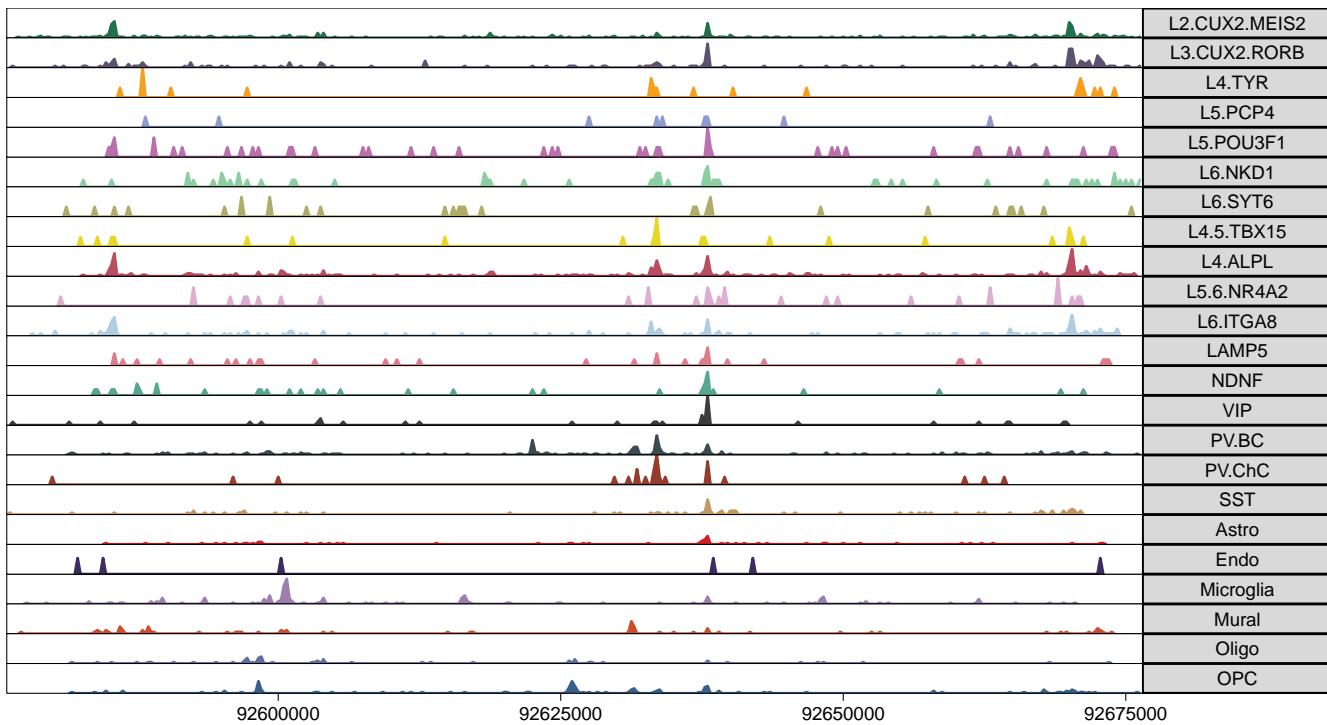
strand ● •

chr19:18779615–18880116 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.82) by ReadsInTSS)



chr13:92575976–92676477 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.73) by ReadsIntSS)

92600000 92625000 92650000 92675000

VIP

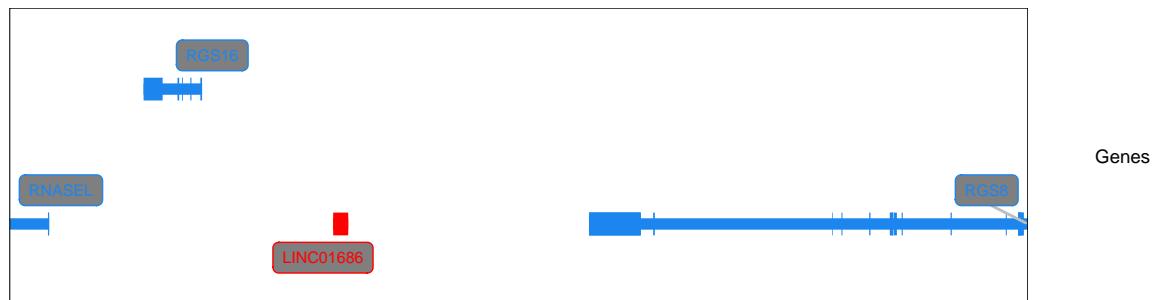
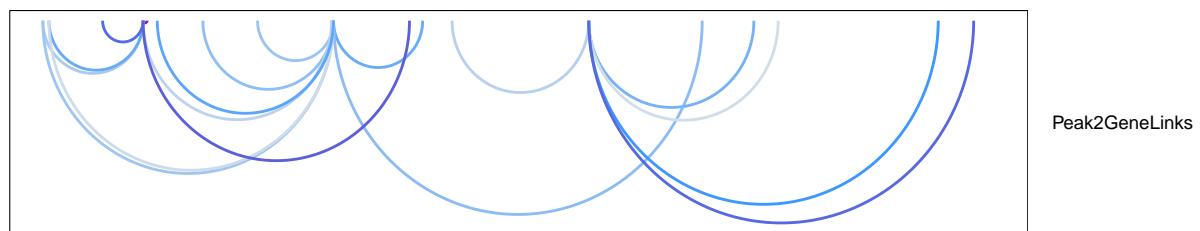
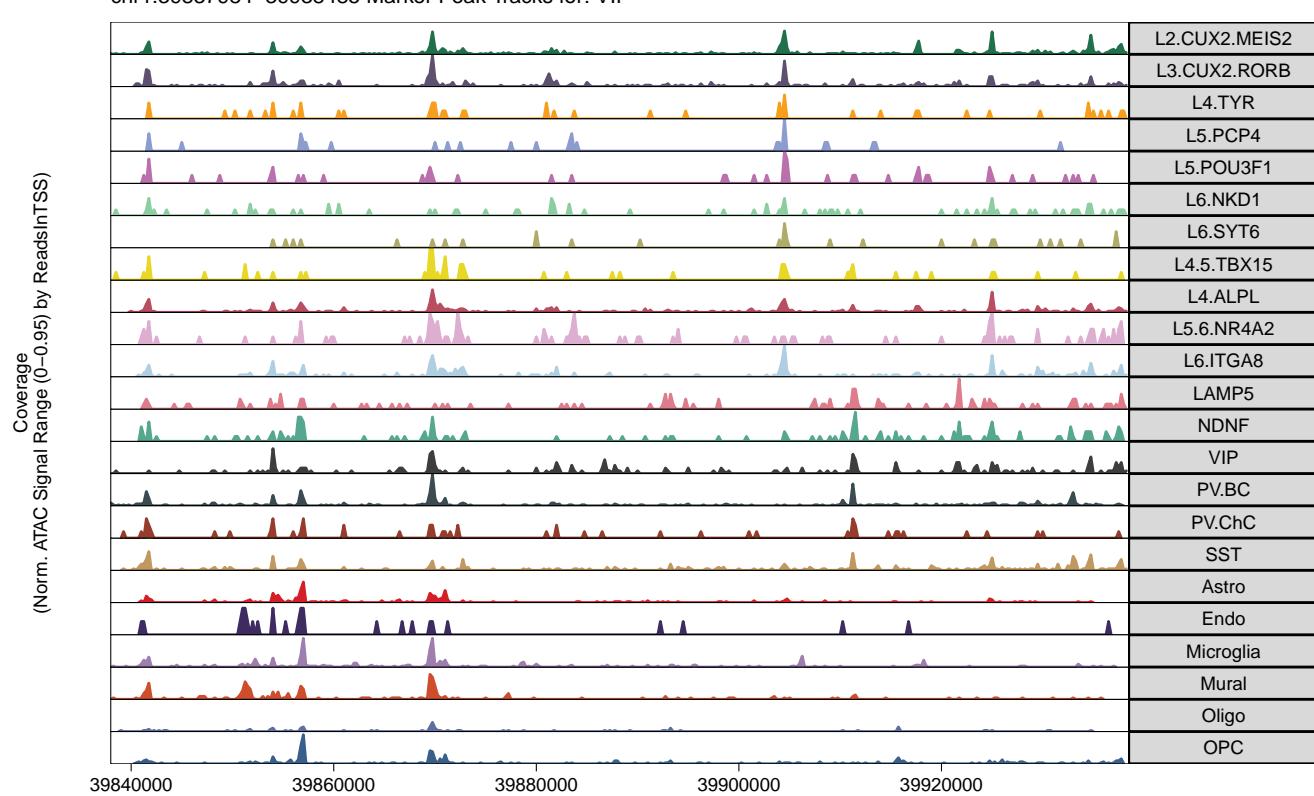
Peaks

LoopTrack

GeneTrack

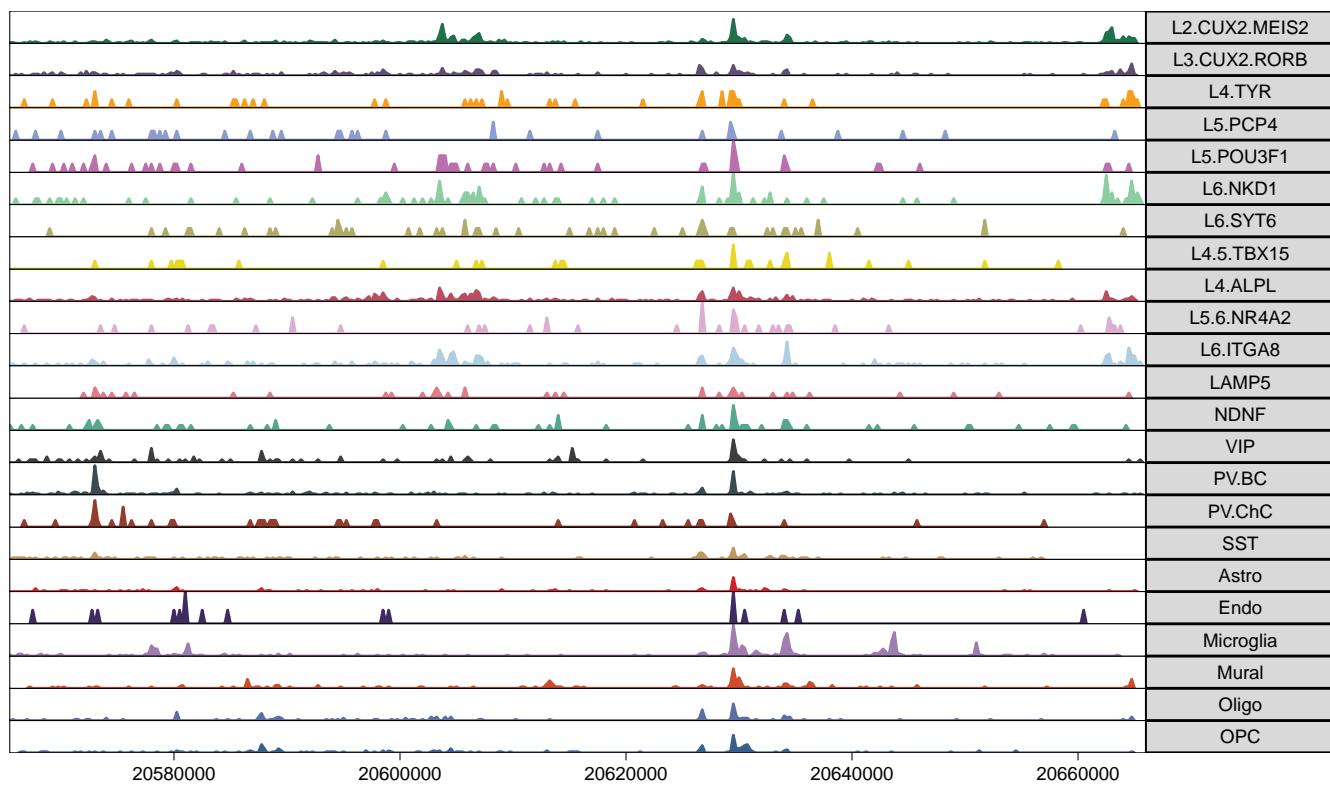
strand ● •

chr1:39837984–39938485 Marker Peak Tracks for: VIP



chr16:20565467–20665968 Marker Peak Tracks for: VIP

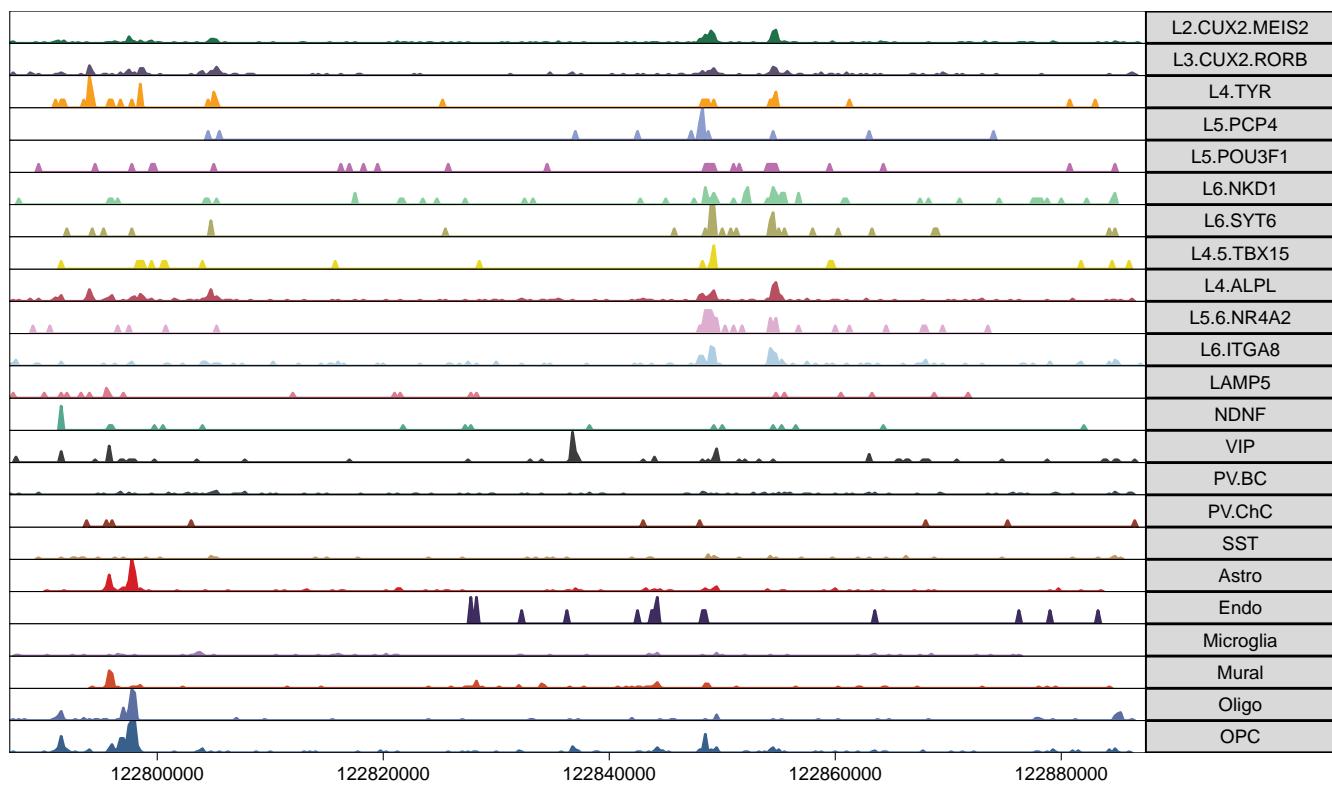
Coverage
(Norm. ATAC Signal Range (0–0.92) by ReadsInTSS)



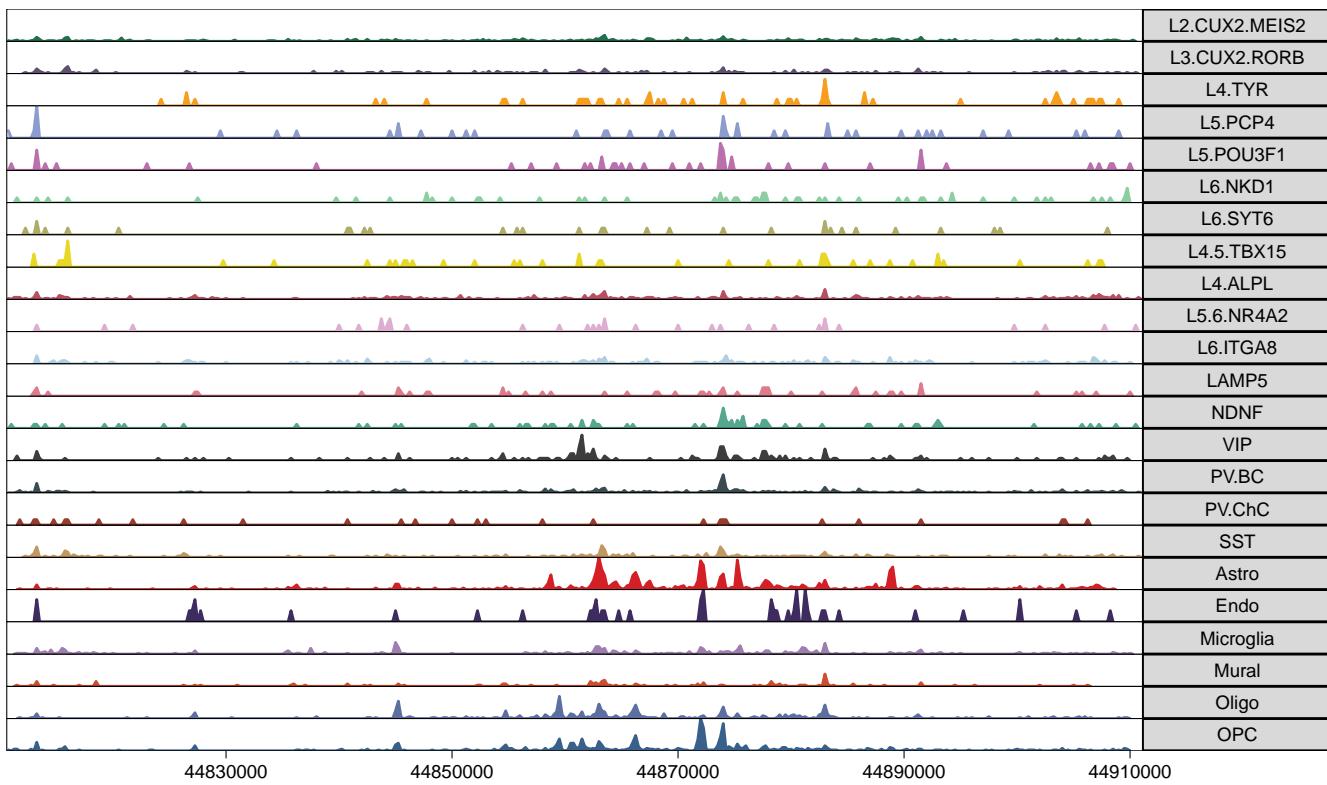
20580000 20600000 20620000 20640000 20660000



chr12:122786947–122887448 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.95) by ReadsInTSS)

chr20:44810595–44911096 Marker Peak Tracks for: VIP

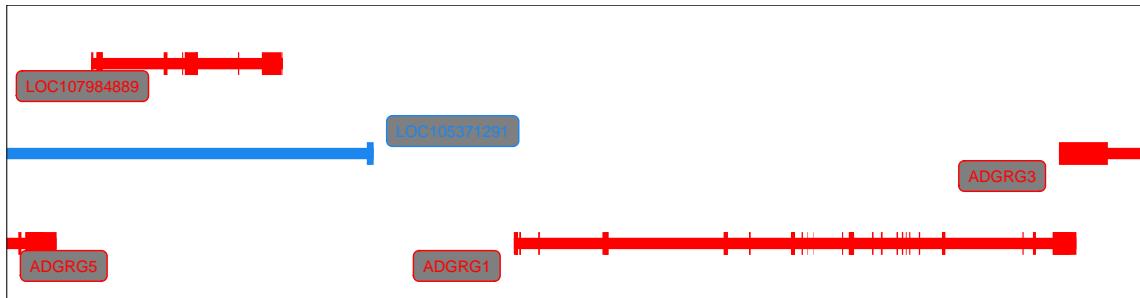
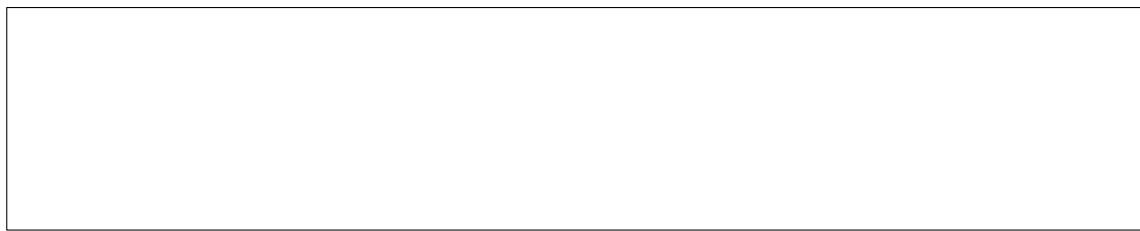
Coverage
(Norm. ATAC Signal Range (0-1.13) by ReadsInTSS)

VIP

II

Peaks

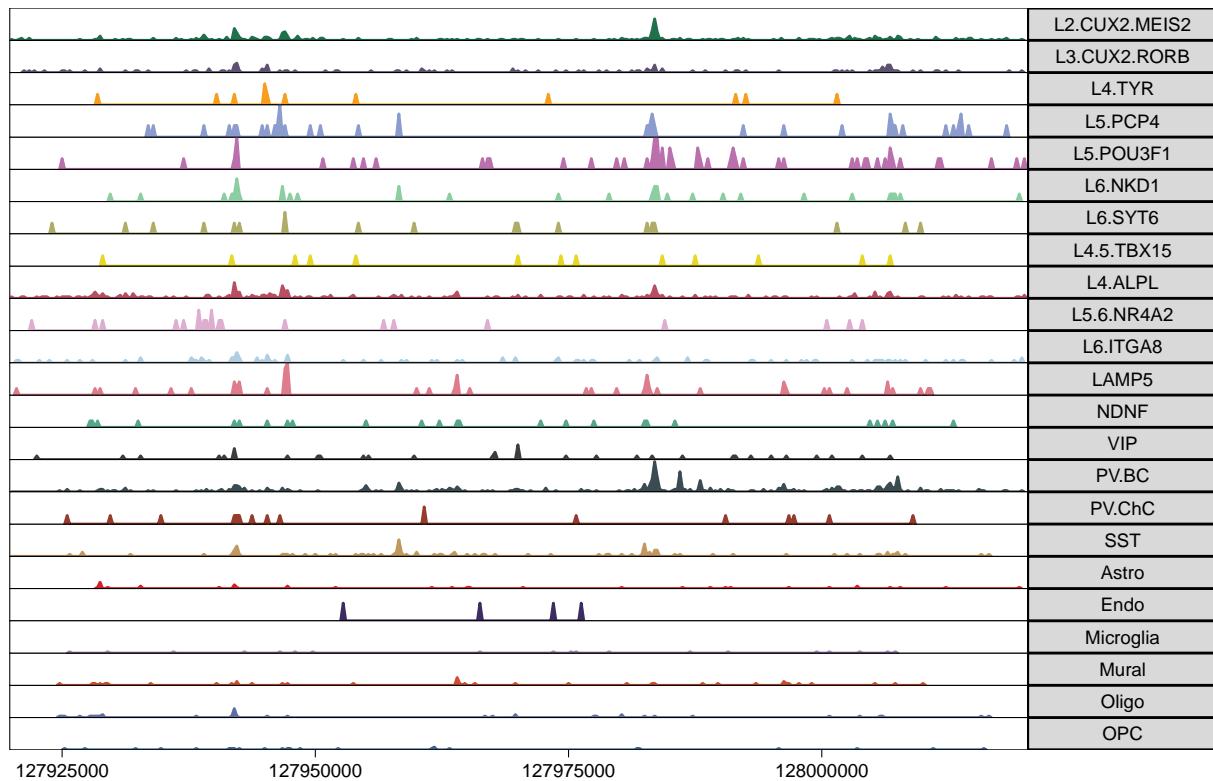
LoopTrack



Genes

chr11:127919830–128020331 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.7) by ReadsInTSS)



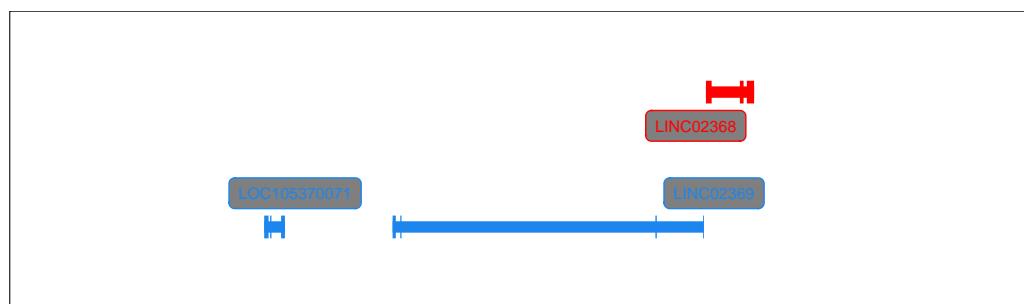
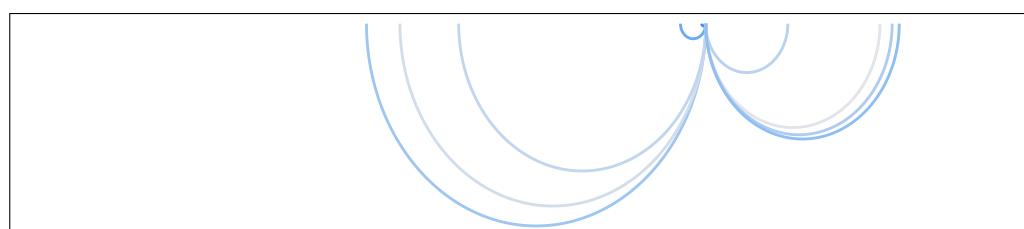
127925000 127950000 127975000 128000000



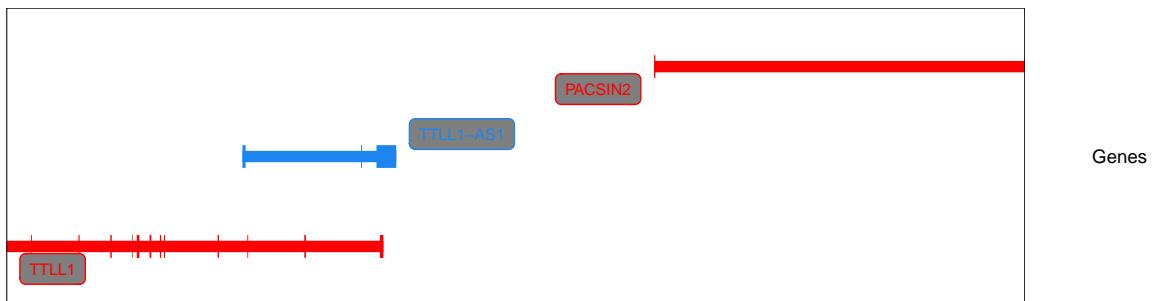
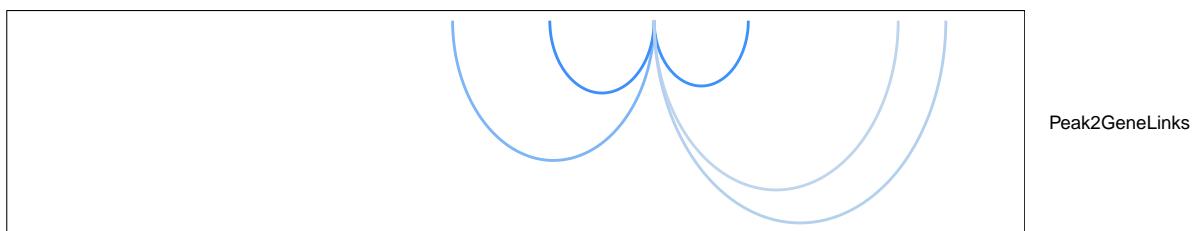
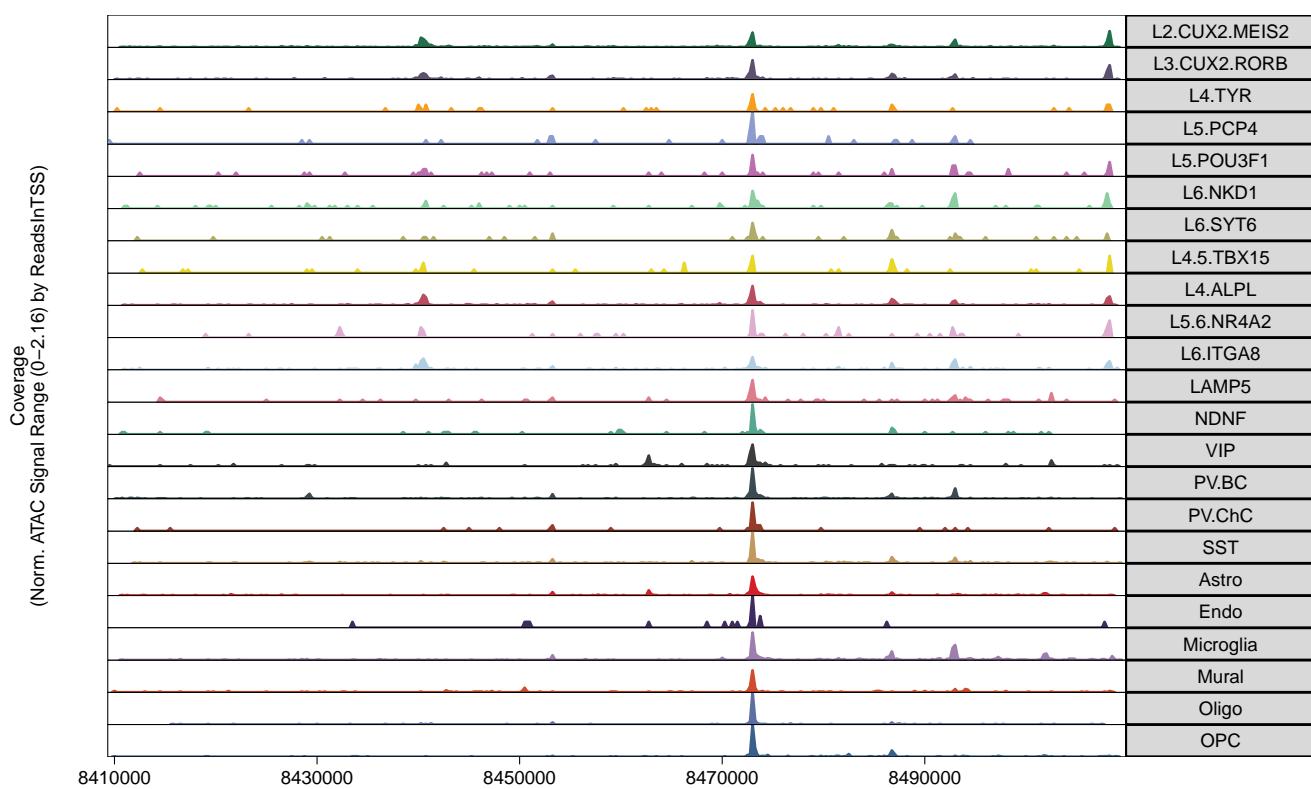
value

0.8
0.6
0.4
0.2

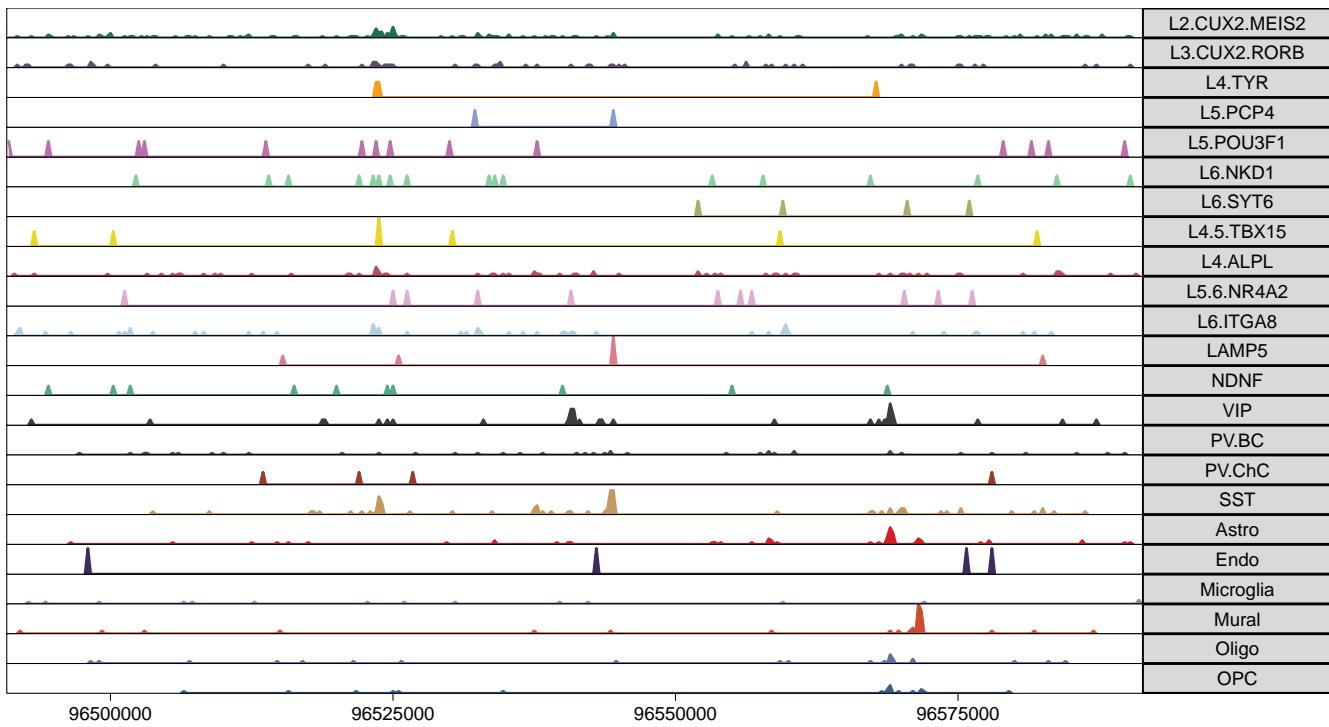
Peak2GeneLinks



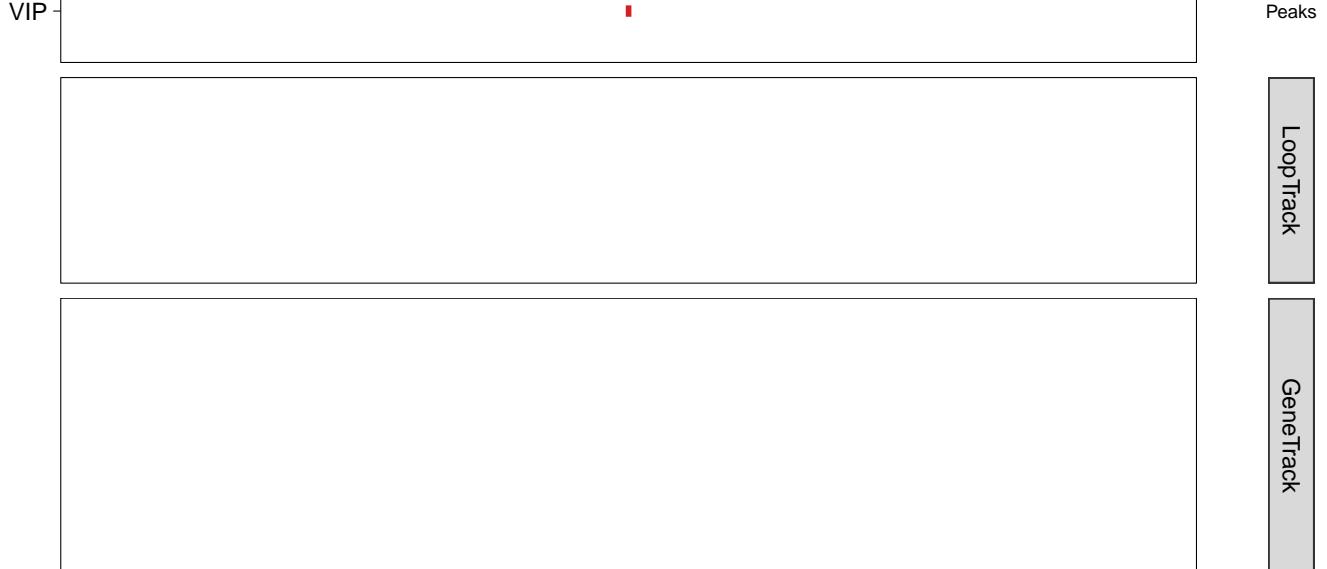
chr10:8409336–8509837 Marker Peak Tracks for: VIP



chr4:96490821–96591322 Marker Peak Tracks for: VIP

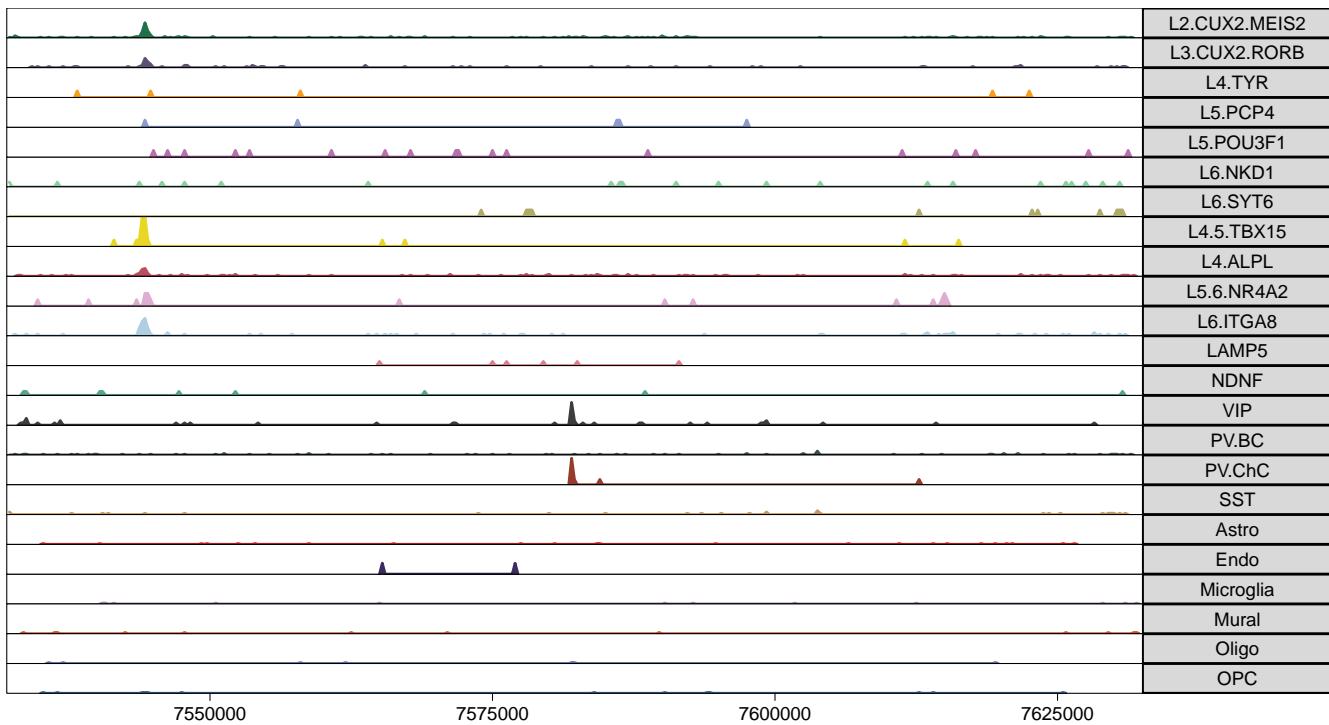
Coverage
(Norm. ATAC Signal Range (0–0.45) by ReadstTSS)

96500000 96525000 96550000 96575000



strand ● •

chr18:7532015–7632516 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.07) by ReadstTSS)

7550000 7575000 7600000 7625000

VIP

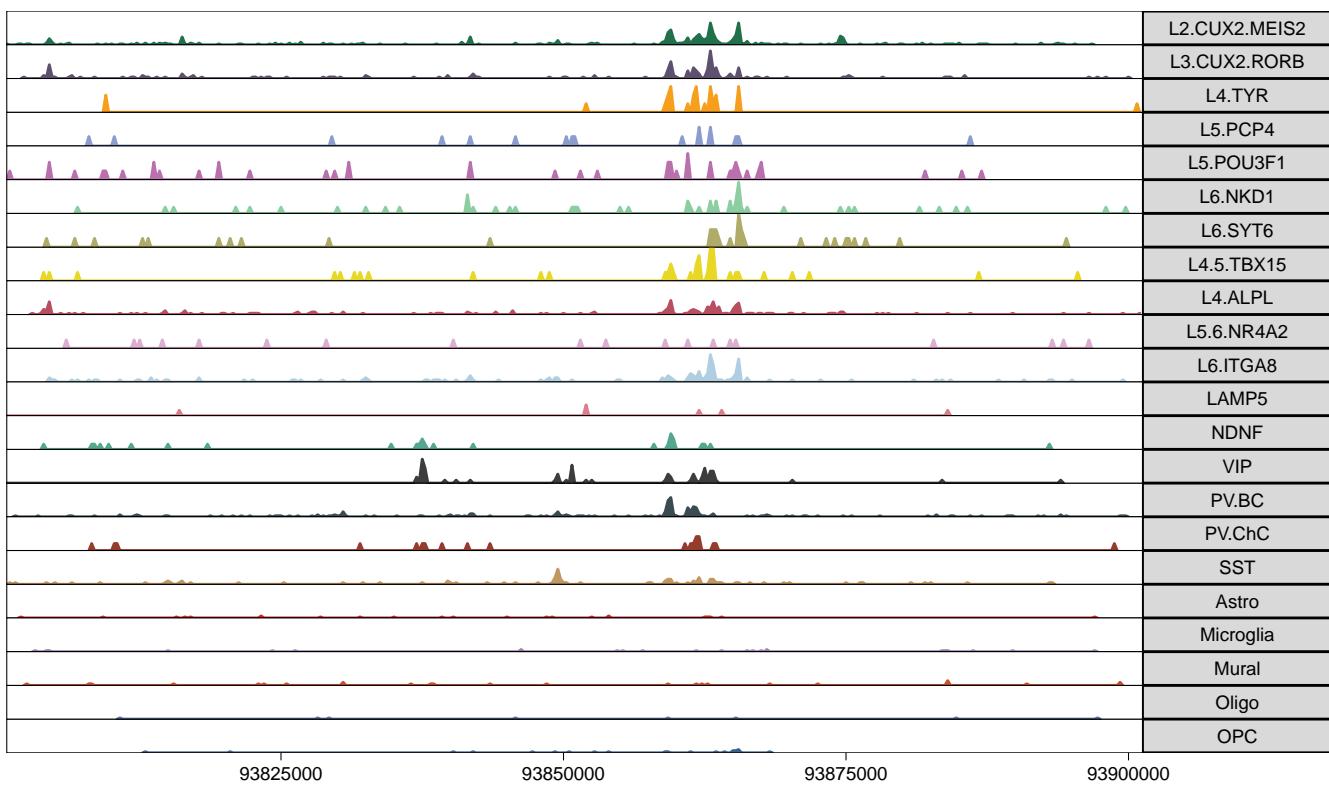
Peaks

LoopTrack

GeneTrack

strand ● •

chr13:93800732–93901233 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.92) by ReadInTSS)

93825000 93850000 93875000 93900000

VIP

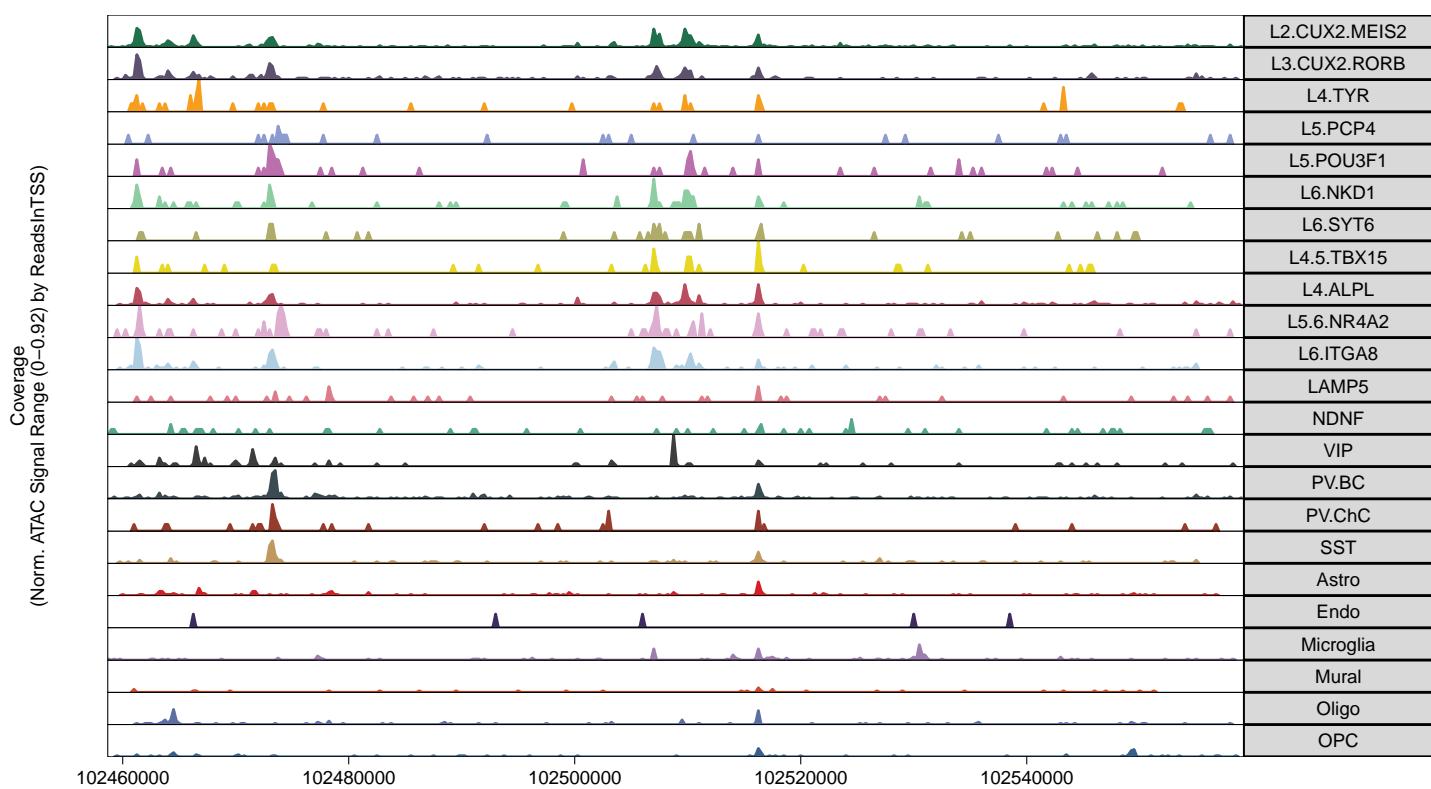
Peaks

LoopTrack

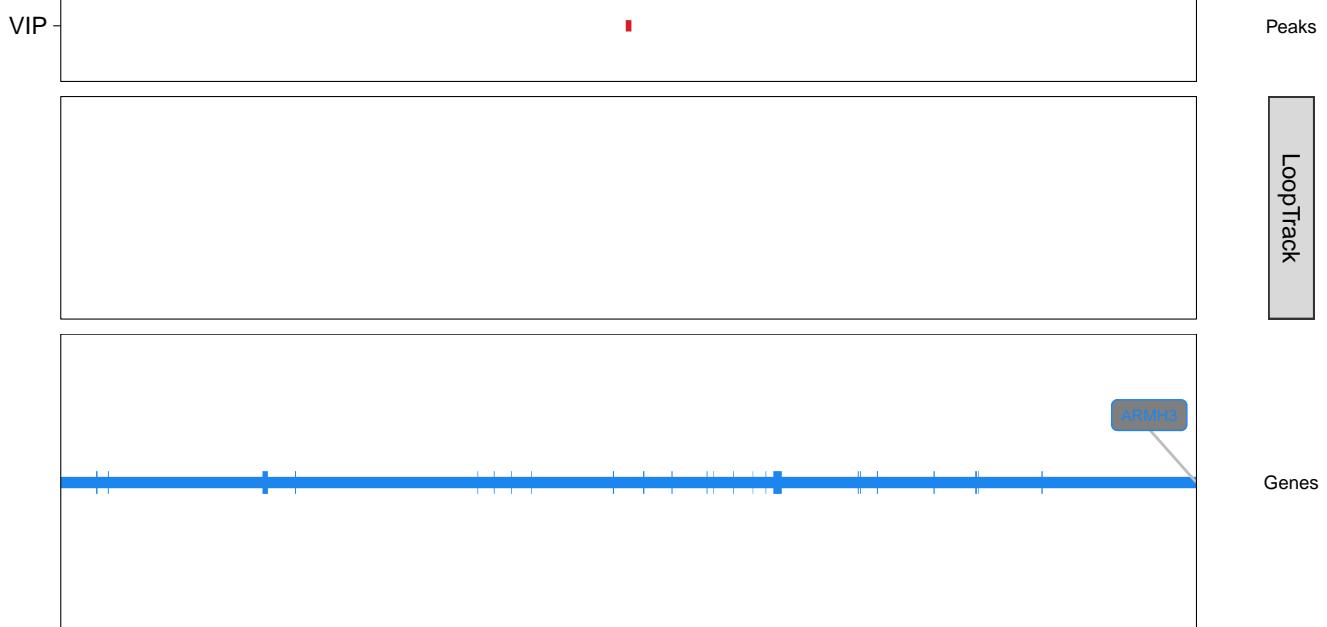
Genes

NBAS

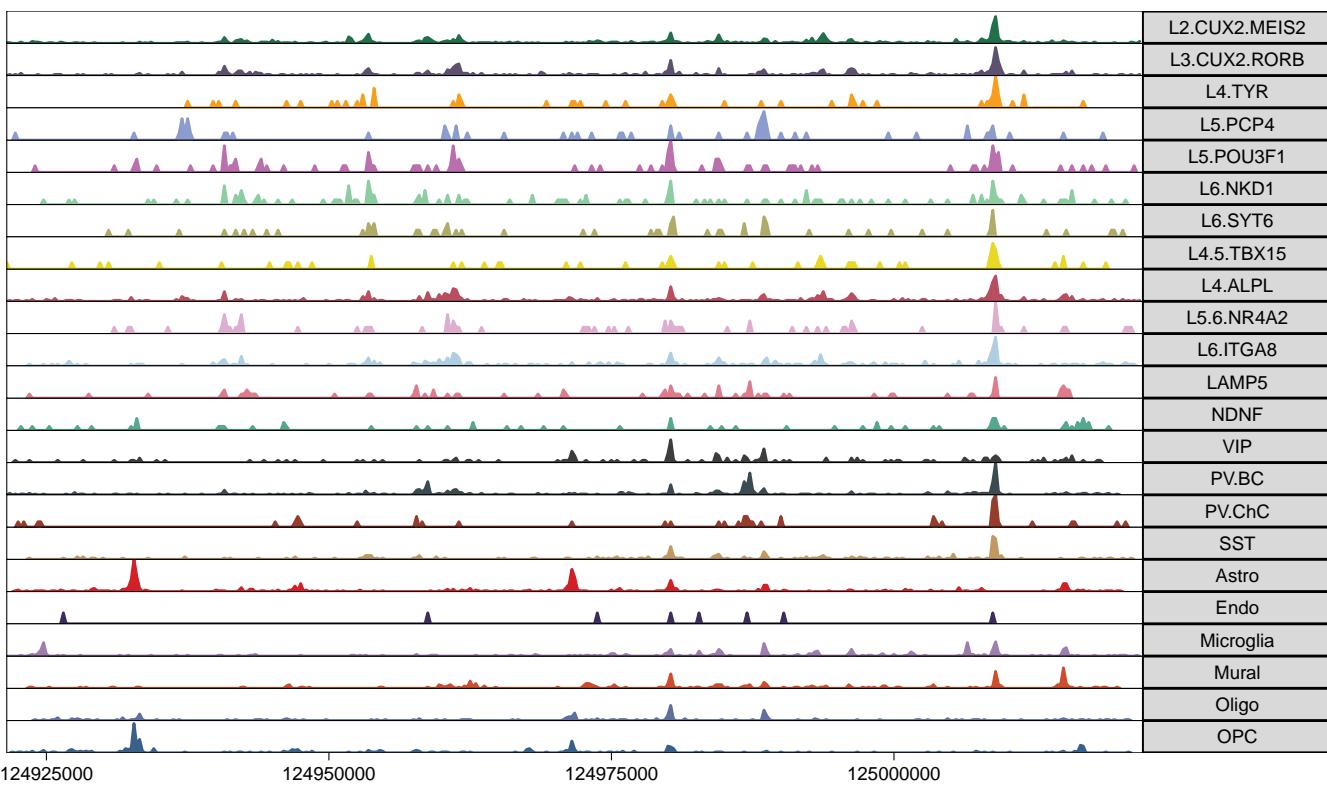
chr9:102458676–102559177 Marker Peak Tracks for: VIP



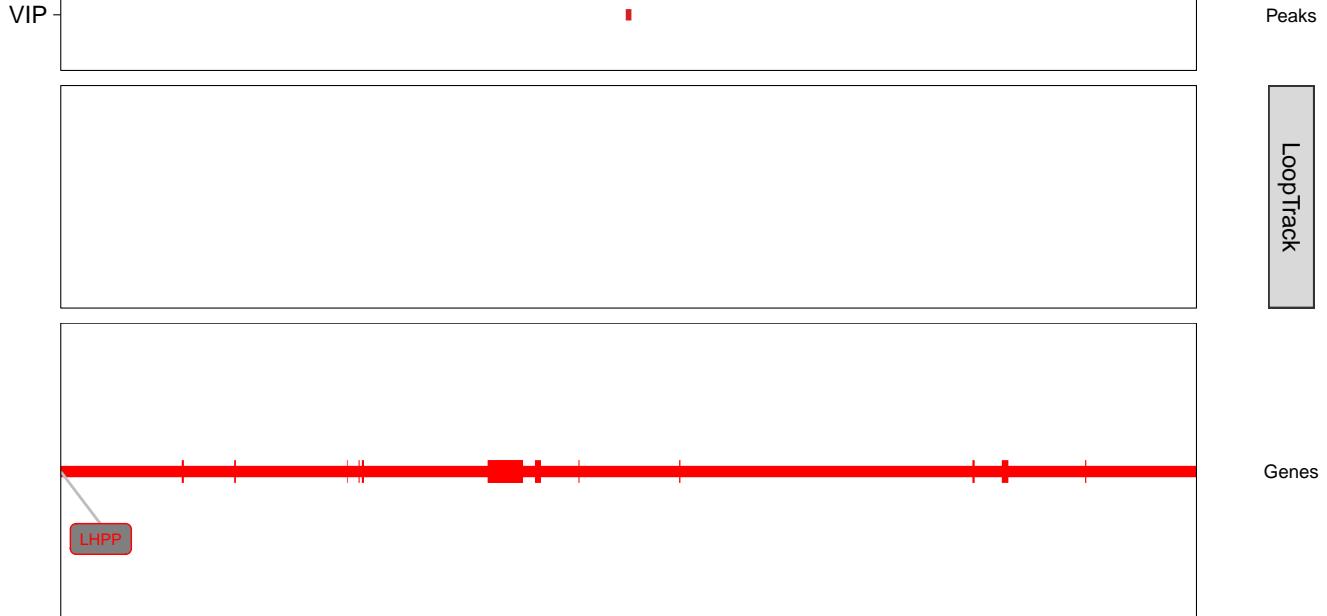
102460000 102480000 102500000 102520000 102540000



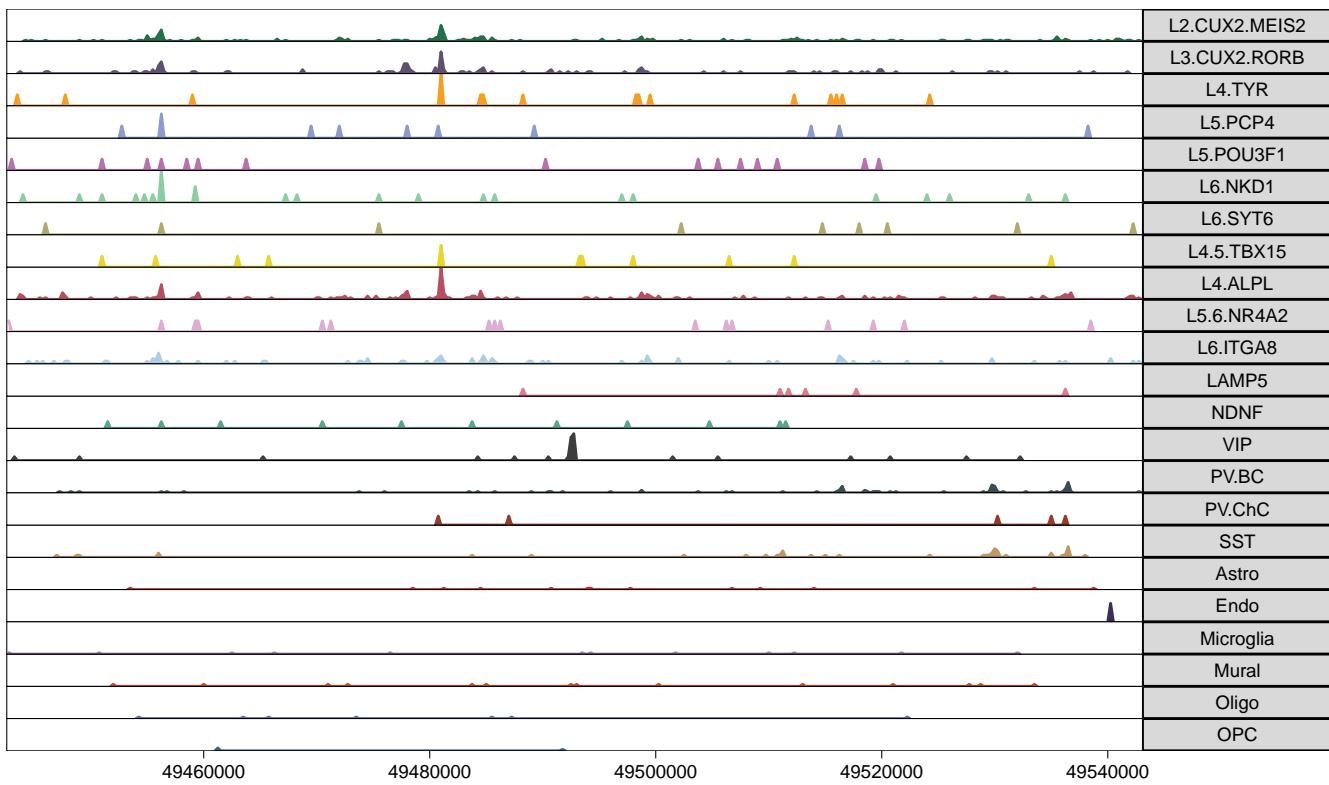
chr9:124921490–125021991 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.15) by ReadsInTSS)

124925000 124950000 124975000 125000000



chr17:49442569–49543070 Marker Peak Tracks for: VIP

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

VIP

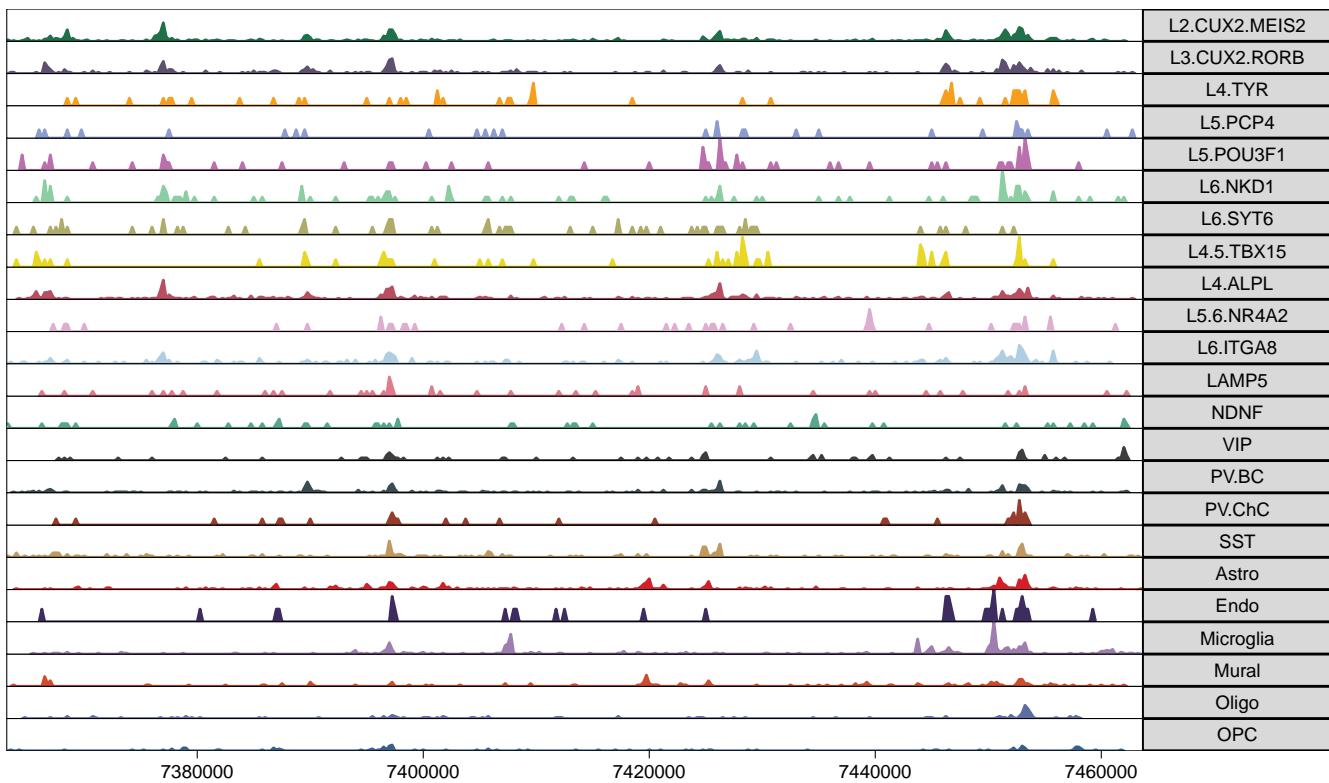
Peaks

LoopTrack

LOC101927072

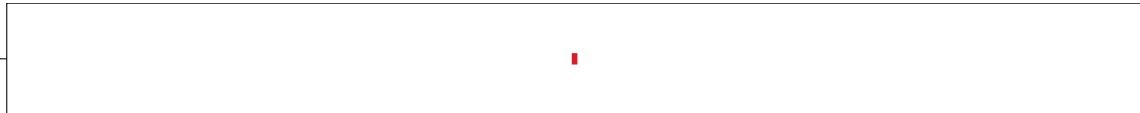
Genes

chr10:7363142–7463643 Marker Peak Tracks for: VIP

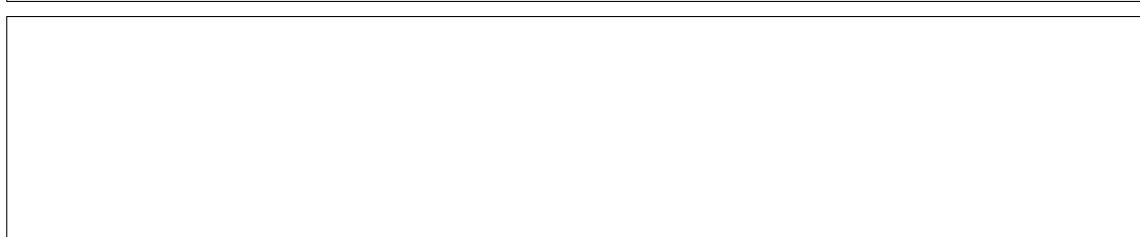
Coverage
(Norm. ATAC Signal Range (0–0.99) by ReadInTSS)

VIP

Peaks



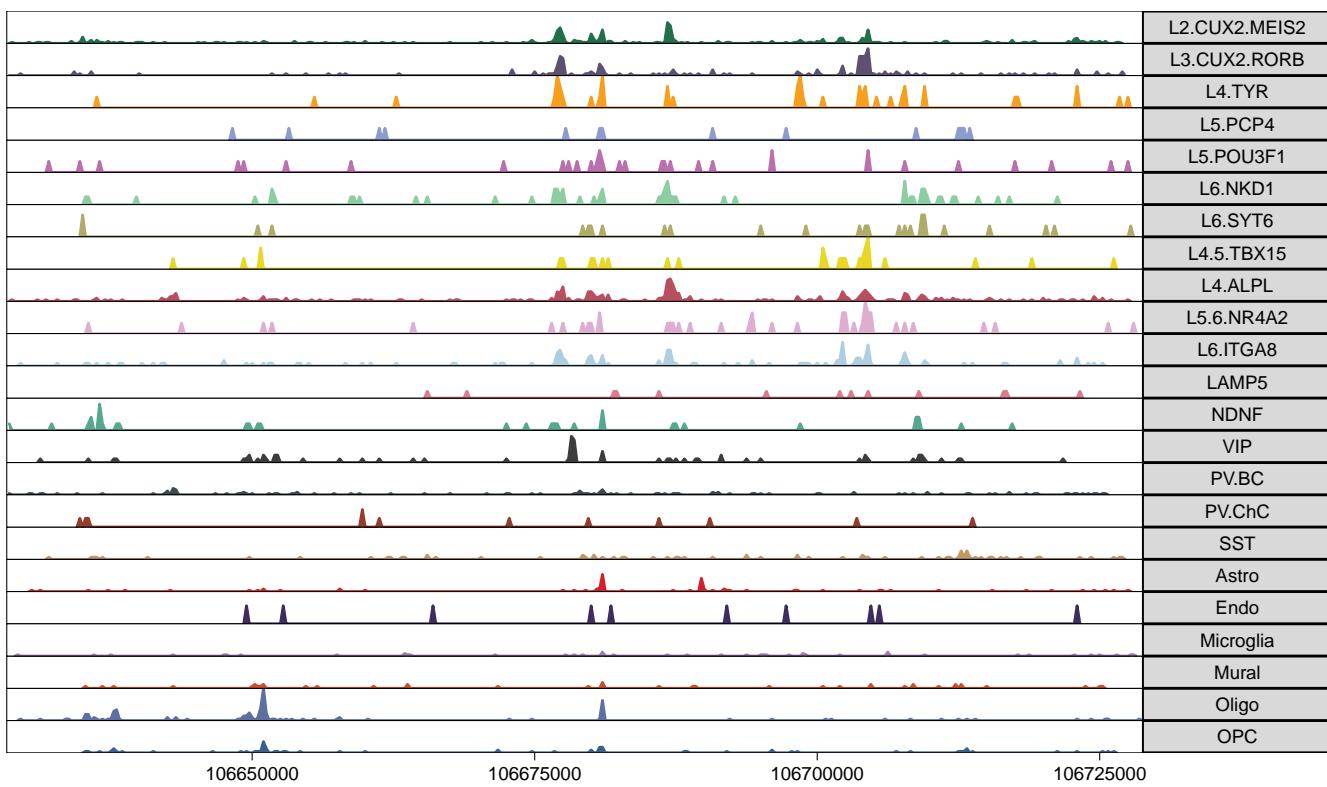
LoopTrack



Genes



chr14:106628281–106728782 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0-0.7) by ReadsInTSS)

106650000 106675000 106700000 106725000

VIP

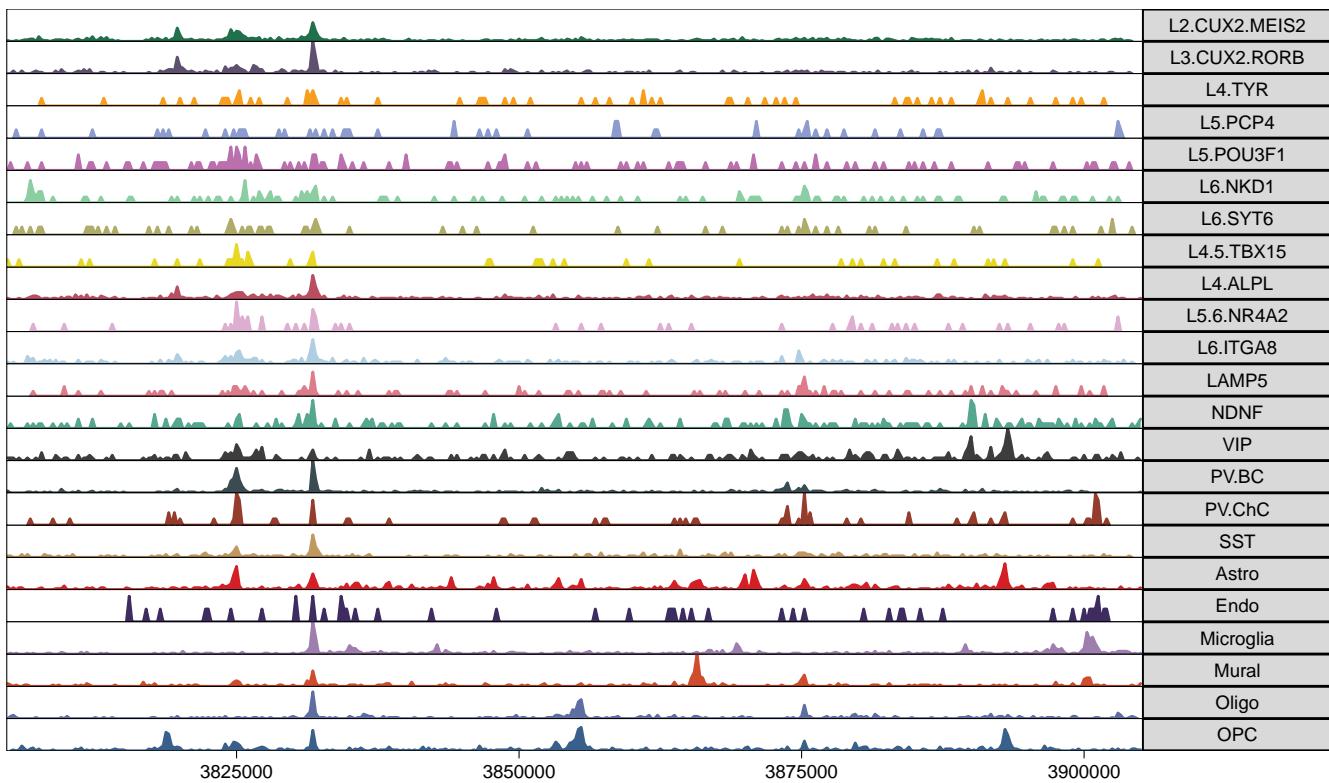
Peaks

LoopTrack

LOC105369501

Genes

chr15:3804664–3905165 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.98) by ReadsInTSS)

VIP

Peaks

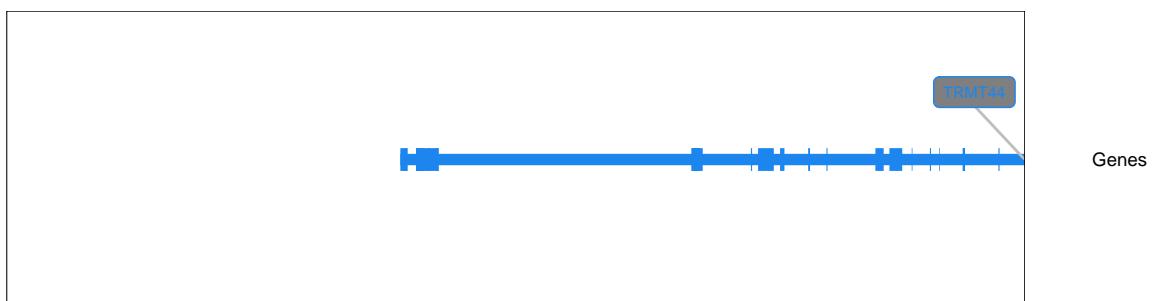
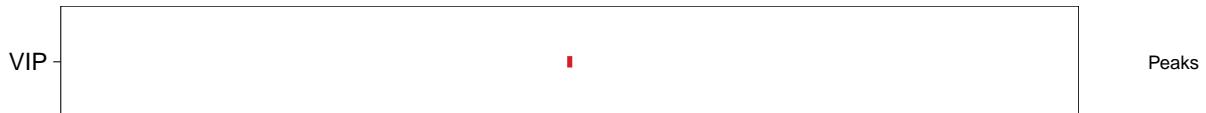
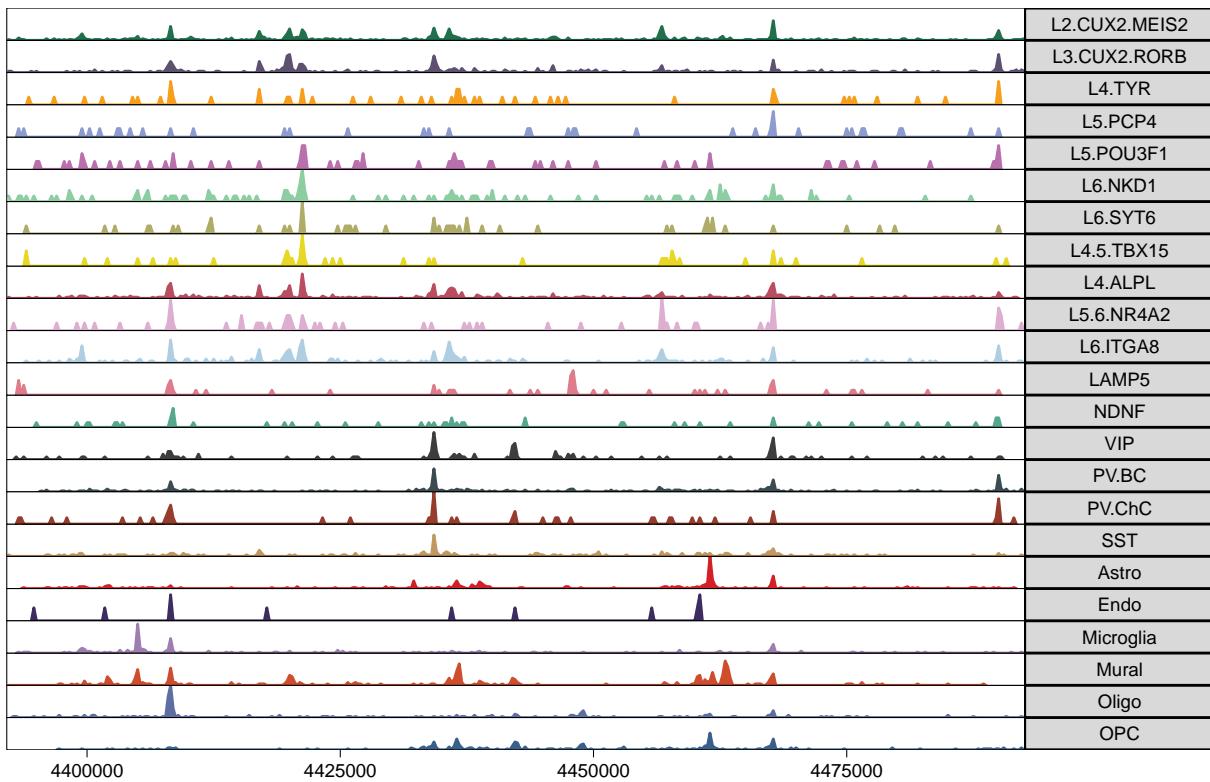
LoopTrack

RXRA

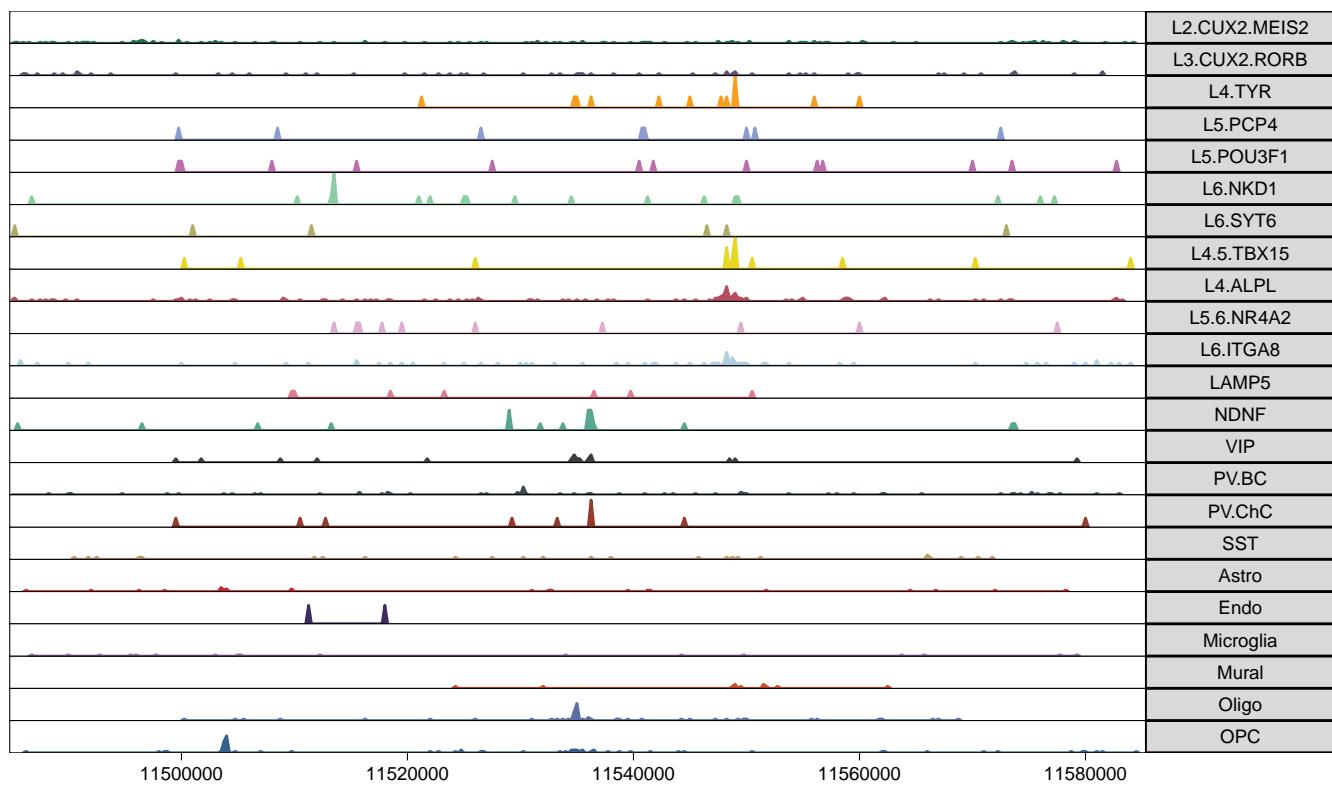
Genes

chr5:4392072–4492573 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.97) by ReadsInTSS)



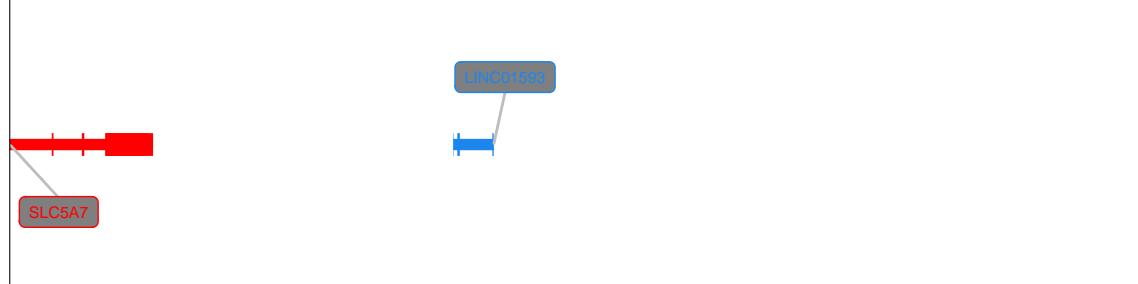
chr13:11484805–11585306 Marker Peak Tracks for: VIP

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

VIP

Peaks

LoopTrack

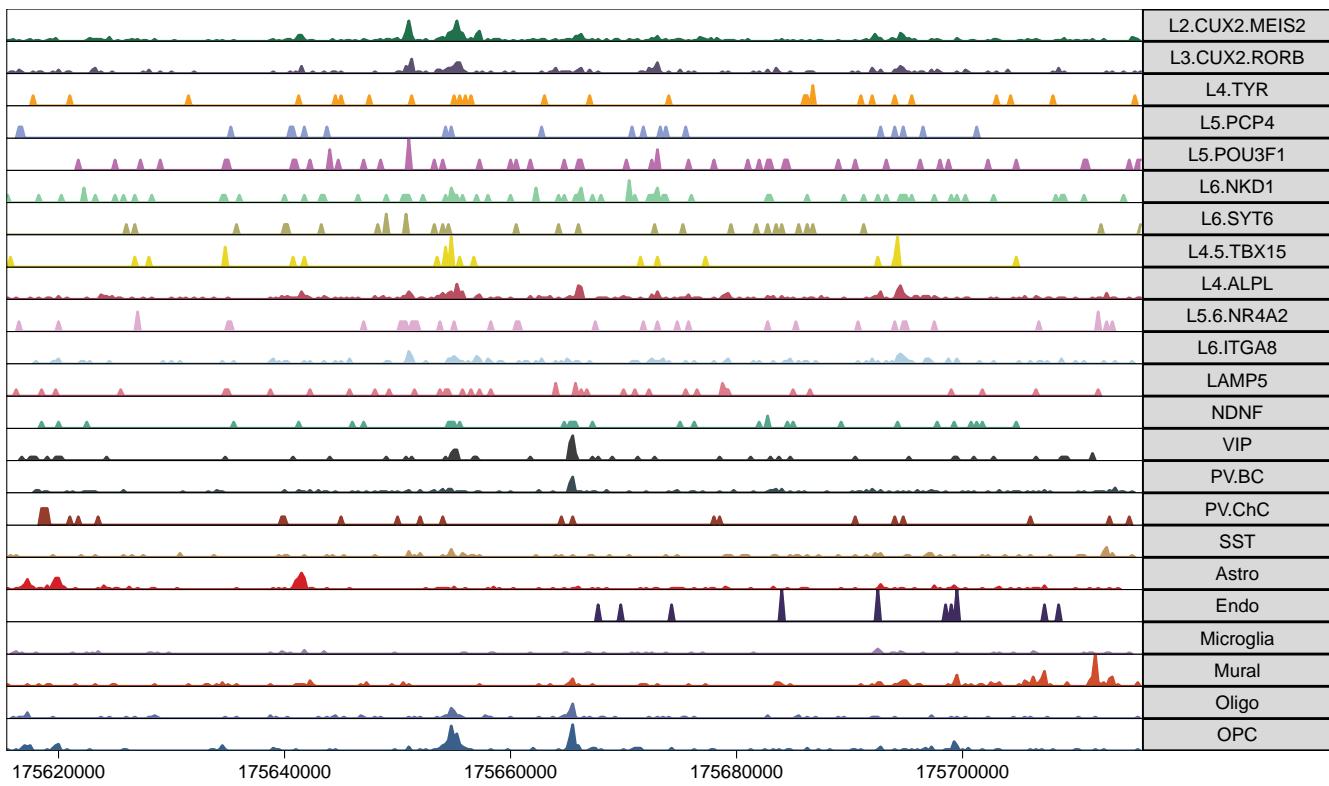


Genes

SLC5A7

LINC01593

chr6:175615417-175715918 Marker Peak Tracks for: VIP

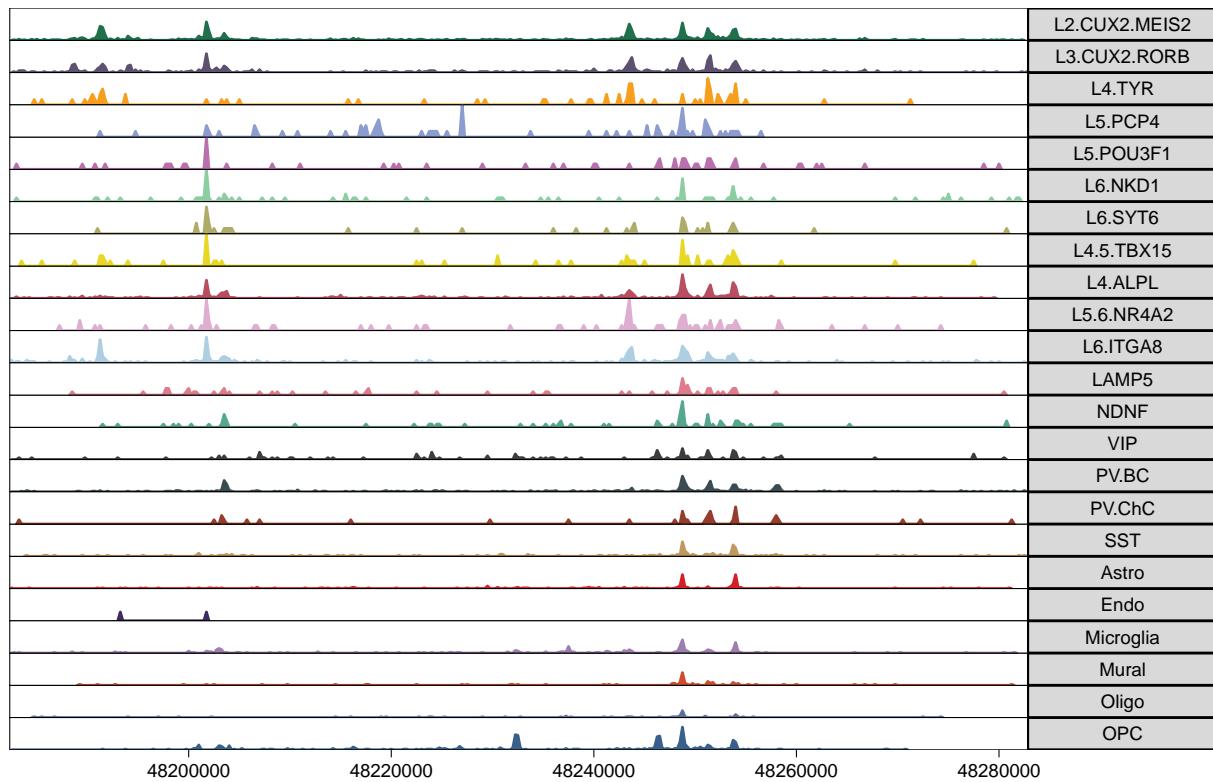
Coverage
(Norm. ATAC Signal Range (0–0.74) by ReadsInTSS)

175620000 175640000 175660000 175680000 175700000

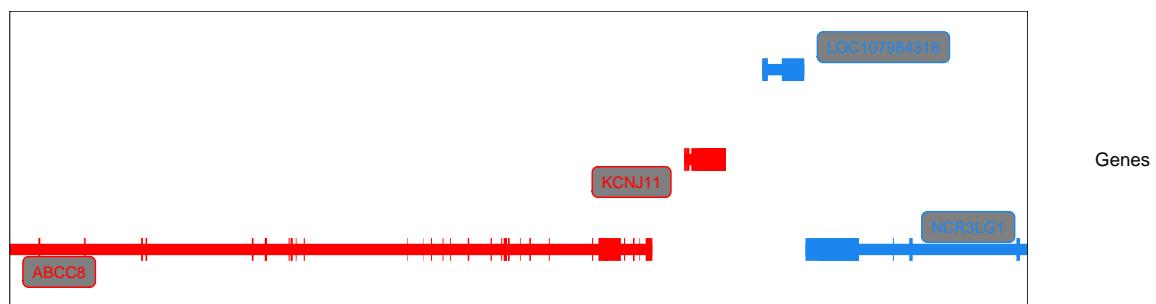
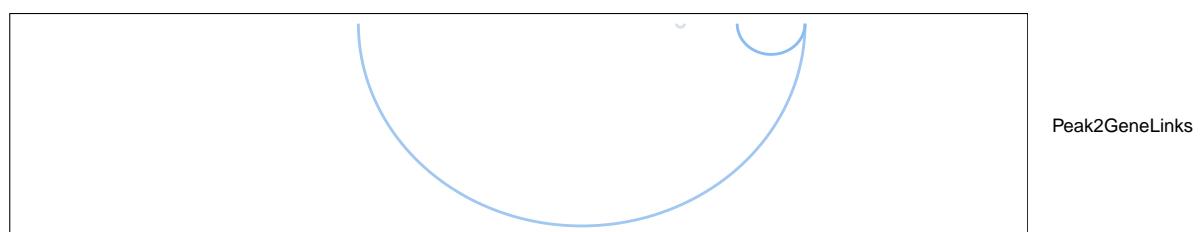


chr14:48182333–48282834 Marker Peak Tracks for: VIP

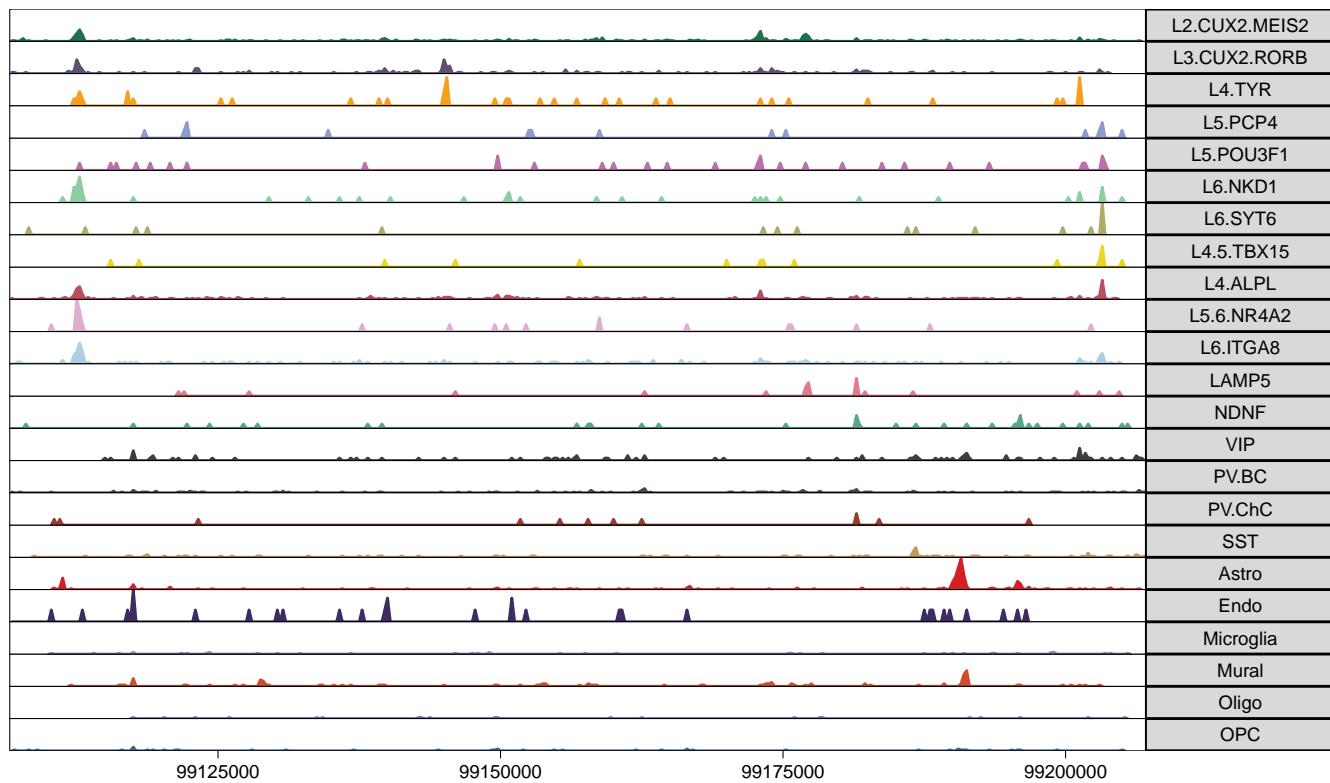
Coverage
(Norm. ATAC Signal Range (0–1.43) by ReadsInTSS)



48200000 48220000 48240000 48260000 48280000



chr2:99106569–99207070 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.06) by ReadsInTSS)

99125000 99150000 99175000 99200000

VIP

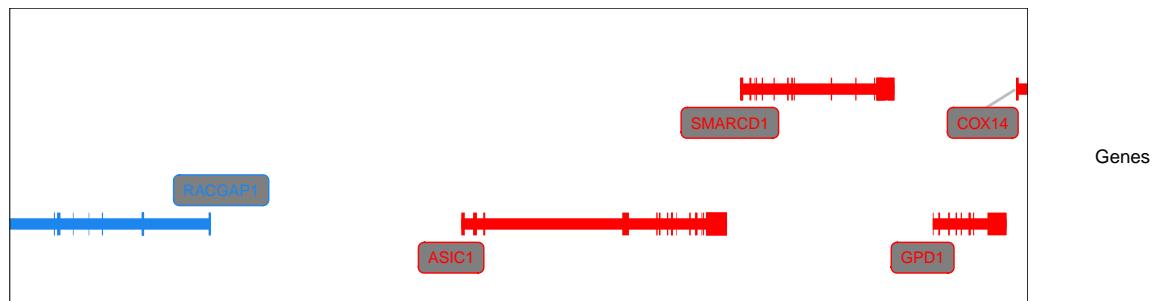
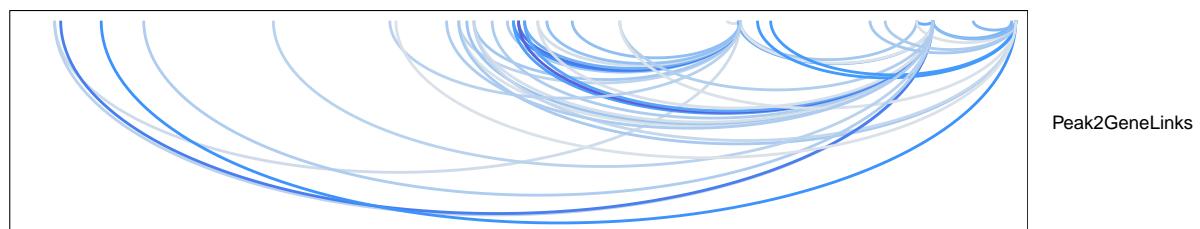
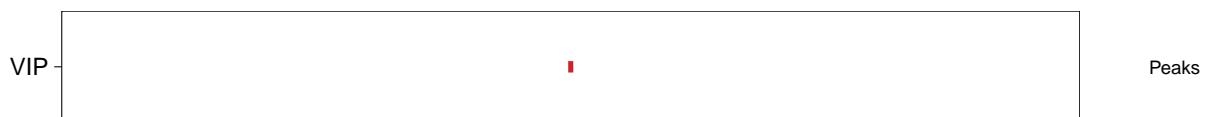
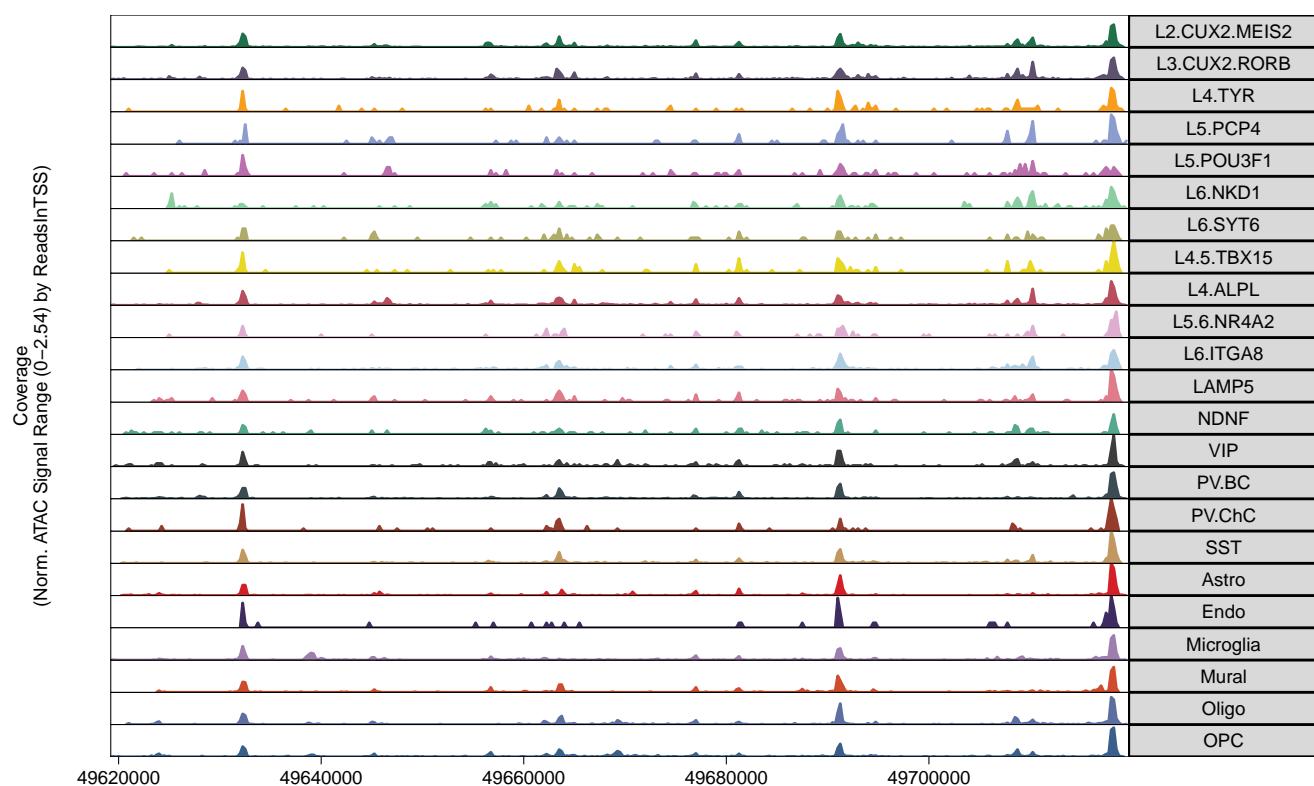
Peaks

LoopTrack

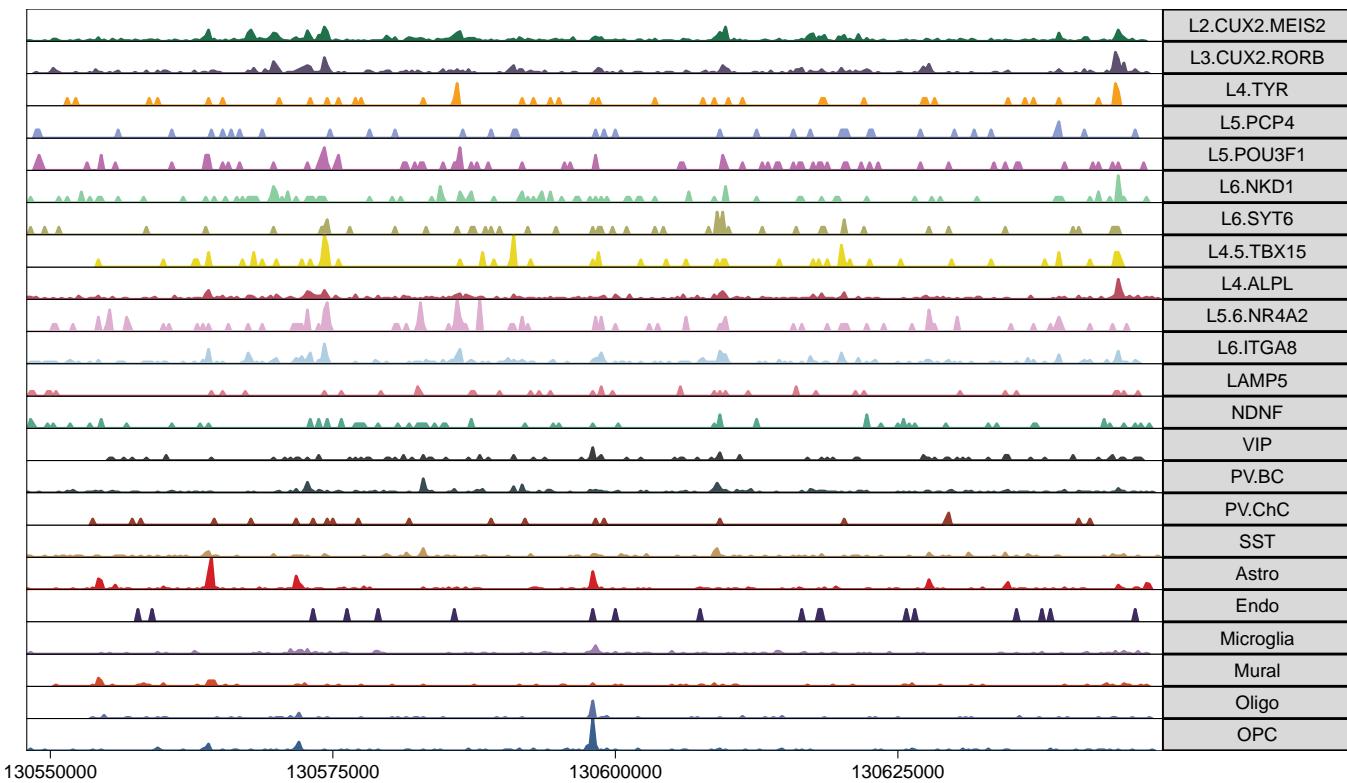
LOC105377052

Genes

chr11:49619225–49719726 Marker Peak Tracks for: VIP



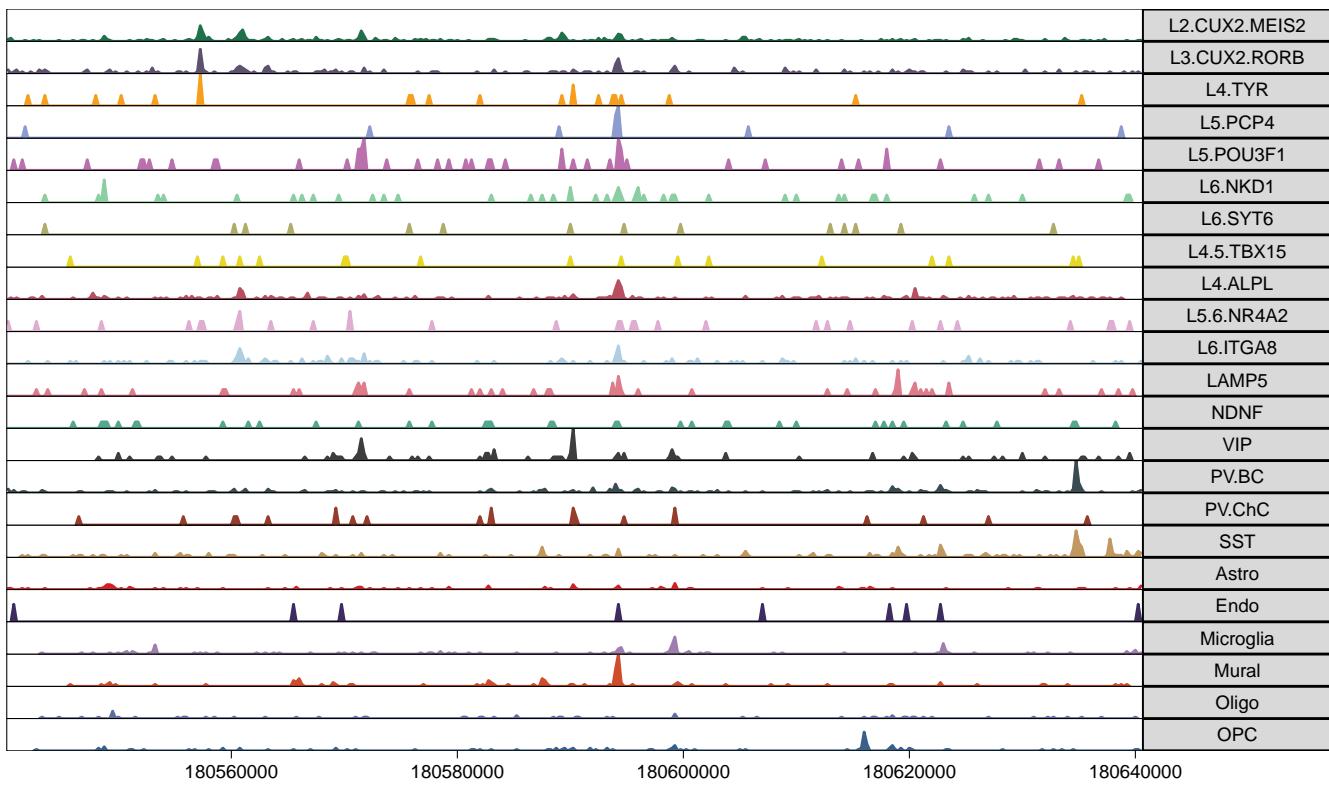
chr8:130547911–130648412 Marker Peak Tracks for: VIP

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

130550000 130575000 130600000 130625000



chr1:180540125–180640626 Marker Peak Tracks for: VIP

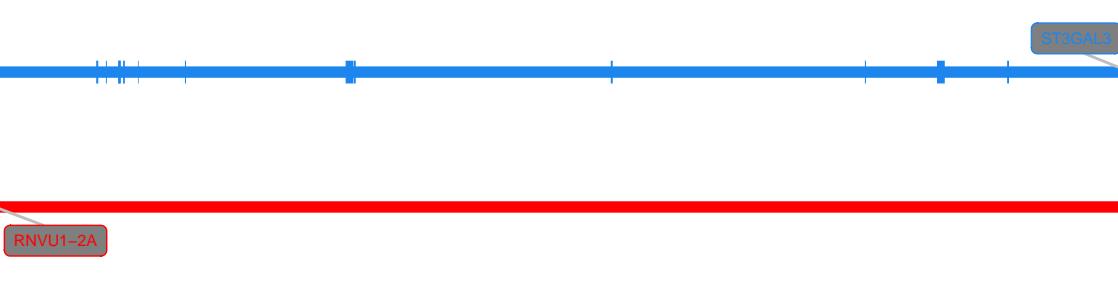
Coverage
(Norm. ATAC Signal Range (0–0.72) by ReadsInTSS)

VIP

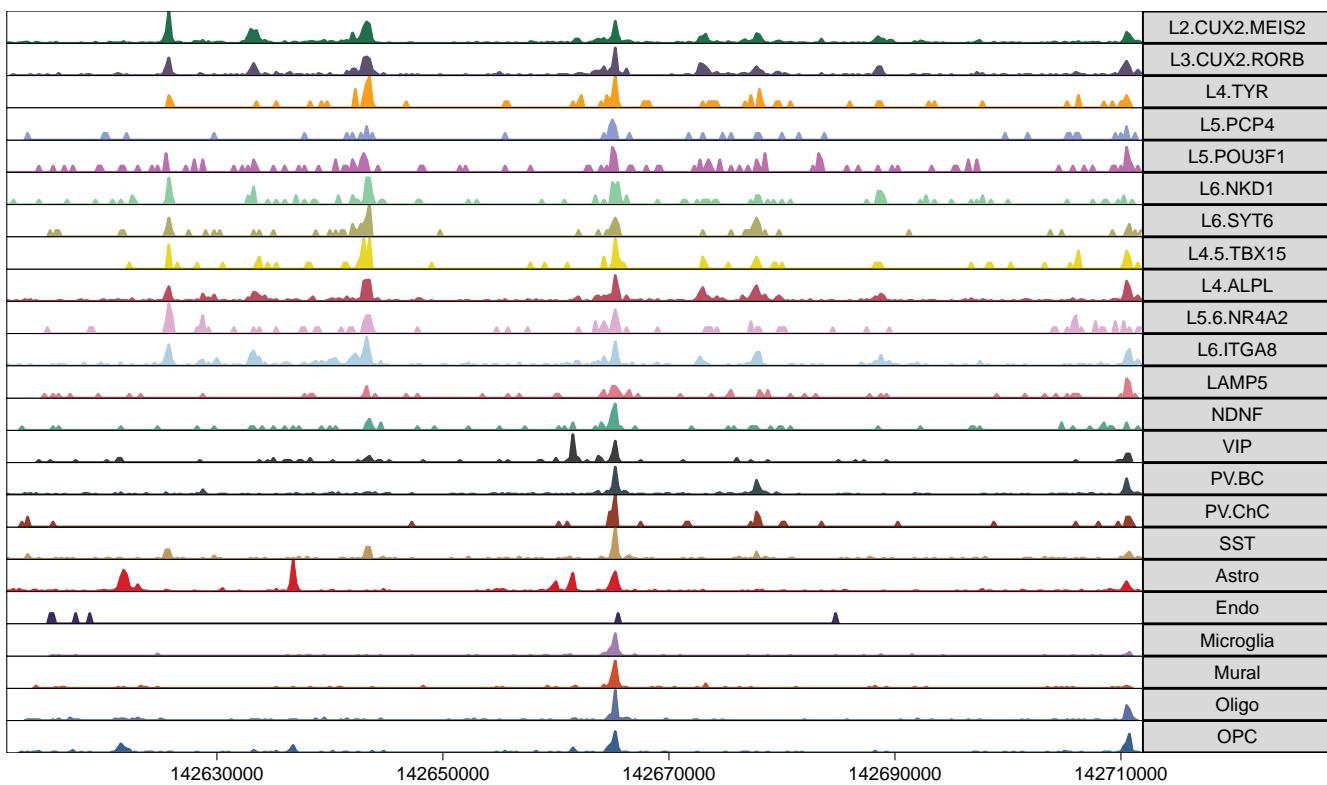
Peaks

LoopTrack

Genes



chr8:142611402–142711903 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.22) by ReadInTSS)

VIP

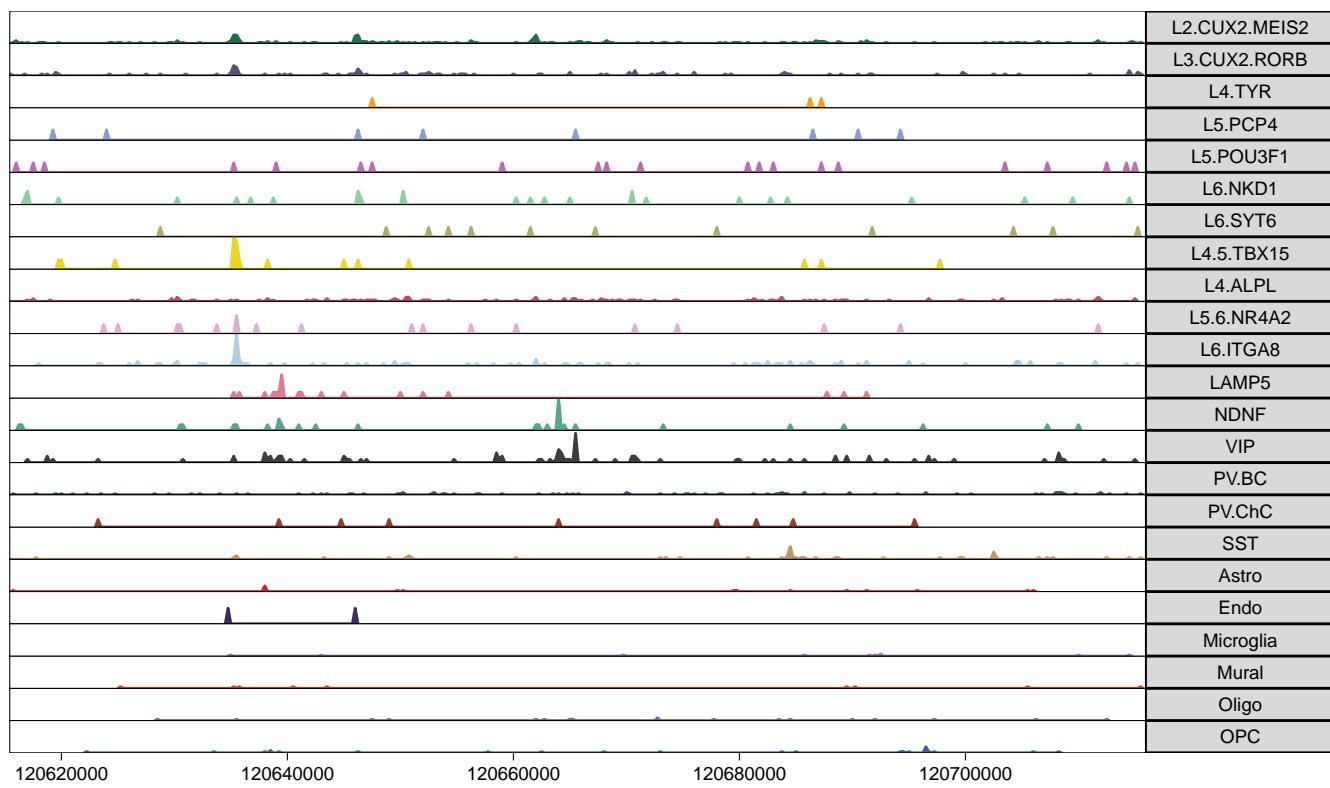
Peaks

LoopTrack

TSNARE1

Genes

chr9:120615430–120715931 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.81) by ReadsInTSS)

120620000 120640000 120660000 120680000 120700000

VIP

Peaks

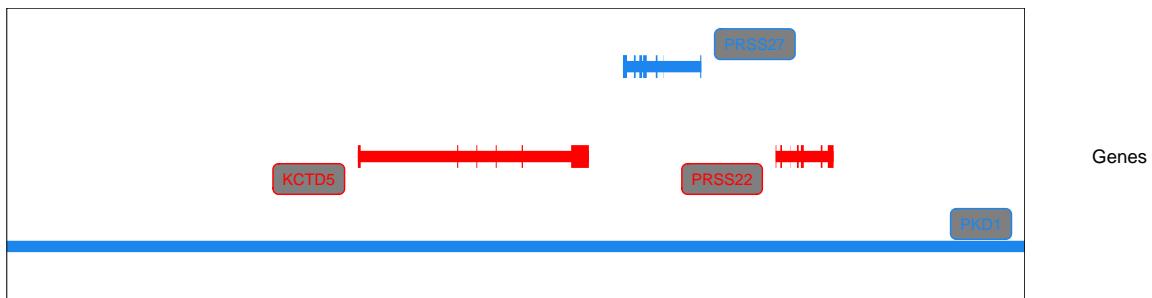
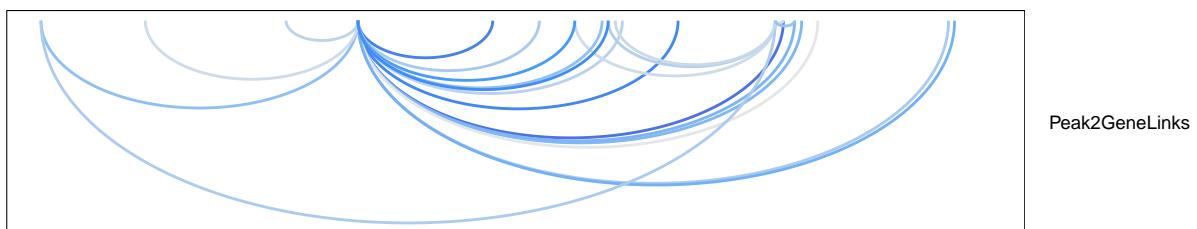
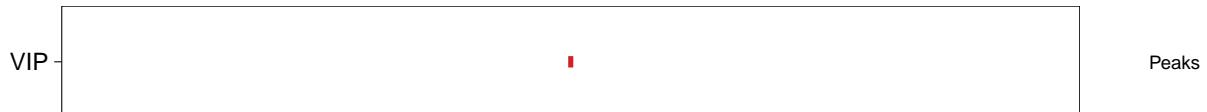
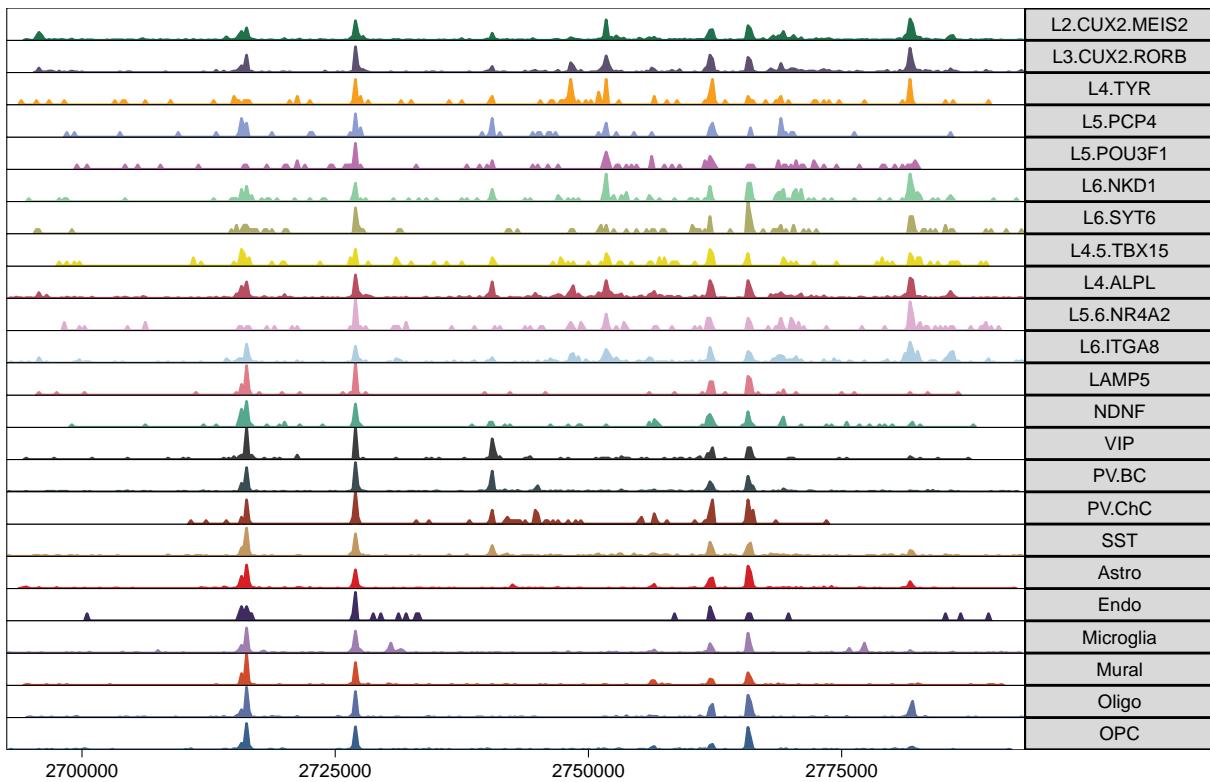
LoopTrack

Genes

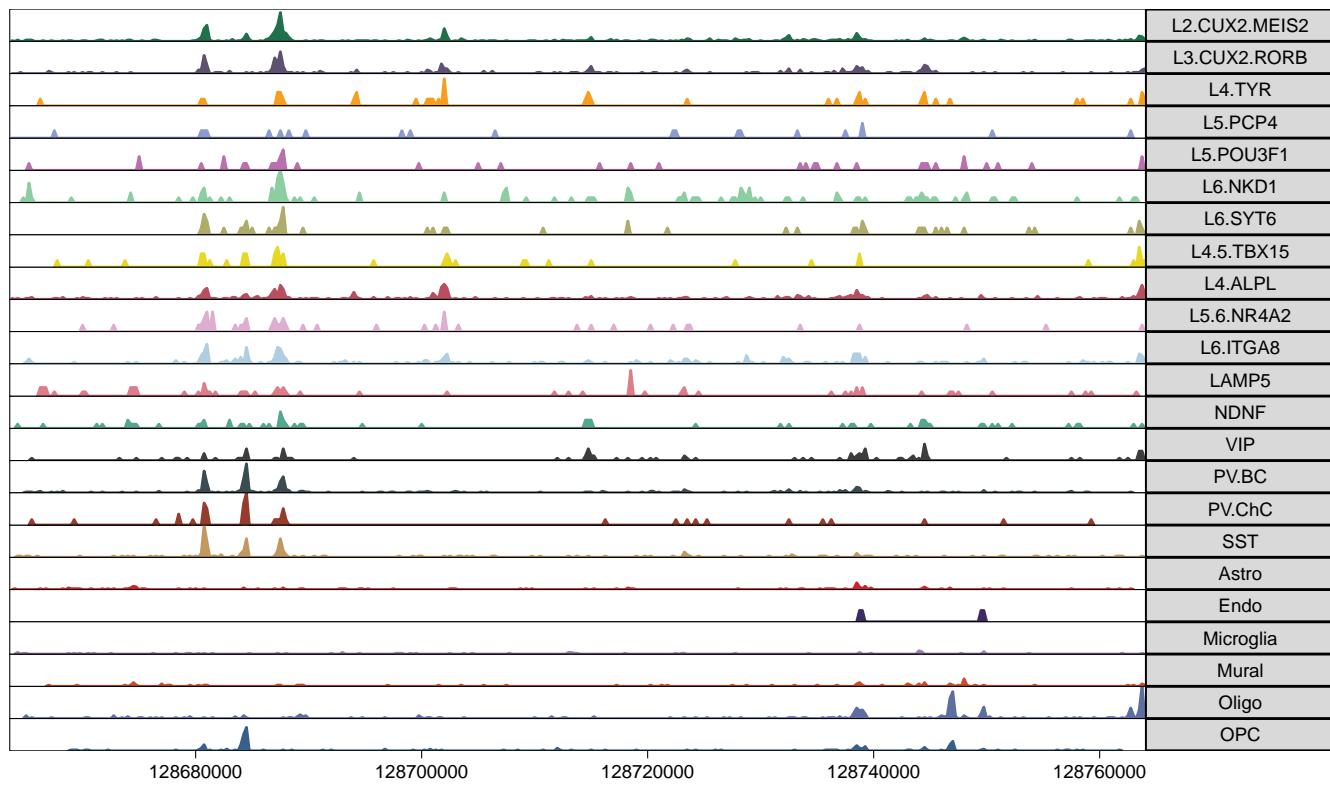
LOC105378515

chr20:2692571–2793072 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.78) by ReadsInTSS)



chr2:128663550–128764051 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0-1.1) by ReadsInTSS)

VIP

Peaks

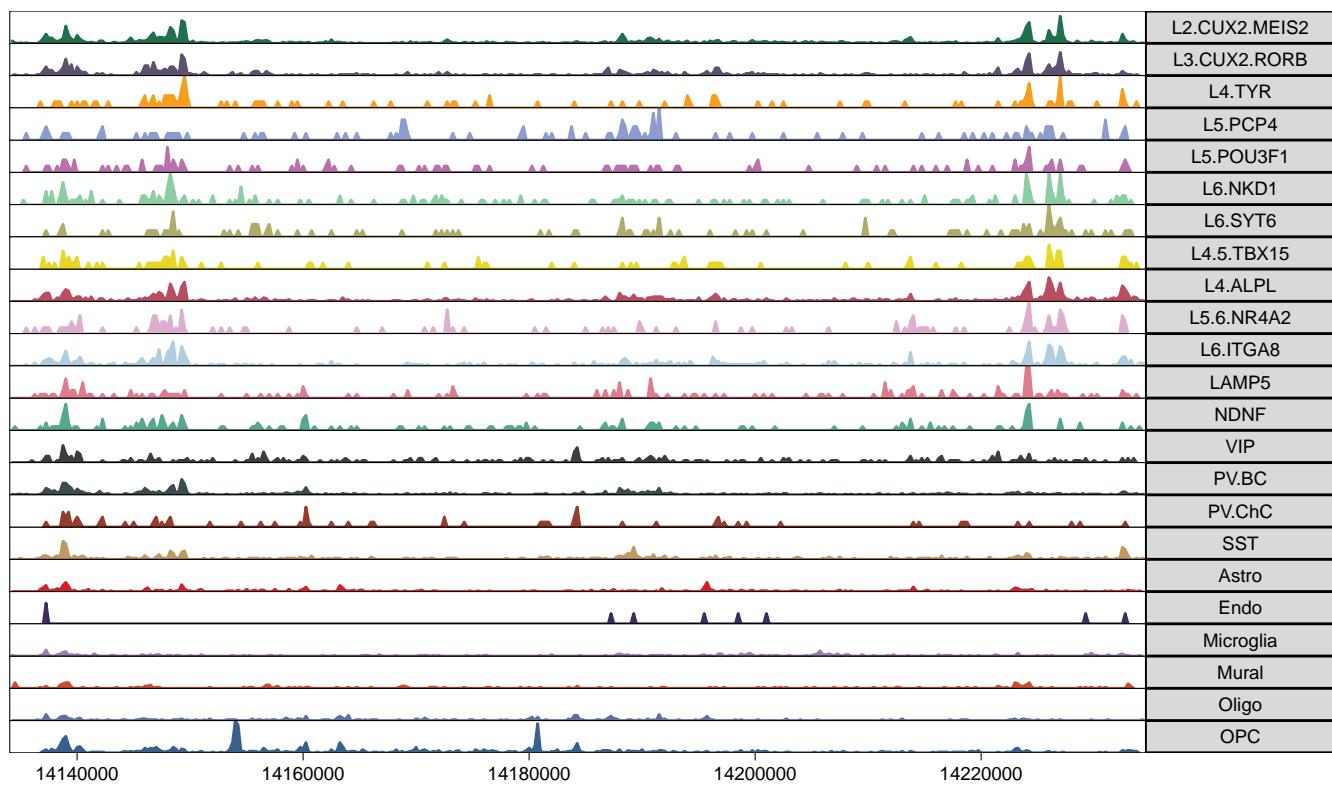
LoopTrack

LOC102724817

LOC105377162

Genes

chr10:14134038–14234539 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.23) by ReadsInTSS)

VIP

Peaks

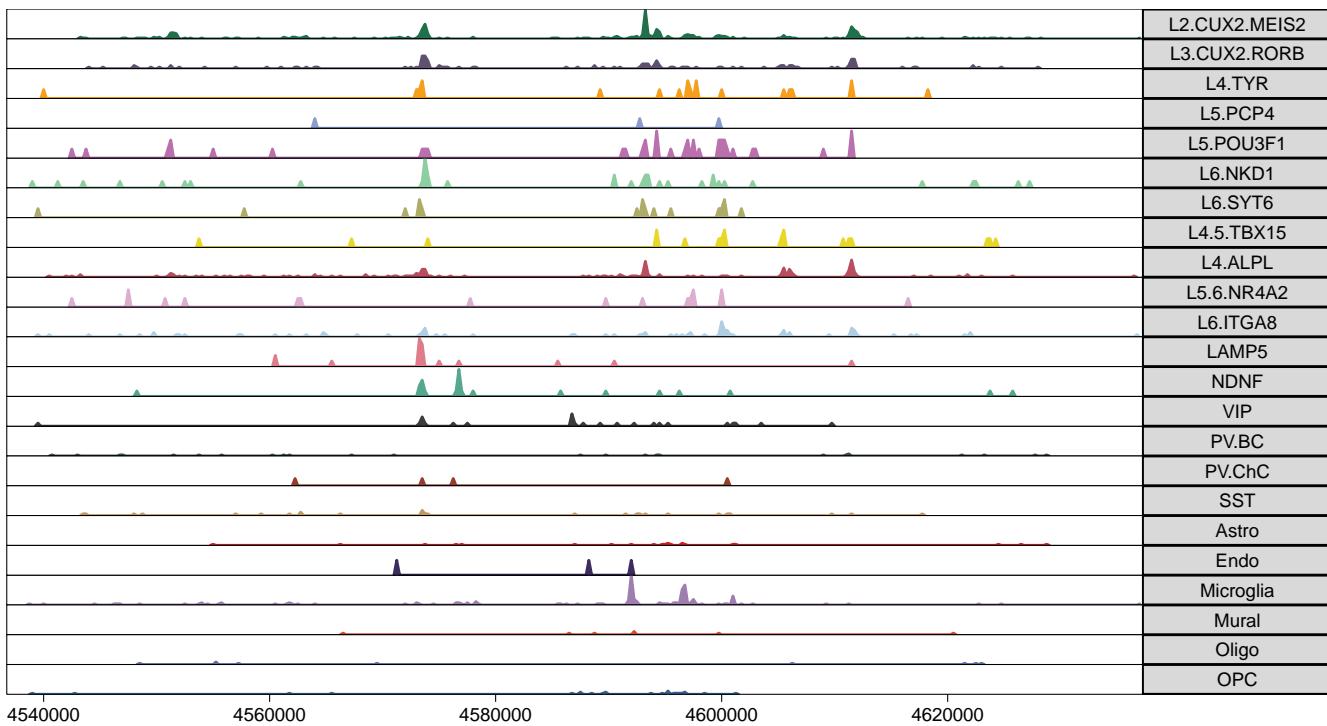
LoopTrack

LOC100506271

ELFN2

Genes

chr12:4536736–4637237 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.78) by ReadstTSS)

4540000 4560000 4580000 4600000 4620000

VIP

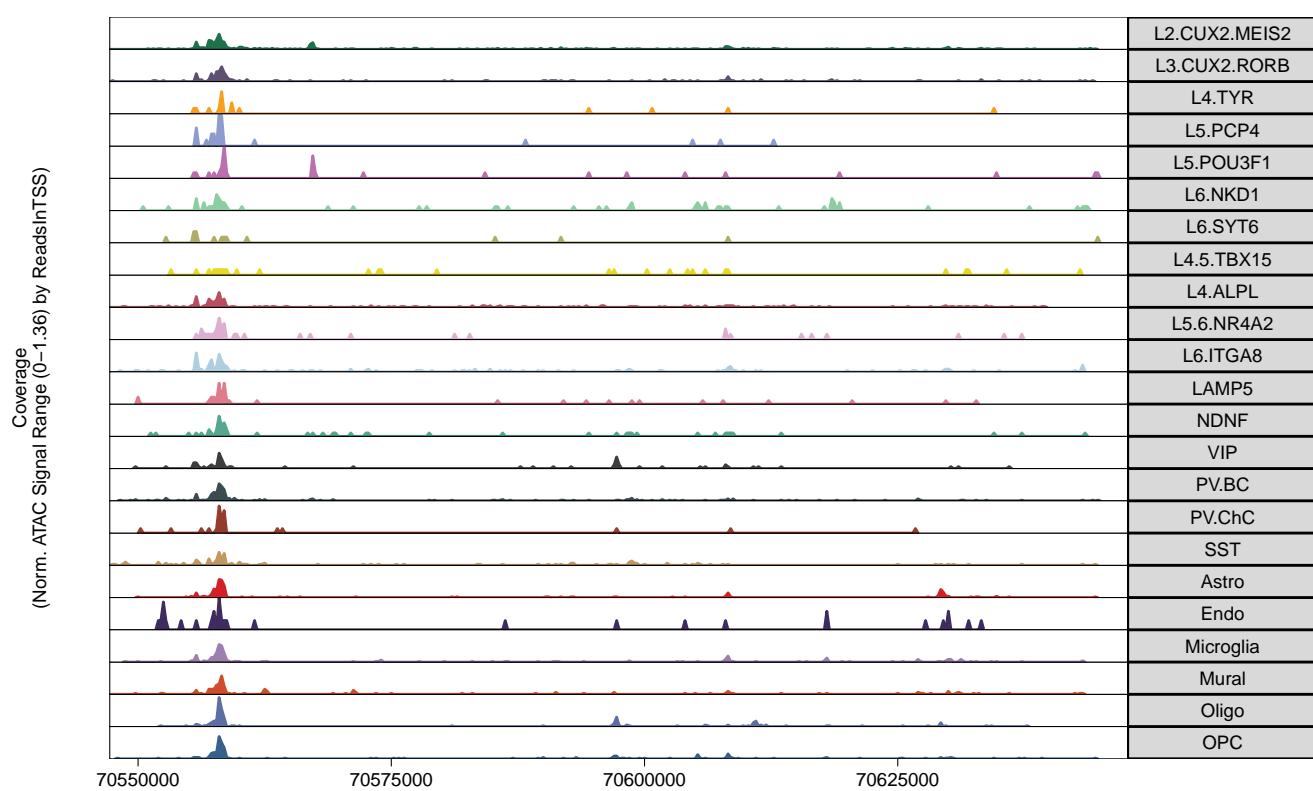
Peaks

LoopTrack

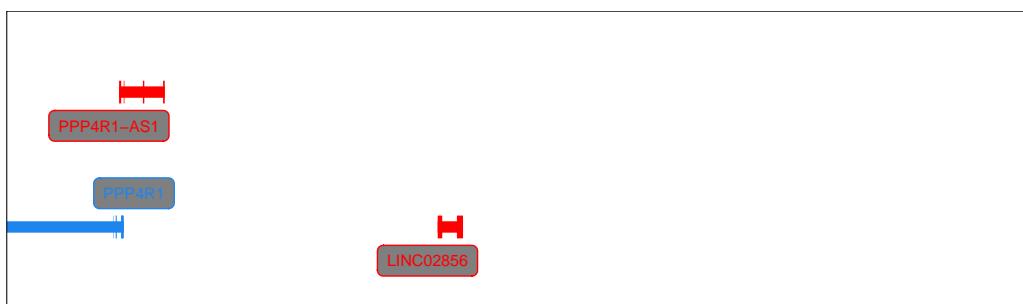
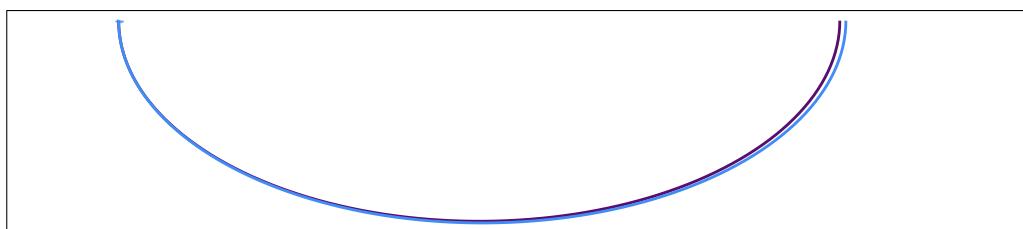
GeneTrack

strand ● •

chr18:70547203–70647704 Marker Peak Tracks for: VIP

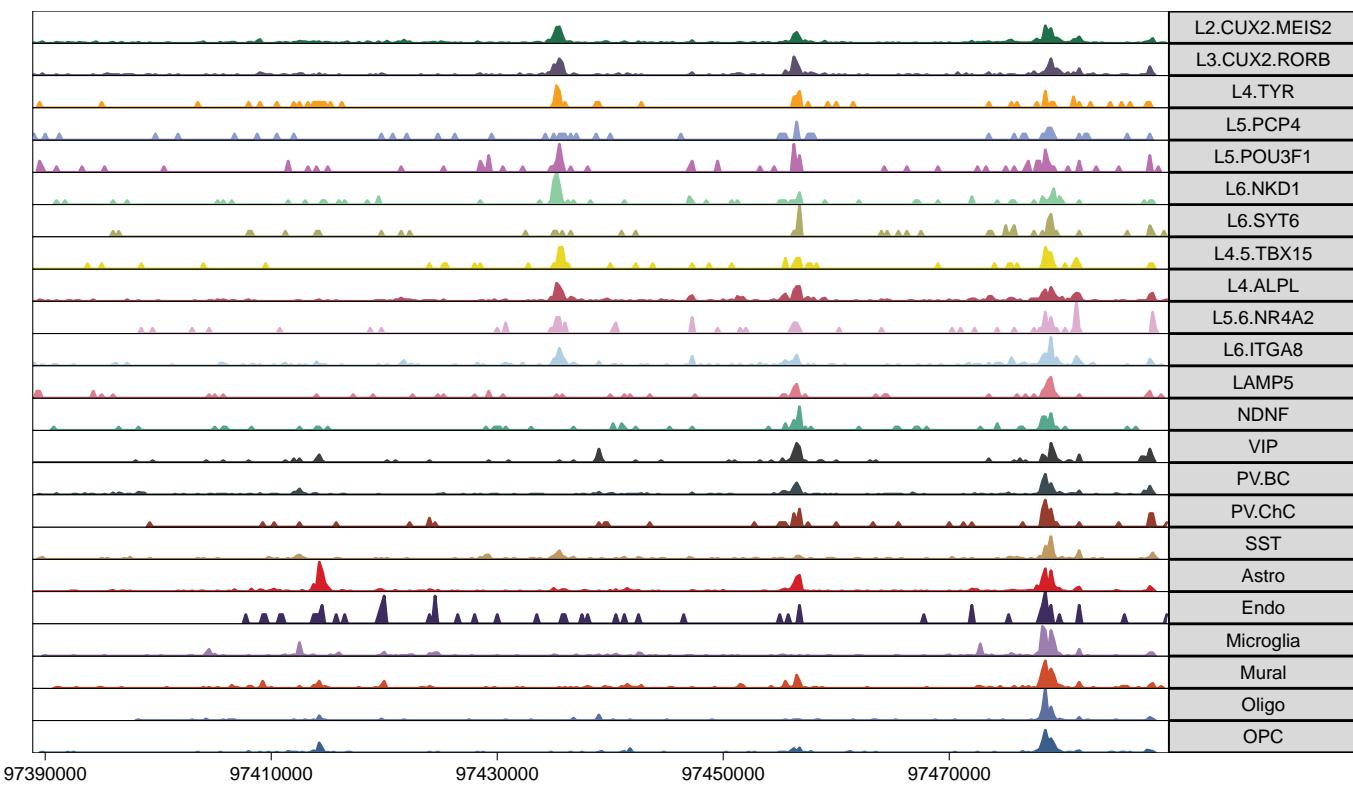


Peak2GeneLinks



chr7:97388896–97489397 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.36) by ReadsInTSS)

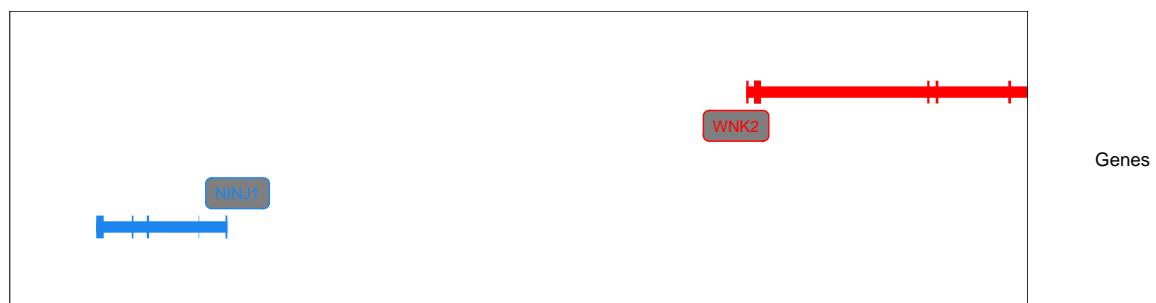
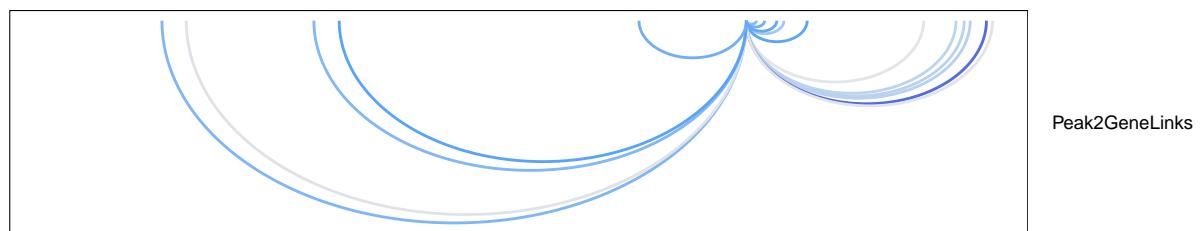
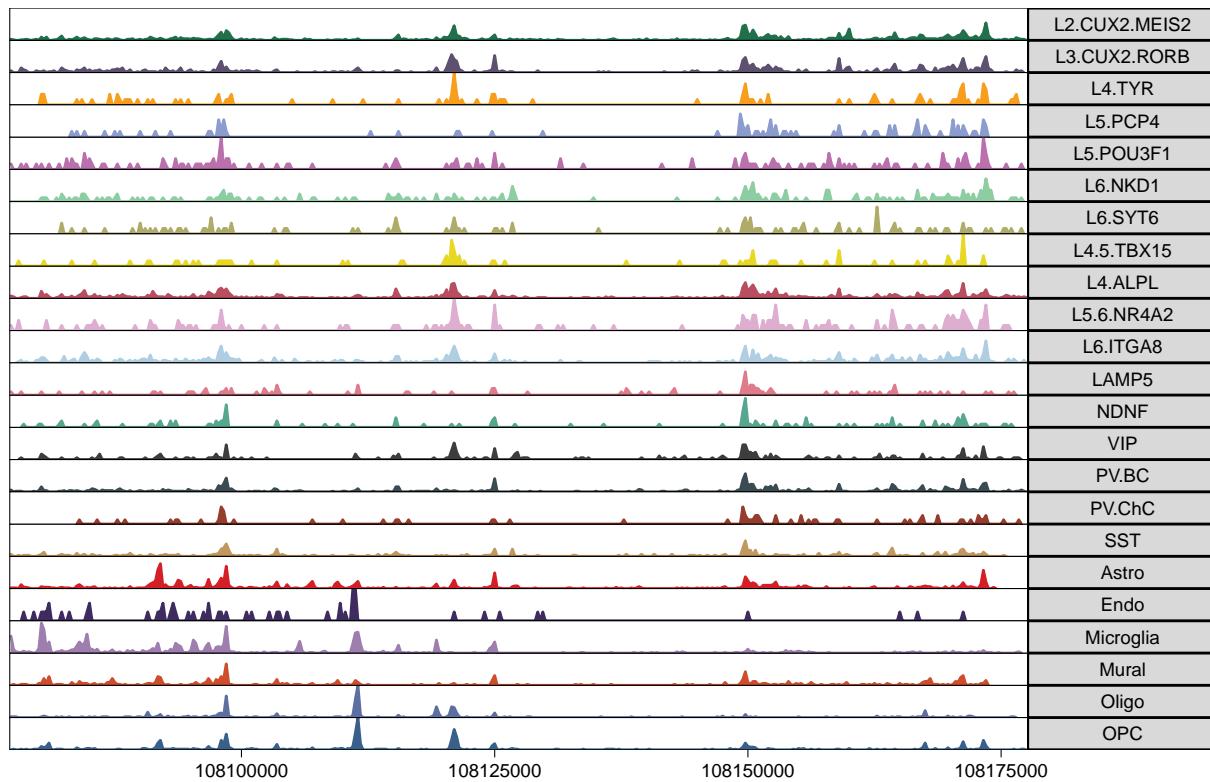


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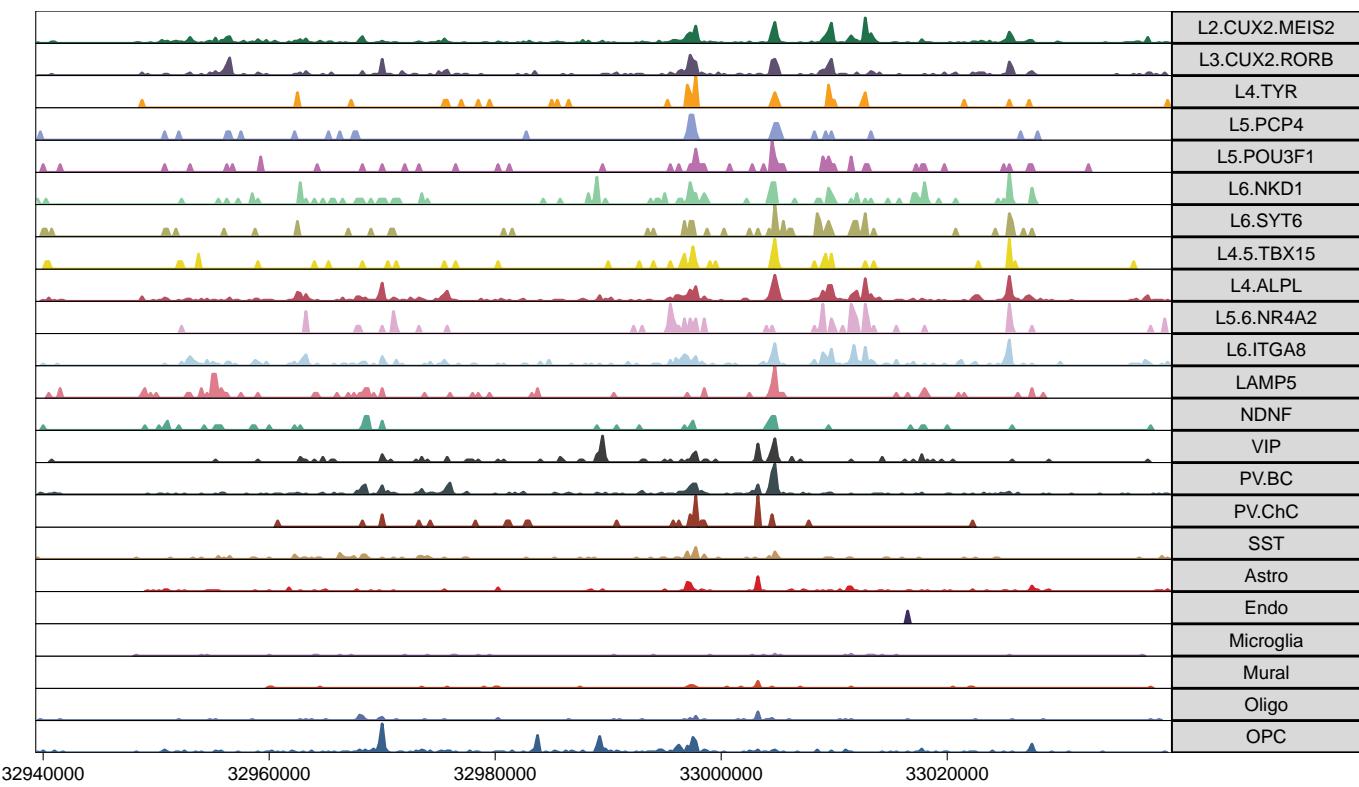


chr15:108077124–108177625 Marker Peak Tracks for: VIP

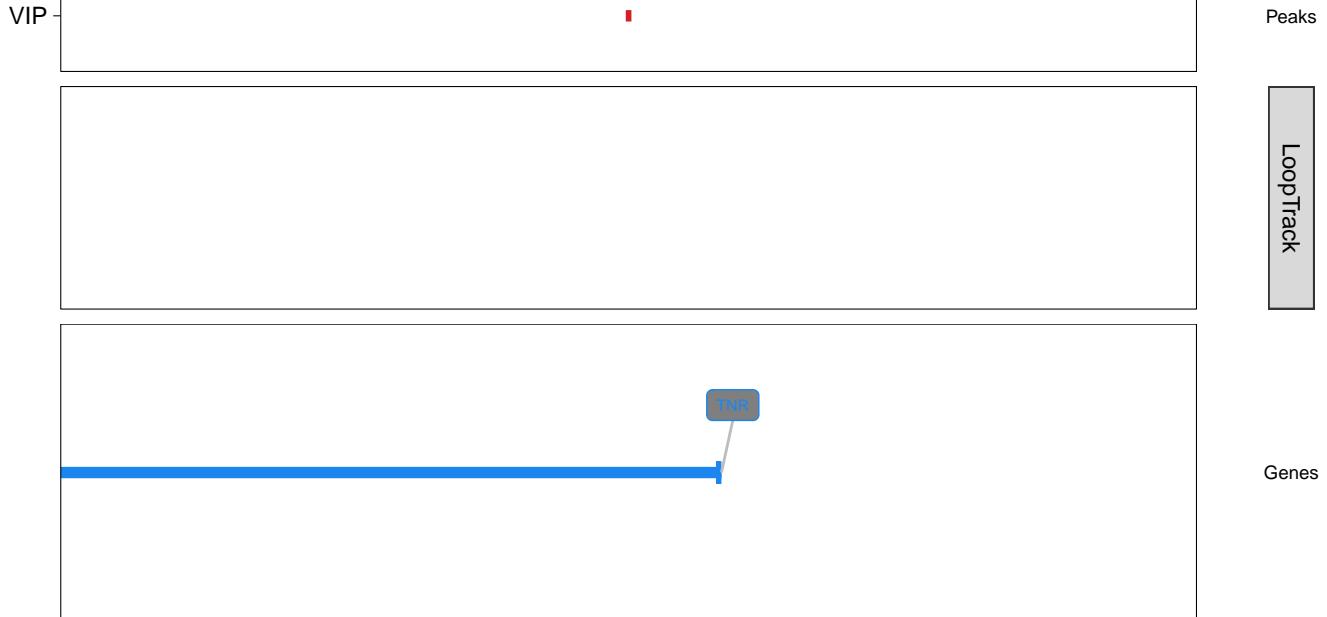
Coverage
(Norm. ATAC Signal Range (0–1.43) by ReadsInTSS)



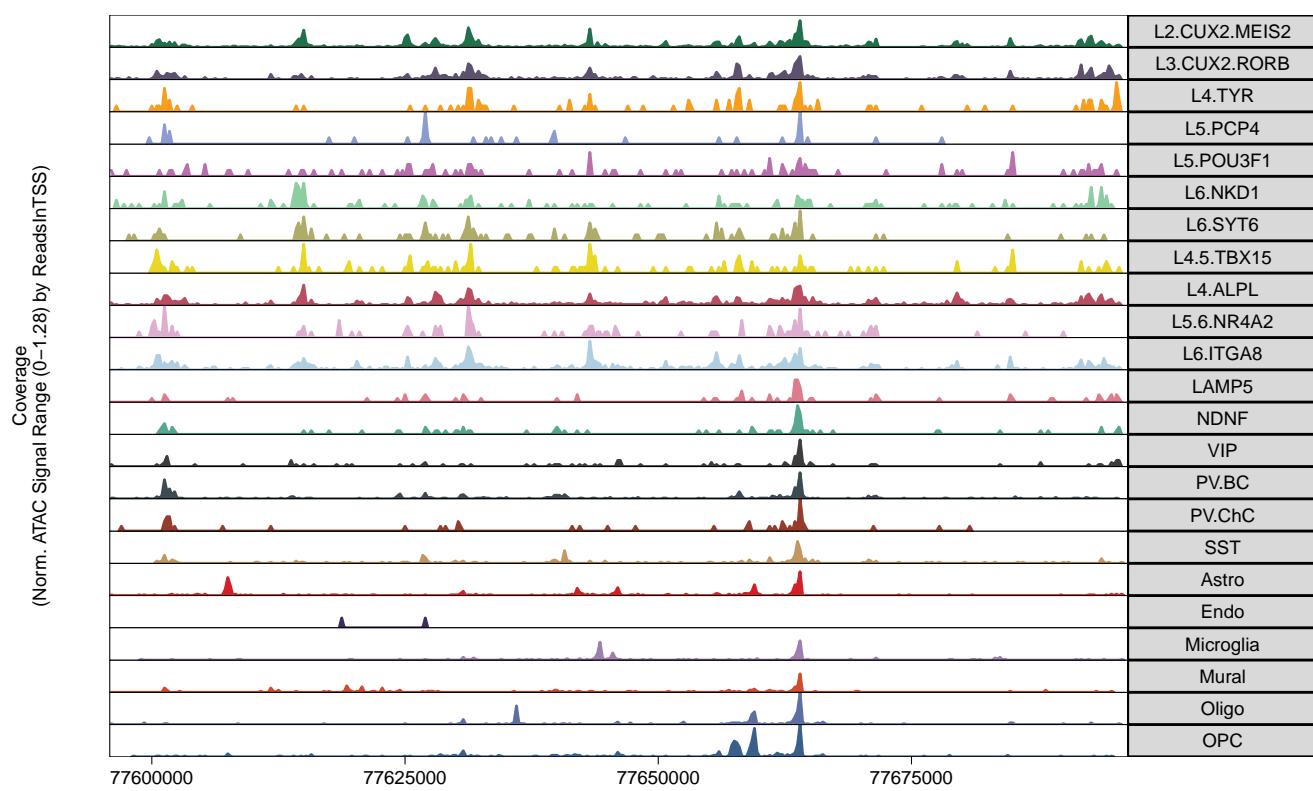
chr1:32939342–33039843 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.99) by ReadsInTSS)

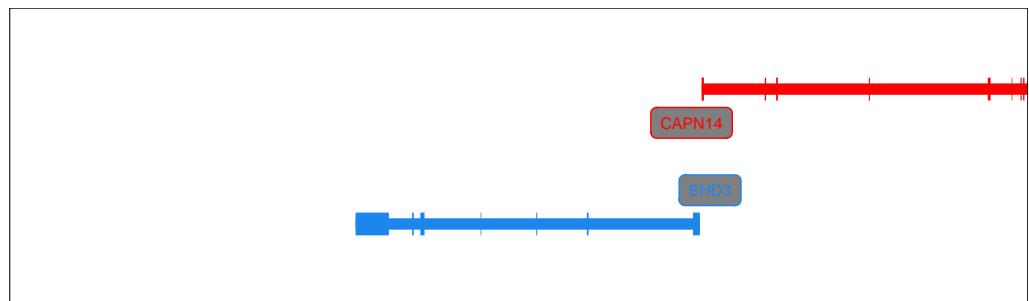
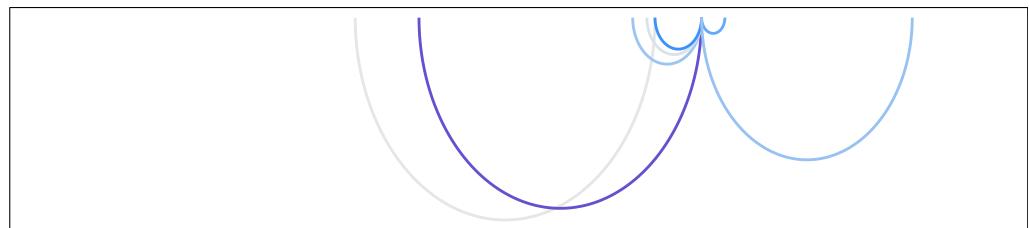
32940000 32960000 32980000 33000000 33020000



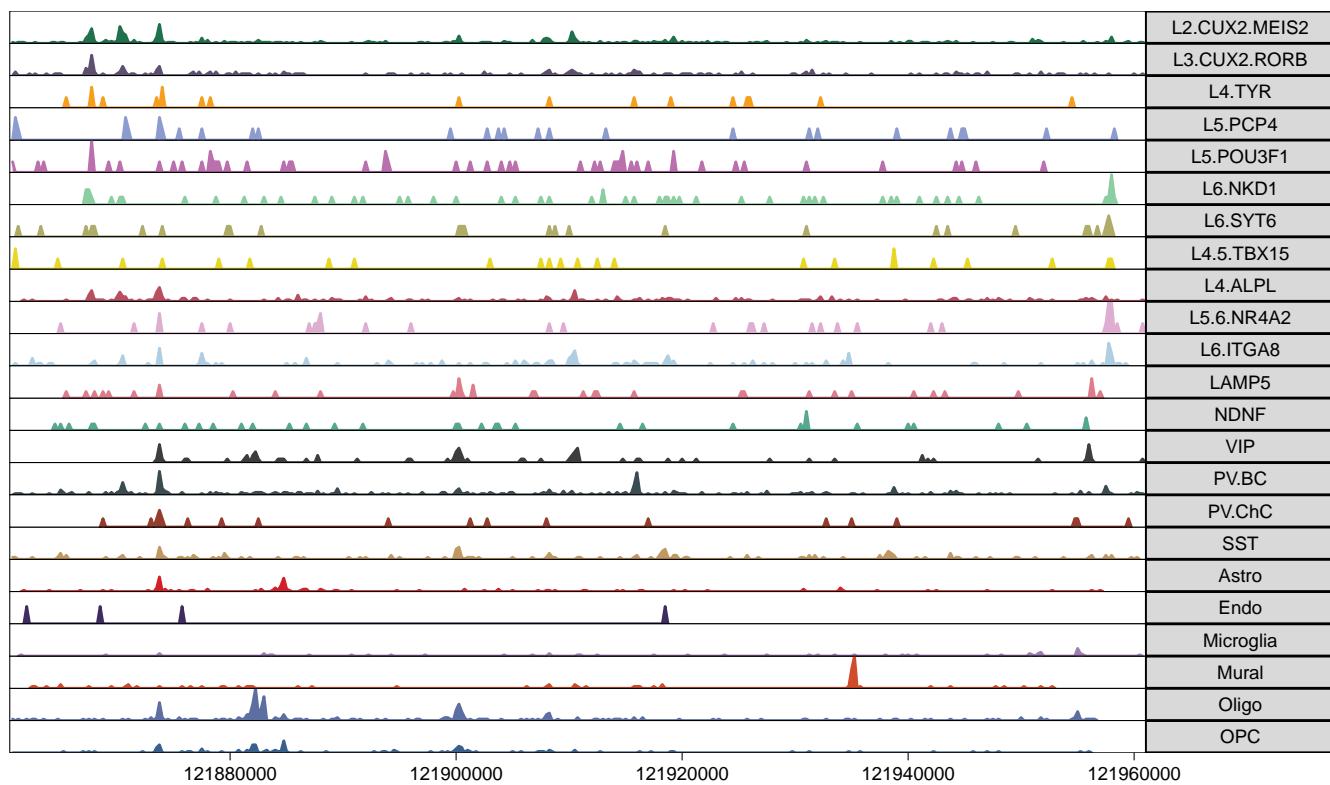
chr13:77595847-77696348 Marker Peak Tracks for: VIP



77600000 77625000 77650000 77675000



chr2:121860500–121961001 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.73) by ReadsInTSS)

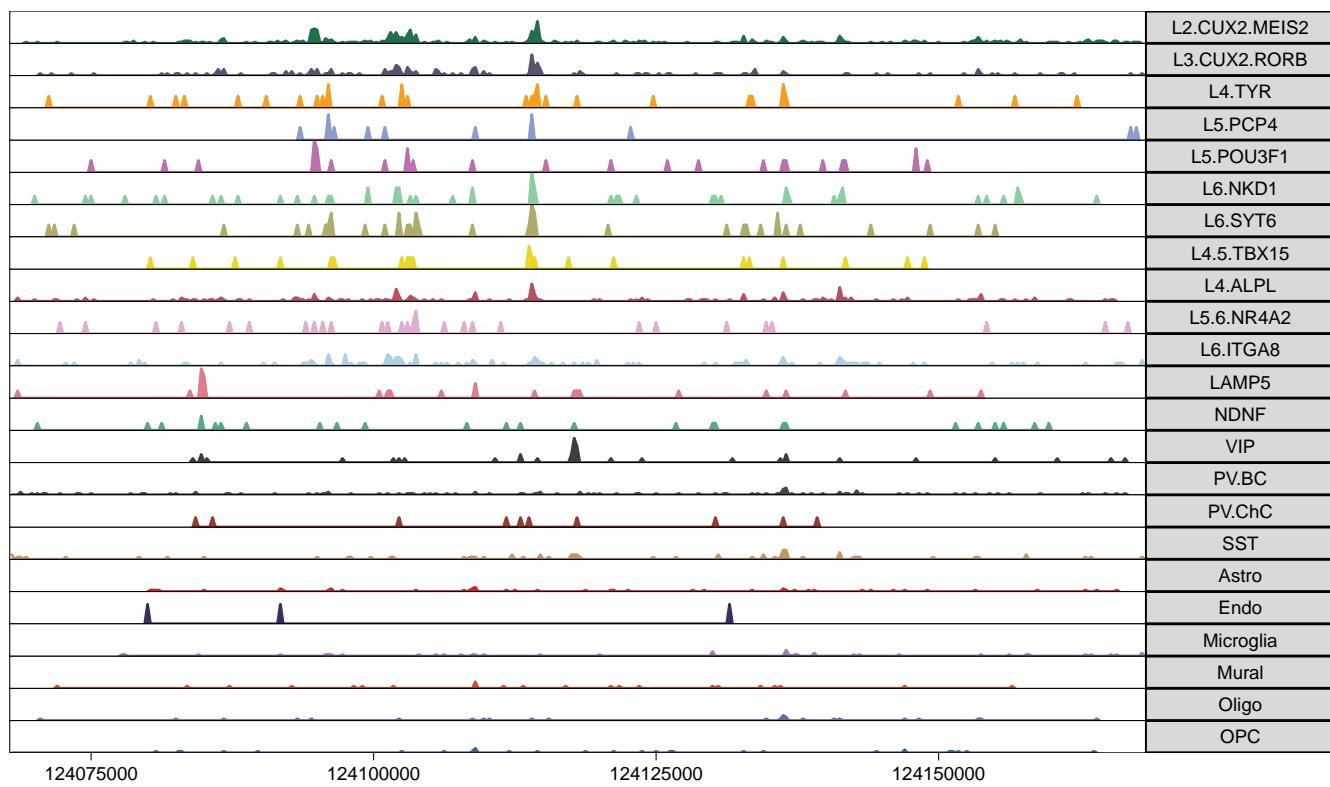
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Peaks

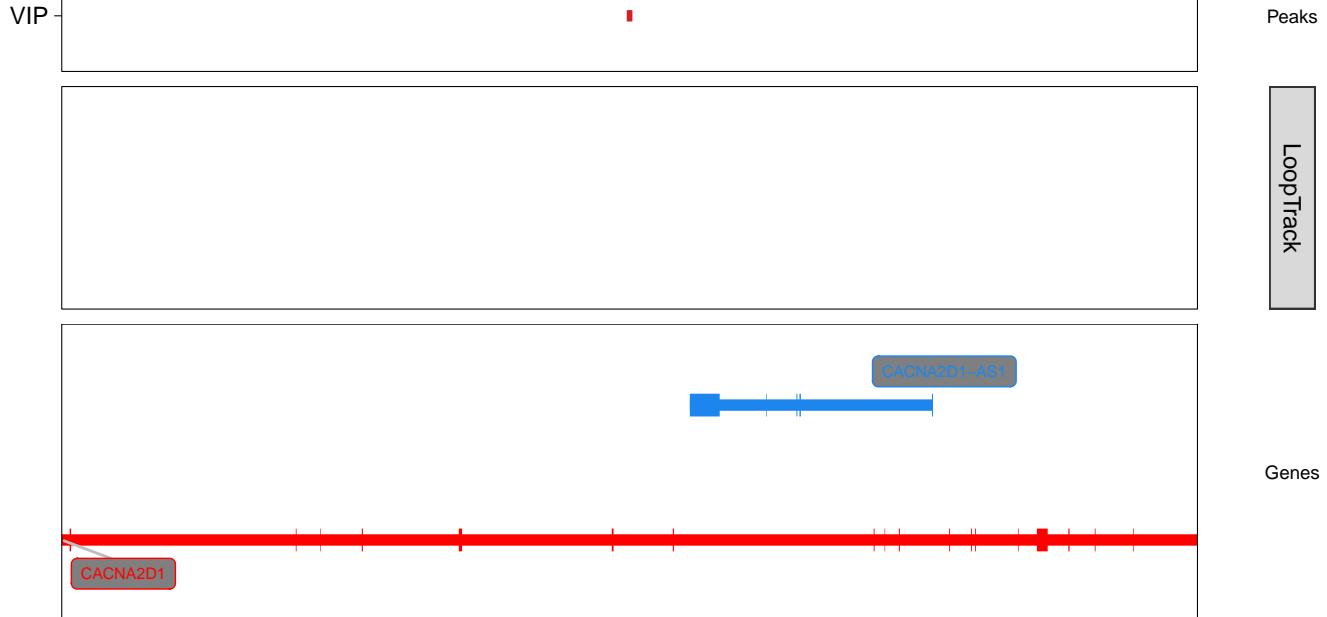
LoopTrack

Genes

chr3:124067802–124168303 Marker Peak Tracks for: VIP

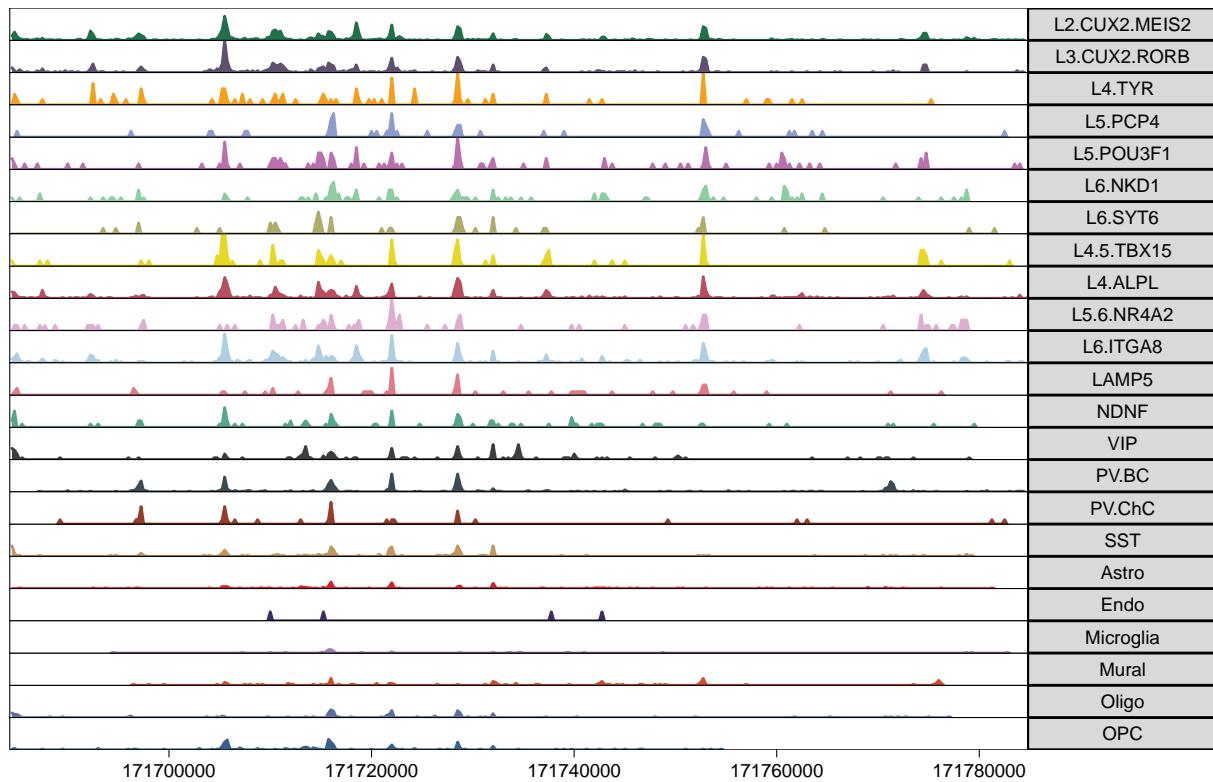
Coverage
(Norm. ATAC Signal Range (0–0.65) by ReadsInTSS)

124075000 124100000 124125000 124150000

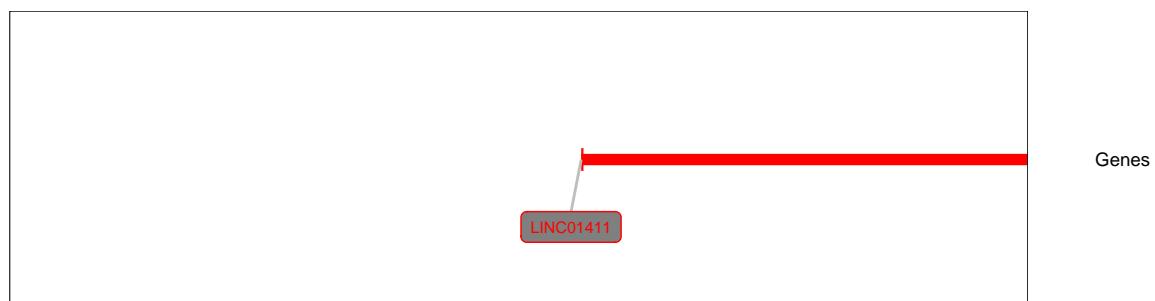
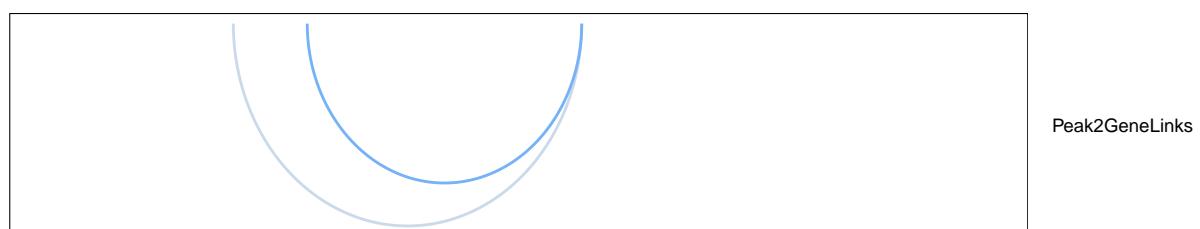


chr6:171684280–171784781 Marker Peak Tracks for: VIP

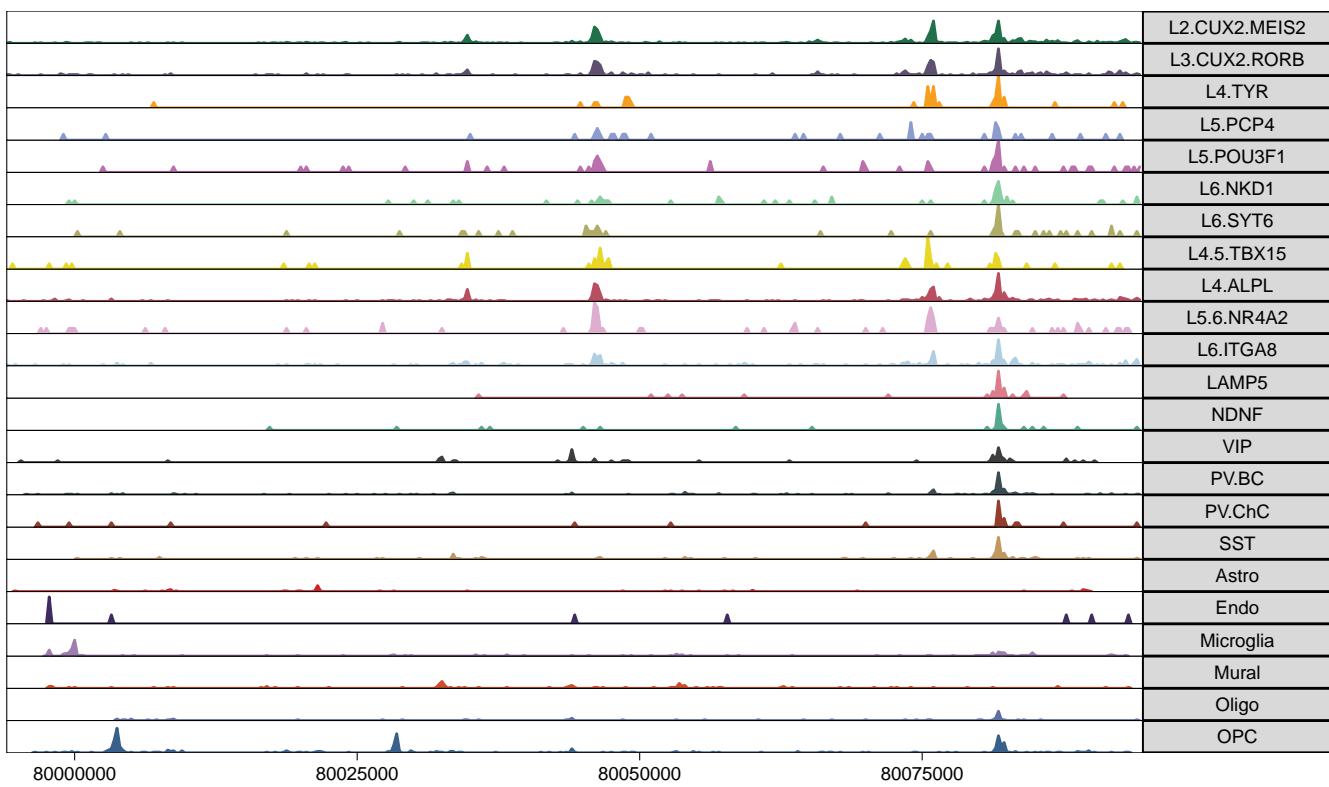
Coverage
(Norm. ATAC Signal Range (0-1.4) by ReadsInTSS)



171700000 171720000 171740000 171760000 171780000



chr5:79993990–80094491 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.41) by ReadsInTSS)

VIP

Peaks

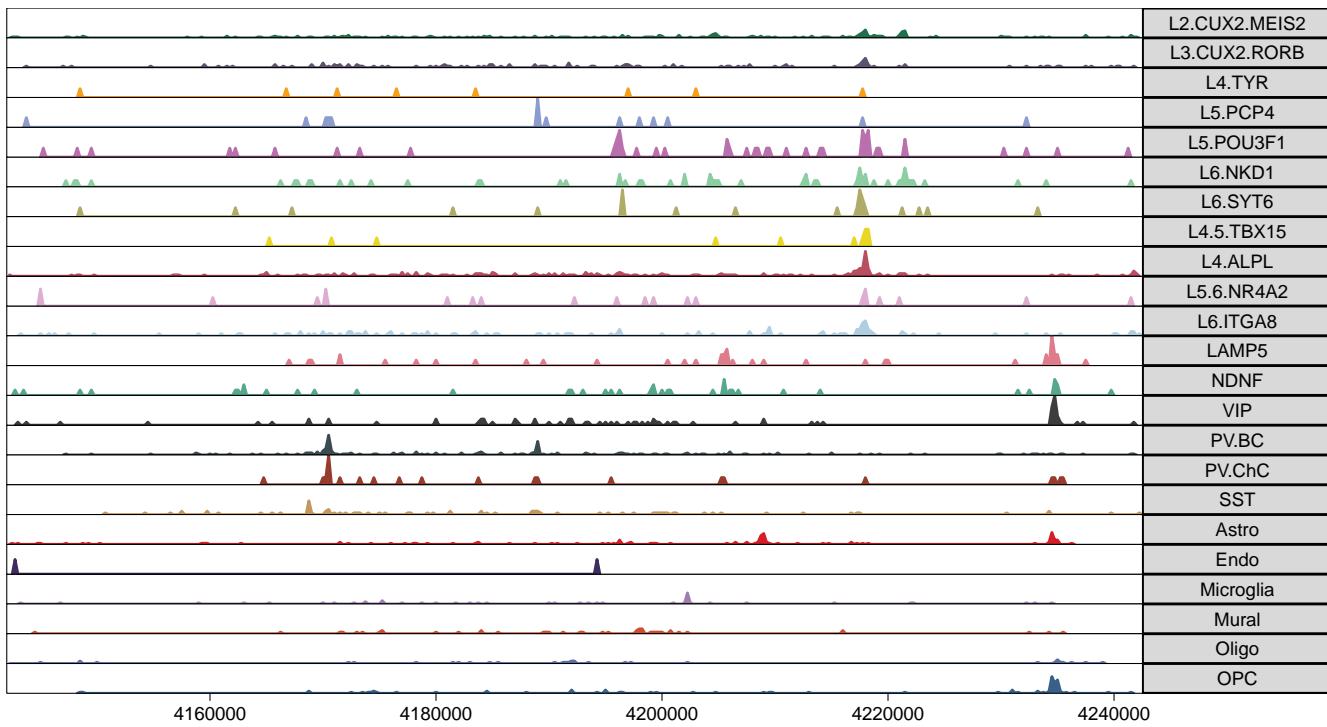
LoopTrack

LOC101928870

Genes

LNX1

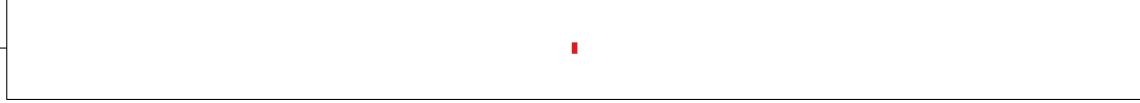
chr10:4142014–4242515 Marker Peak Tracks for: VIP

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

4160000 4180000 4200000 4220000 4240000

VIP

Peaks

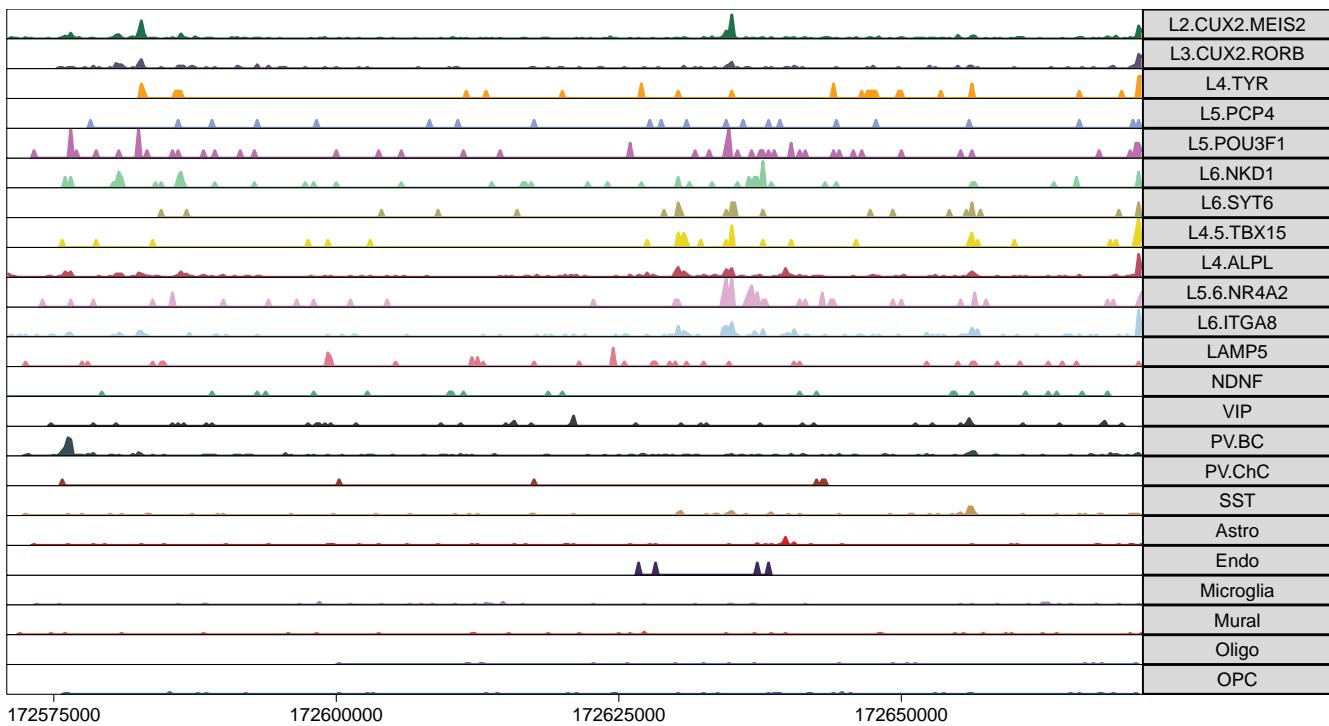


LoopTrack

GeneTrack

strand ● •

chr6:172570836–172671337 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.95) by ReadstTSS)

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VIP

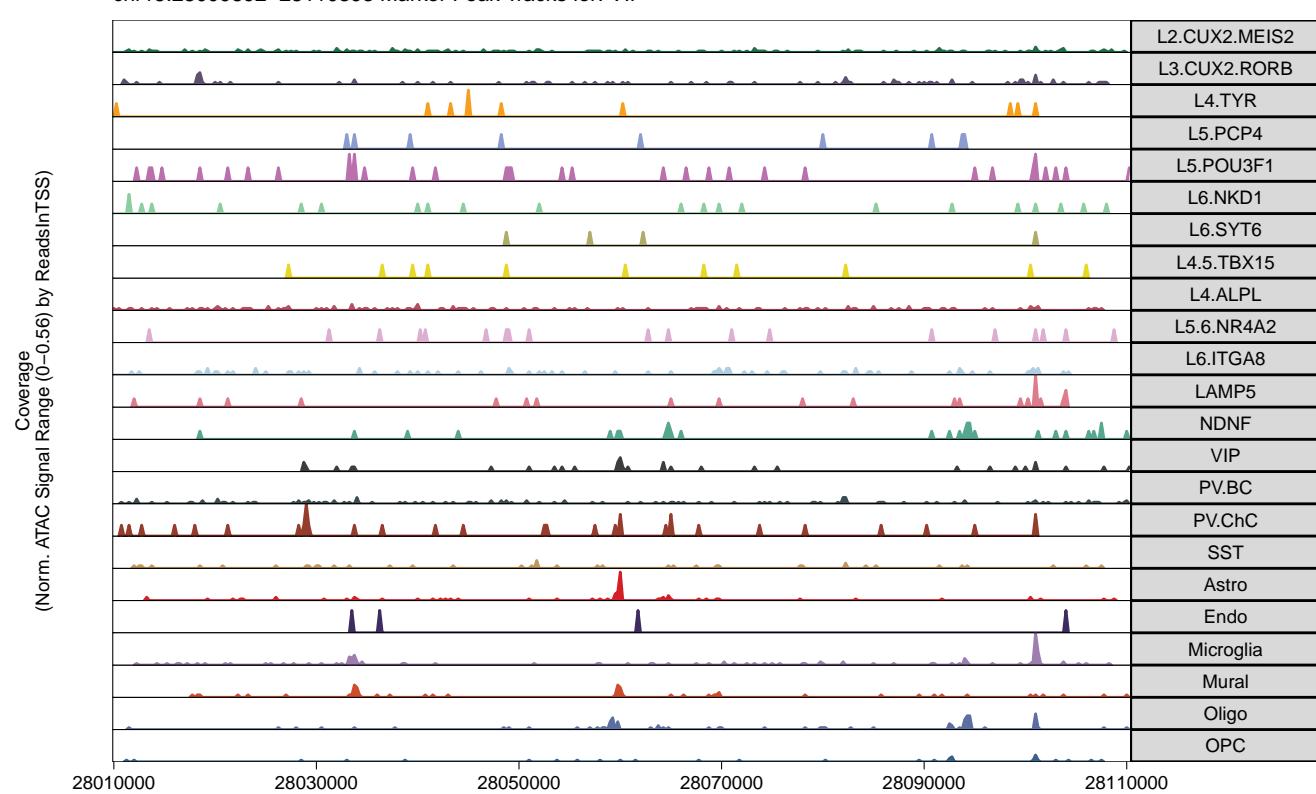
Peaks

LoopTrack

GeneTrack

strand ● •

chr15:28009892–28110393 Marker Peak Tracks for: VIP

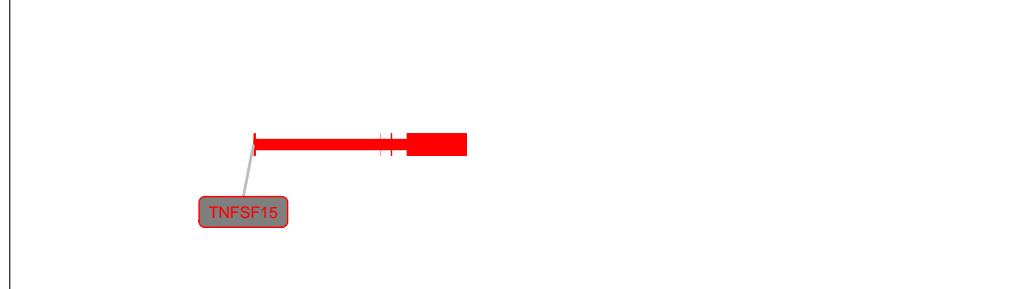


28010000 28030000 28050000 28070000 28090000 28110000

VIP - Peaks

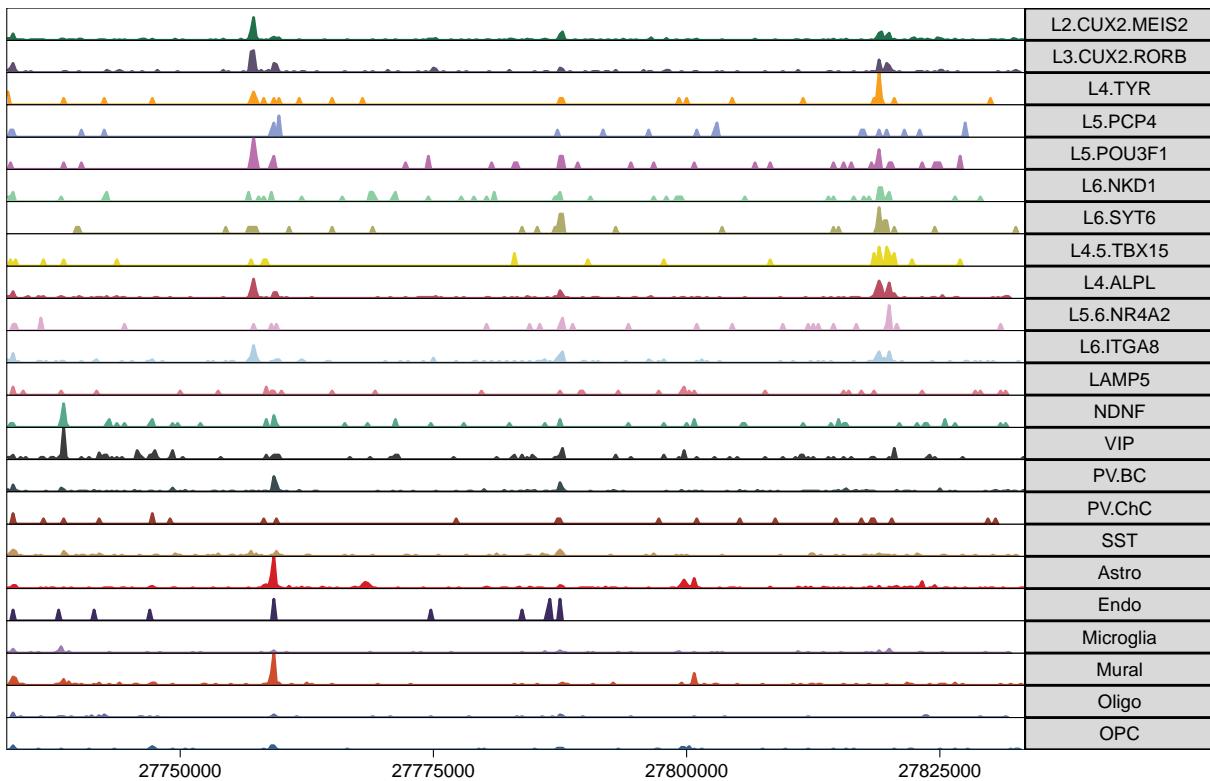


Peak2GeneLinks

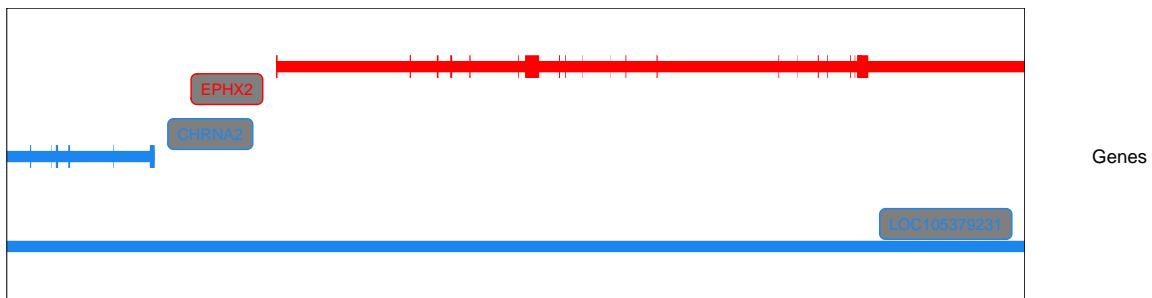
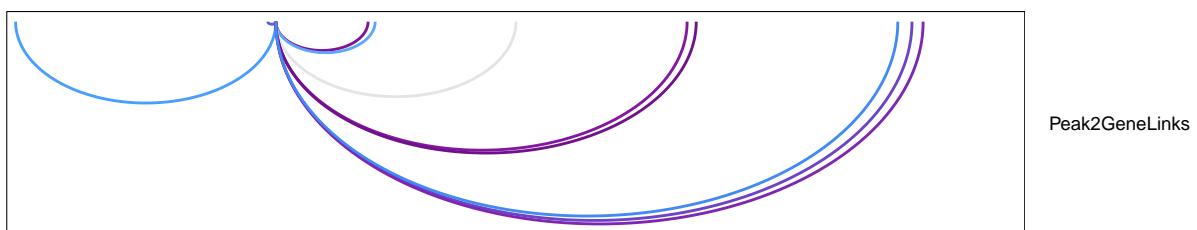


chr8:27732877–27833378 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0-1.17) by ReadsInTSS)

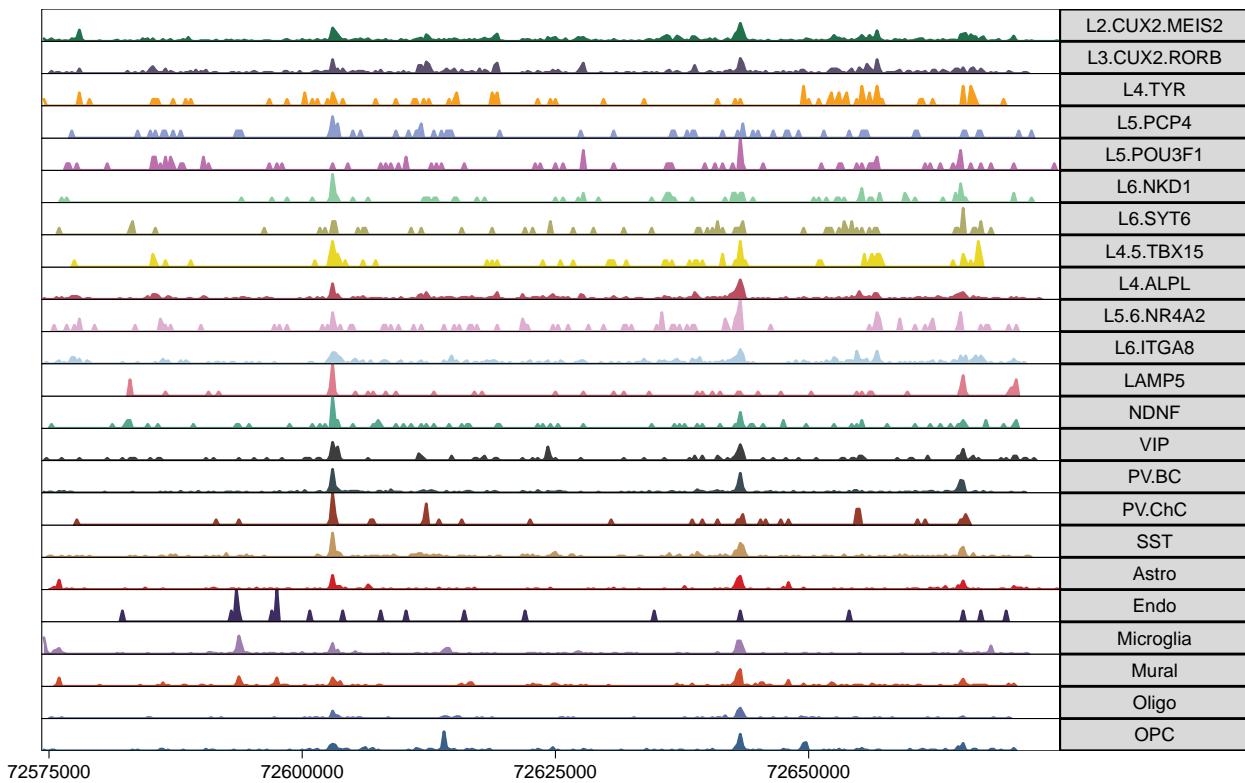


27750000 27775000 27800000 27825000



chr10:72574284–72674785 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.15) by ReadsInTSS)

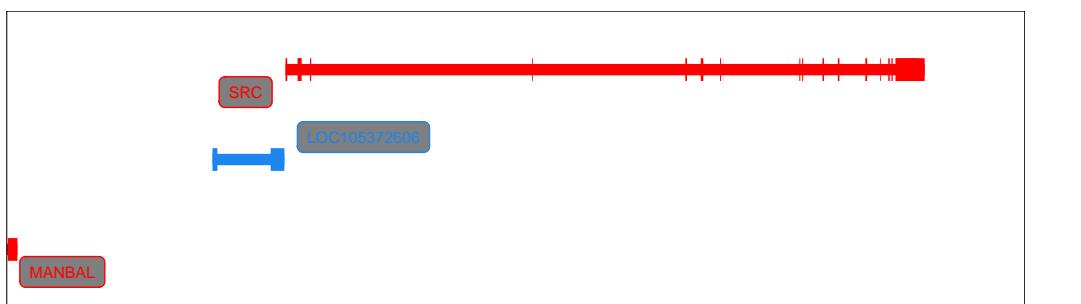
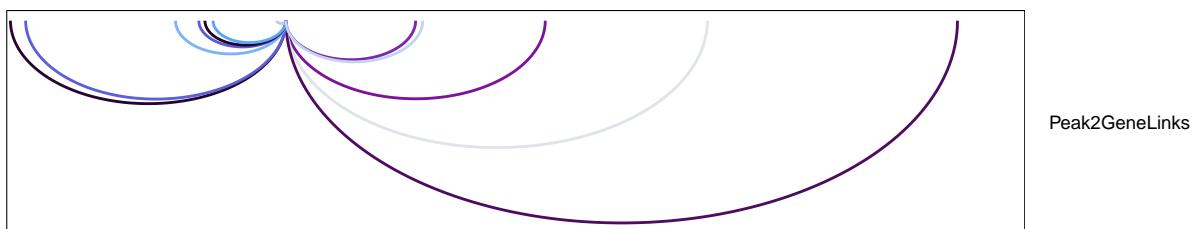


72575000 72600000 72625000 72650000

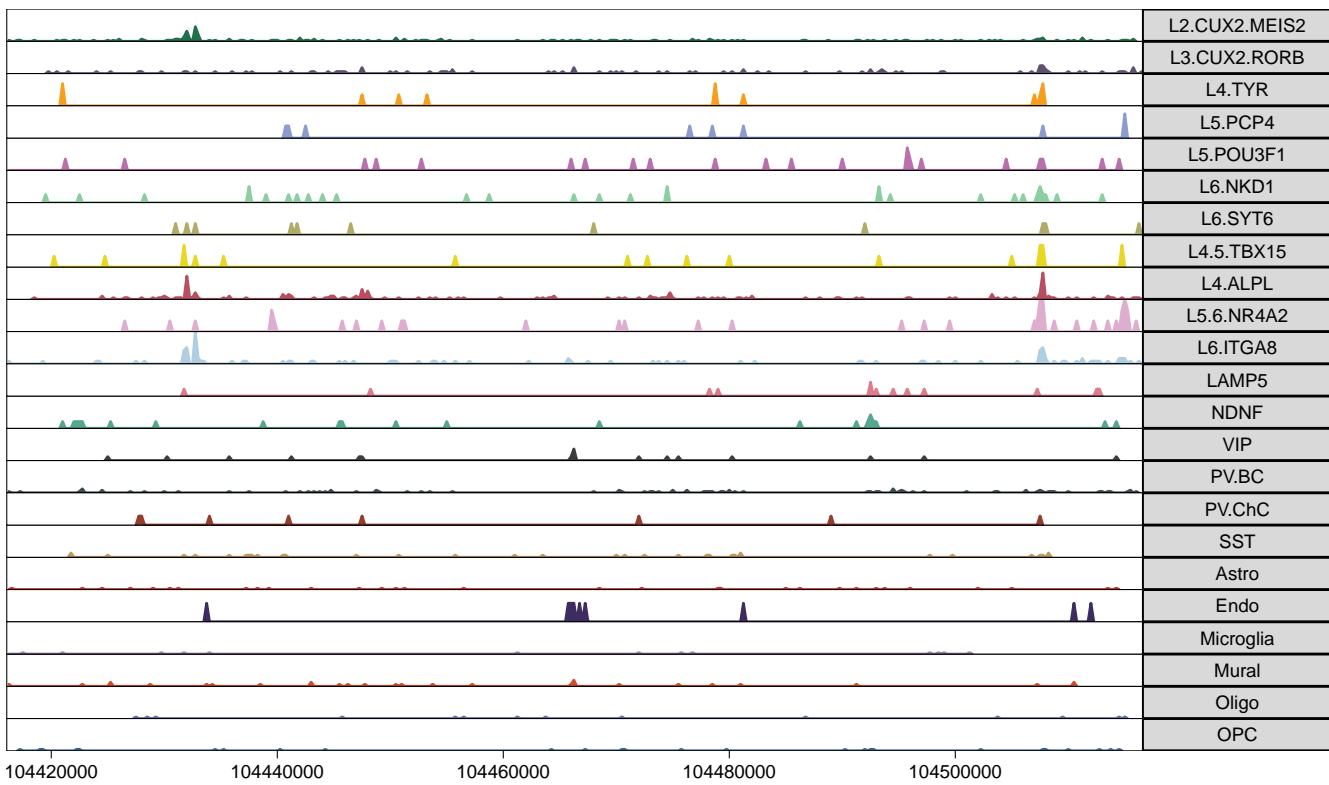


value

0.8
0.6
0.4
0.2



chr5:104416060–104516561 Marker Peak Tracks for: VIP

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

104420000 104440000 104460000 104480000 104500000

VIP

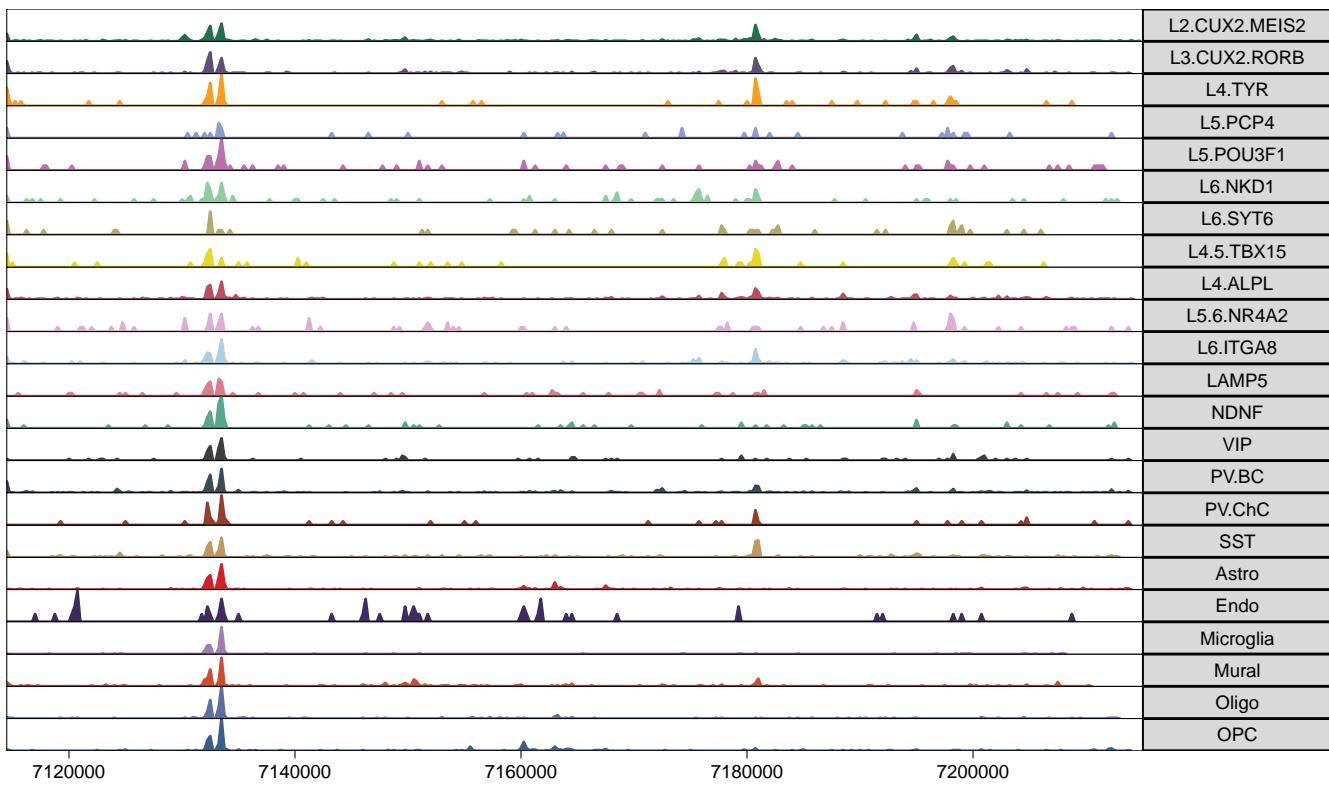
Peaks

LoopTrack



Genes

chr19:7114493–7214994 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.66) by ReadsInTSS)

7120000 7140000 7160000 7180000 7200000

VIP

Peaks

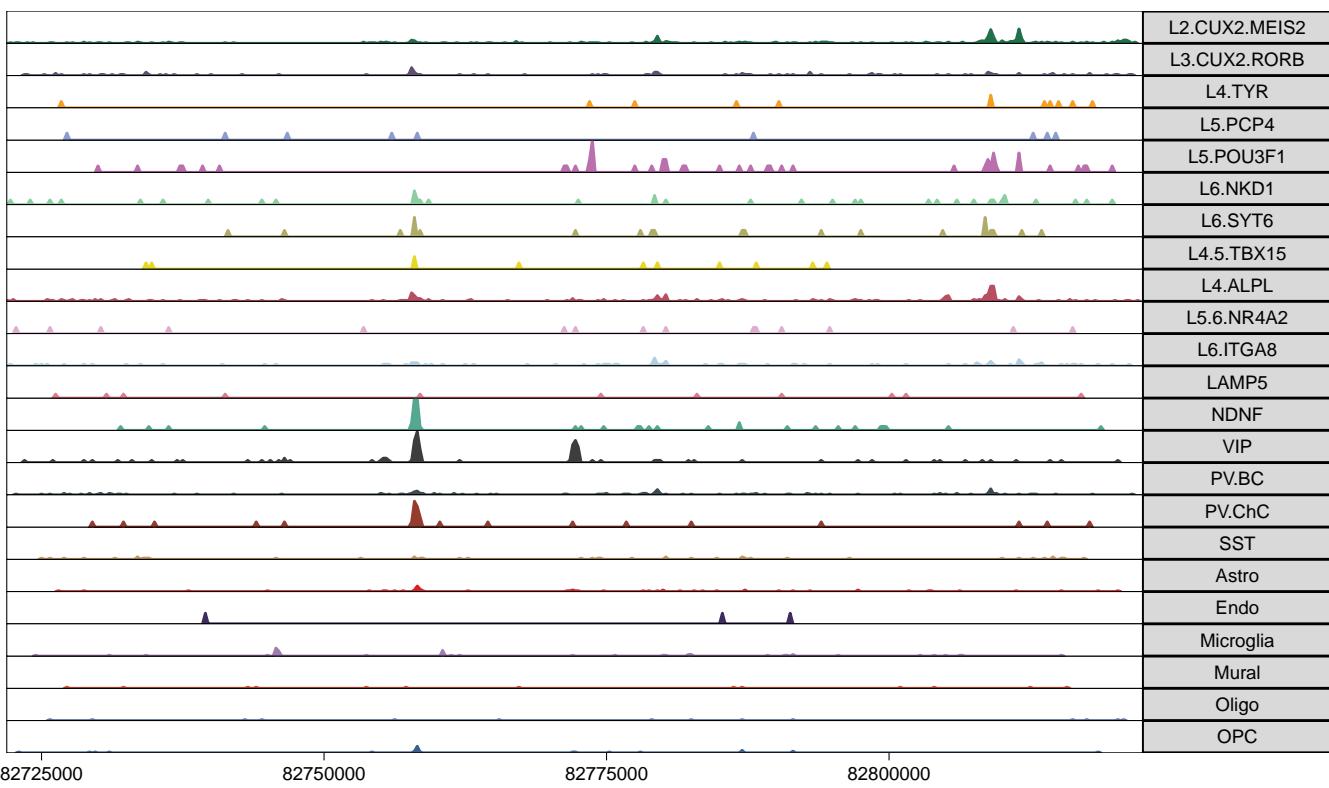
LoopTrack

Genes



INSR

chr3:82721923–82822424 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.19) by ReadsInTSS)

82725000 82750000 82775000 82800000

VIP

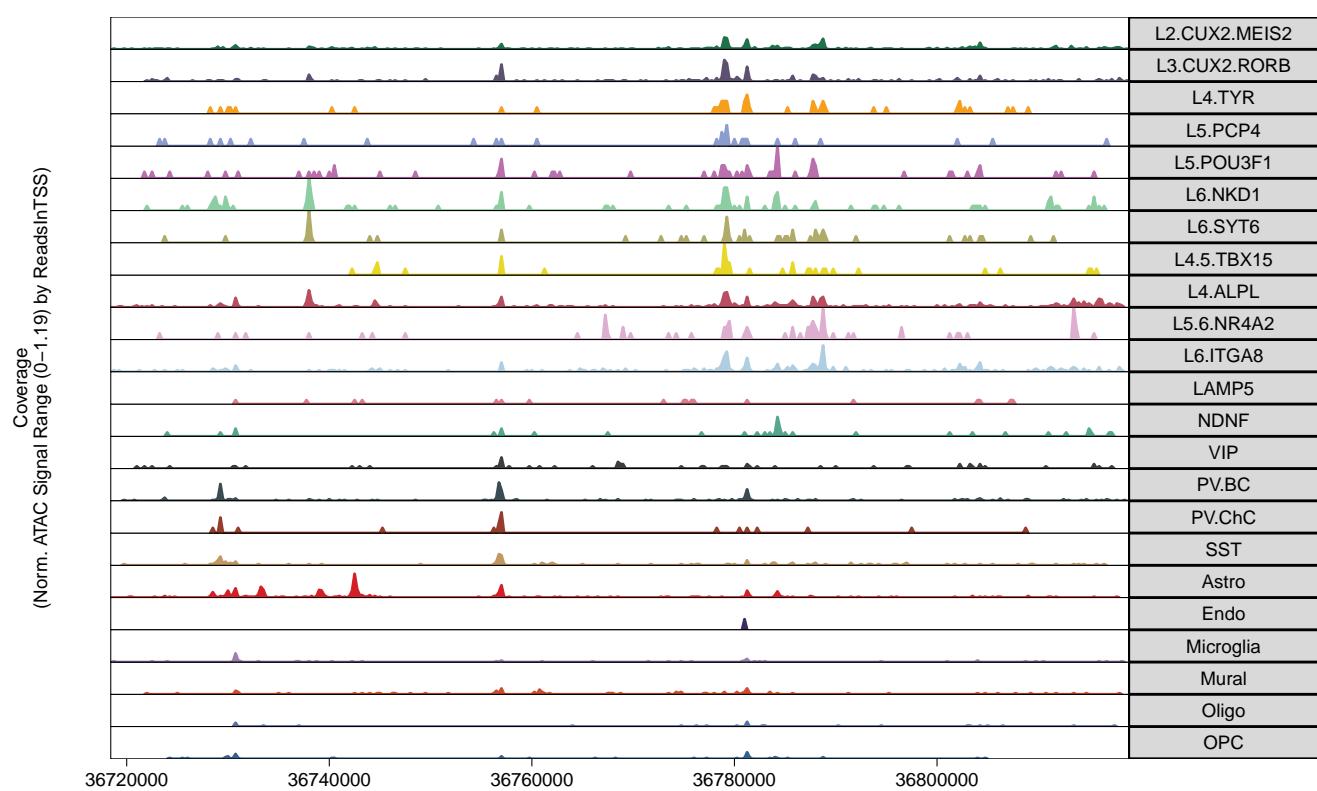
Peaks

LoopTrack

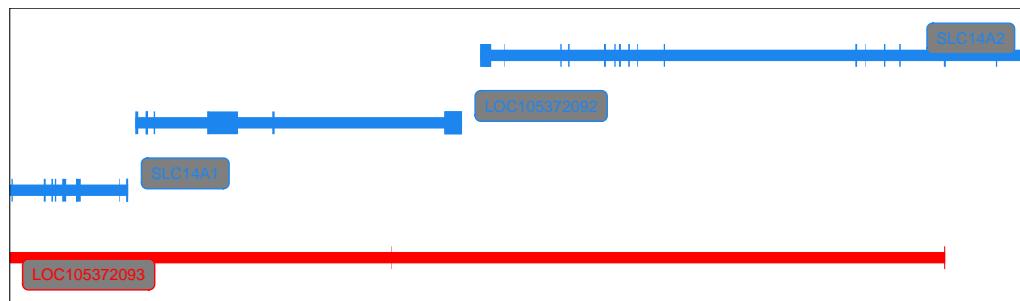
Genes

PDE1C

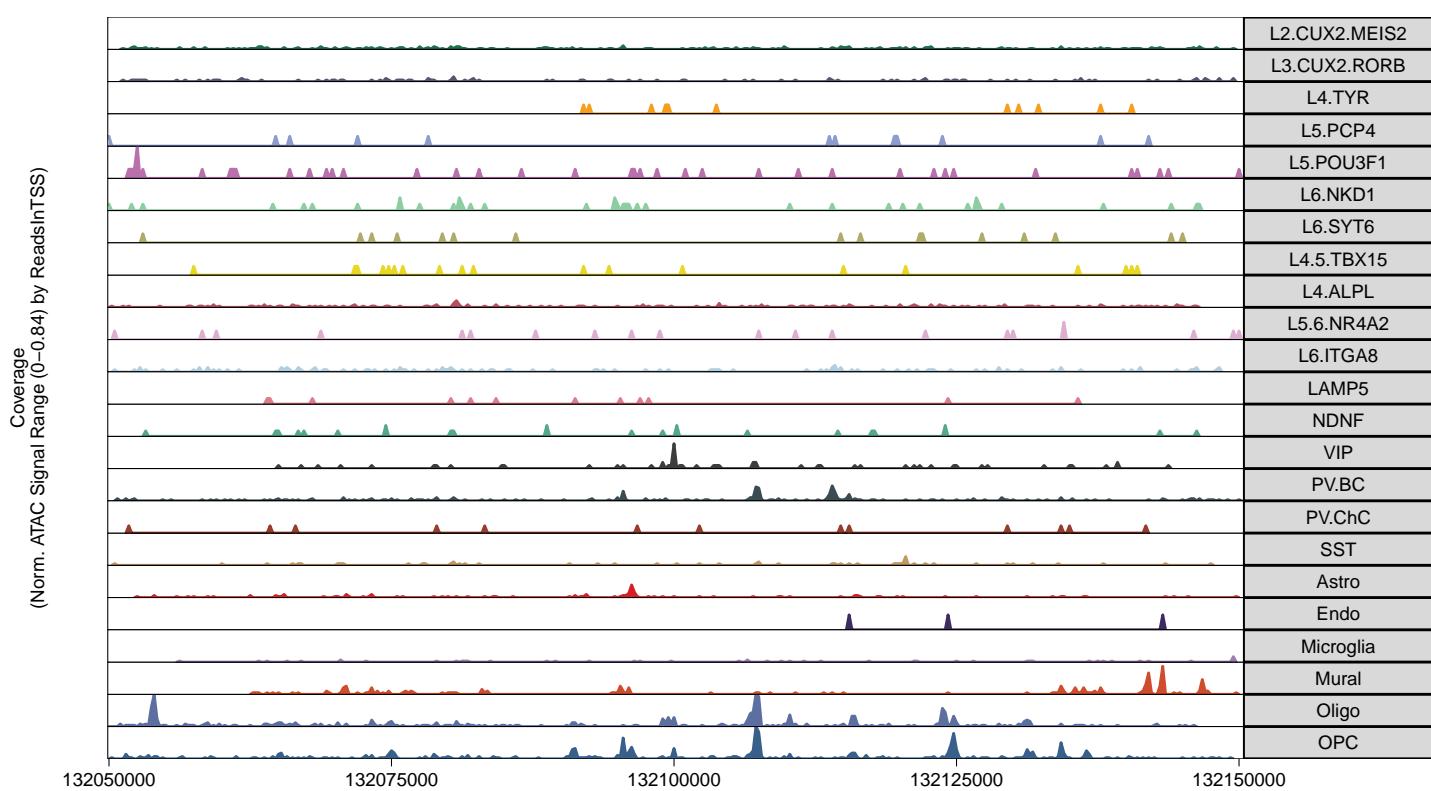
chr18:36718424–36818925 Marker Peak Tracks for: VIP



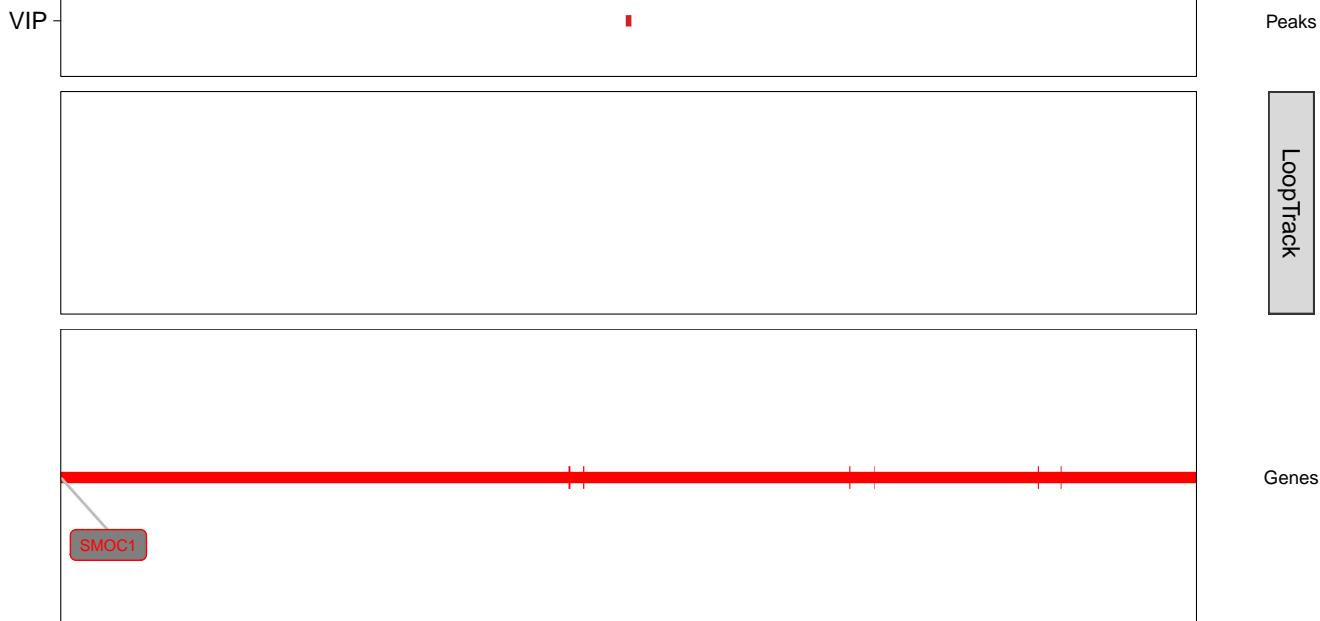
36720000 36740000 36760000 36780000 36800000



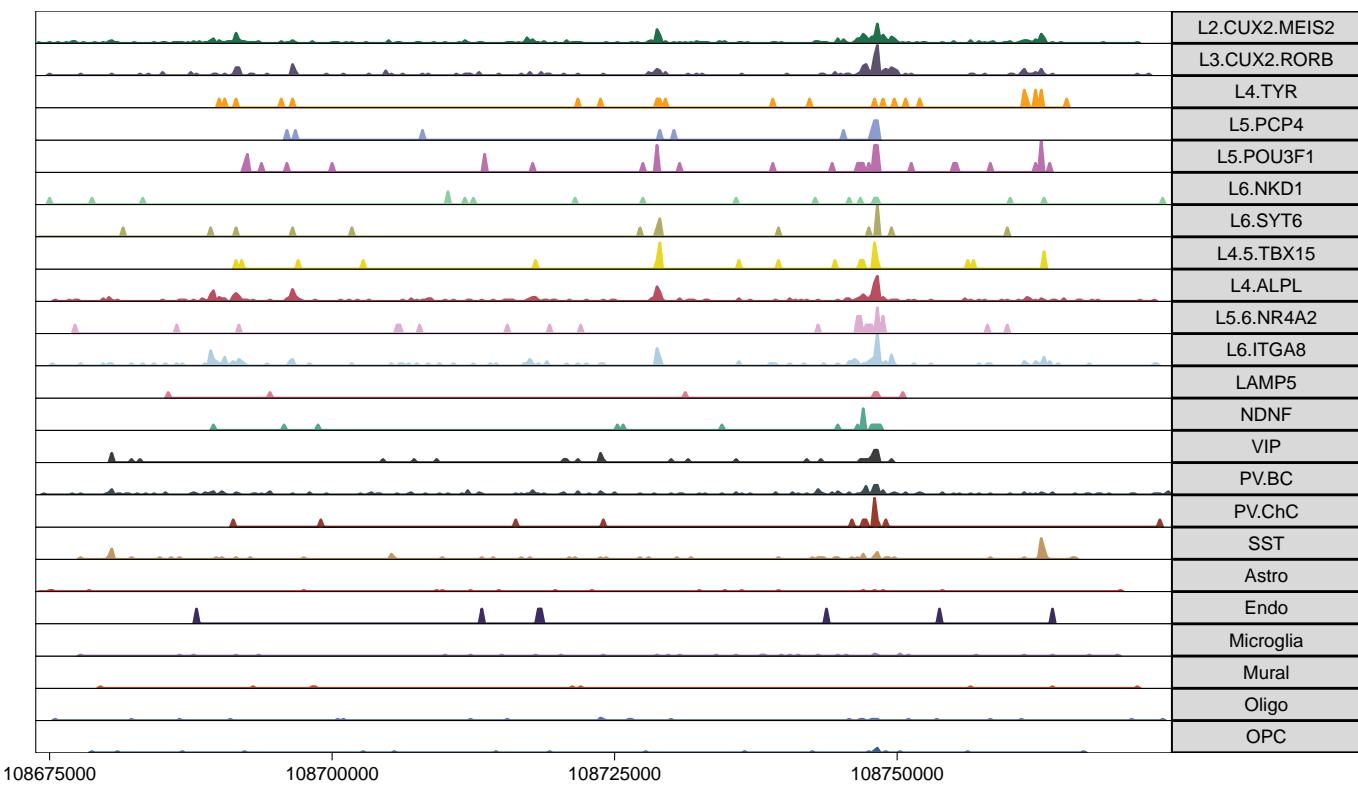
chr7:132049890–132150391 Marker Peak Tracks for: VIP



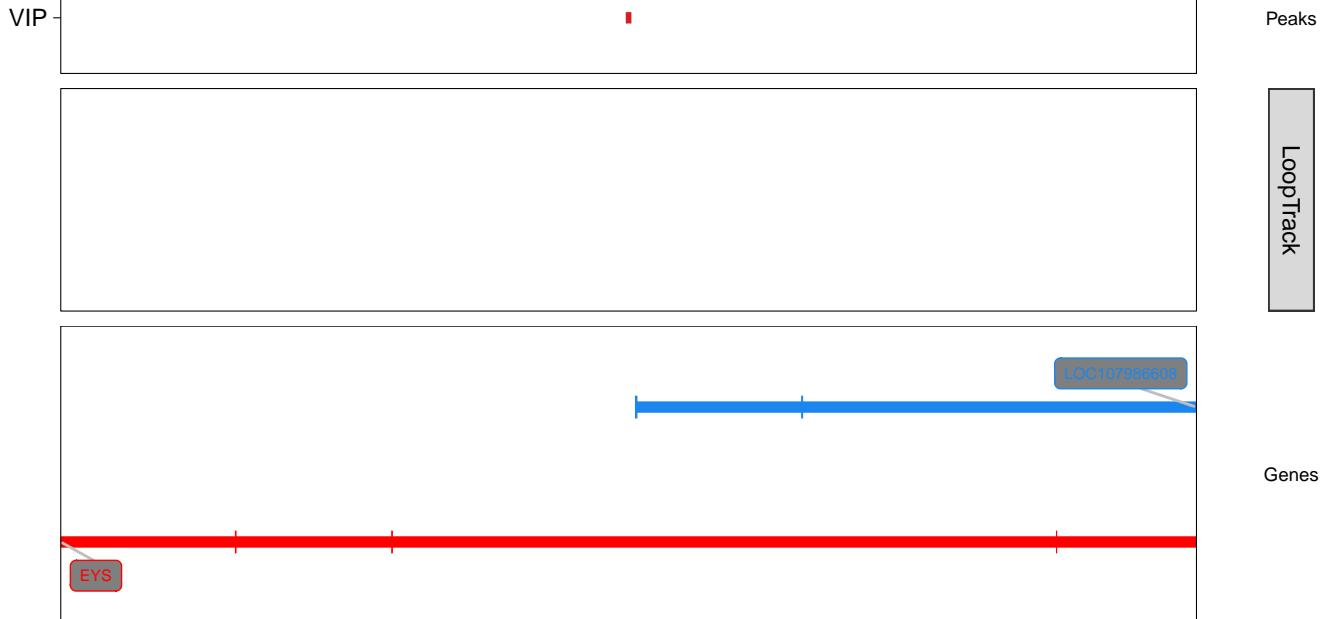
132050000 132075000 132100000 132125000 132150000



chr4:108673774–108774275 Marker Peak Tracks for: VIP

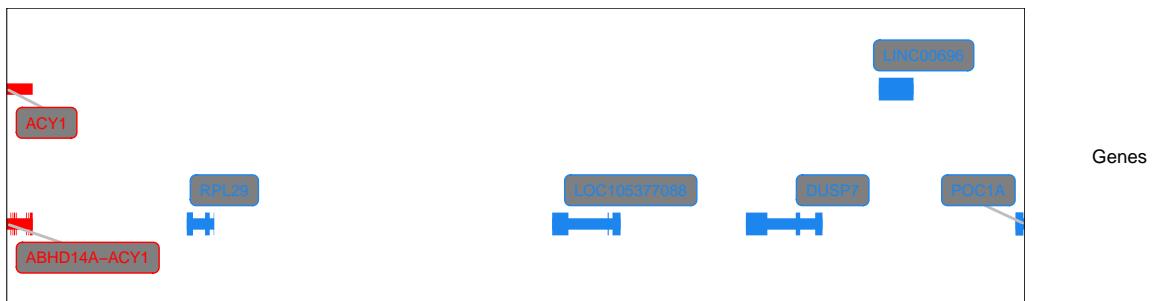
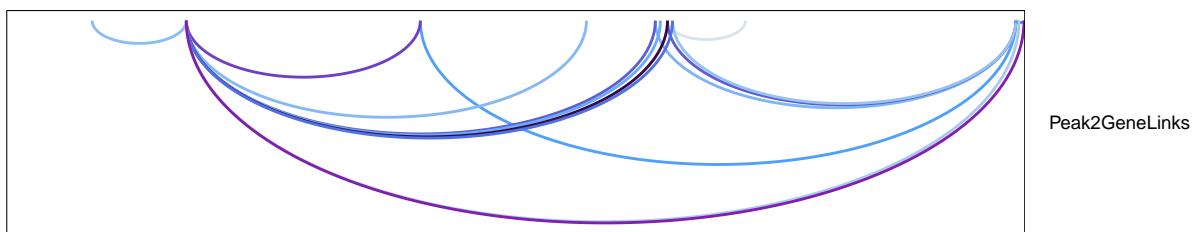
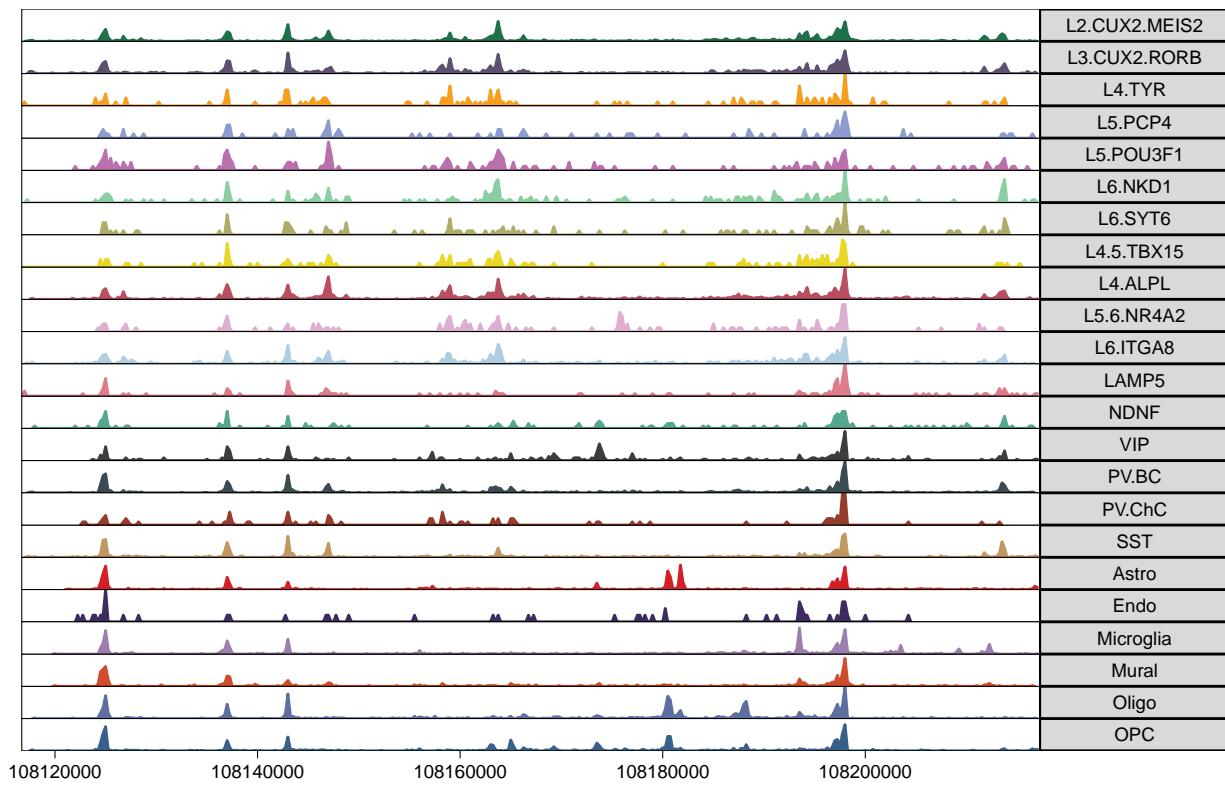
Coverage
(Norm. ATAC Signal Range (0–0.85) by ReadsInTSS)

108675000 108700000 108725000 108750000

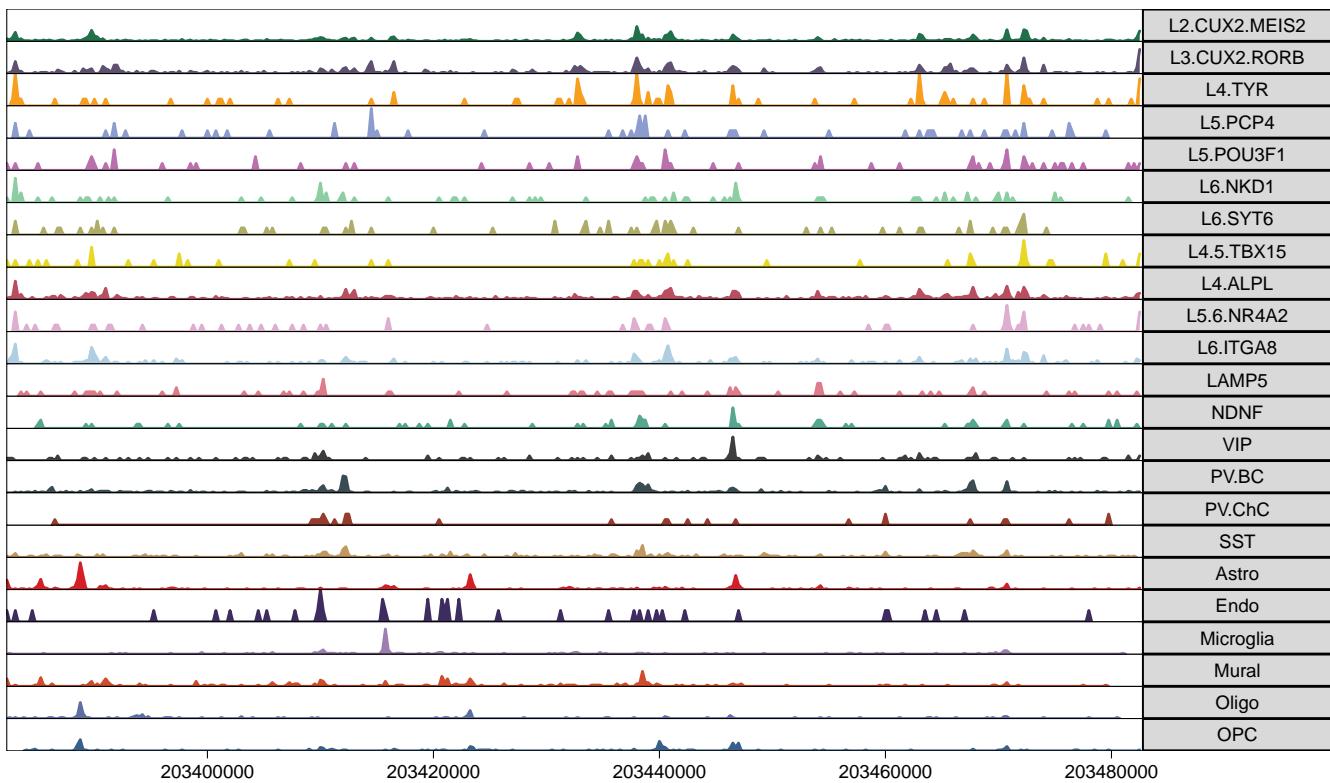


chr2:108116719–108217220 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.89) by ReadsInTSS)

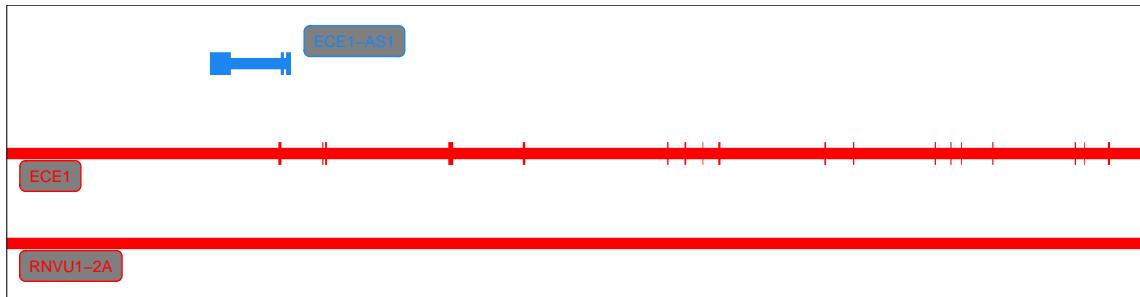
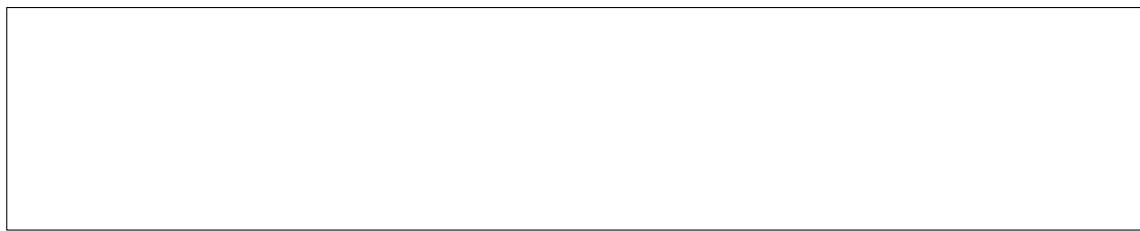
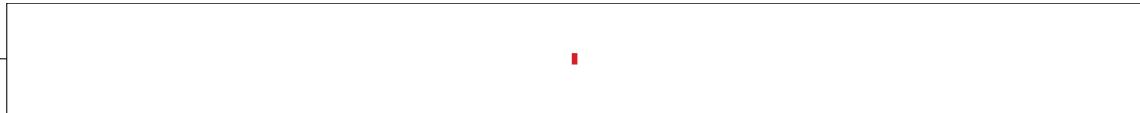


chr1:203382241–203482742 Marker Peak Tracks for: VIP

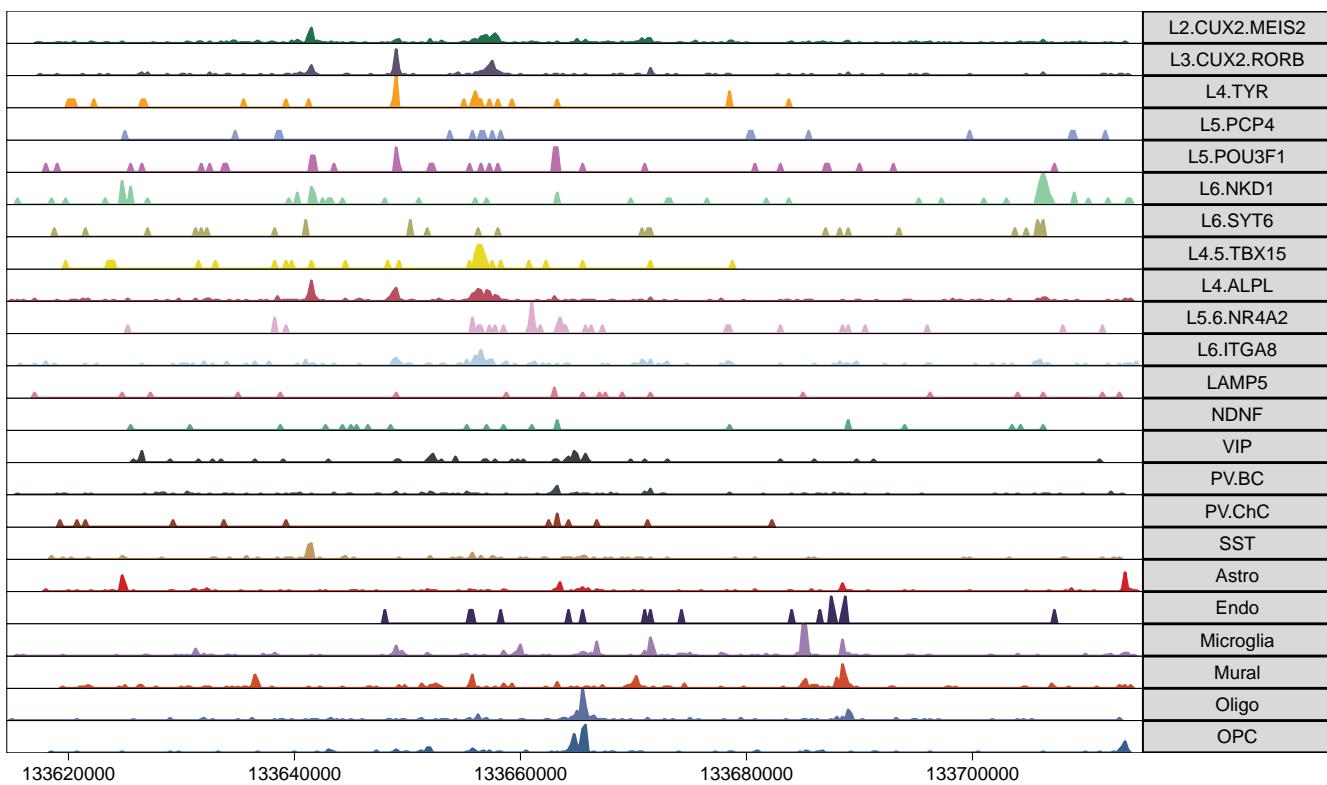
Coverage
(Norm. ATAC Signal Range (0–1.12) by ReadsInTSS)

VIP

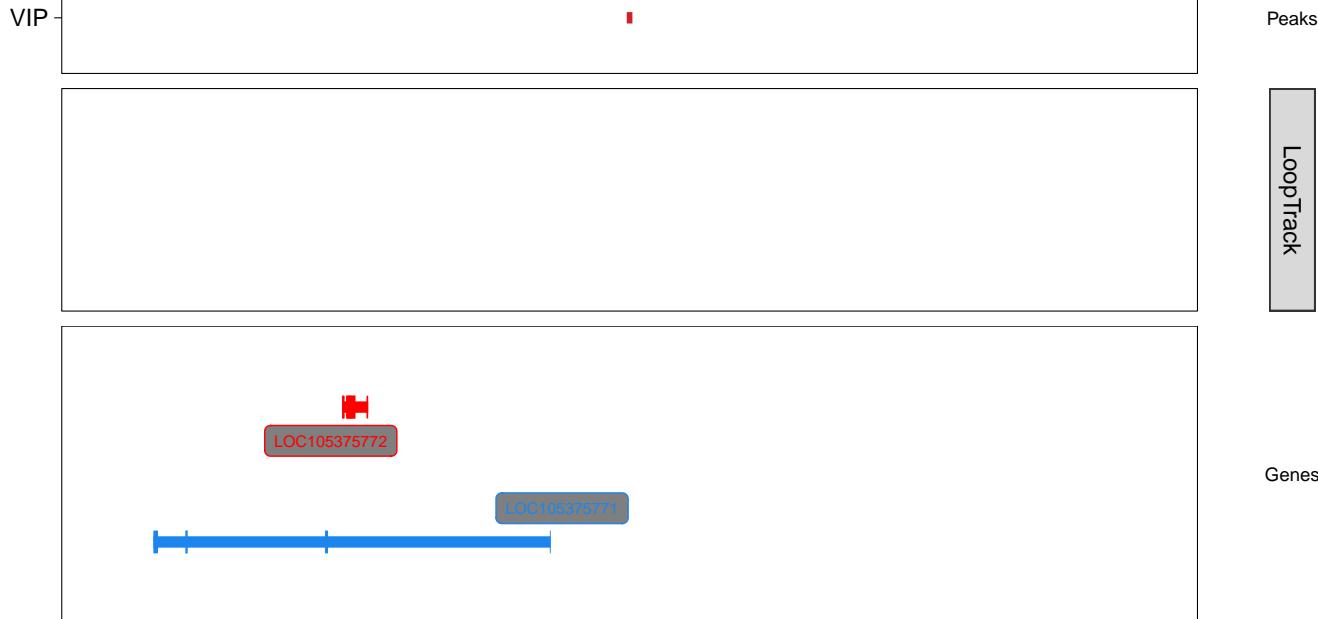
Peaks



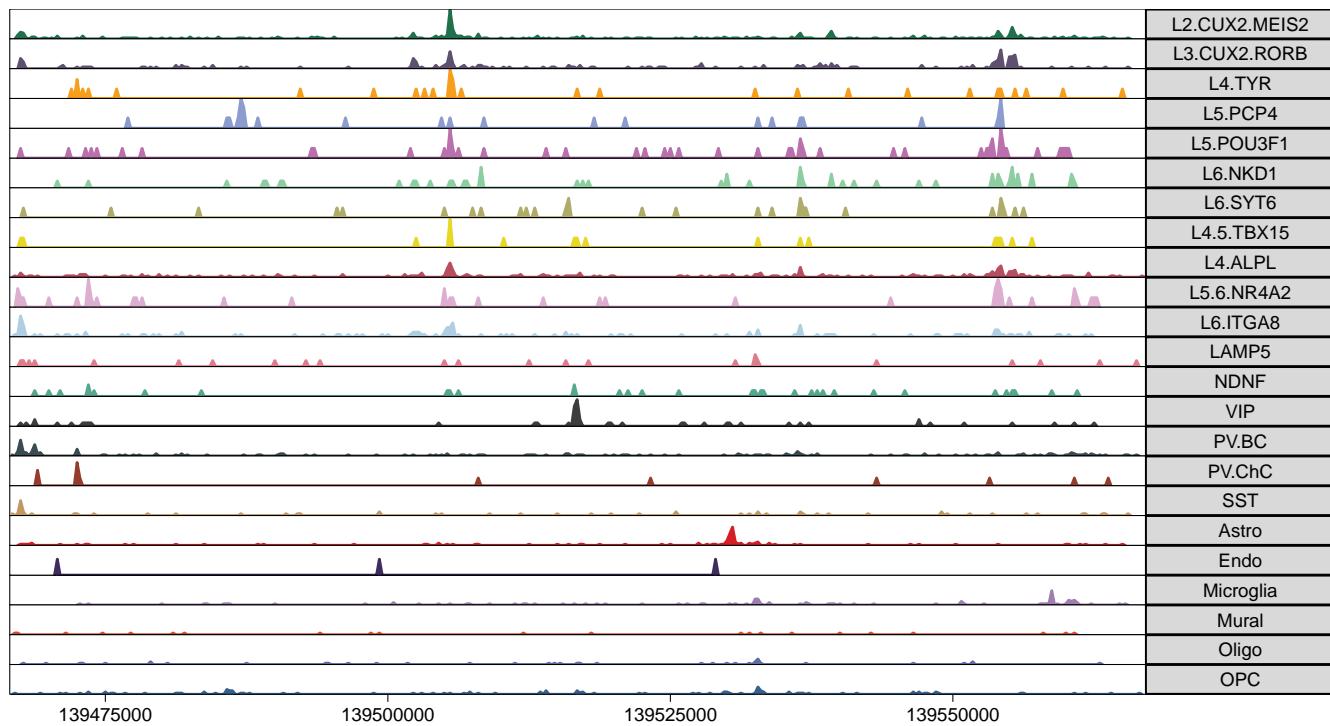
chr8:133614540–133715041 Marker Peak Tracks for: VIP

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

133620000 133640000 133660000 133680000 133700000



chr8:139466540–139567041 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.73) by ReadsIntSS)

139475000 139500000 139525000 139550000

VIP

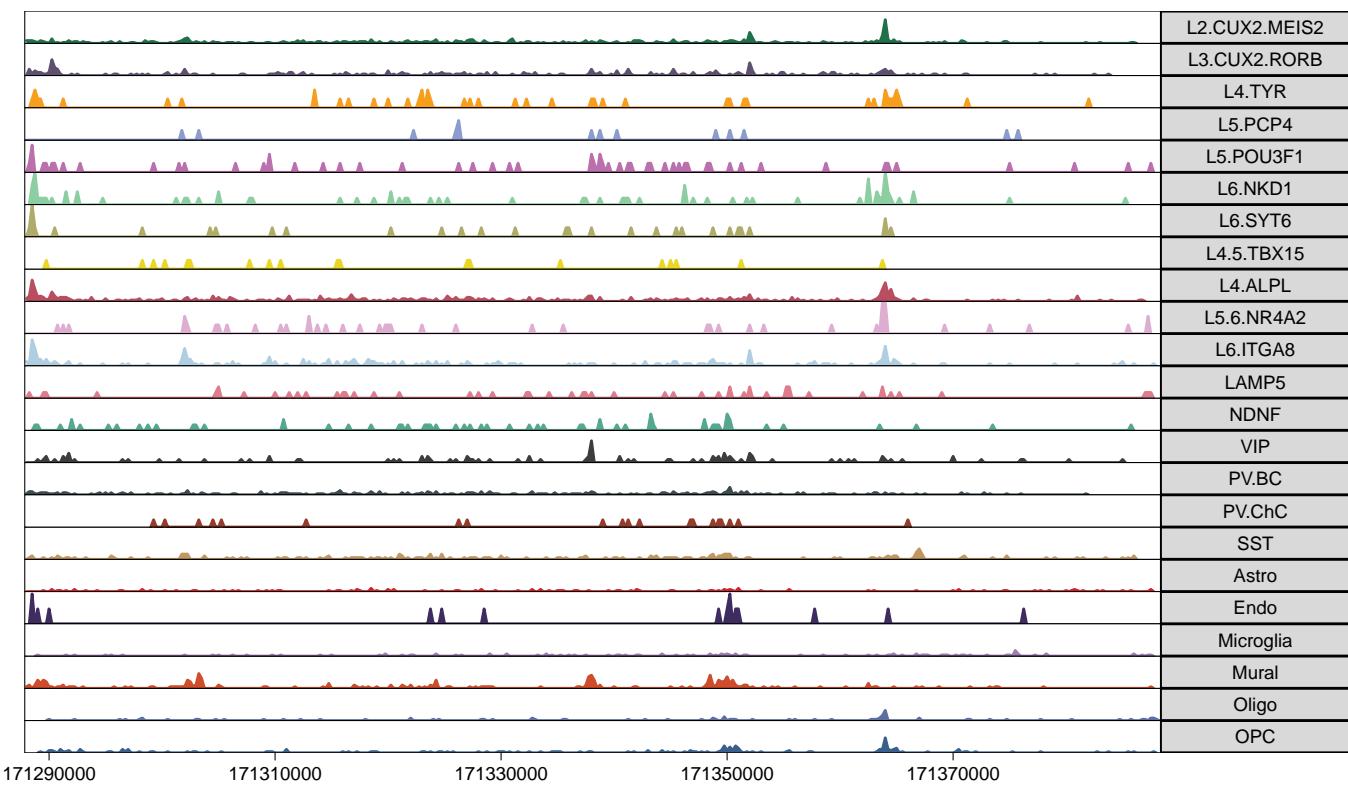
Peaks

LoopTrack

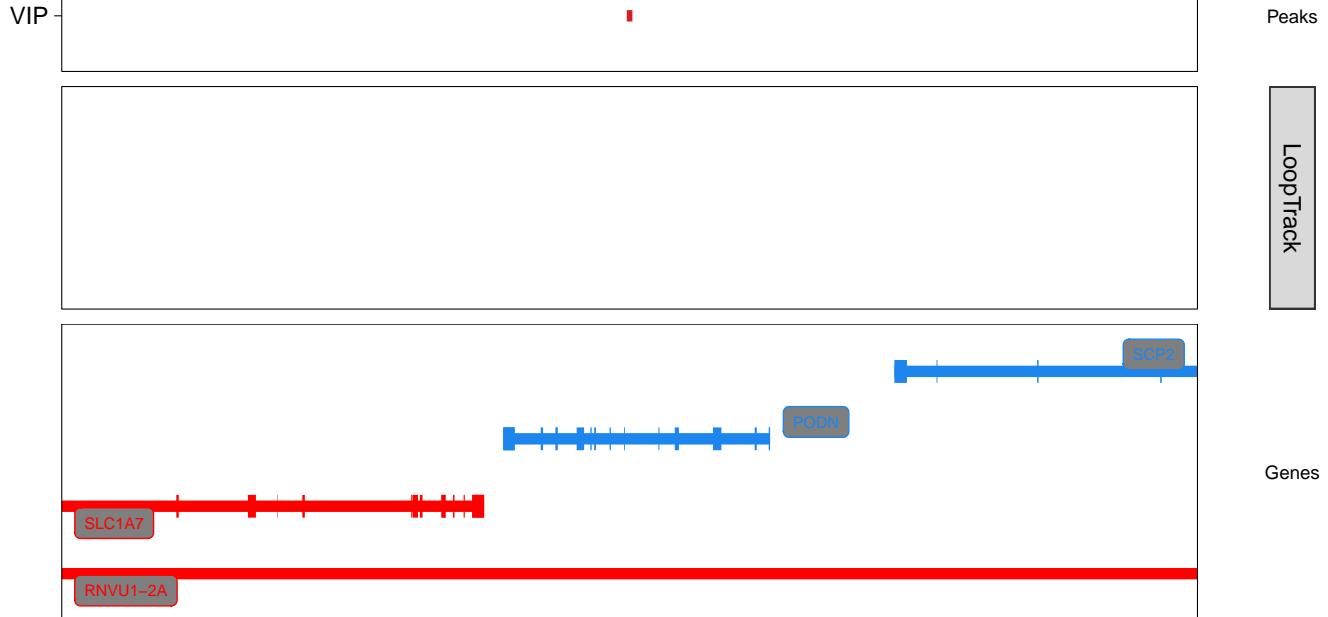
GeneTrack

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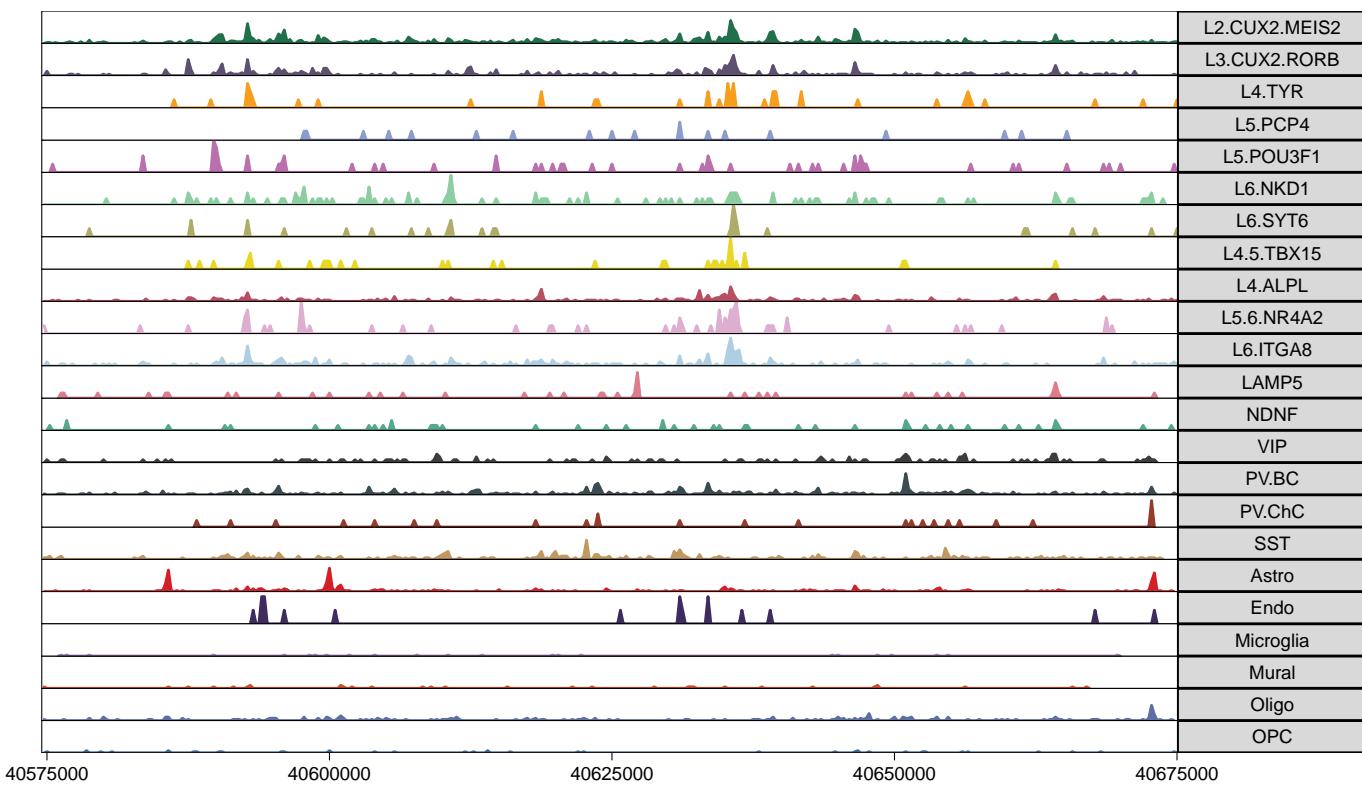
chr1:171287848–171388349 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.84) by ReadsInTSS)

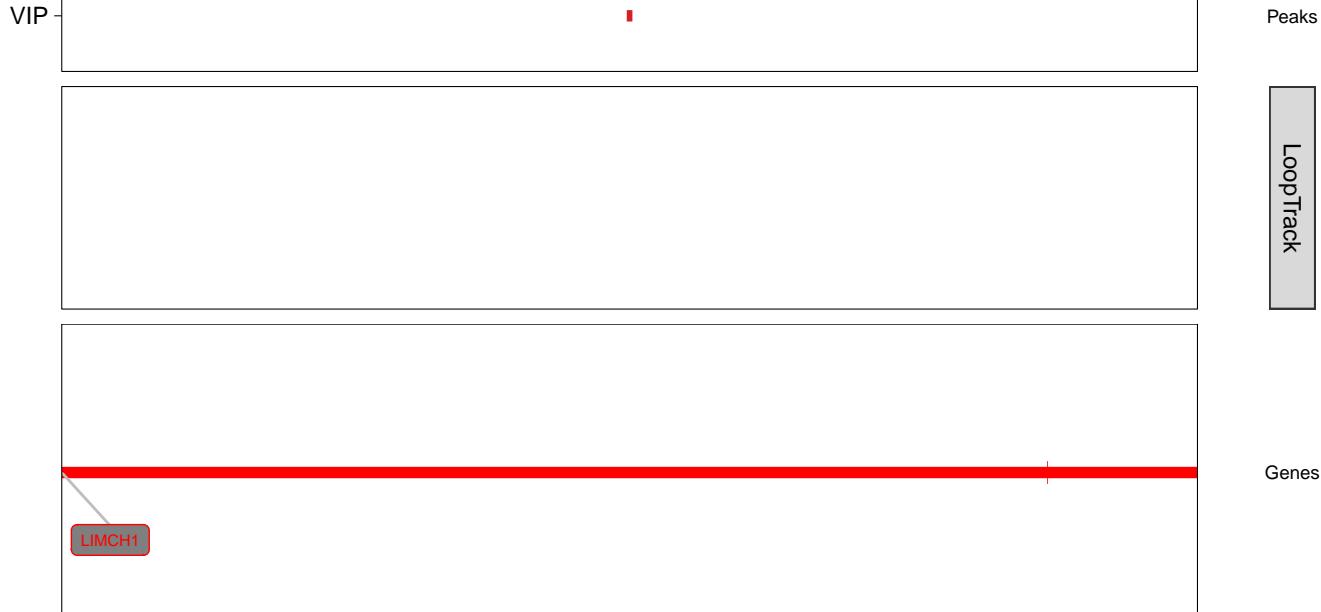
171290000 171310000 171330000 171350000 171370000



chr5:40574539–40675040 Marker Peak Tracks for: VIP

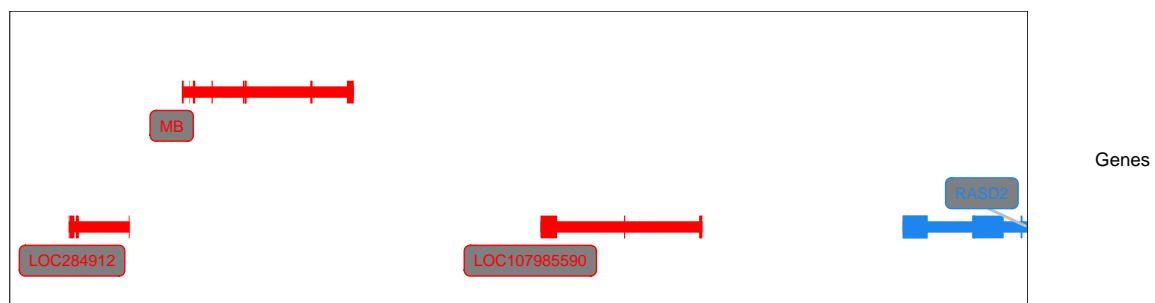
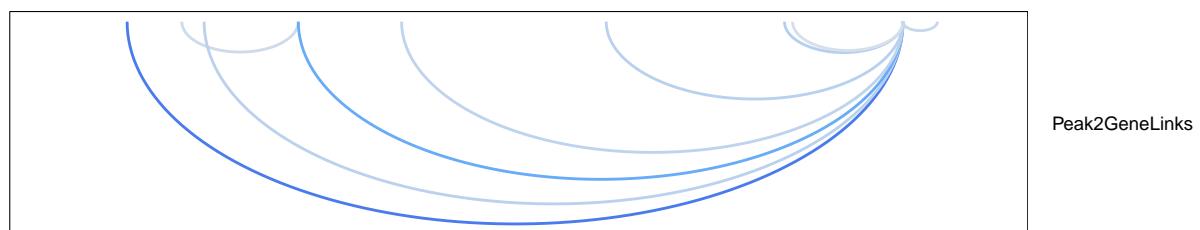
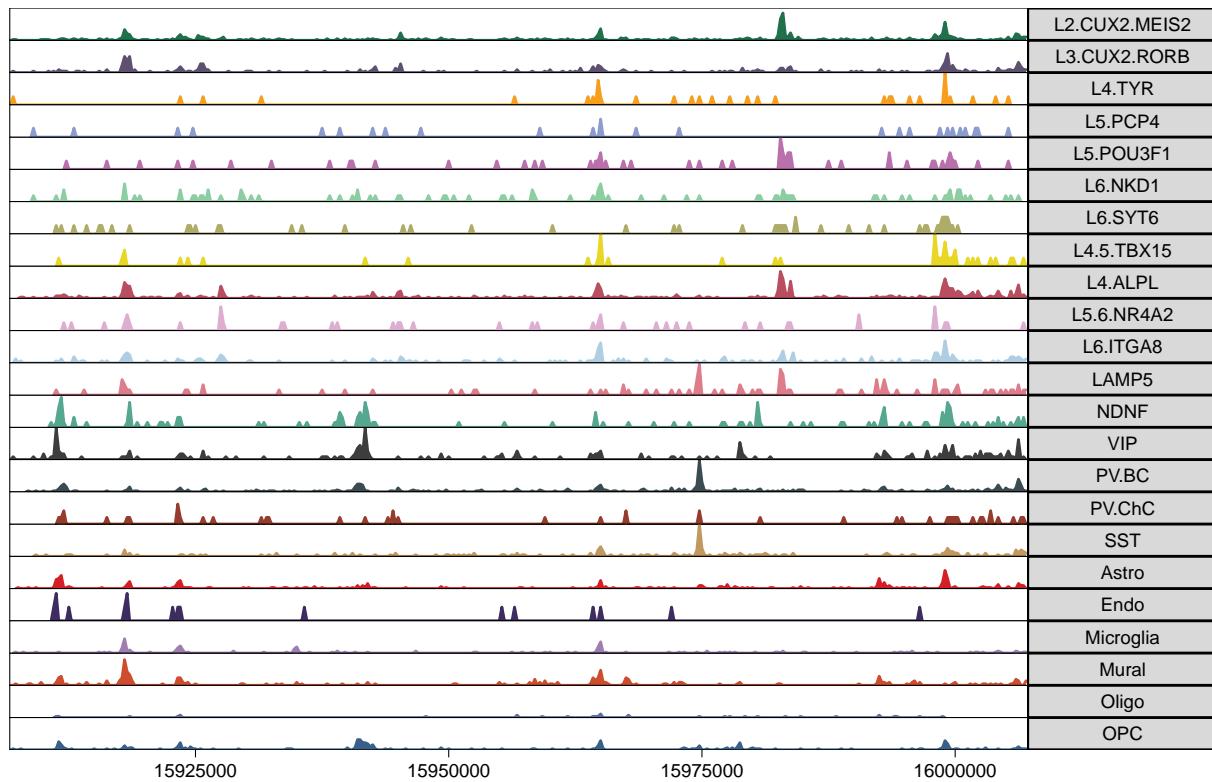
Coverage
(Norm. ATAC Signal Range (0–0.93) by ReadInTSS)

40575000 40600000 40625000 40650000 40675000



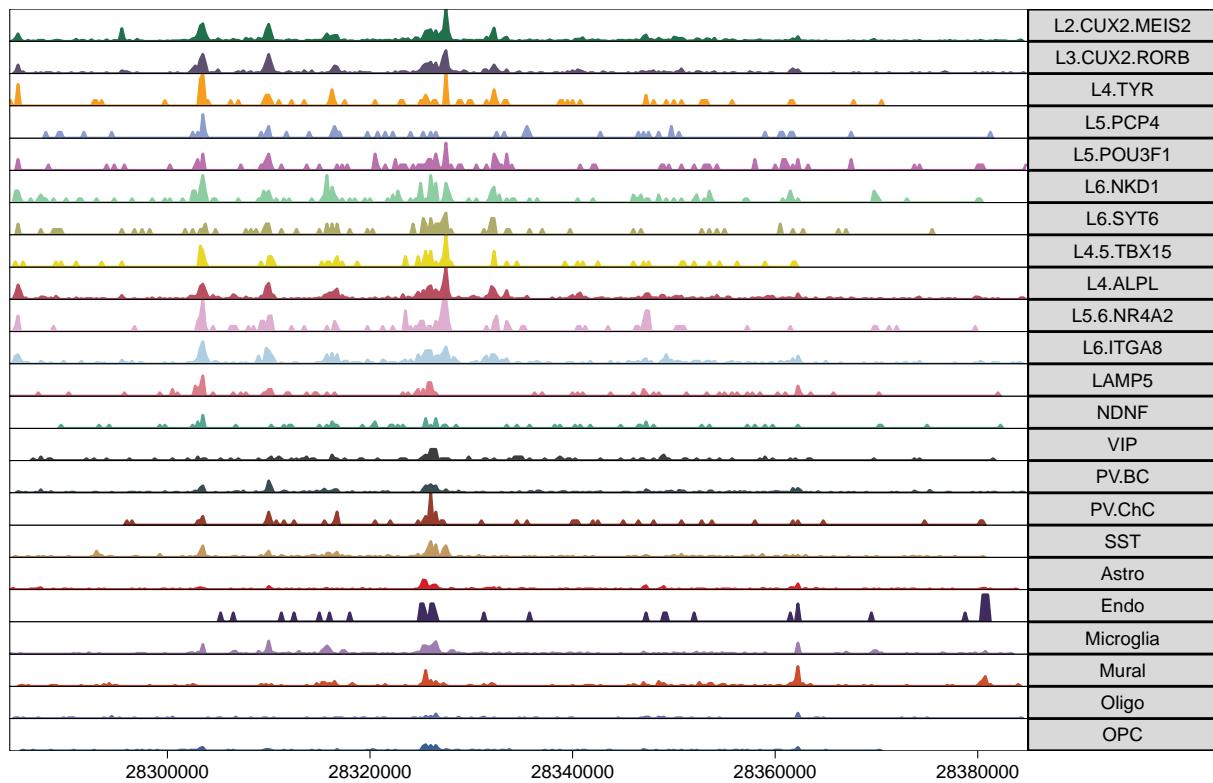
chr10:15906662–16007163 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.92) by ReadsInTSS)



chr10:28284433–28384934 Marker Peak Tracks for: VIP

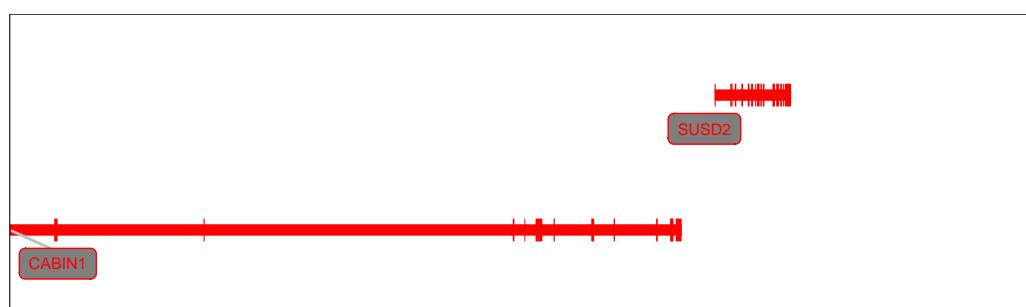
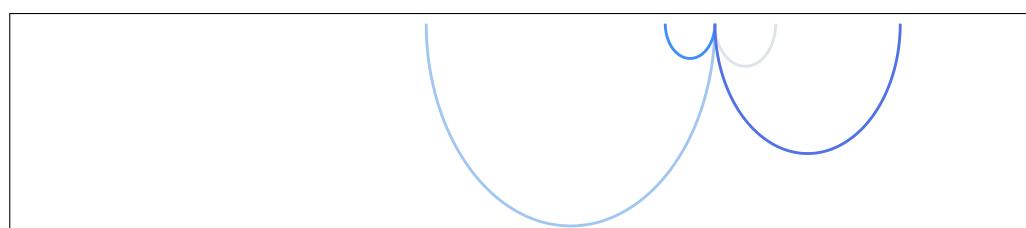
Coverage
(Norm. ATAC Signal Range (0-1.4) by ReadsInTSS)



28300000 28320000 28340000 28360000 28380000

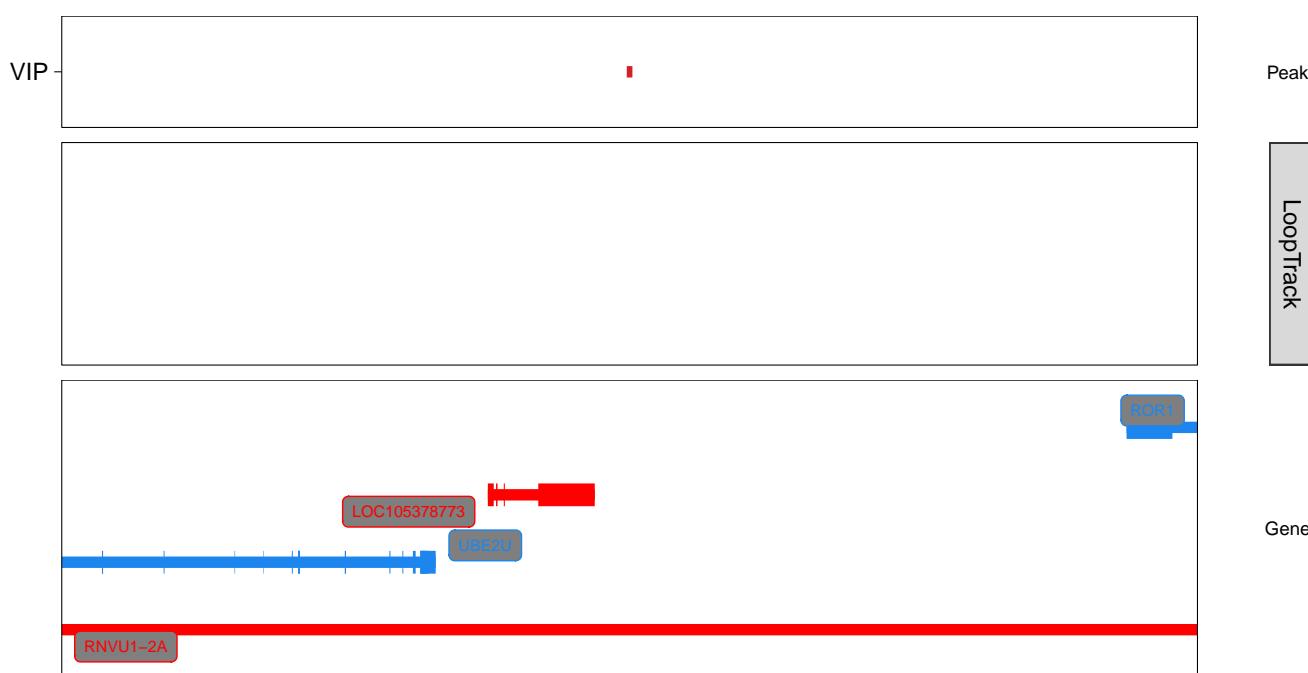
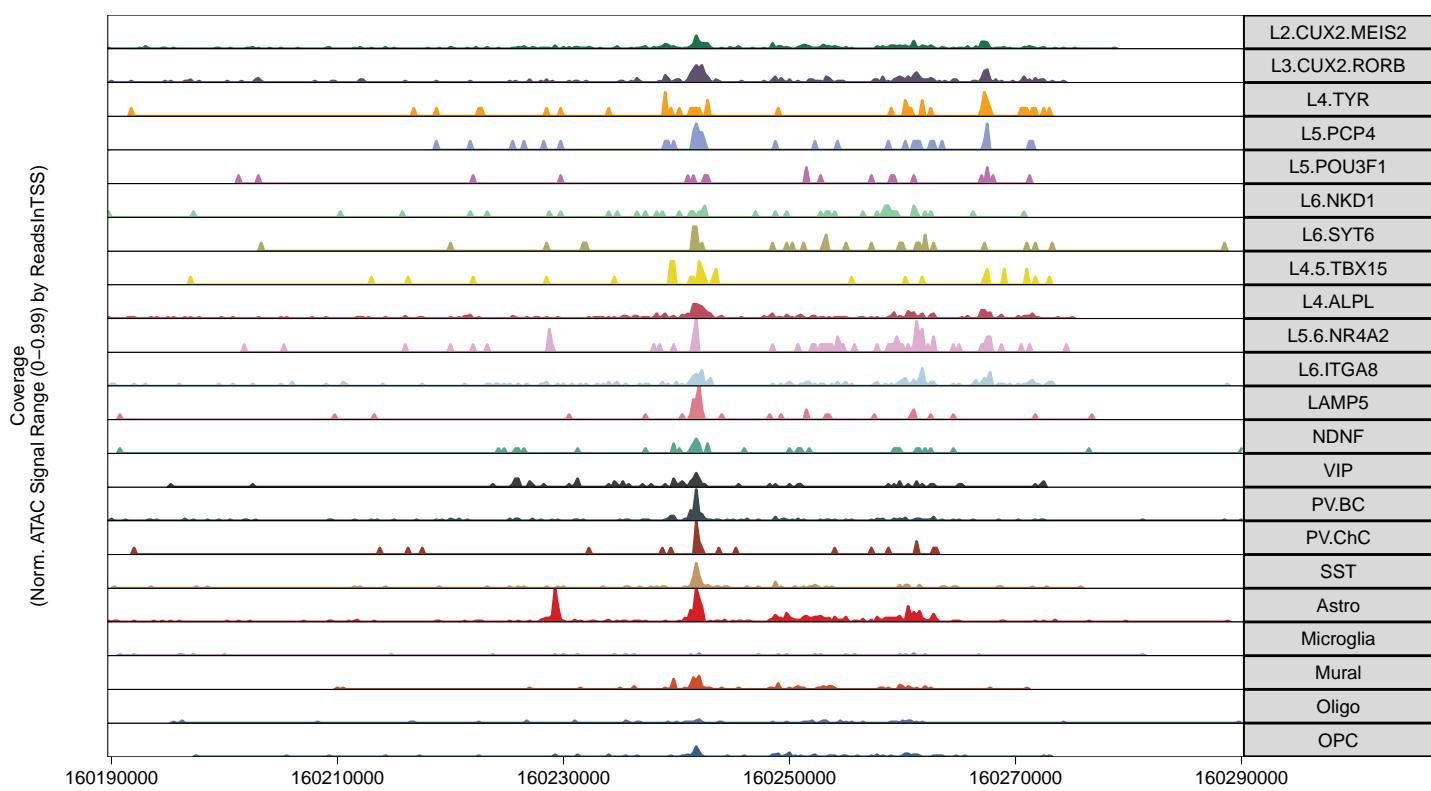


Peak2GeneLinks



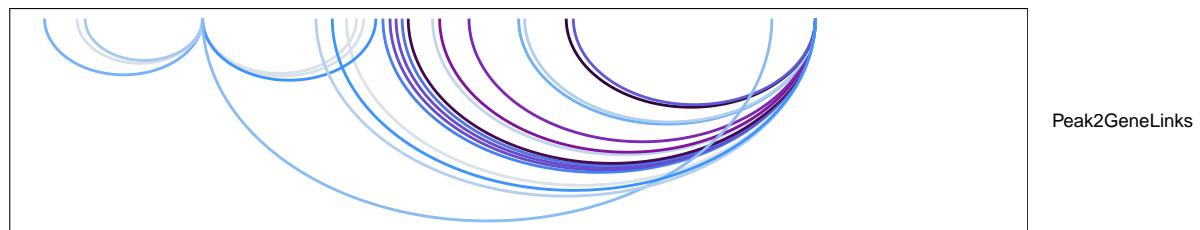
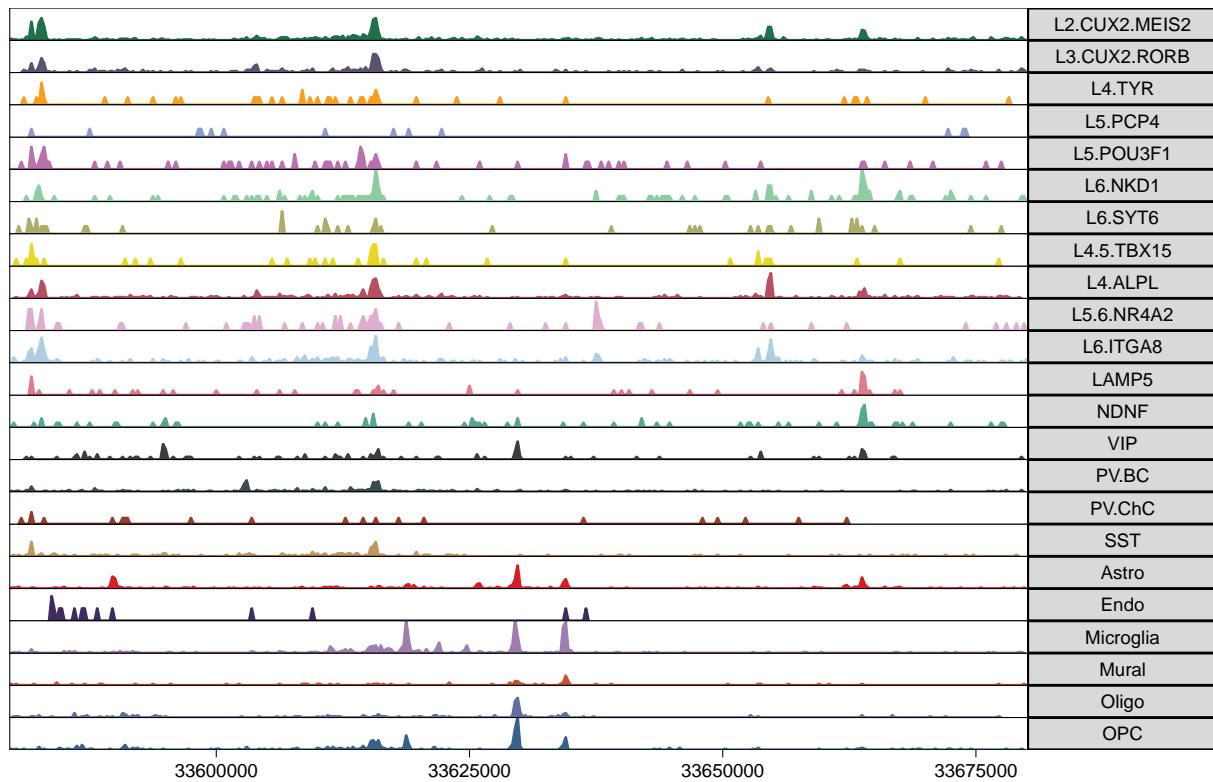
CABIN1

chr1:160189670–160290171 Marker Peak Tracks for: VIP



chr10:33579610–33680111 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.03) by ReadsInTSS)

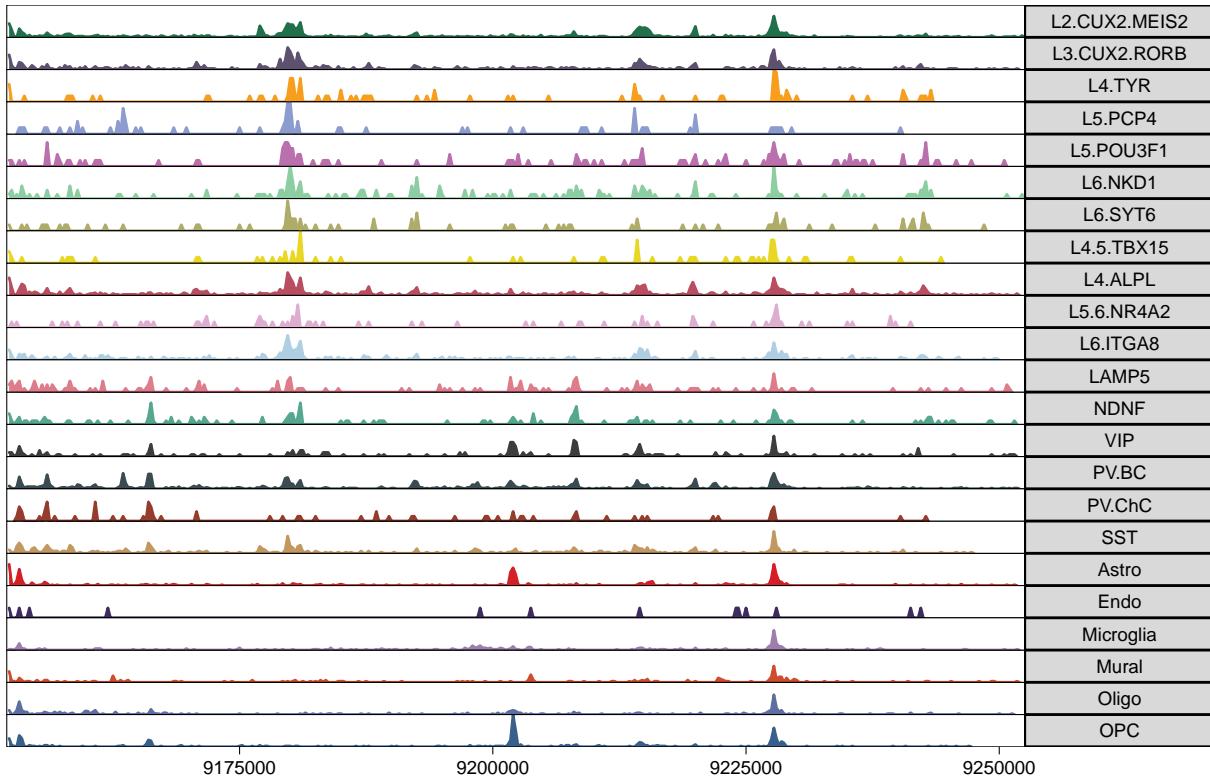


value

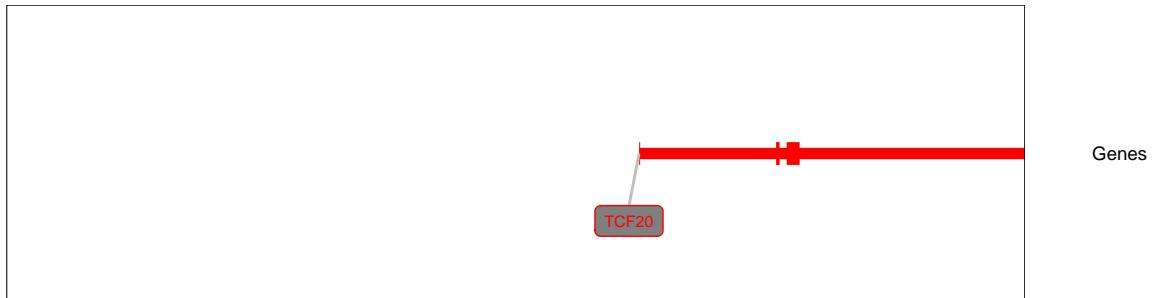
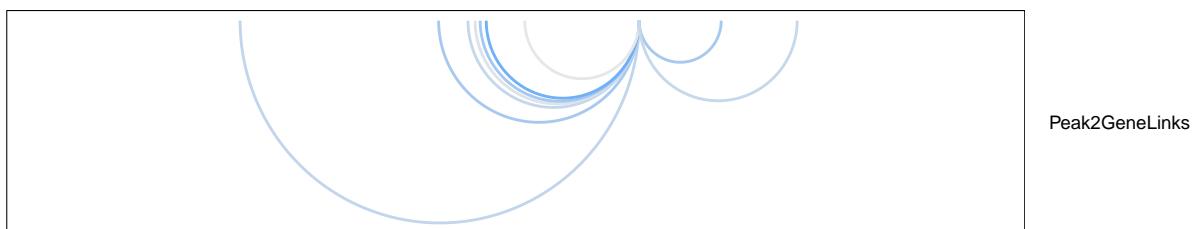
0.8
0.6
0.4
0.2

chr10:9152012–9252513 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.28) by ReadsInTSS)

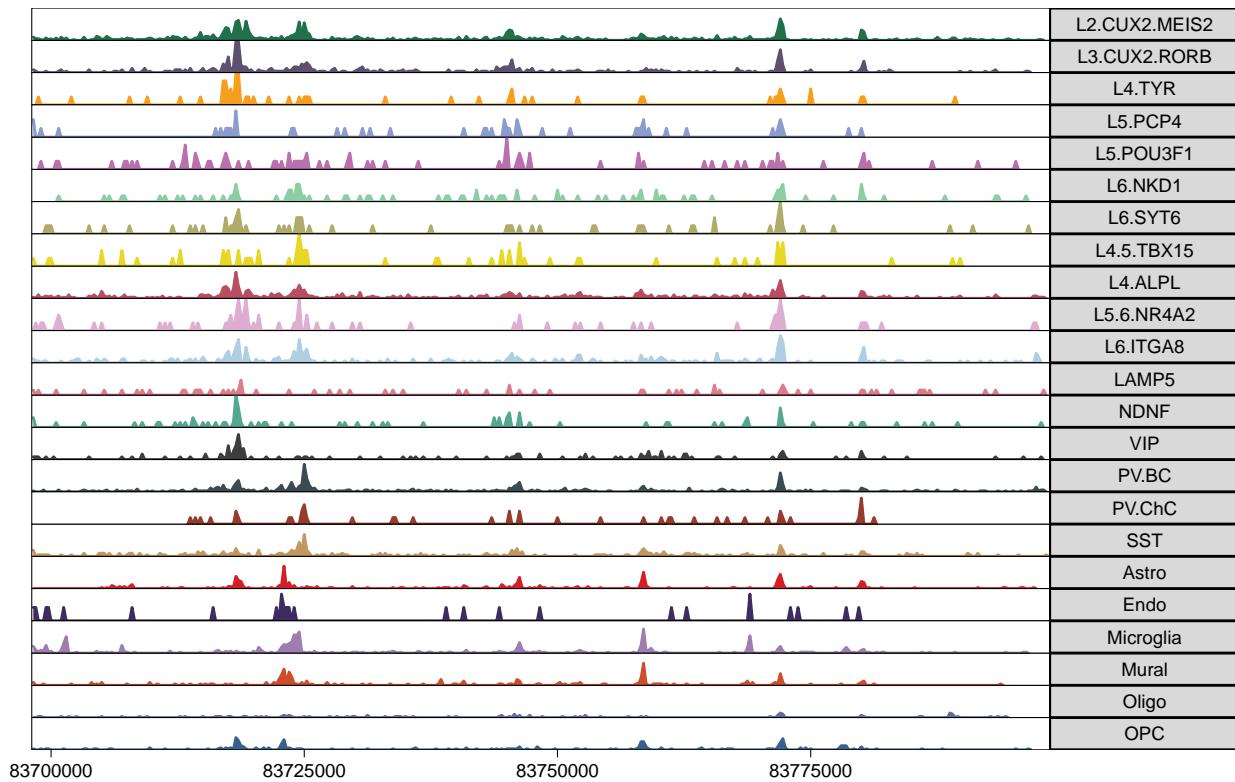


9175000 9200000 9225000 9250000



chr13:83698094–83798595 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.94) by ReadsInTSS)

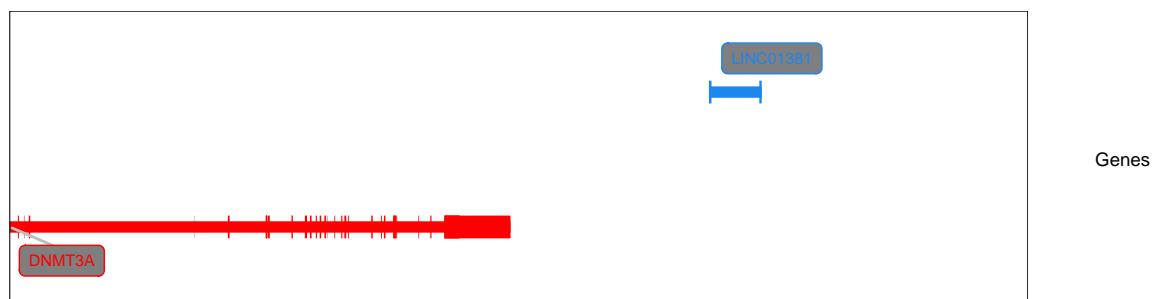
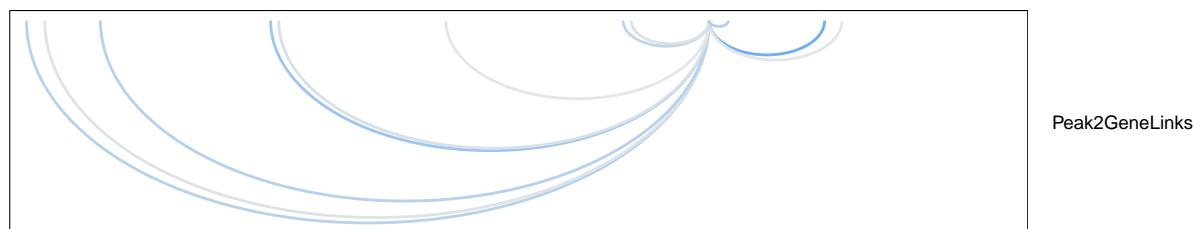


83700000 83725000 83750000 83775000

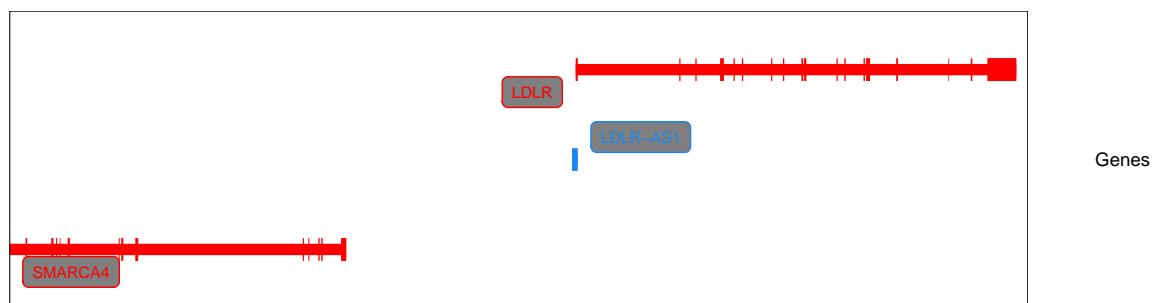
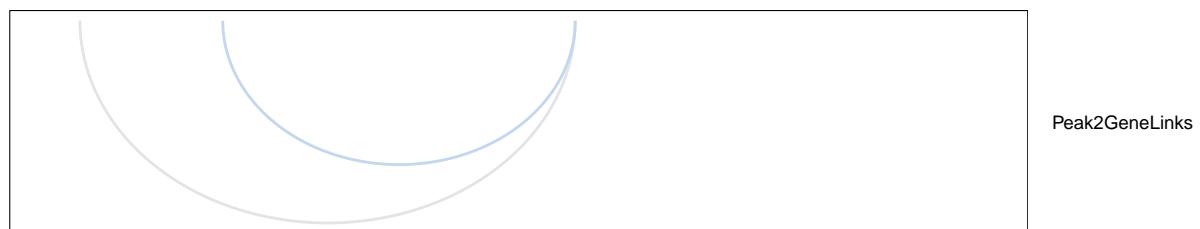
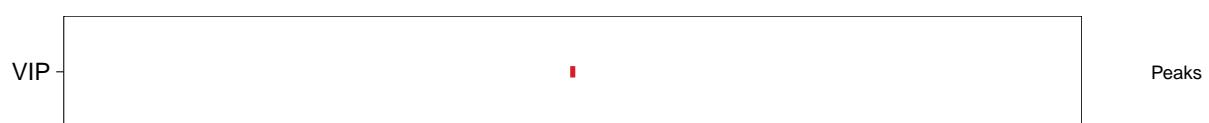
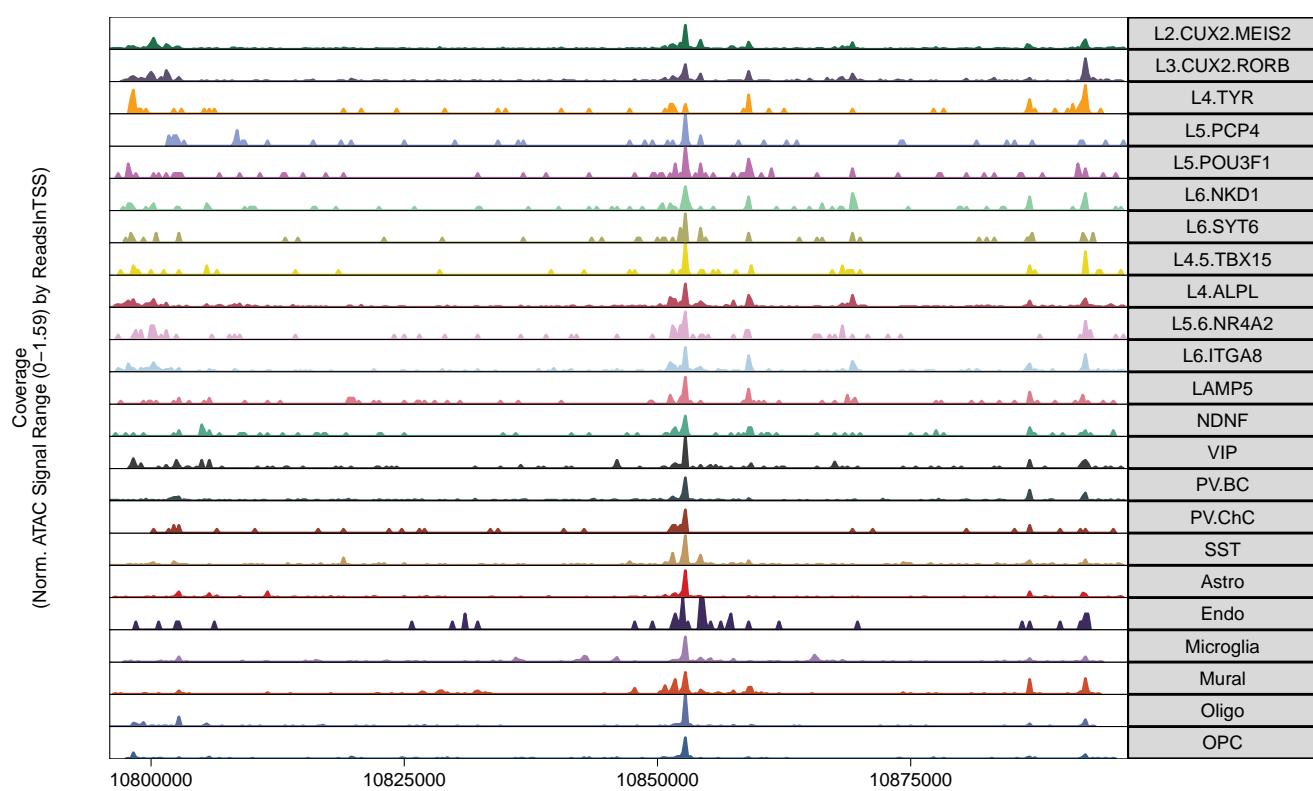


value

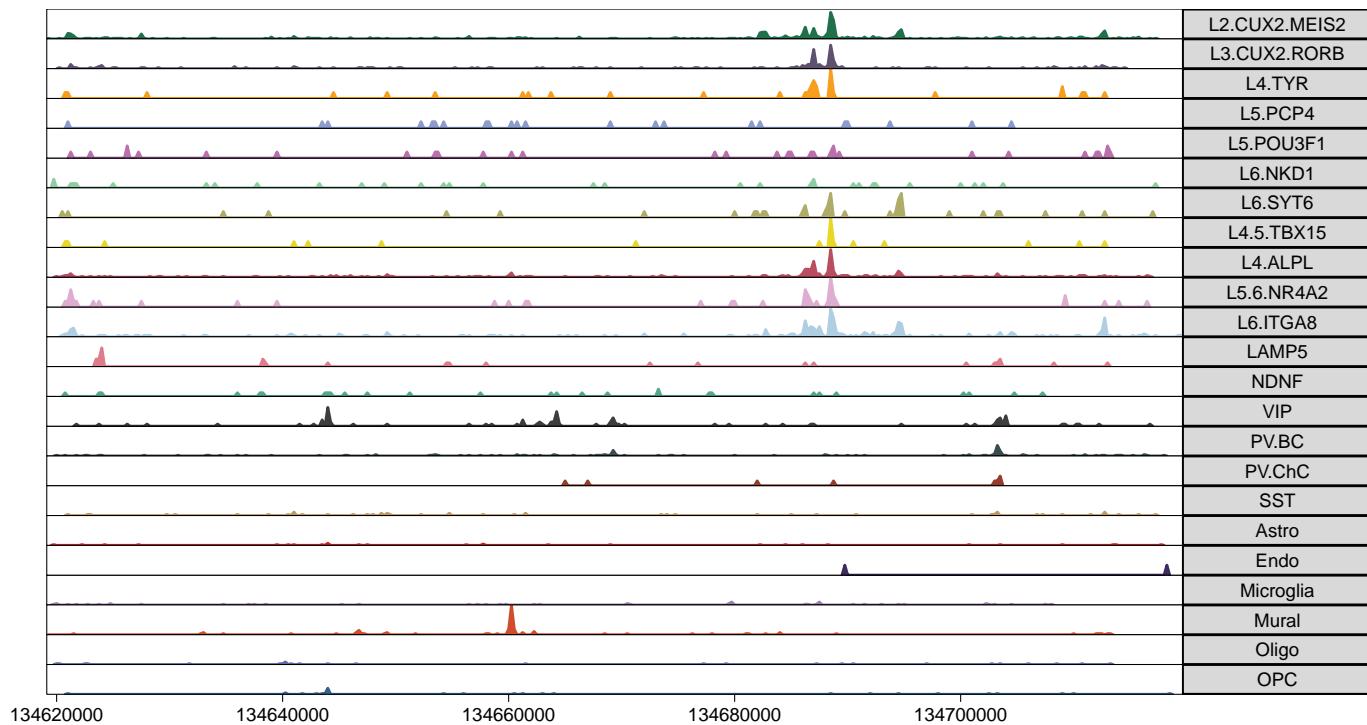
0.8
0.6
0.4
0.2



chr19:10795922–10896423 Marker Peak Tracks for: VIP



chr8:134619126–134719627 Marker Peak Tracks for: VIP

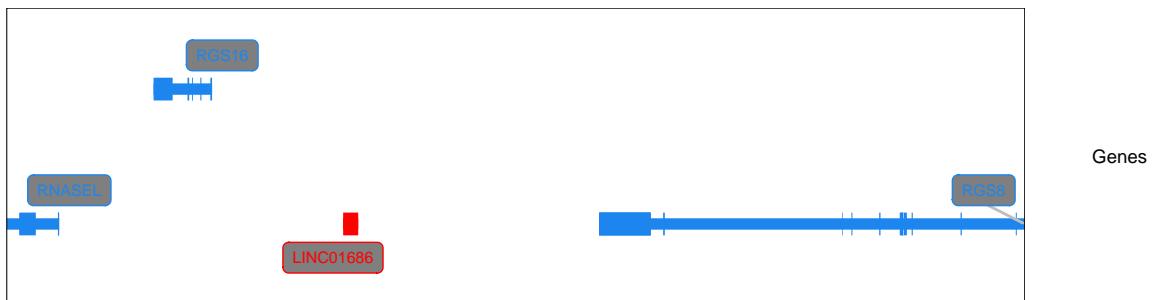
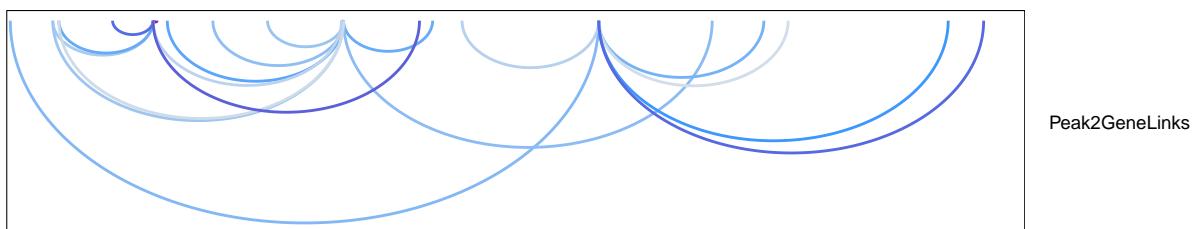
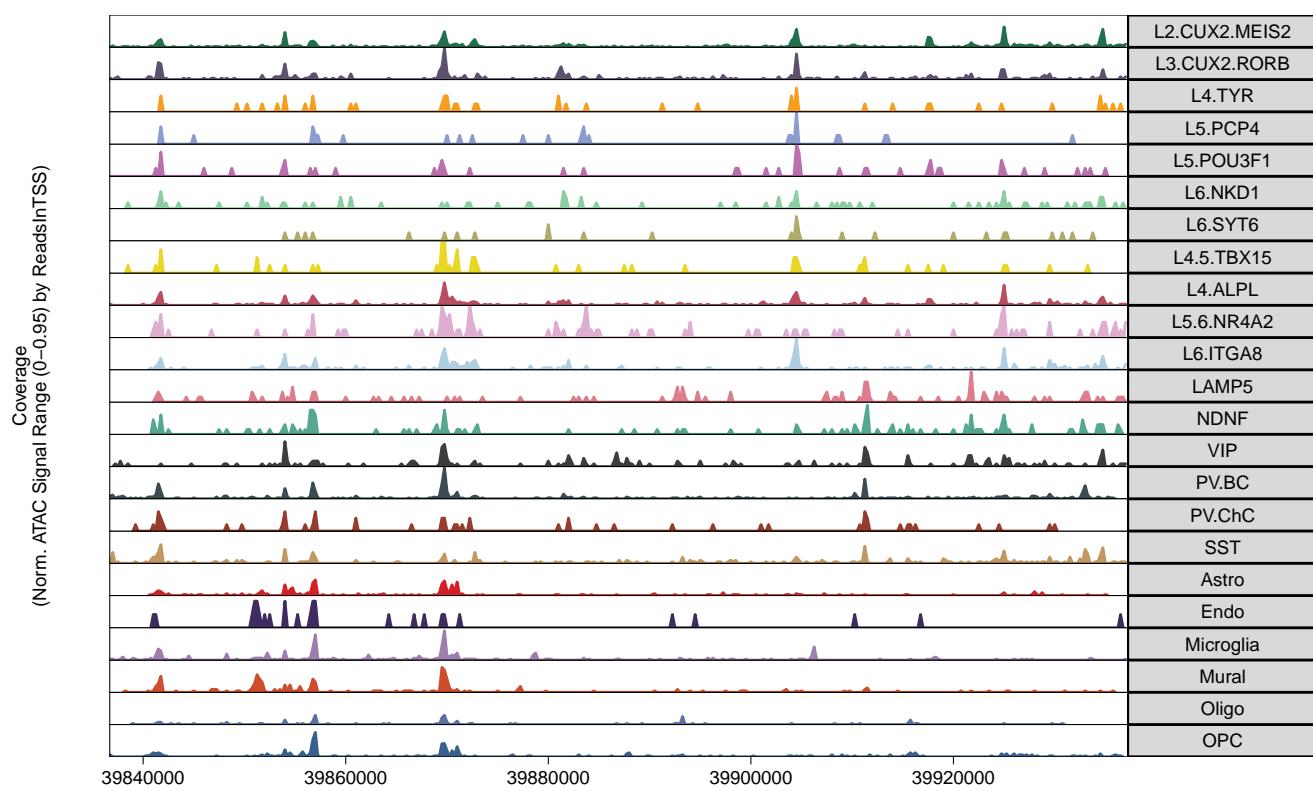
Coverage
(Norm. ATAC Signal Range (0–1.17) by ReadstTSS)

134620000 134640000 134660000 134680000 134700000

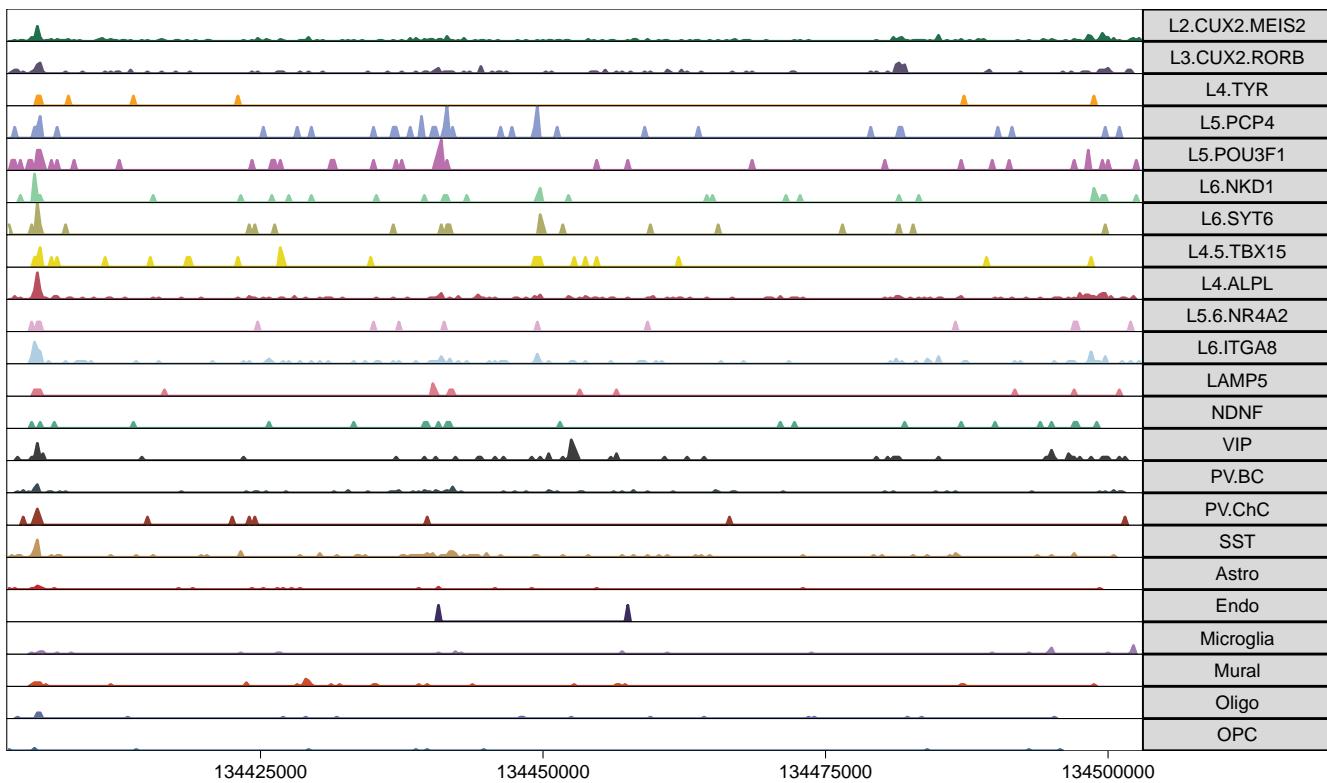


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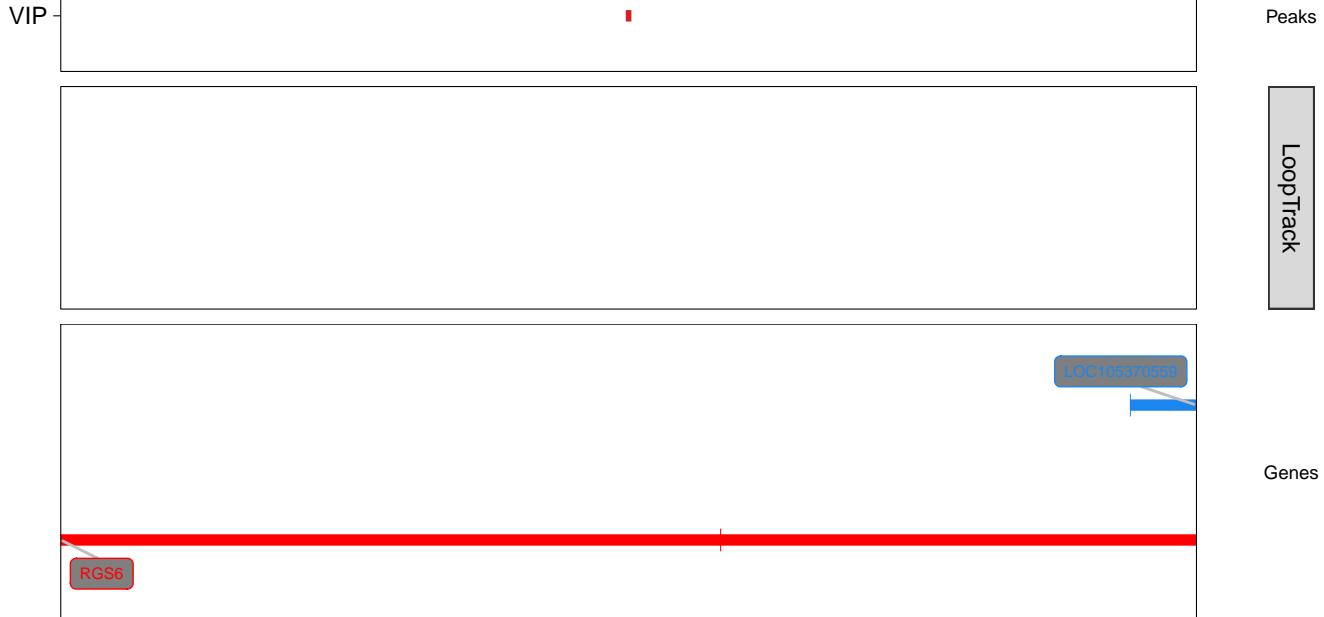
chr1:39836702–39937203 Marker Peak Tracks for: VIP



chr7:134402543–134503044 Marker Peak Tracks for: VIP

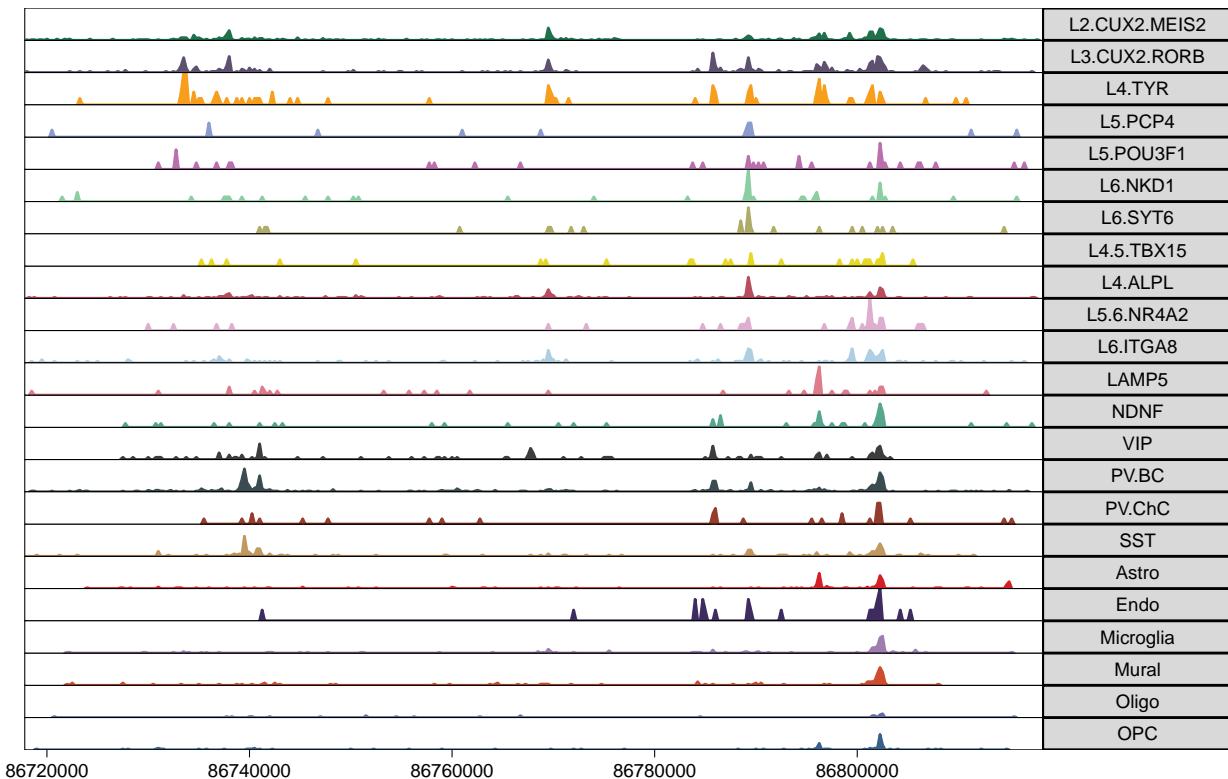
Coverage
(Norm. ATAC Signal Range (0–0.76) by ReadsInTSS)

134425000 134450000 134475000 134500000

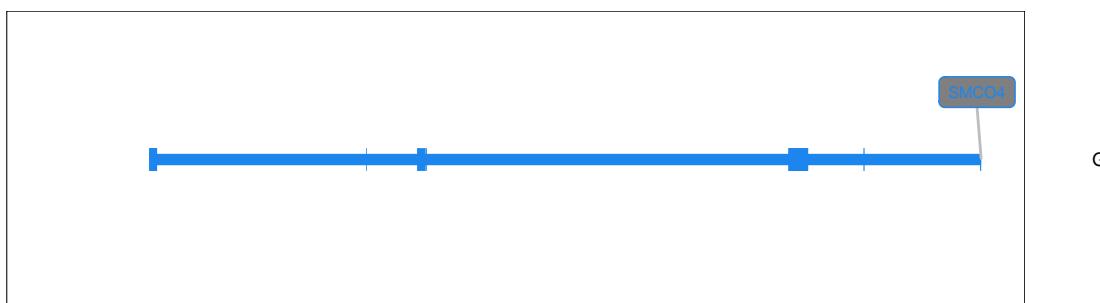
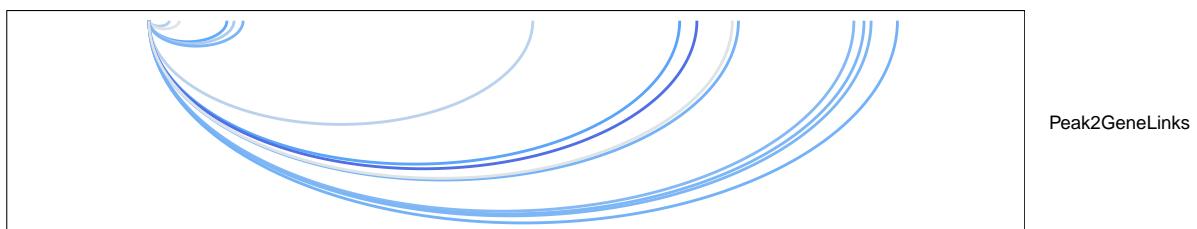


chr14:86717811–86818312 Marker Peak Tracks for: VIP

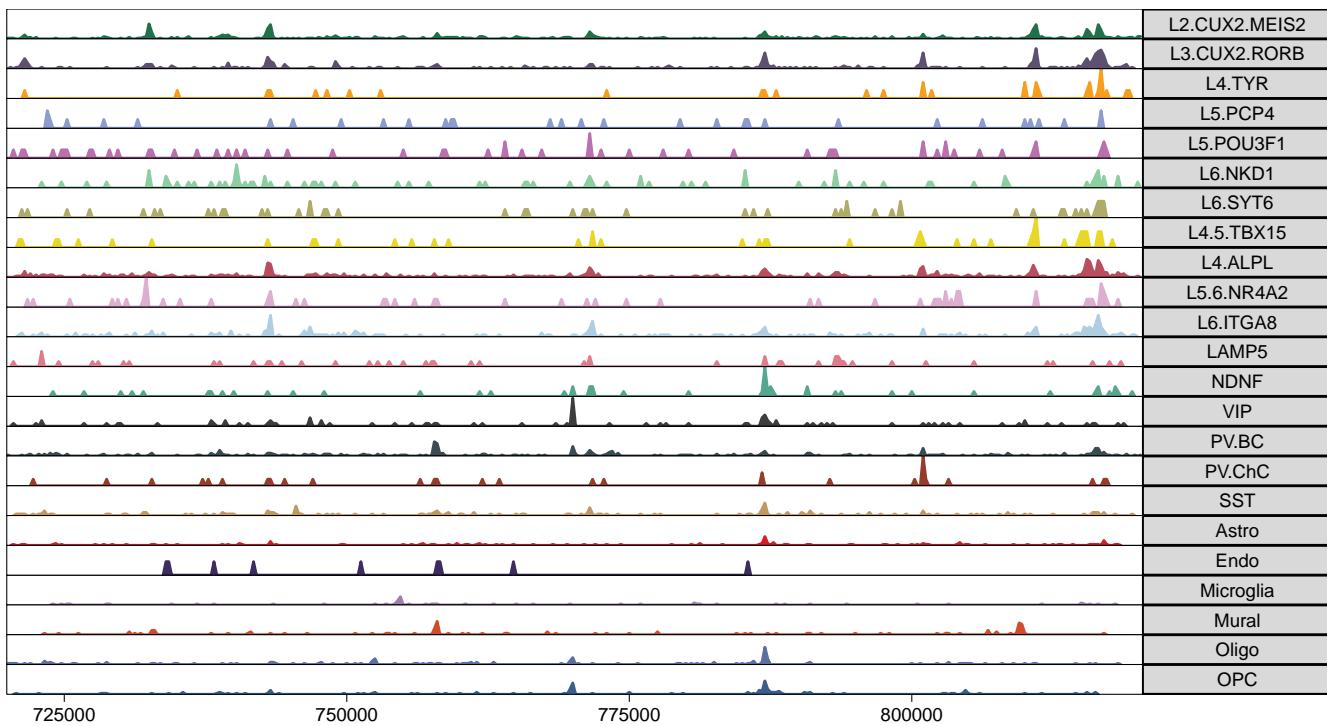
Coverage
(Norm. ATAC Signal Range (0–1.17) by ReadsInTSS)



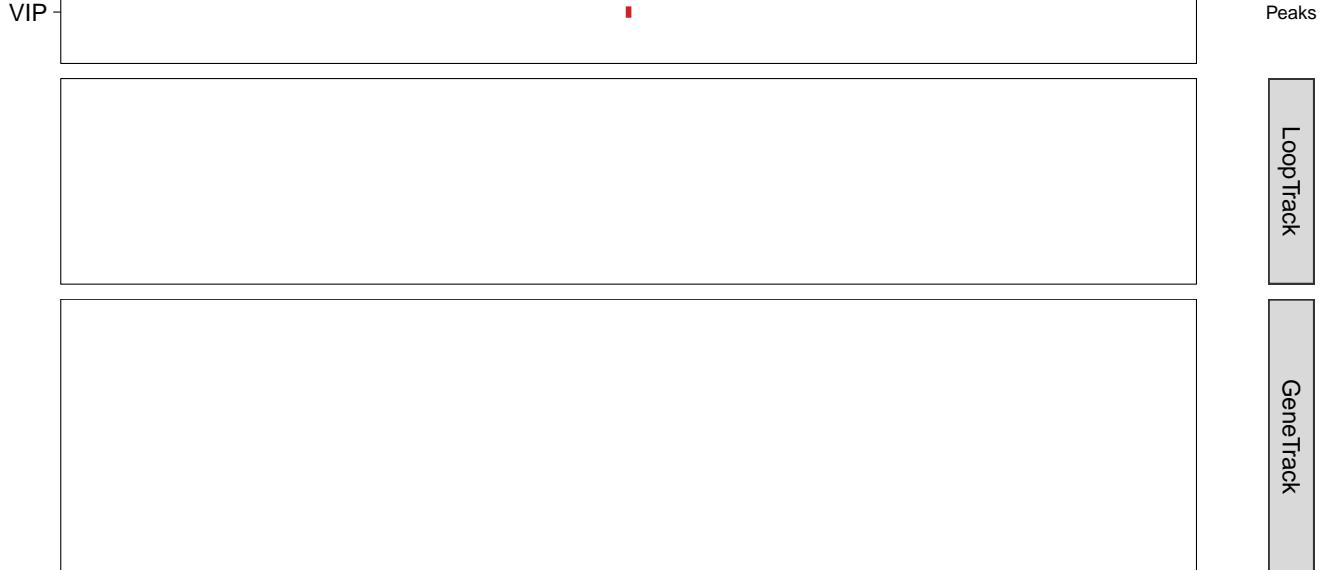
86720000 86740000 86760000 86780000 86800000



chr7:719910–820411 Marker Peak Tracks for: VIP

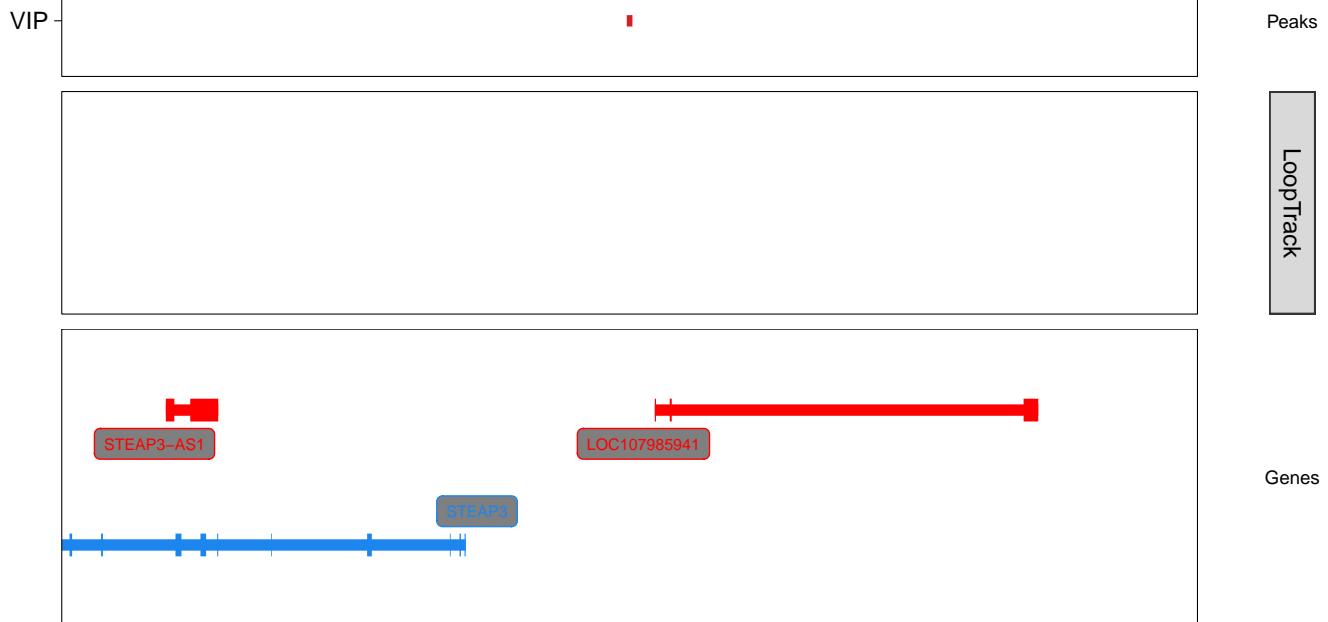
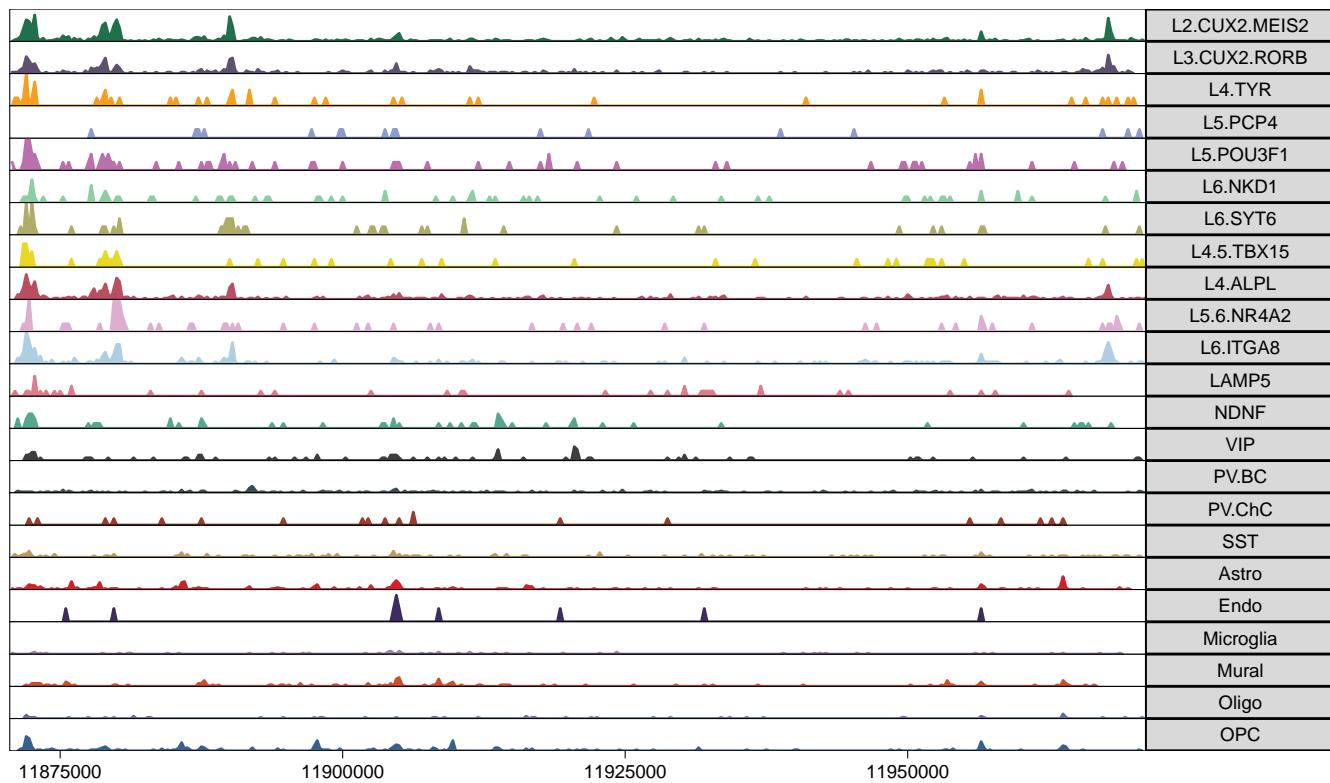
Coverage
(Norm. ATAC Signal Range (0–0.87) by ReadstTSS)

725000 750000 775000 800000

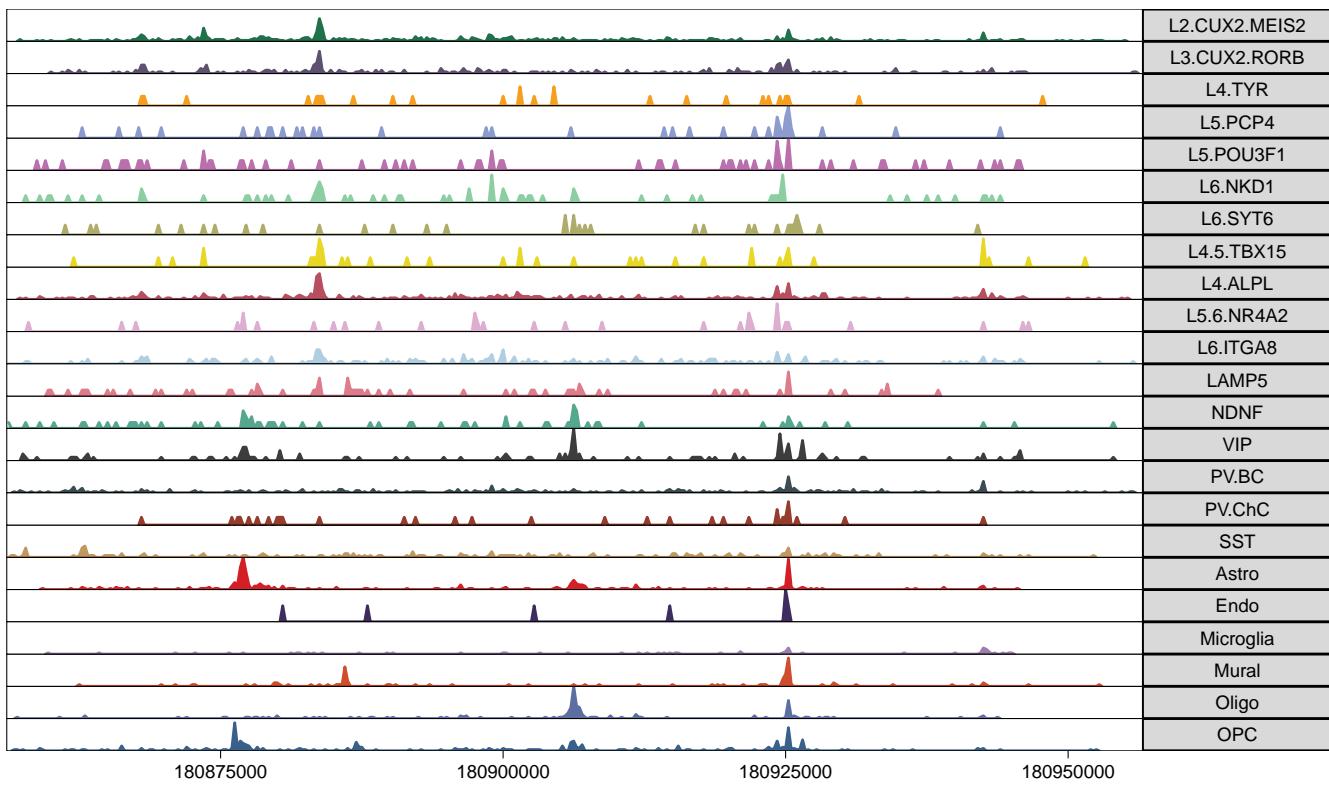


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chr12:11870539–11971040 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.95) by ReadsInTSS)

chr3:180856077–180956578 Marker Peak Tracks for: VIP

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

VIP

Peaks

LoopTrack

LOC105375580

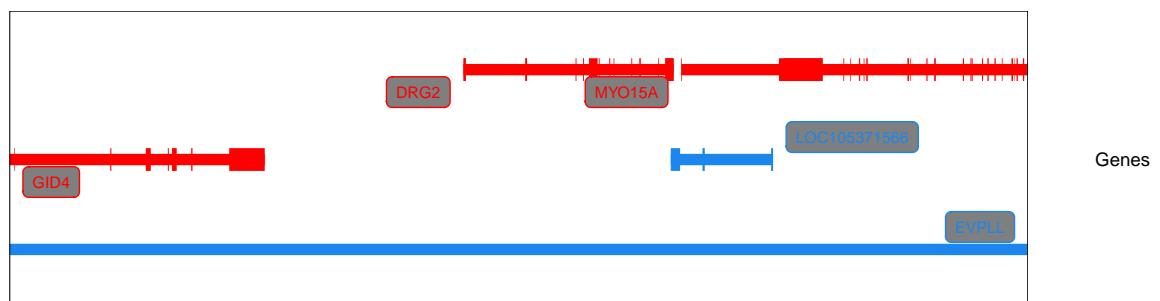
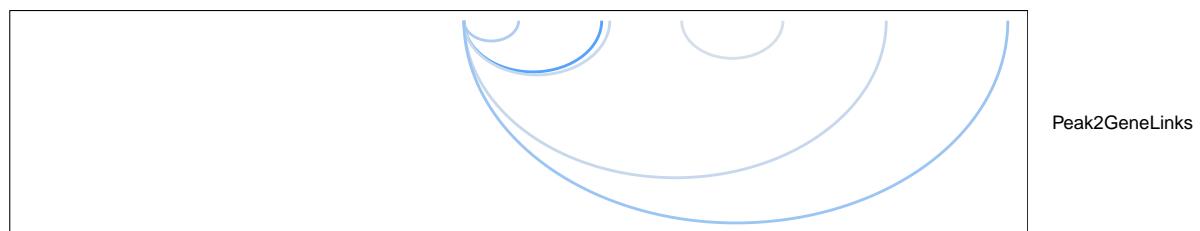
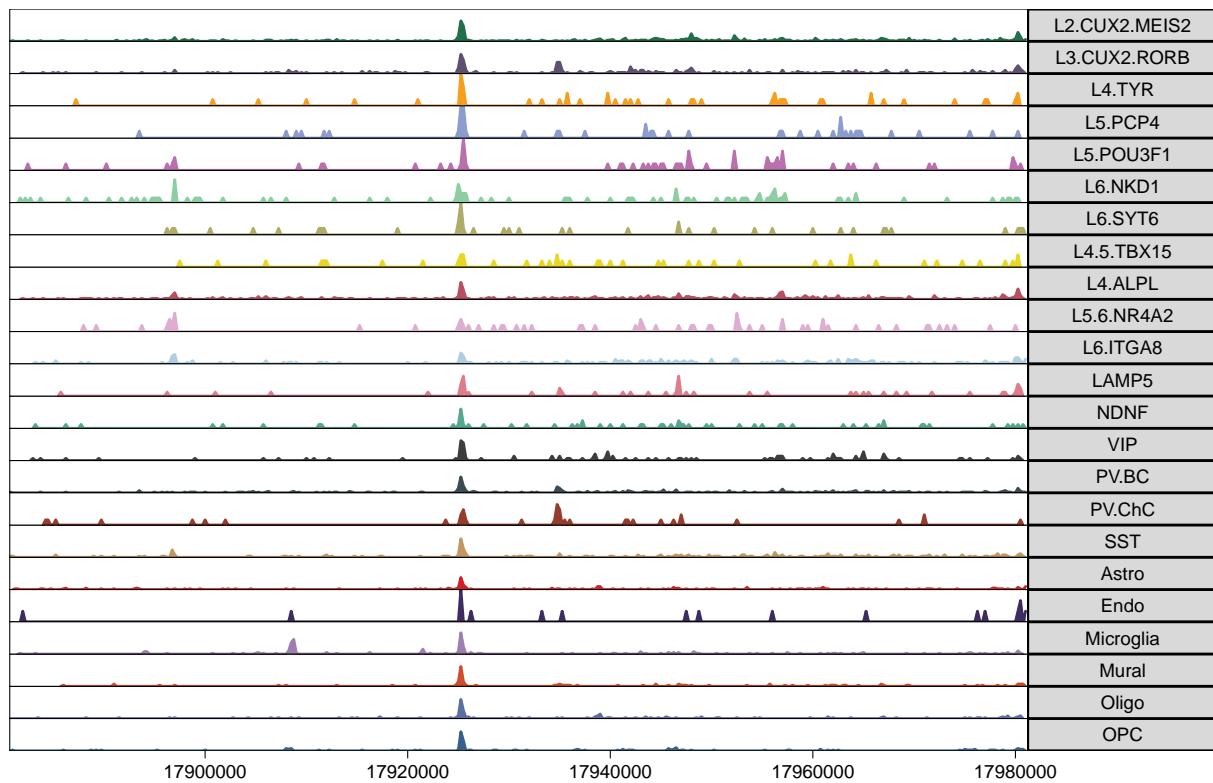
Genes

DPP6

PAXIP1-AS2

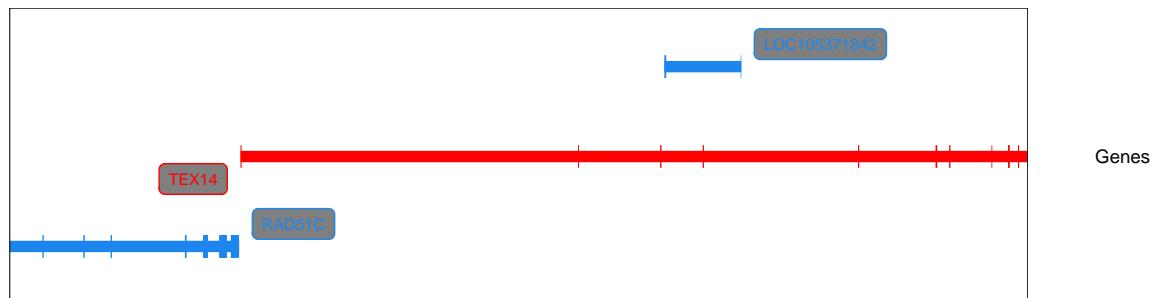
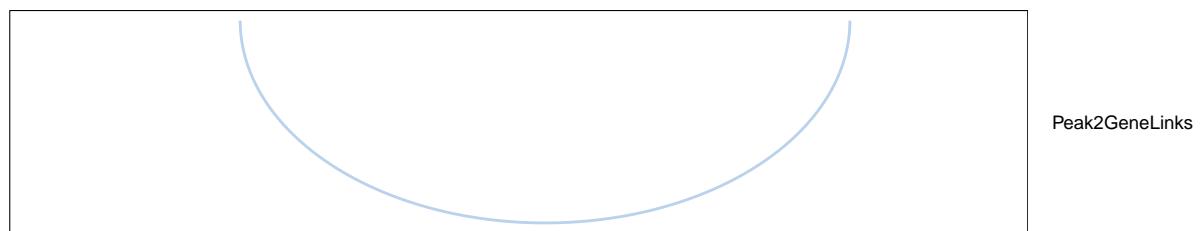
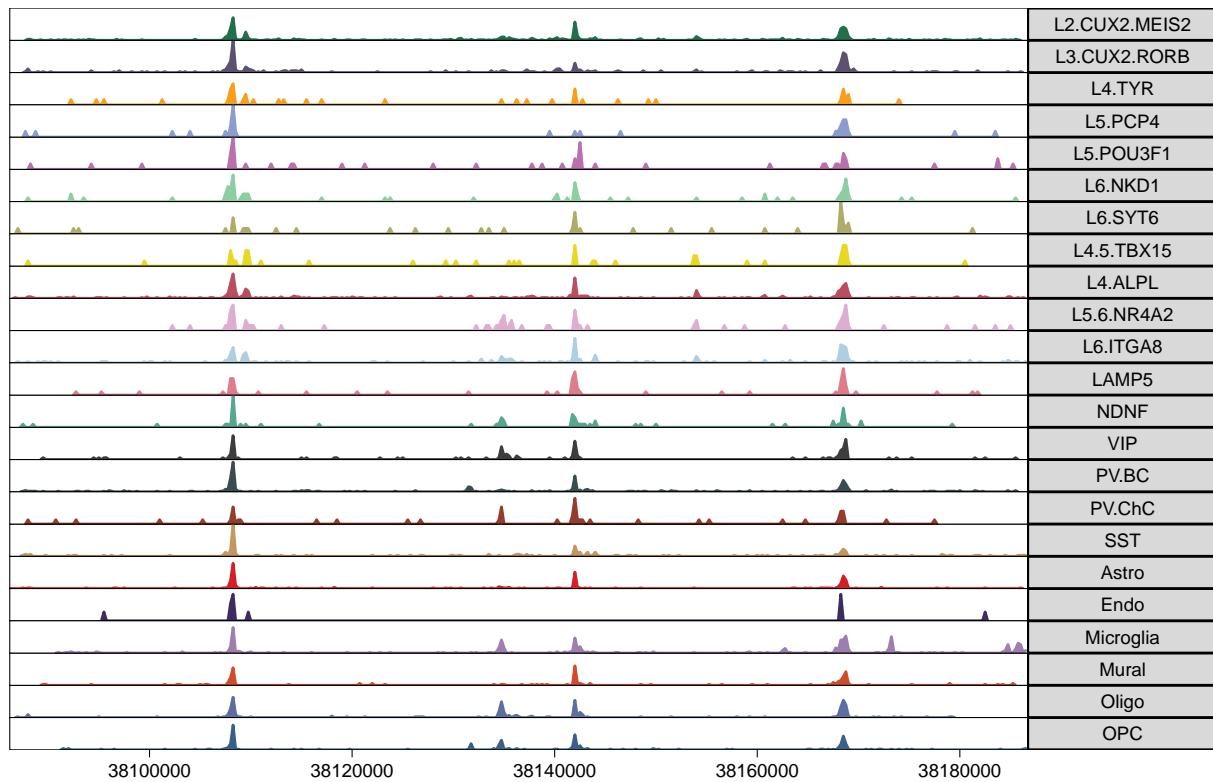
chr16:17880711–17981212 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.19) by ReadsInTSS)

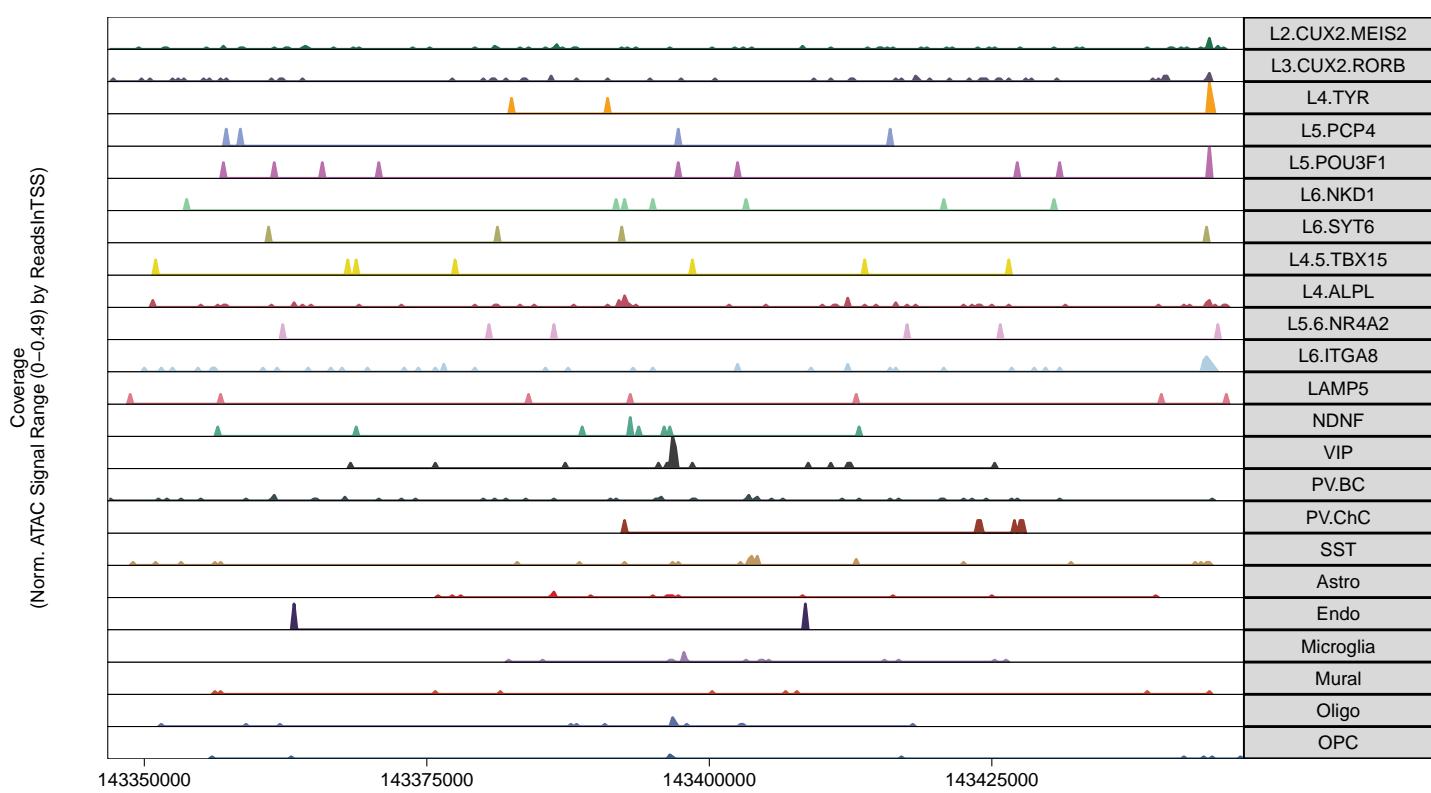


chr16:38086201–38186702 Marker Peak Tracks for: VIP

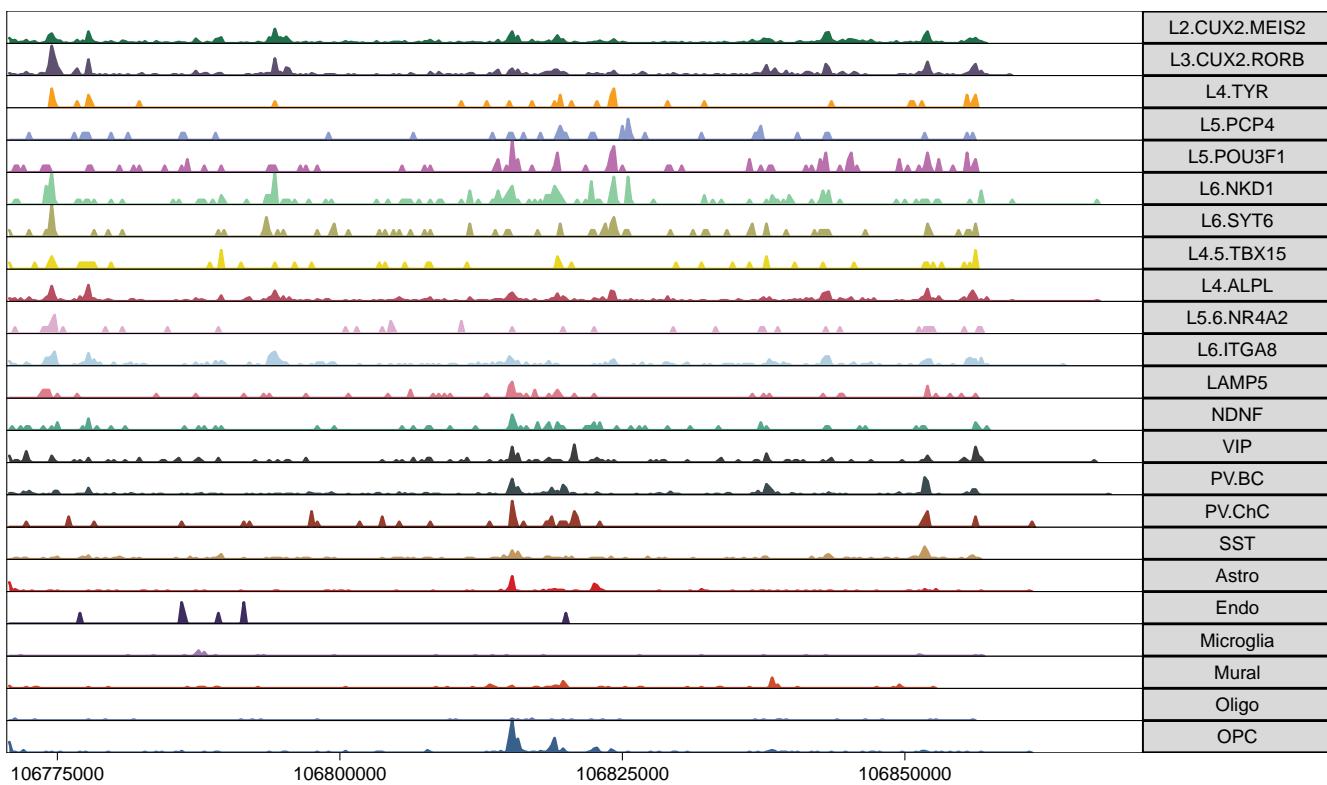
Coverage
(Norm. ATAC Signal Range (0–1.43) by ReadsInTSS)



chrX:143346764–143447265 Marker Peak Tracks for: VIP



chr13:106770521–106871022 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.18) by ReadsInTSS)

VIP

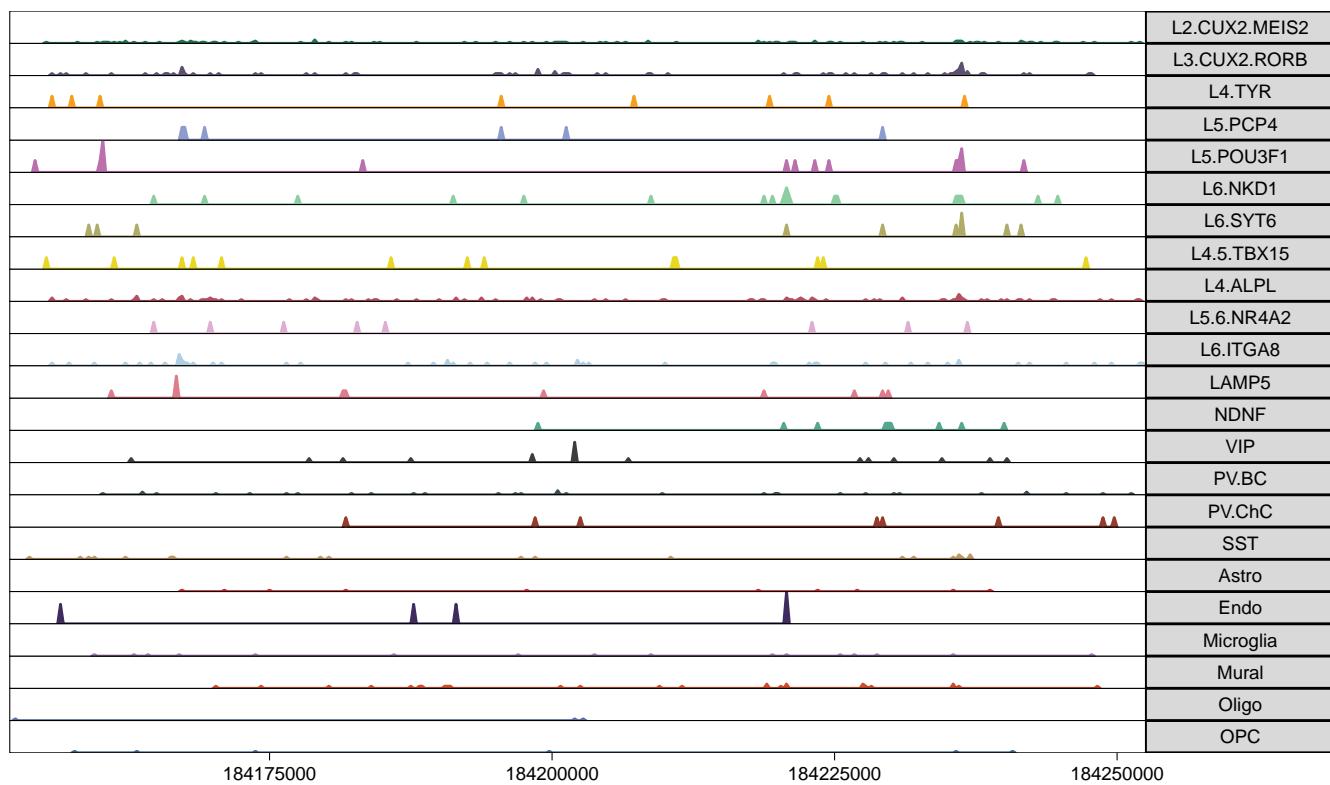
Peaks

LoopTrack

Genes

MYT1L

chr2:184152008–184252509 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.65) by ReadInTSS)

VIP

Peaks

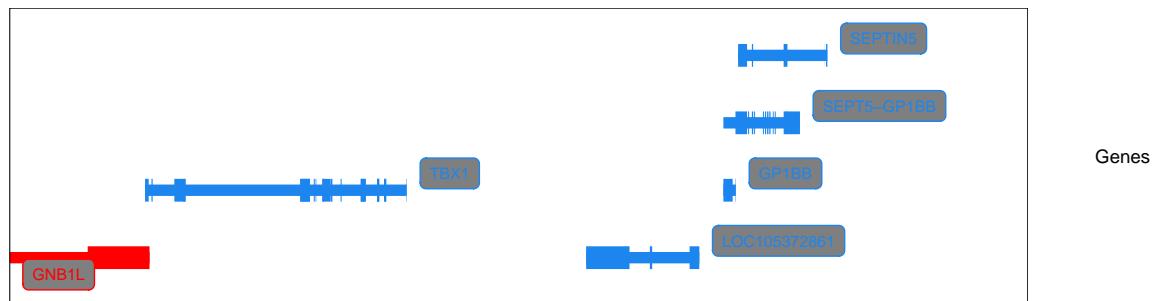
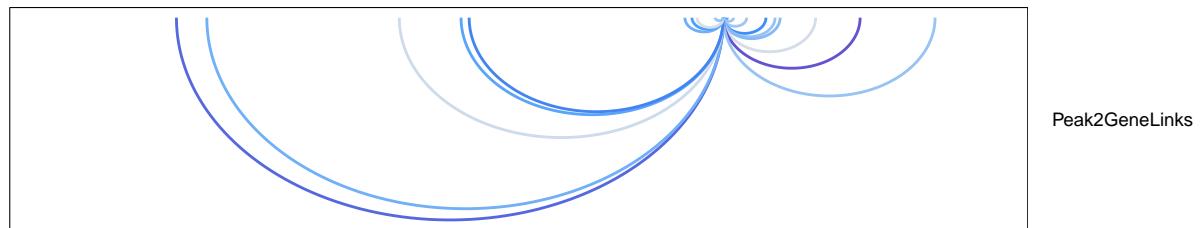
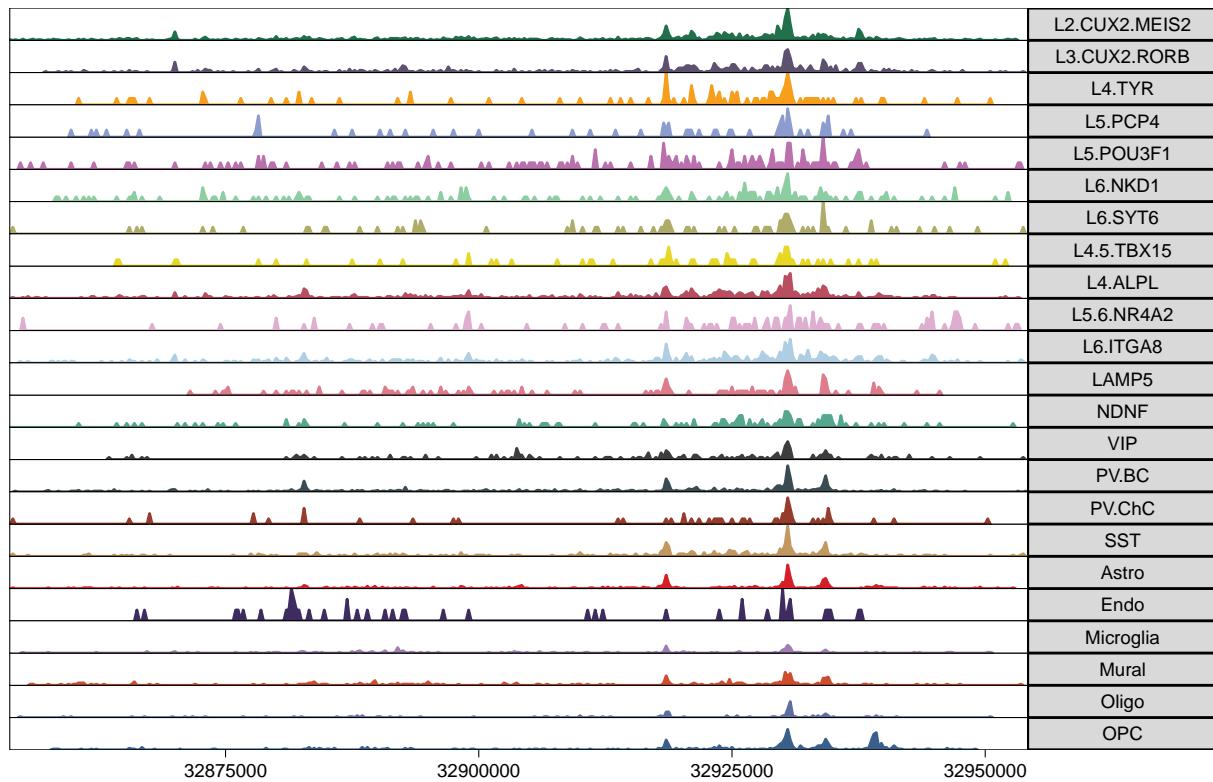
LoopTrack

HTR1F

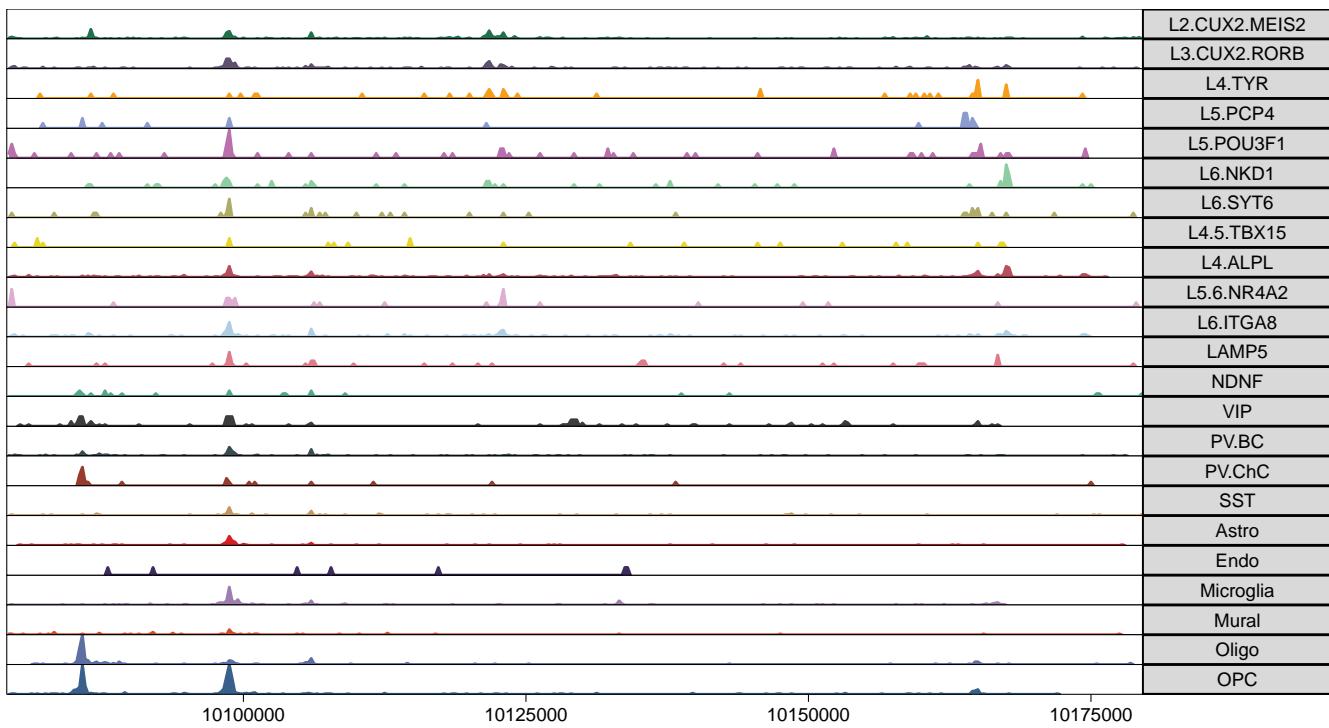
Genes

chr10:32853695–32954196 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.17) by ReadsInTSS)



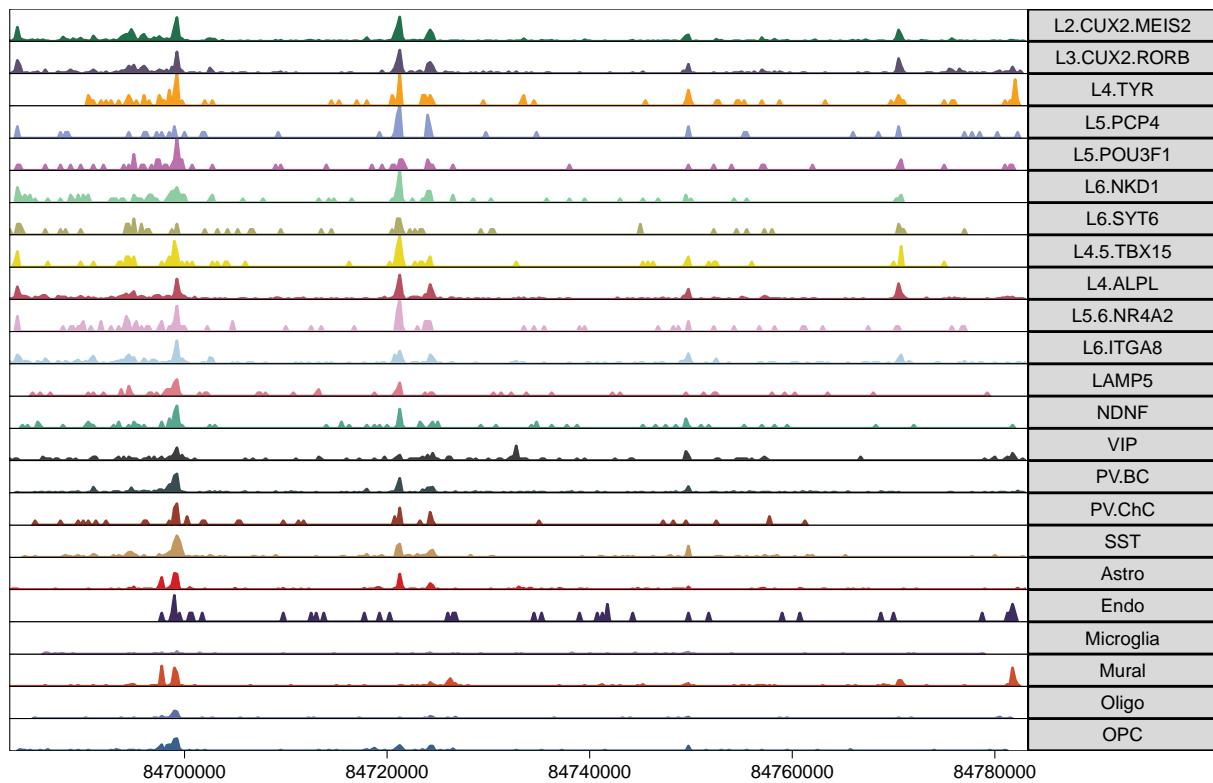
chr6:10079055–10179556 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.52) by ReadsIntSS)

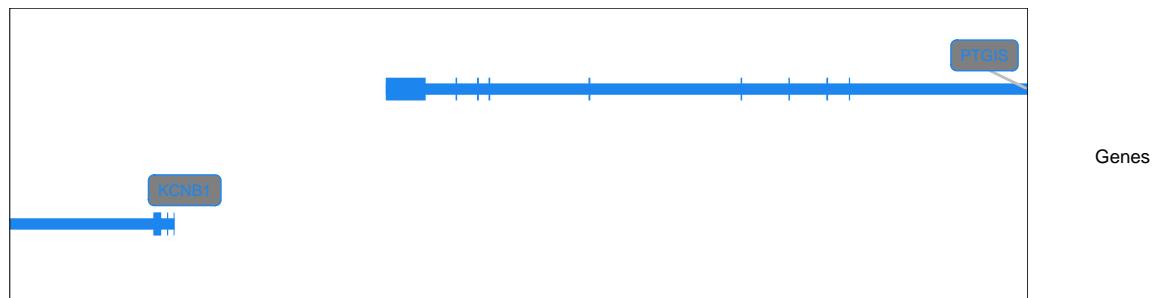
strand ● •

chr10:84682745–84783246 Marker Peak Tracks for: VIP

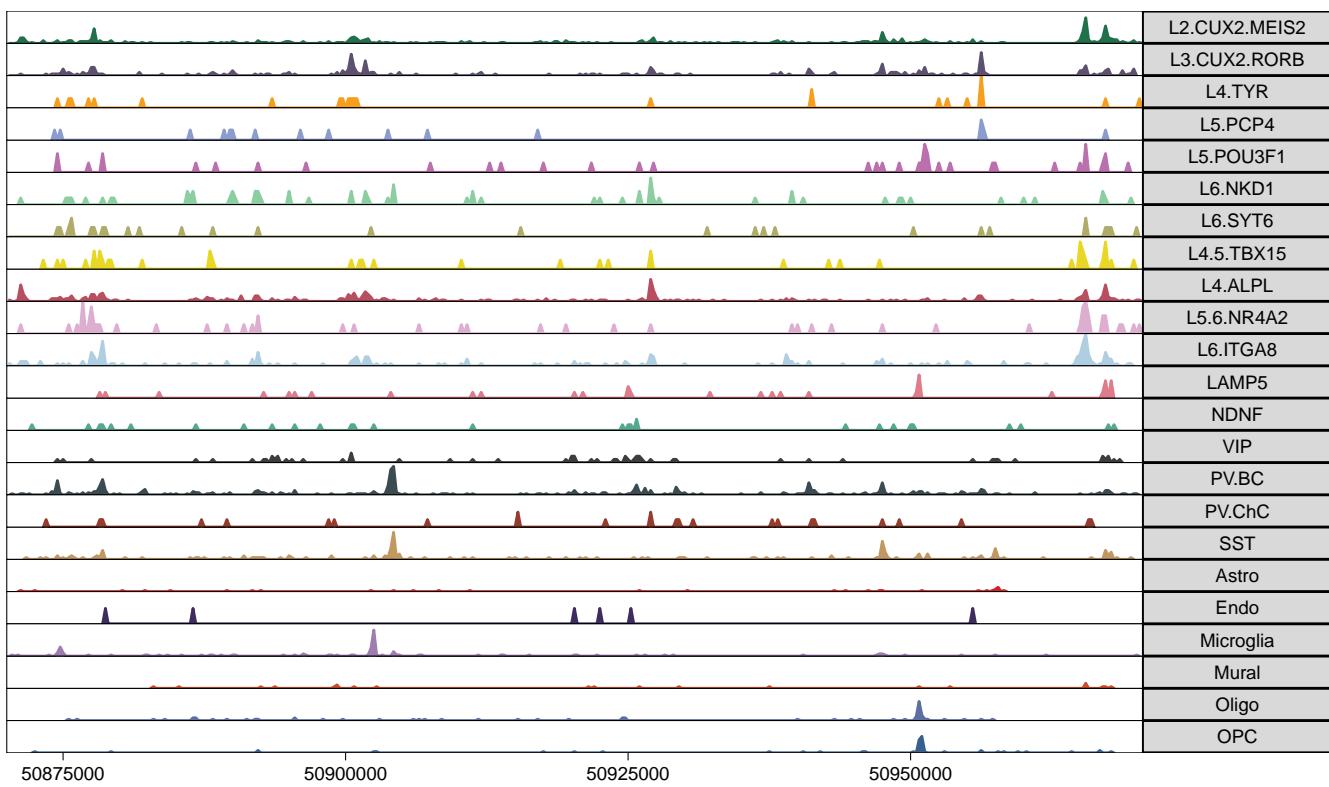
Coverage
(Norm. ATAC Signal Range (0–1.44) by ReadsInTSS)



84700000 84720000 84740000 84760000 84780000



chr10:50870016–50970517 Marker Peak Tracks for: VIP

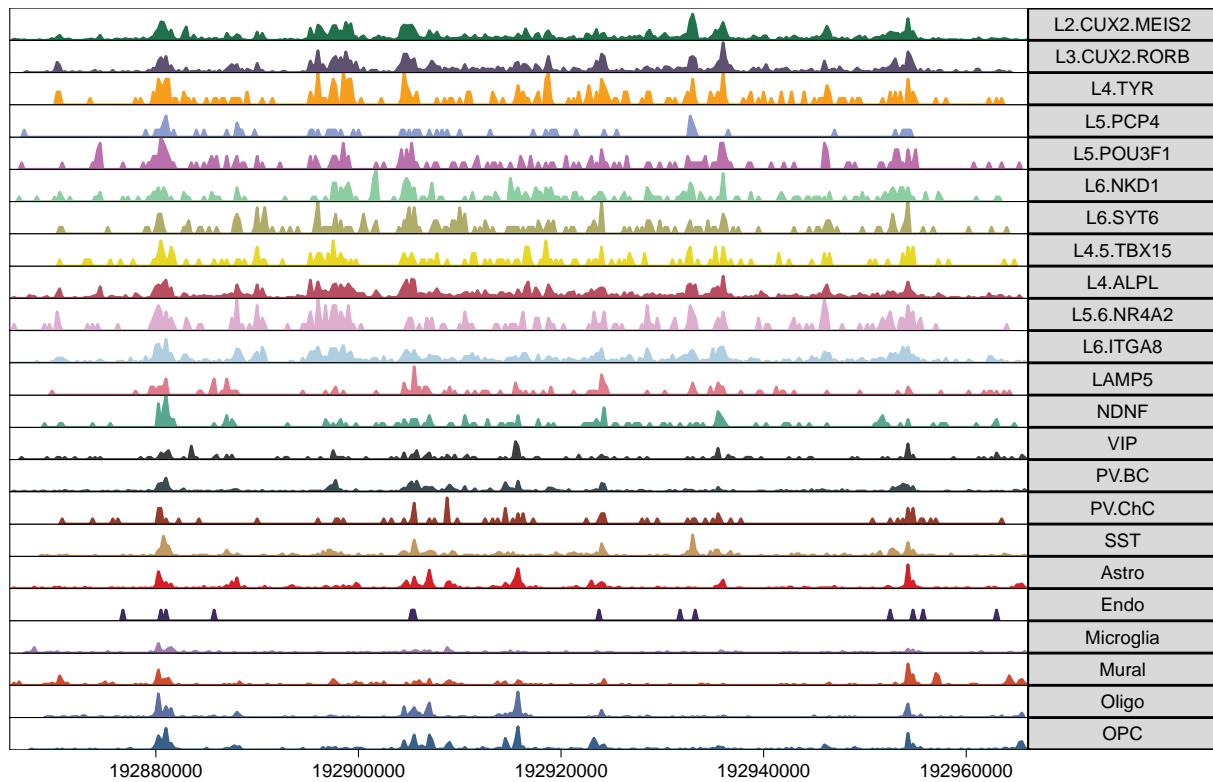
Coverage
(Norm. ATAC Signal Range (0–0.82) by ReadInTSS)

50875000 50900000 50925000 50950000



chr1:192865572–192966073 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0-1.17) by ReadsInTSS)

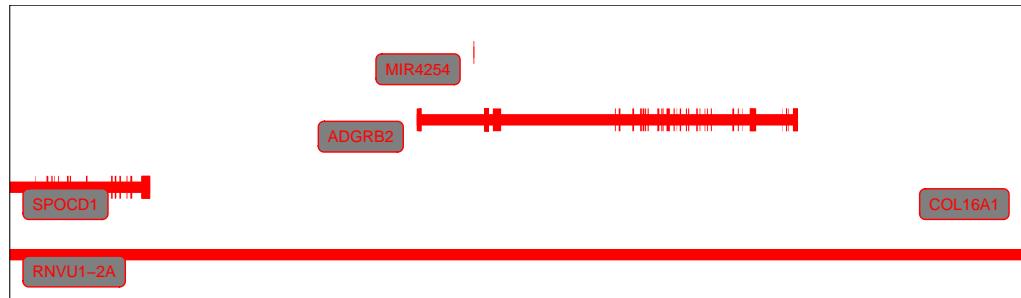
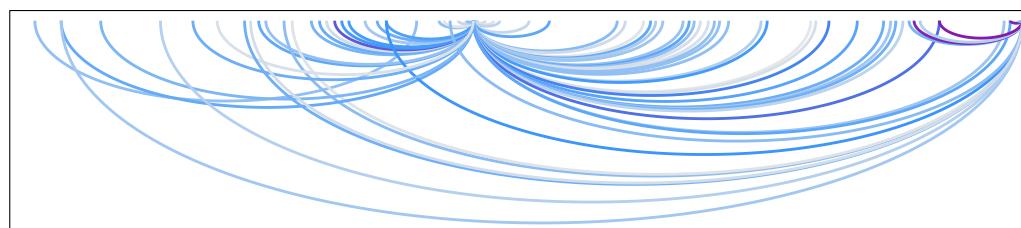


192880000 192900000 192920000 192940000 192960000

VIP - Peaks



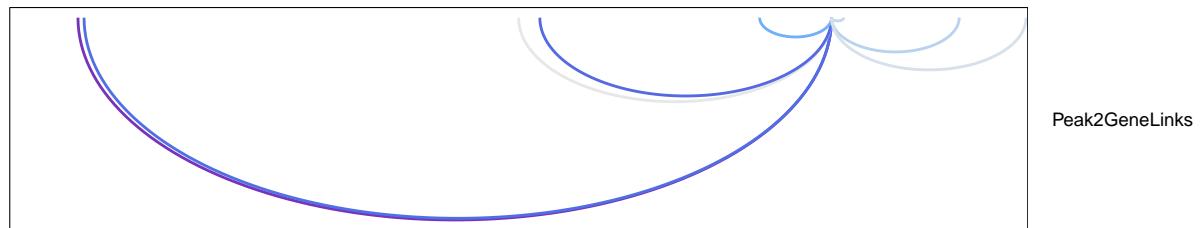
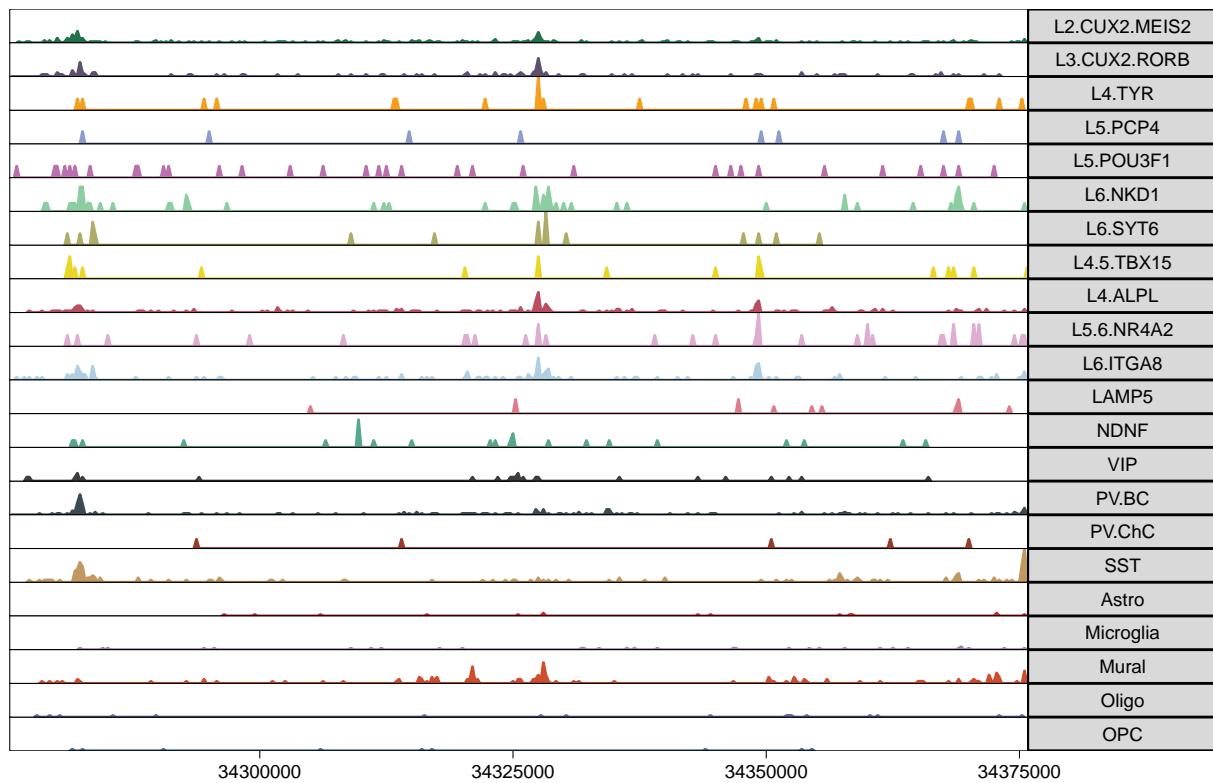
Peak2GeneLinks



Genes

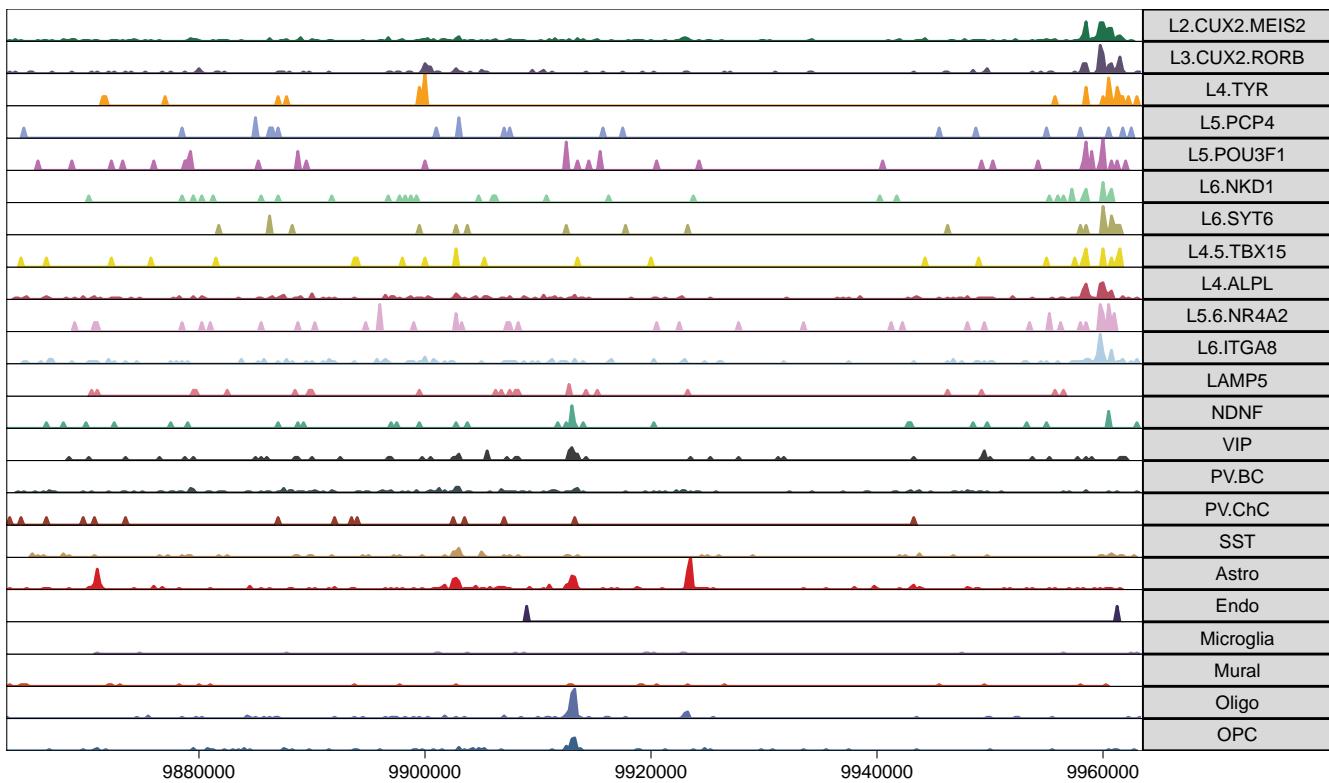
chr7:34275315–34375816 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0-0.7) by ReadshTSS)



chr12:9862989–9963490 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.81) by ReadsInTSS)



VIP

Peaks

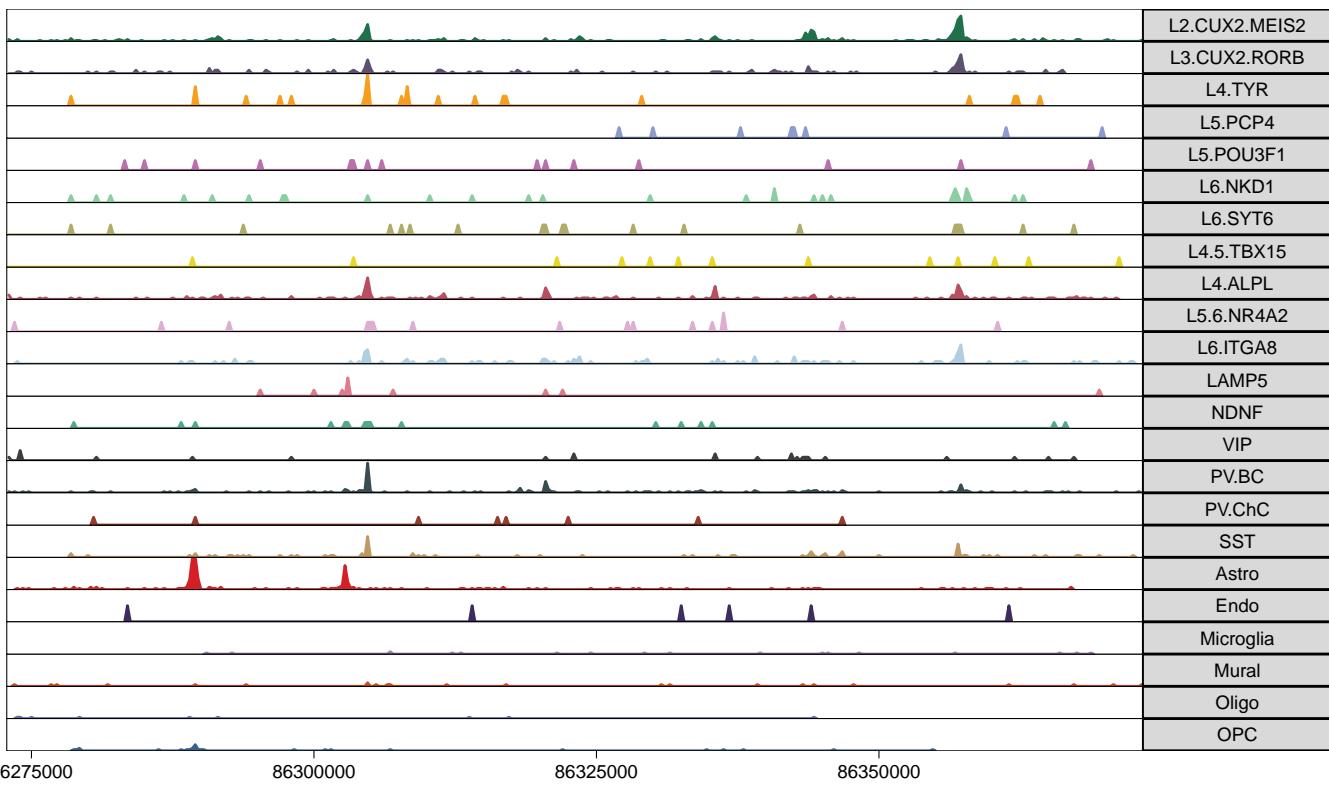
LoopTrack

TFCP2L1

LOC105373586

Genes

chr9:86272815–86373316 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.78) by ReadsInTSS)

86275000 86300000 86325000 86350000

VIP

Peaks

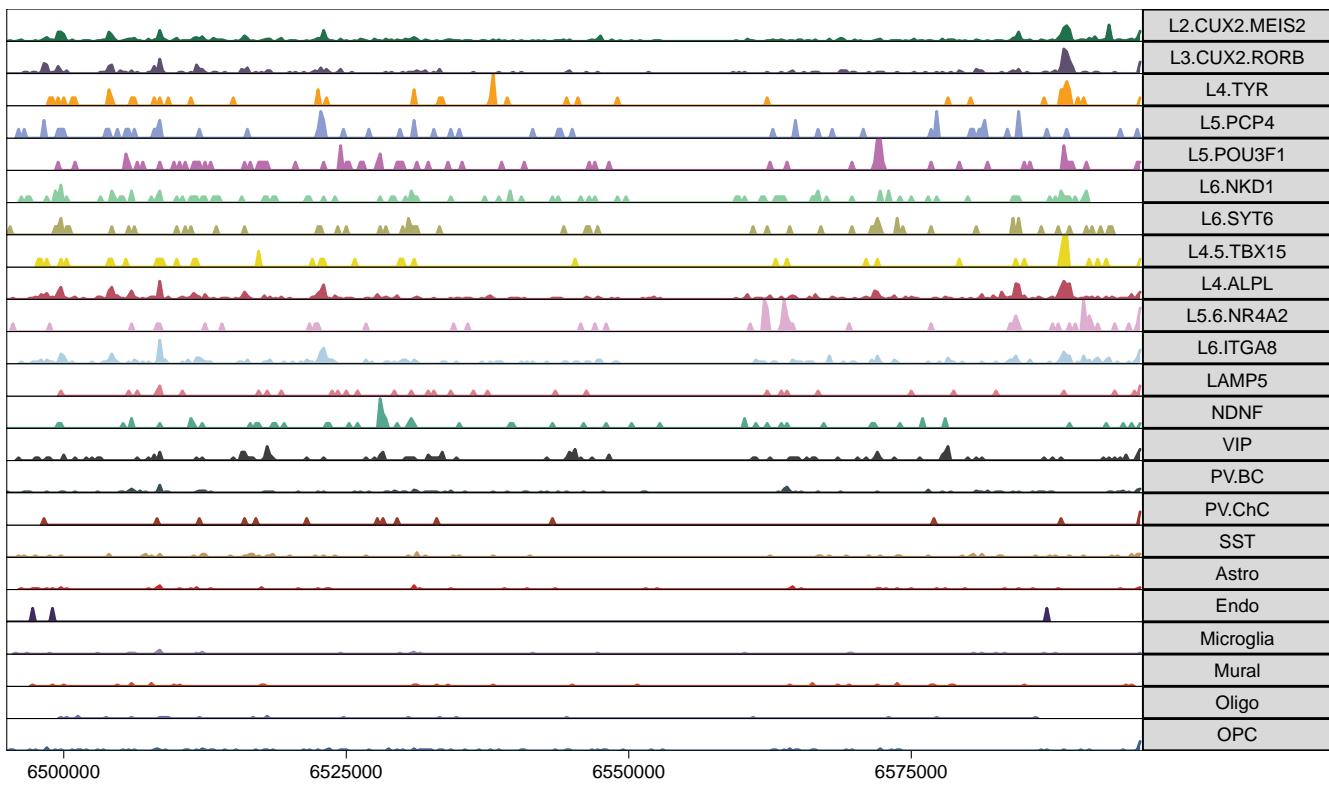
LoopTrack

PRKG1

Genes

chr3:6494955–6595456 Marker Peak Tracks for: VIP

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



VIP

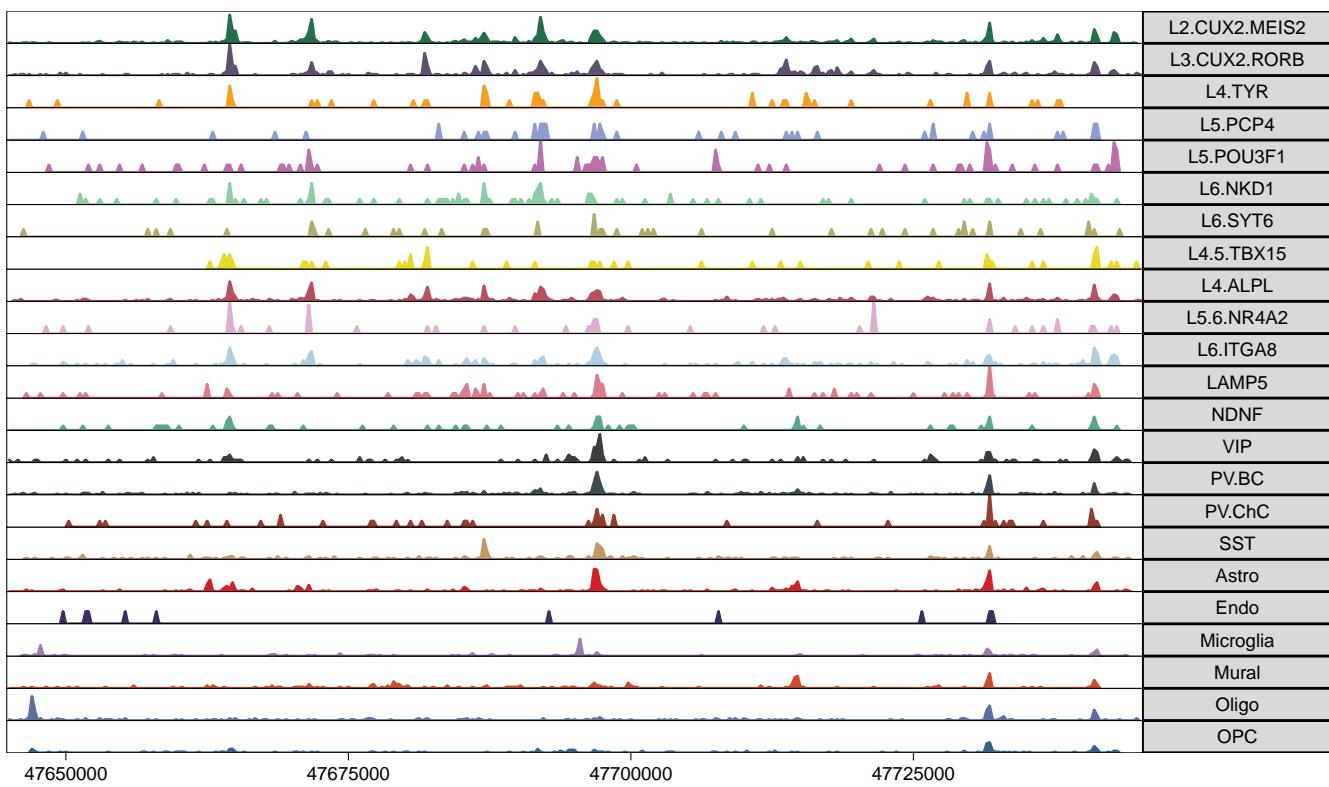
Peaks

LoopTrack

Genes

DSCAM

chr19:47644768–47745269 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.03) by ReadsInTSS)

L2.CUX2.MEIS2
L3.CUX2.RORB
L4.TYR
L5.PCP4
L5.POU3F1
L6.NKD1
L6.SYT6
L4.5.TBX15
L4.ALPL
L5.6.NR4A2
L6.ITGA8
LAMP5
NDNF
VIP
PV.BC
PV.ChC
SST
Astro
Endo
Microglia
Mural
Oligo
OPC

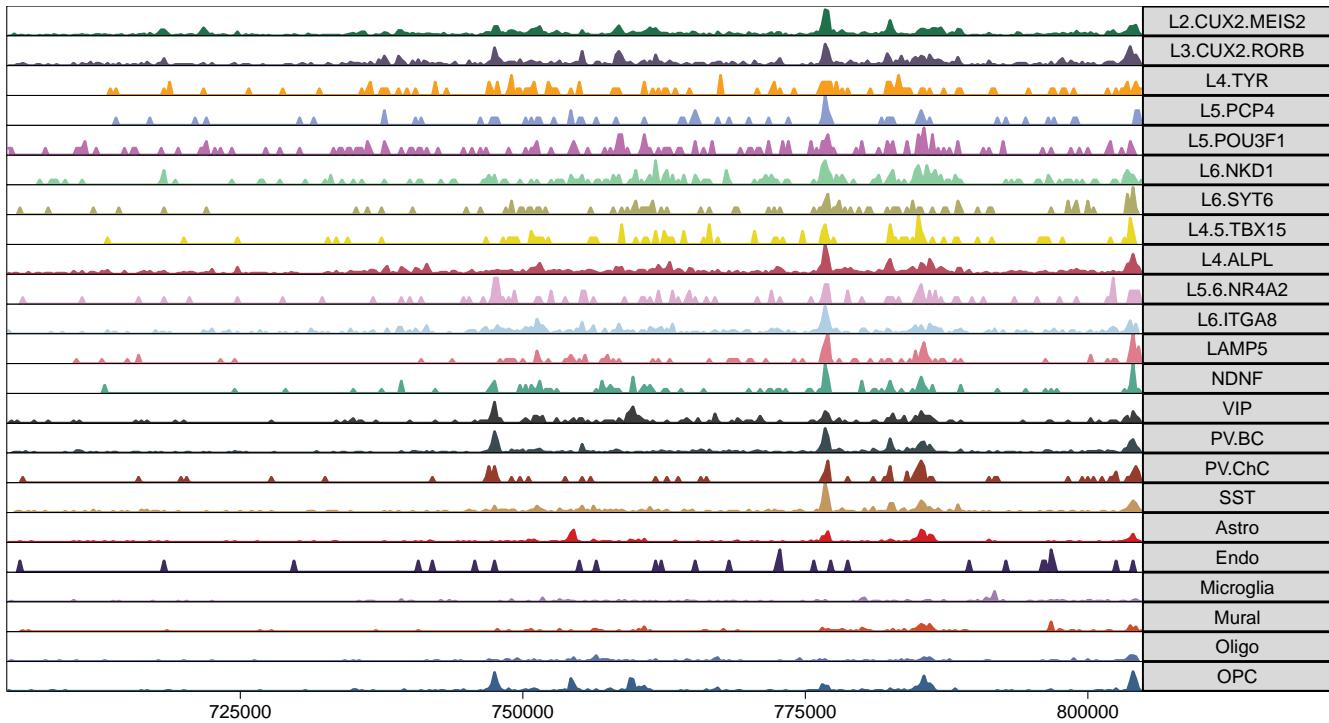
Peaks

LoopTrack

Genes

BICRA

chr10:704331–804832 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.04) by ReadstTSS)

VIP

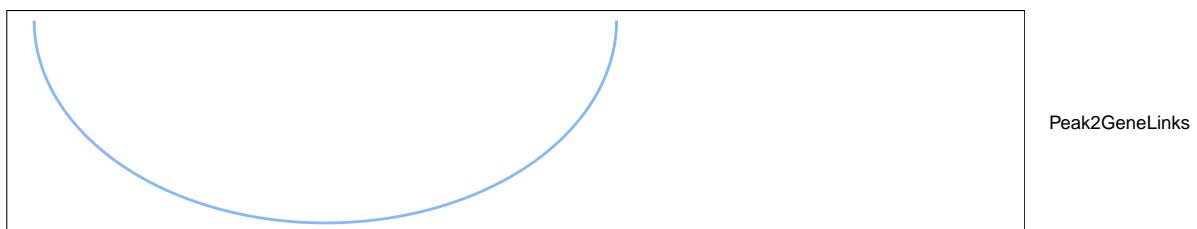
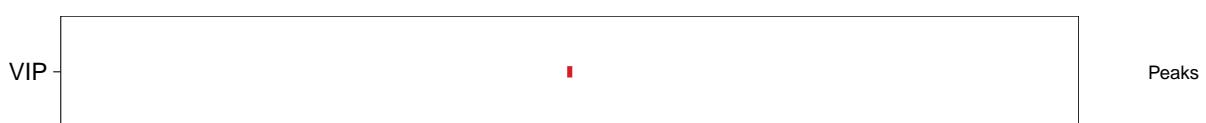
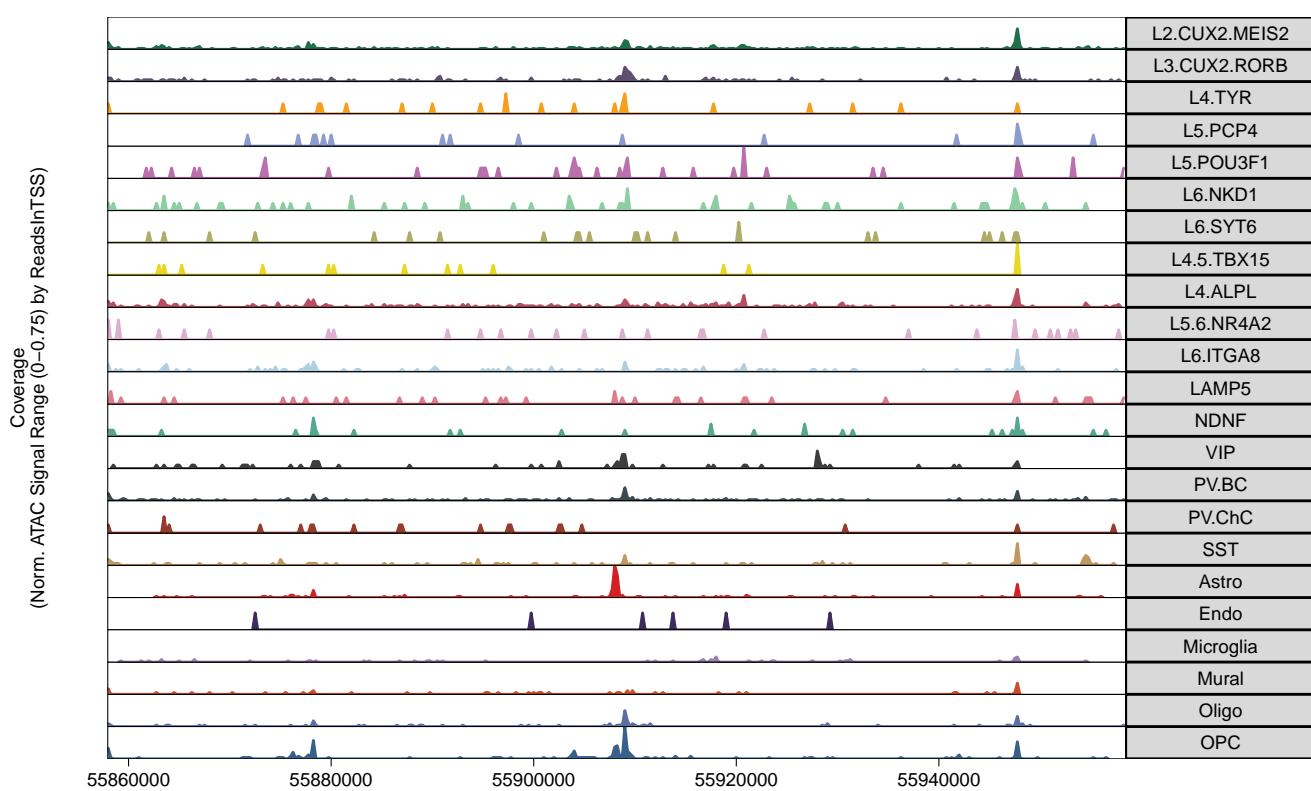
Peaks

LoopTrack

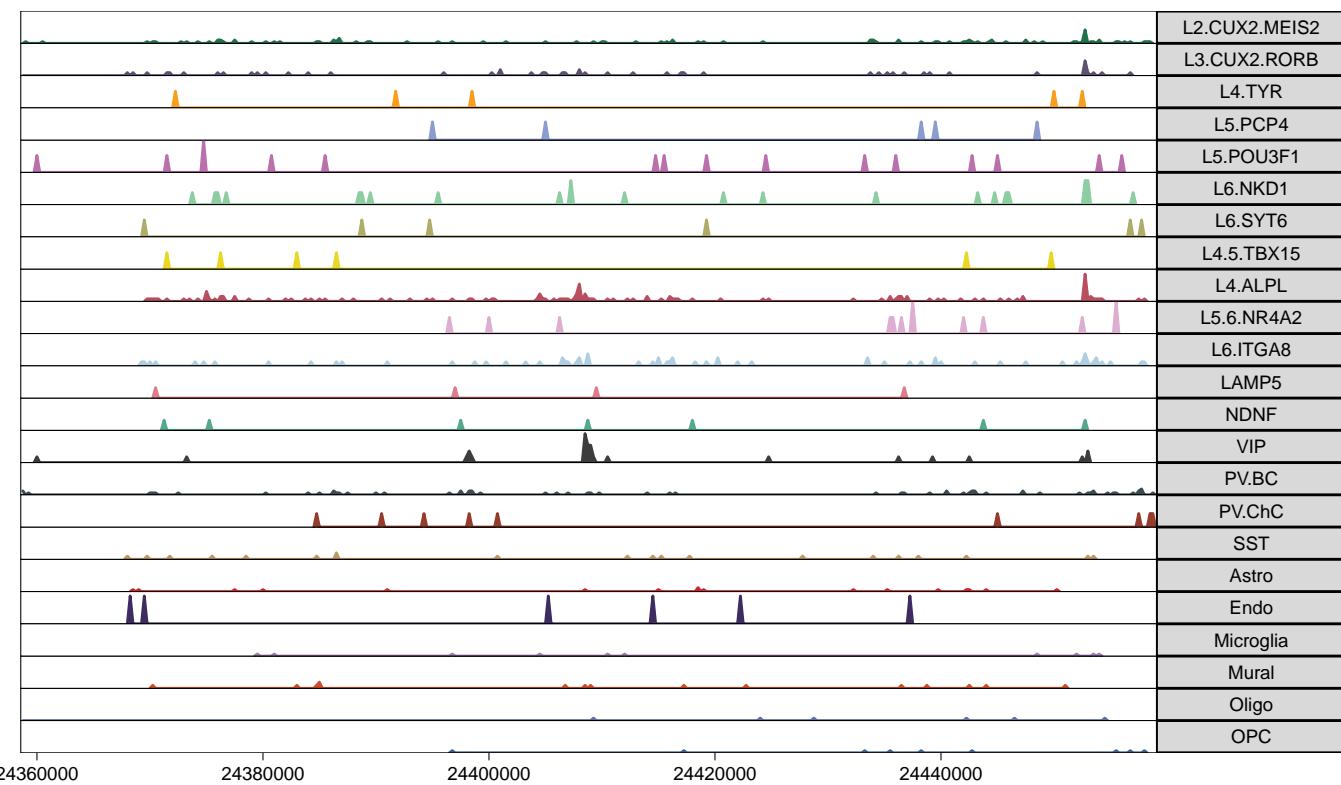
GeneTrack

strand ● •

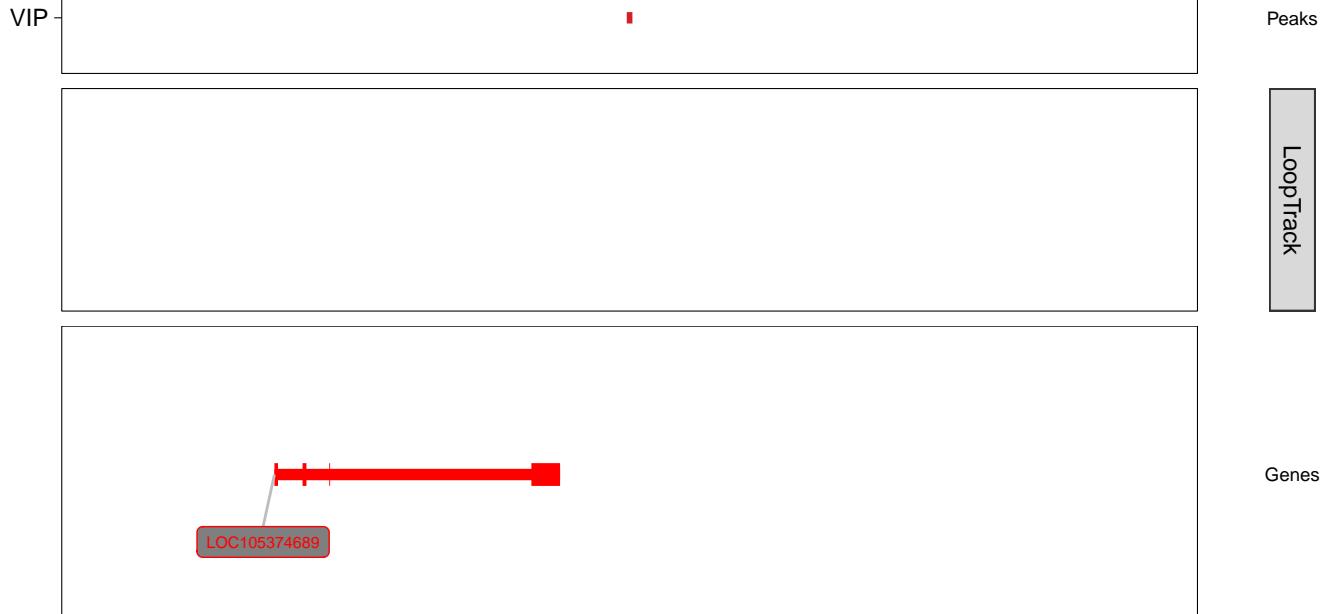
chr7:55857945–55958446 Marker Peak Tracks for: VIP



chr6:24358566–24459067 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.45) by ReadsInTSS)

24360000 24380000 24400000 24420000 24440000

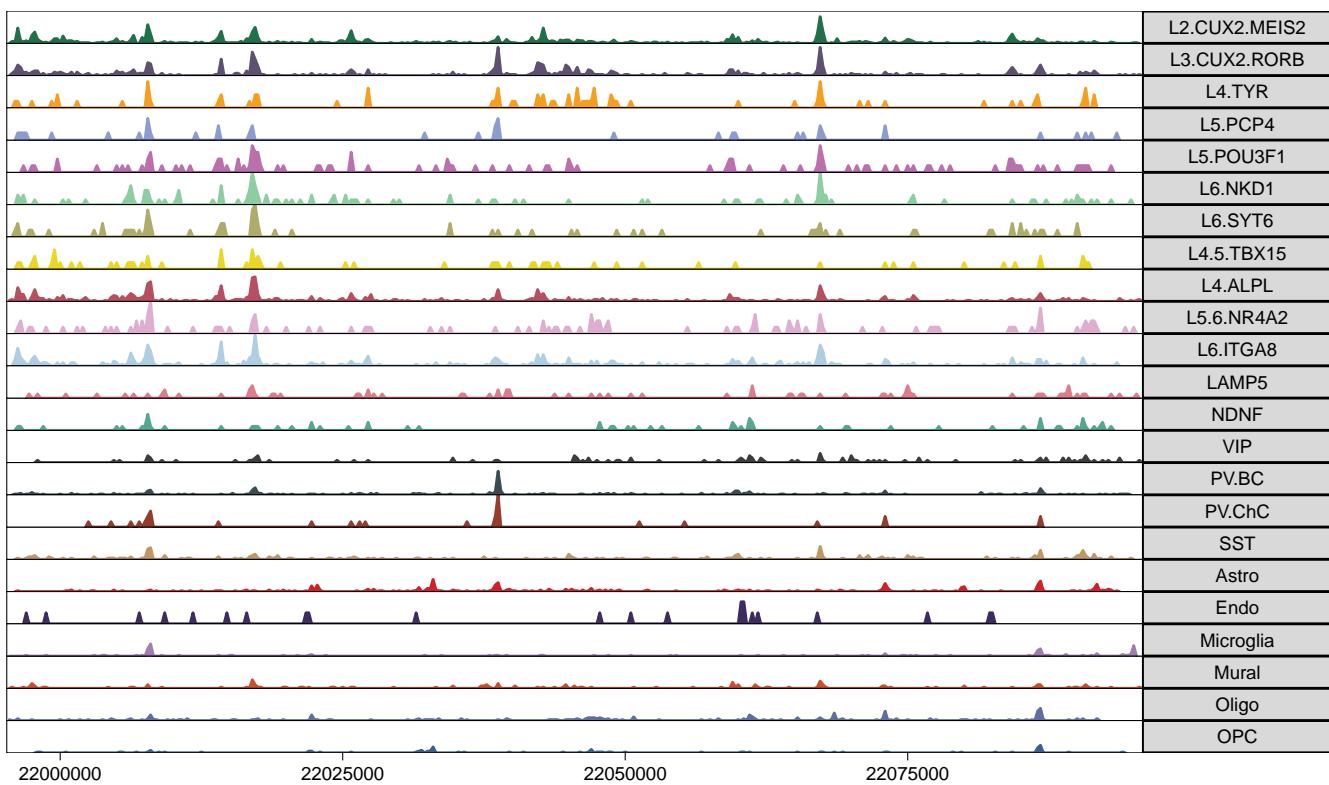


Genes

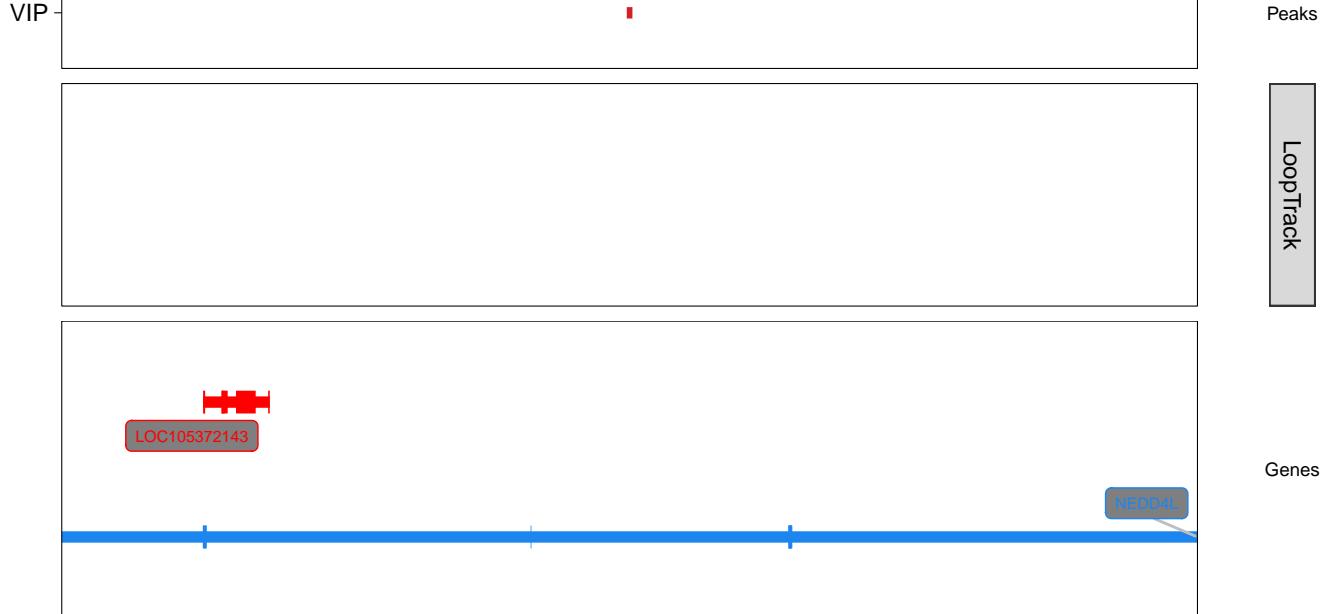
Peaks

LoopTrack

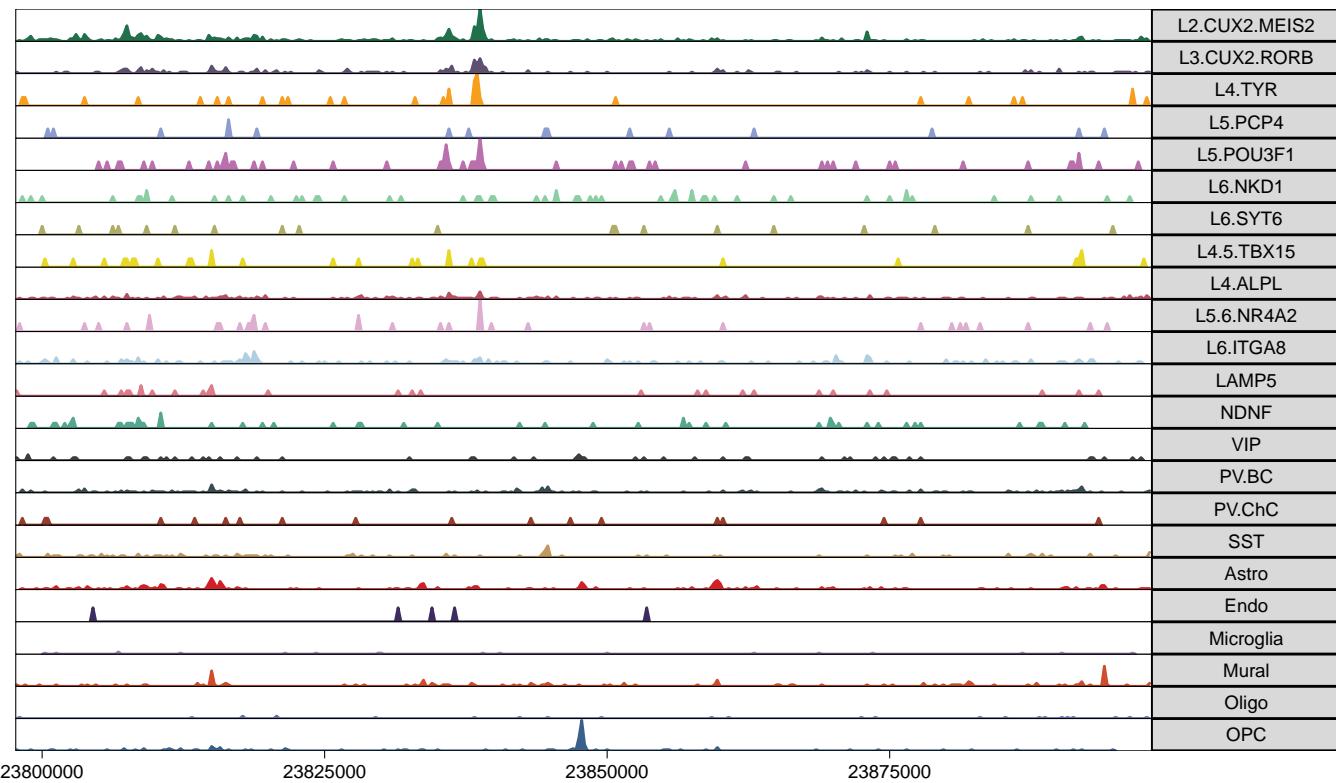
chr18:21995271–22095772 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.15) by ReadInTSS)

22000000 22025000 22050000 22075000



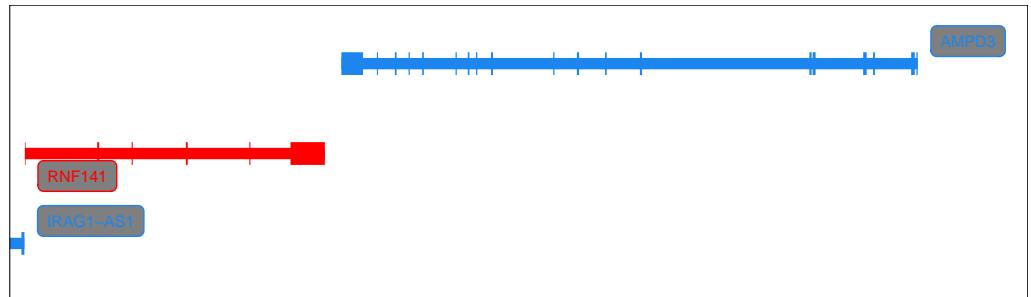
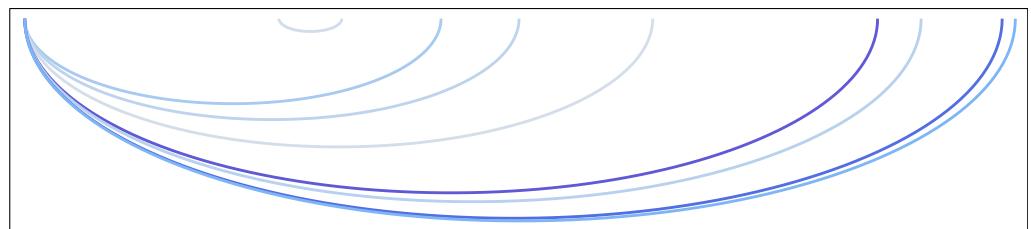
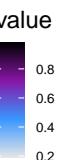
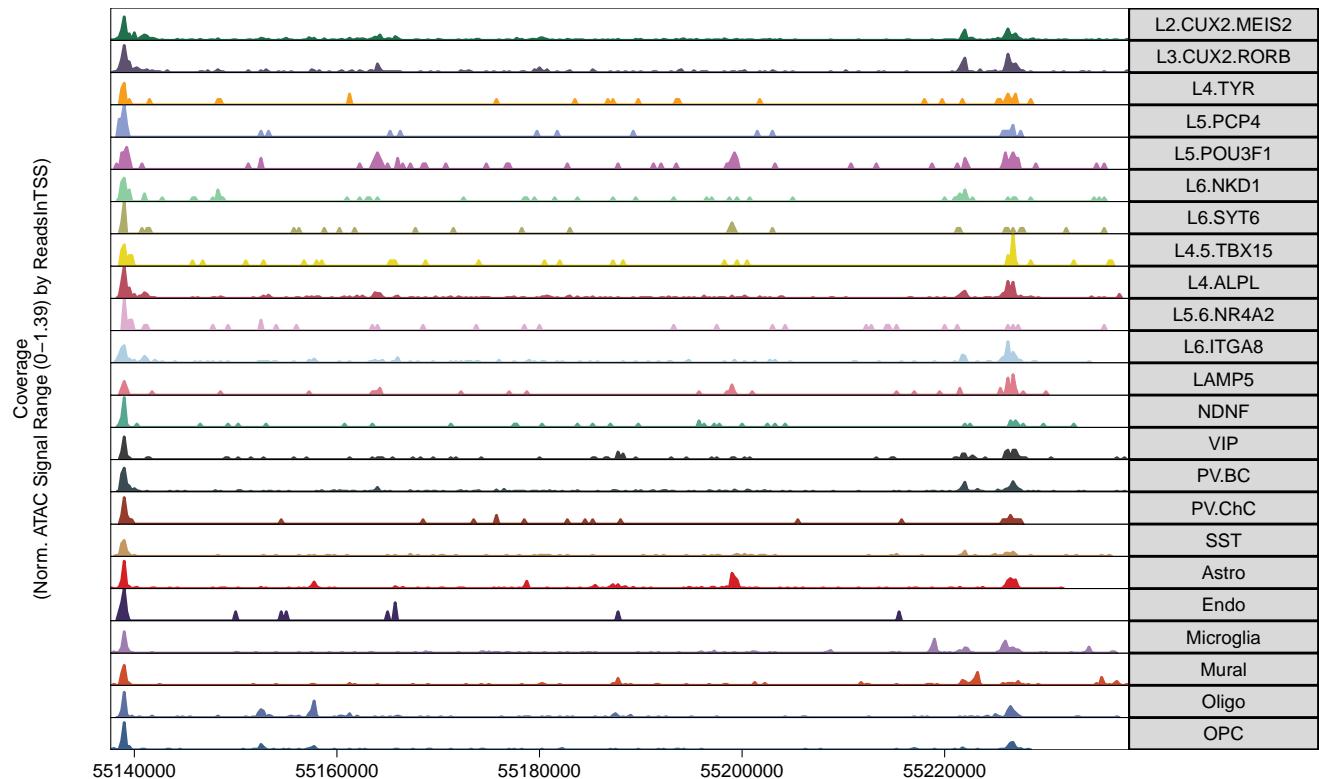
chr10:23797665–23898166 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0-0.9) by ReadInTSS)

23800000 23825000 23850000 23875000

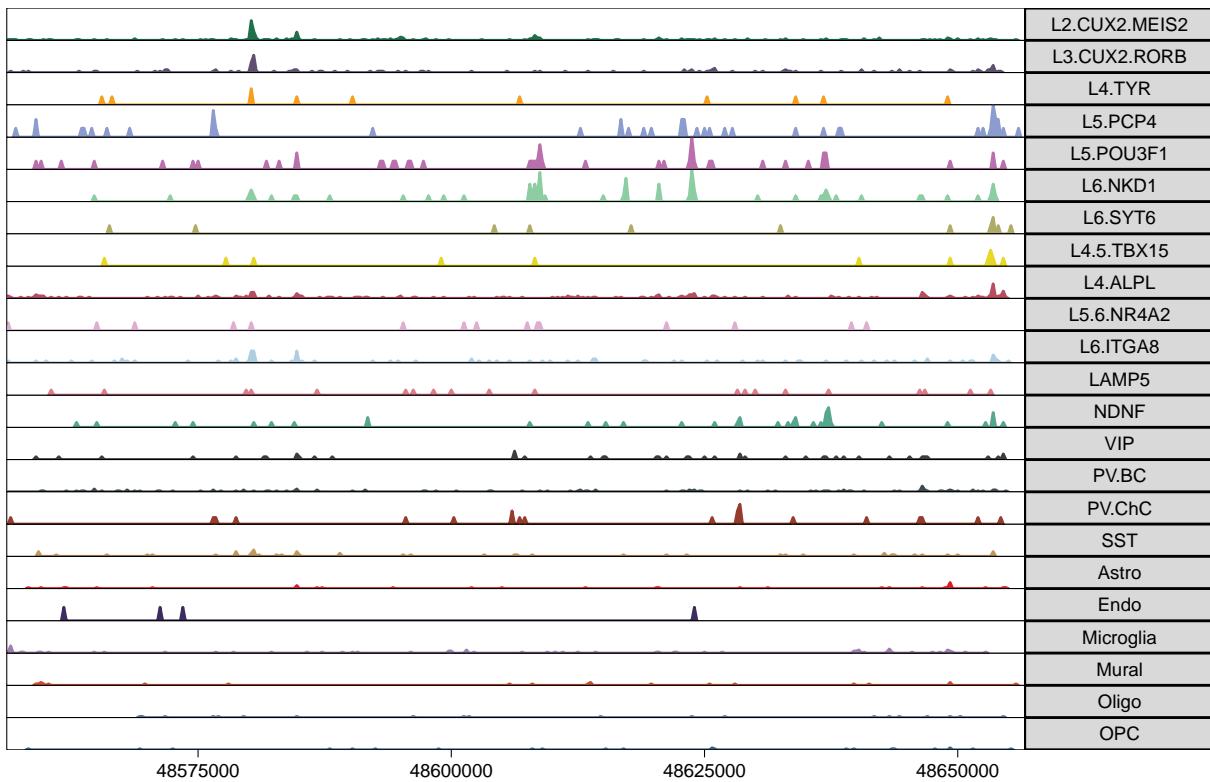


chr14:55137670–55238171 Marker Peak Tracks for: VIP

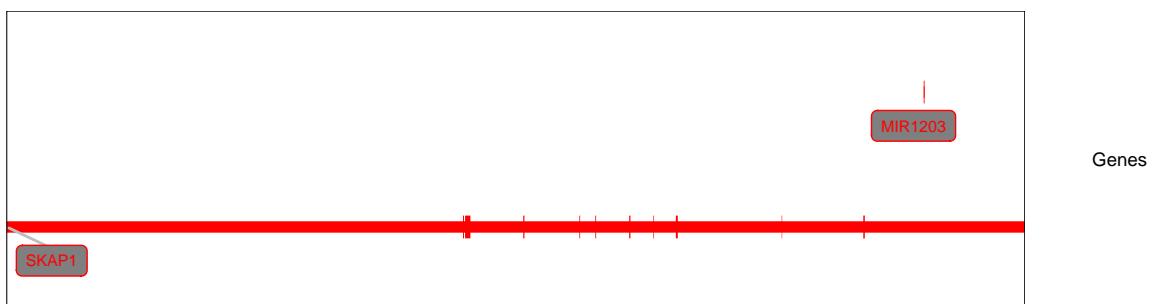
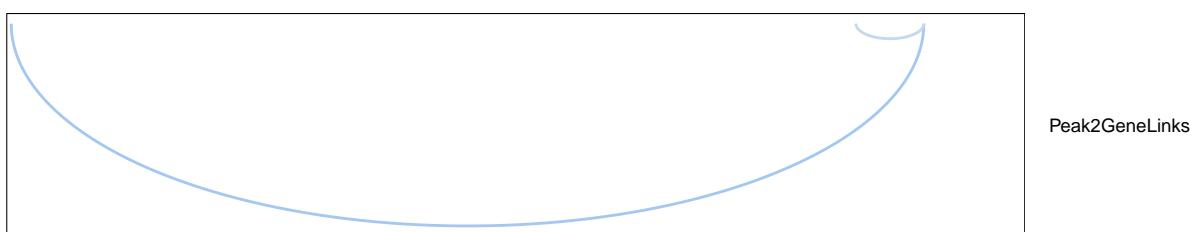


chr16:48556112–48656613 Marker Peak Tracks for: VIP

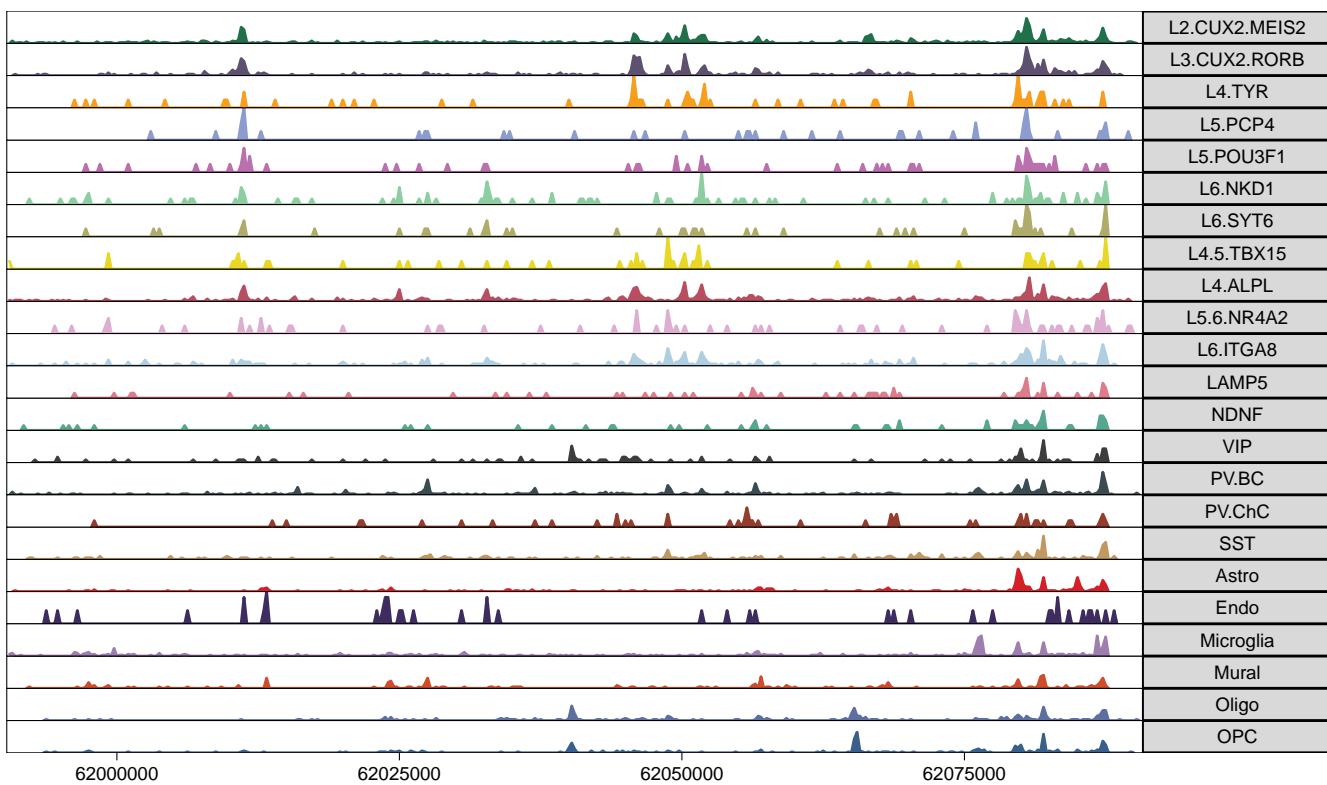
Coverage
(Norm. ATAC Signal Range (0–0.93) by ReadsInTSS)



48575000 48600000 48625000 48650000



chr20:61990253–62090754 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.95) by ReadInTSS)

VIP

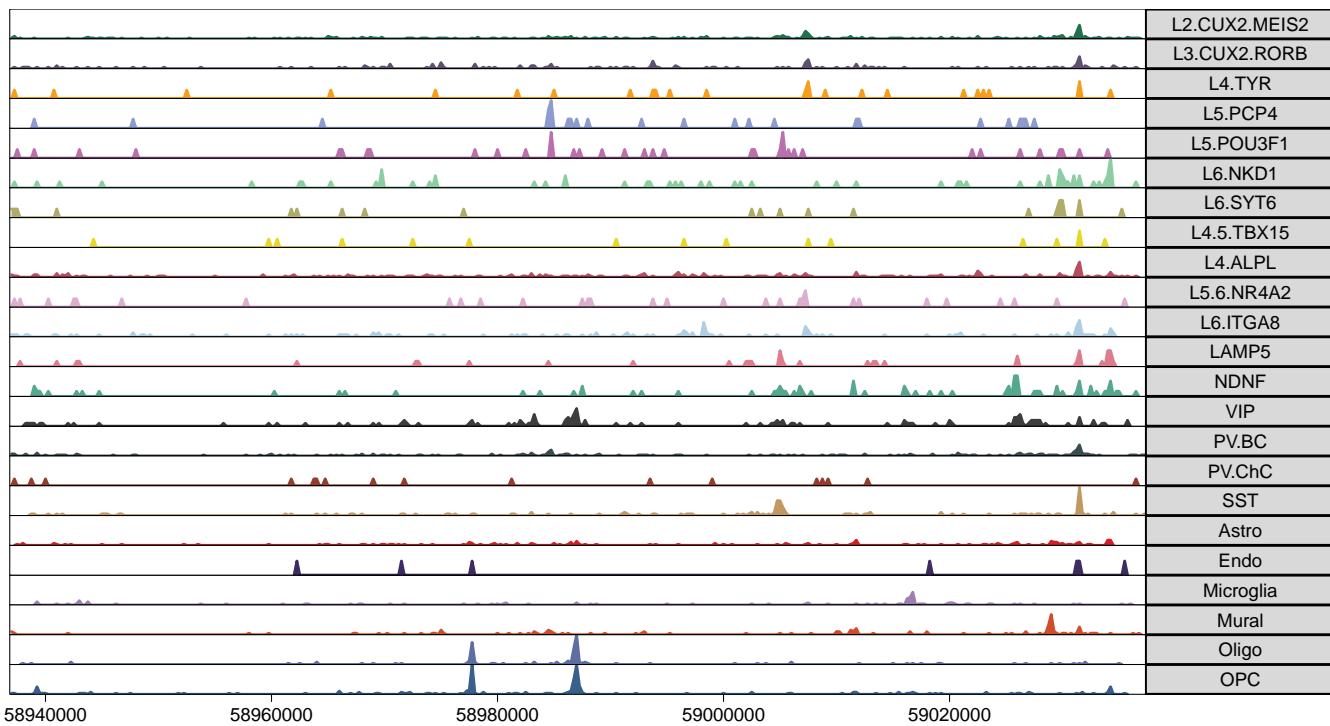
Peaks

LoopTrack

Genes



chr9:58936836–59037337 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.83) by ReadstTSS)

58940000 58960000 58980000 59000000 59020000

VIP

Peaks

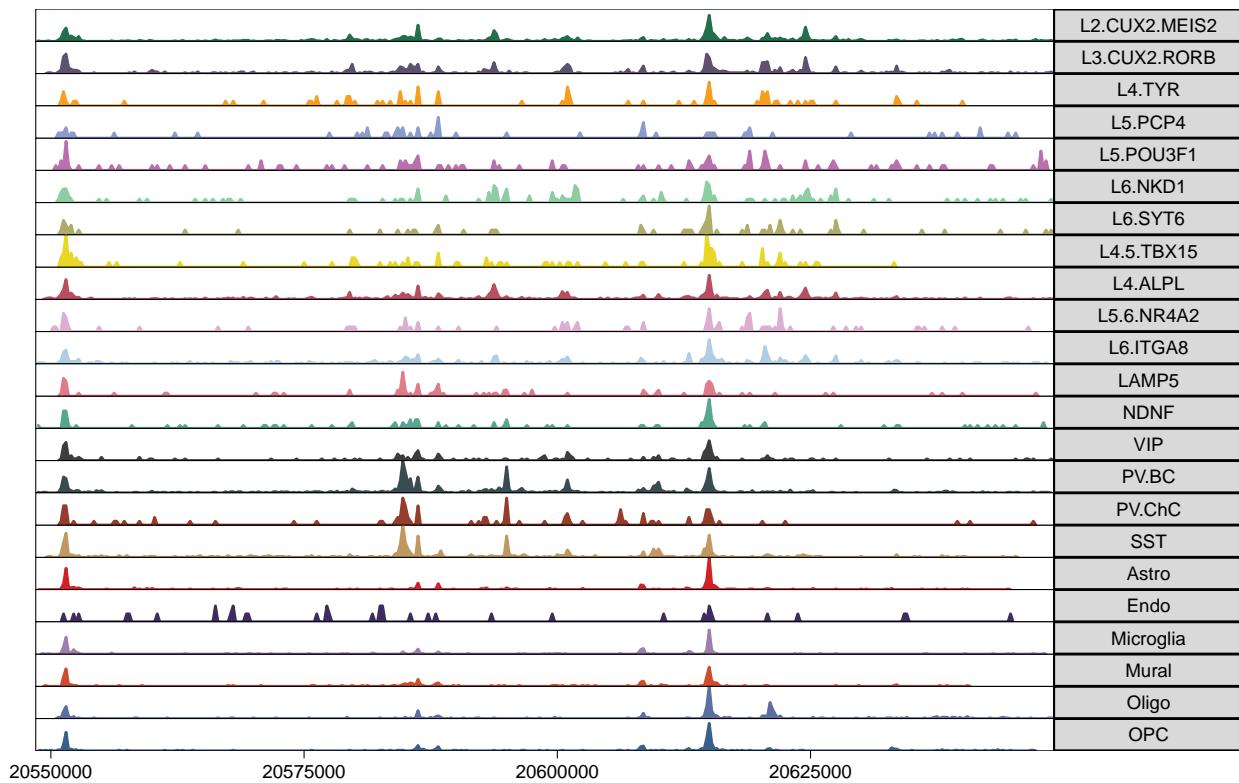
LoopTrack

GeneTrack

strand ● •

chr15:20548509–20649010 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.59) by ReadsInTSS)

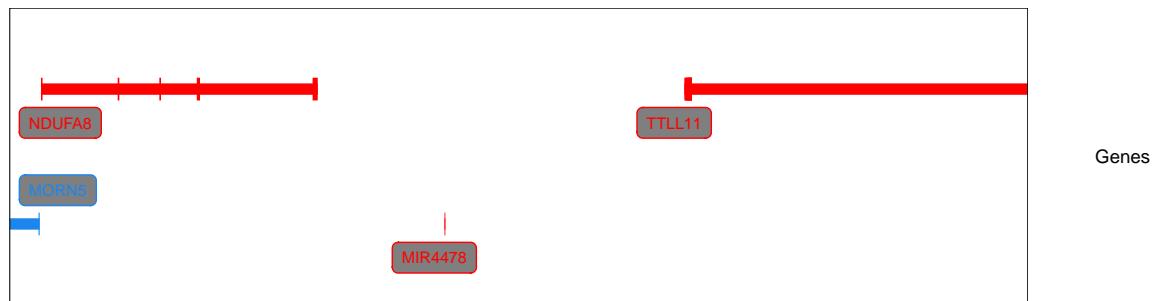
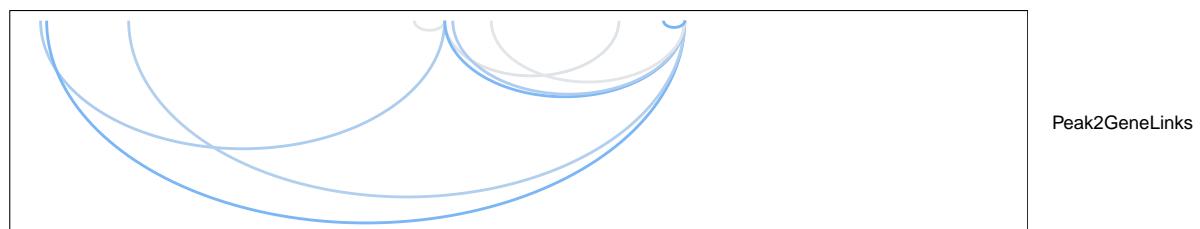


20550000 20575000 20600000 20625000



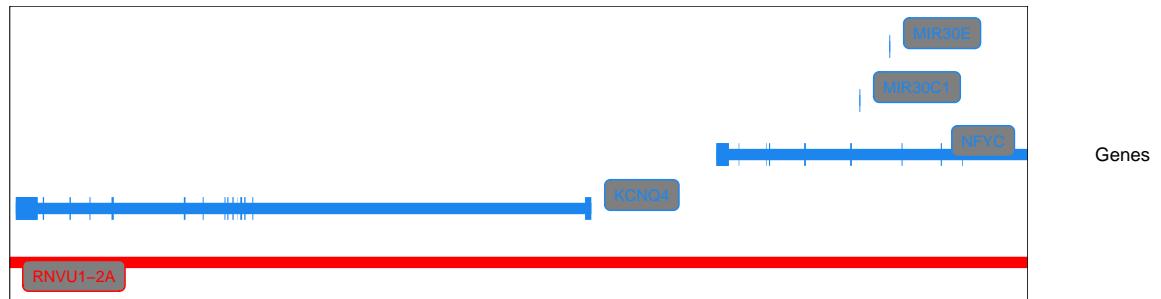
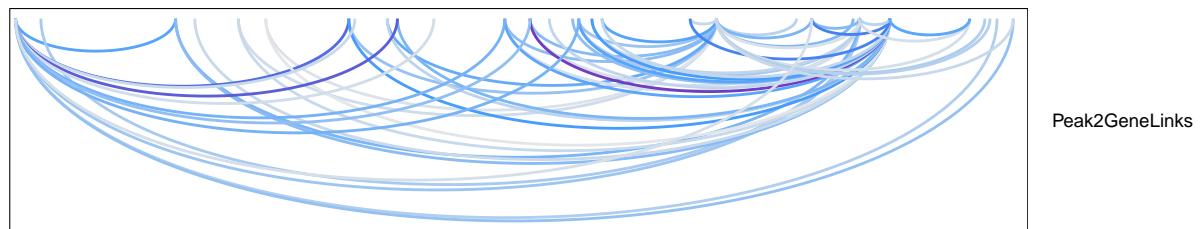
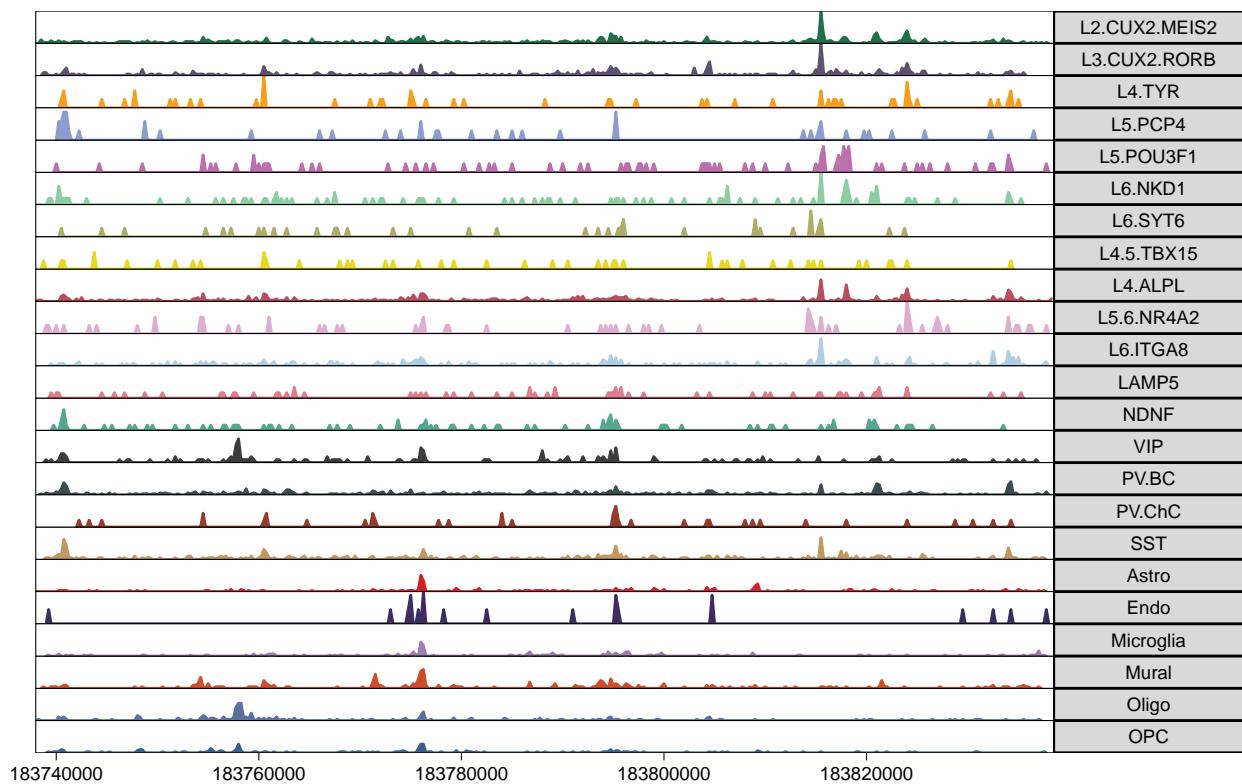
value

0.8
0.6
0.4
0.2



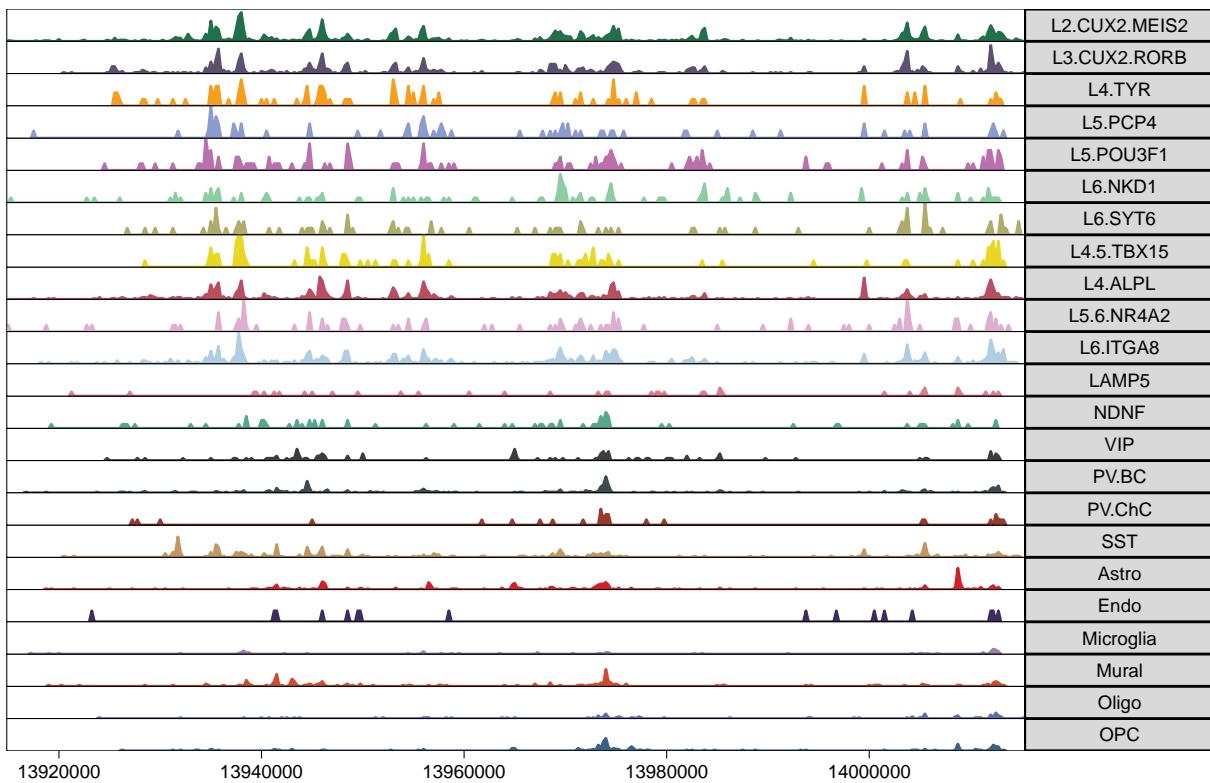
chr1:183737977–183838478 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.88) by ReadsInTSS)



chr4:13914848–14015349 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.15) by ReadsInTSS)



VIP

Peaks



Peak2GeneLinks

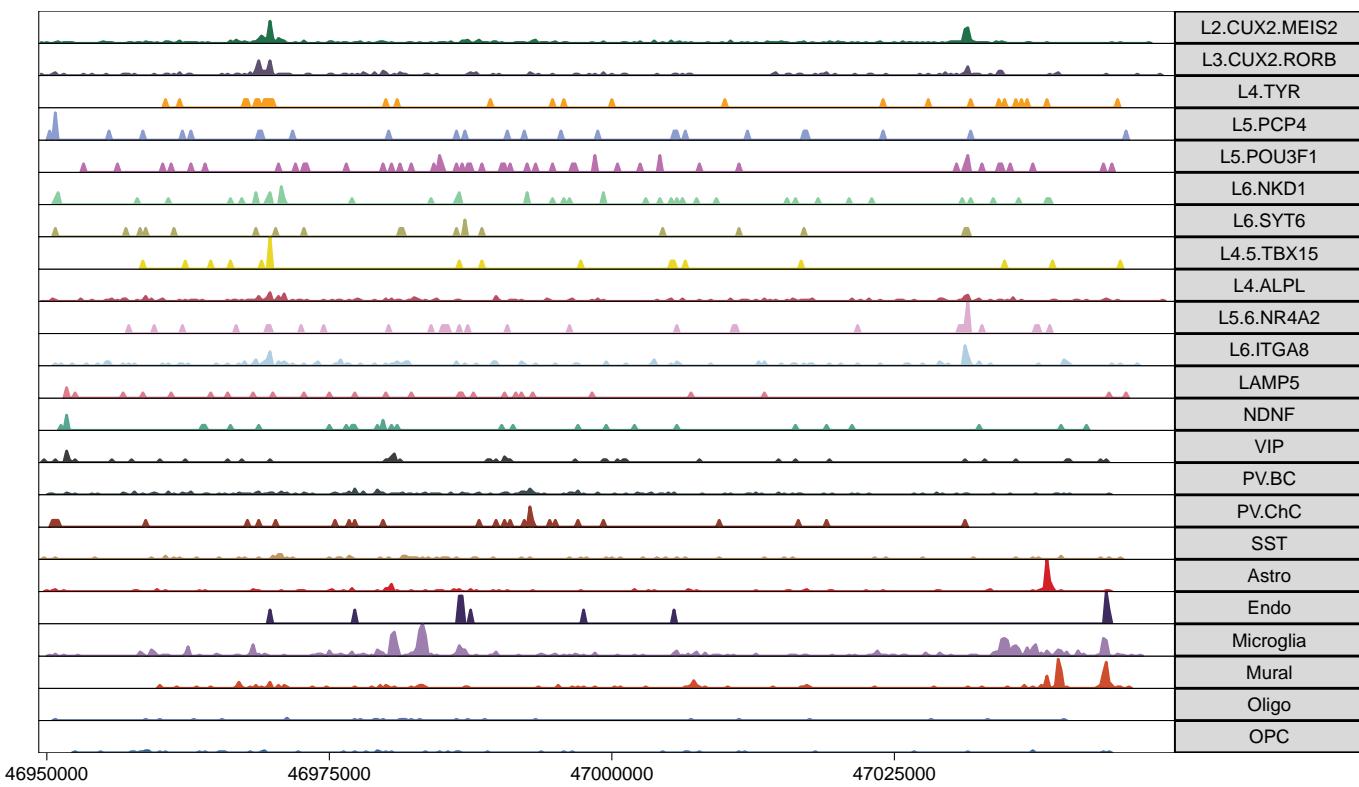
LOC102724586

METTL24

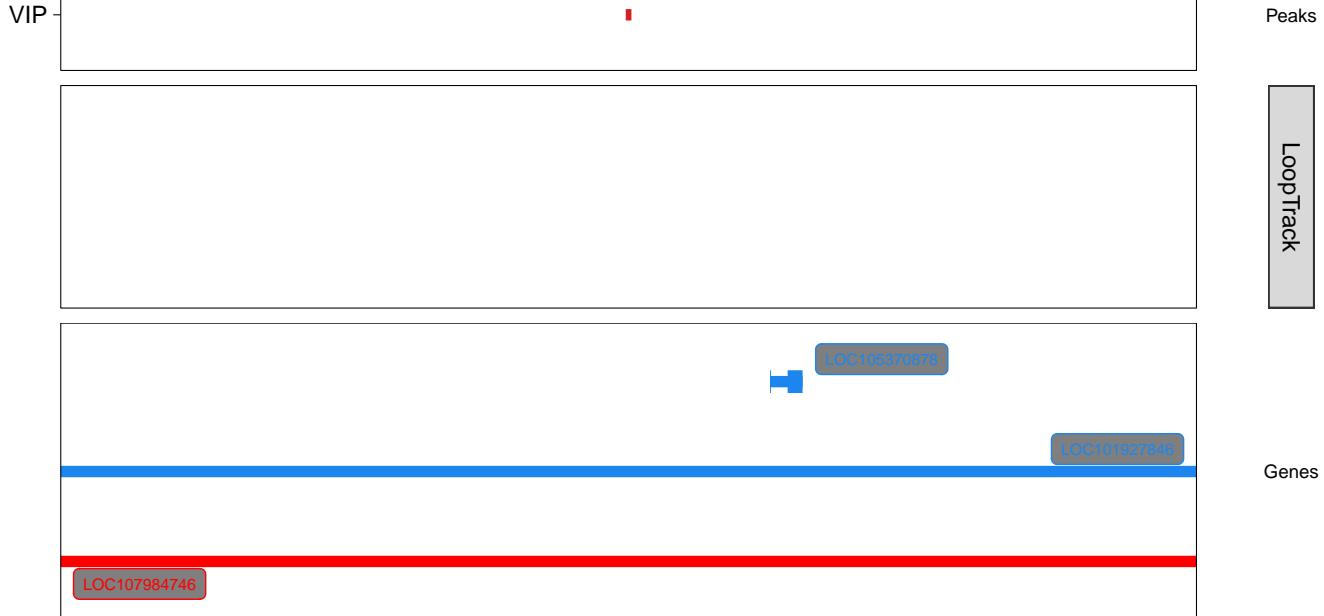
Genes

DDO

chr7:46949284–47049785 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.91) by ReadsInTSS)

46950000 46975000 47000000 47025000



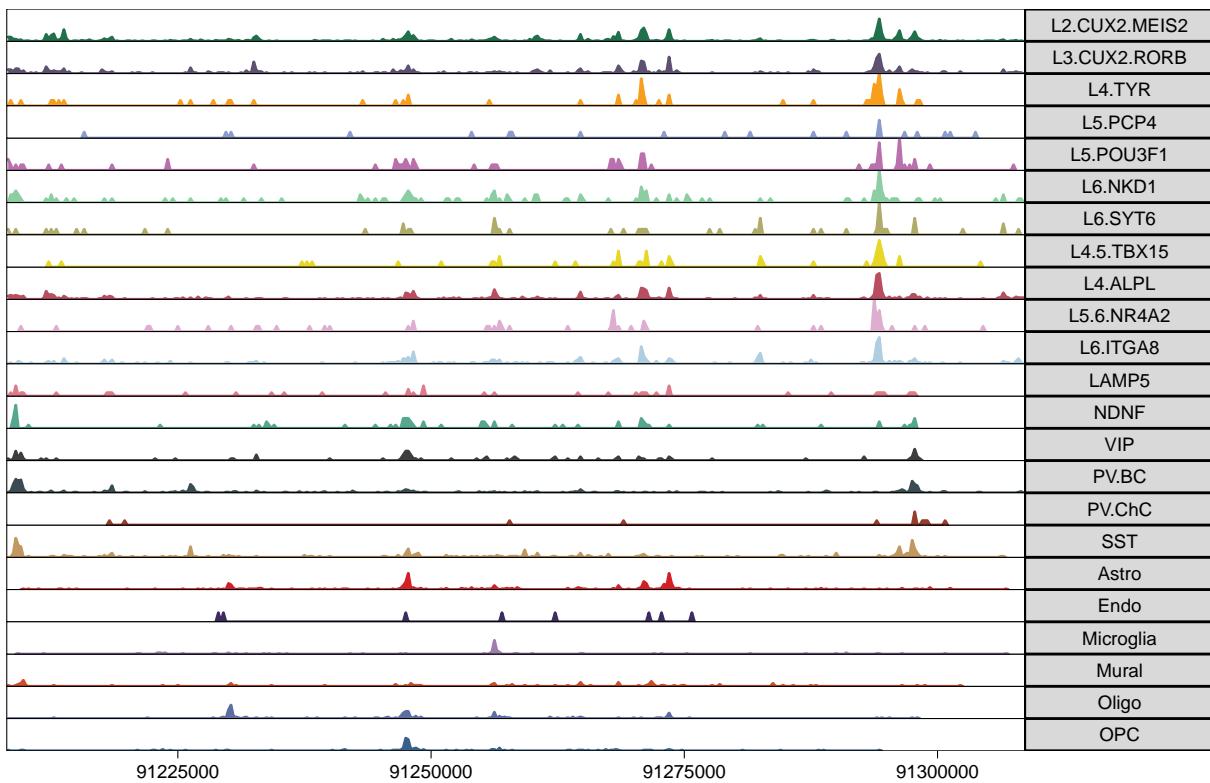
Genes

LoopTrack

Peaks

chr9:91208107–91308608 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.39) by ReadsInTSS)

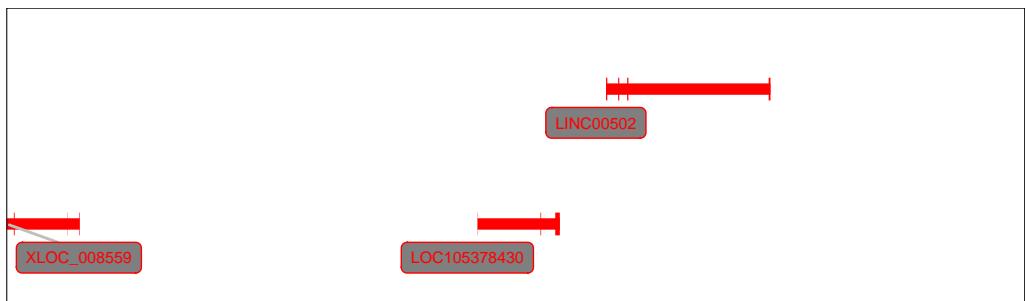
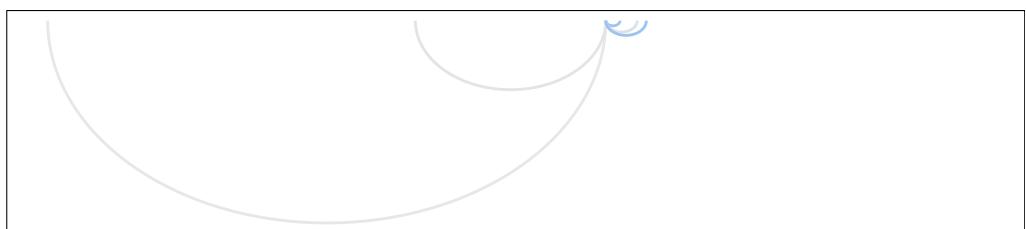


91225000 91250000 91275000 91300000

VIP - Peaks

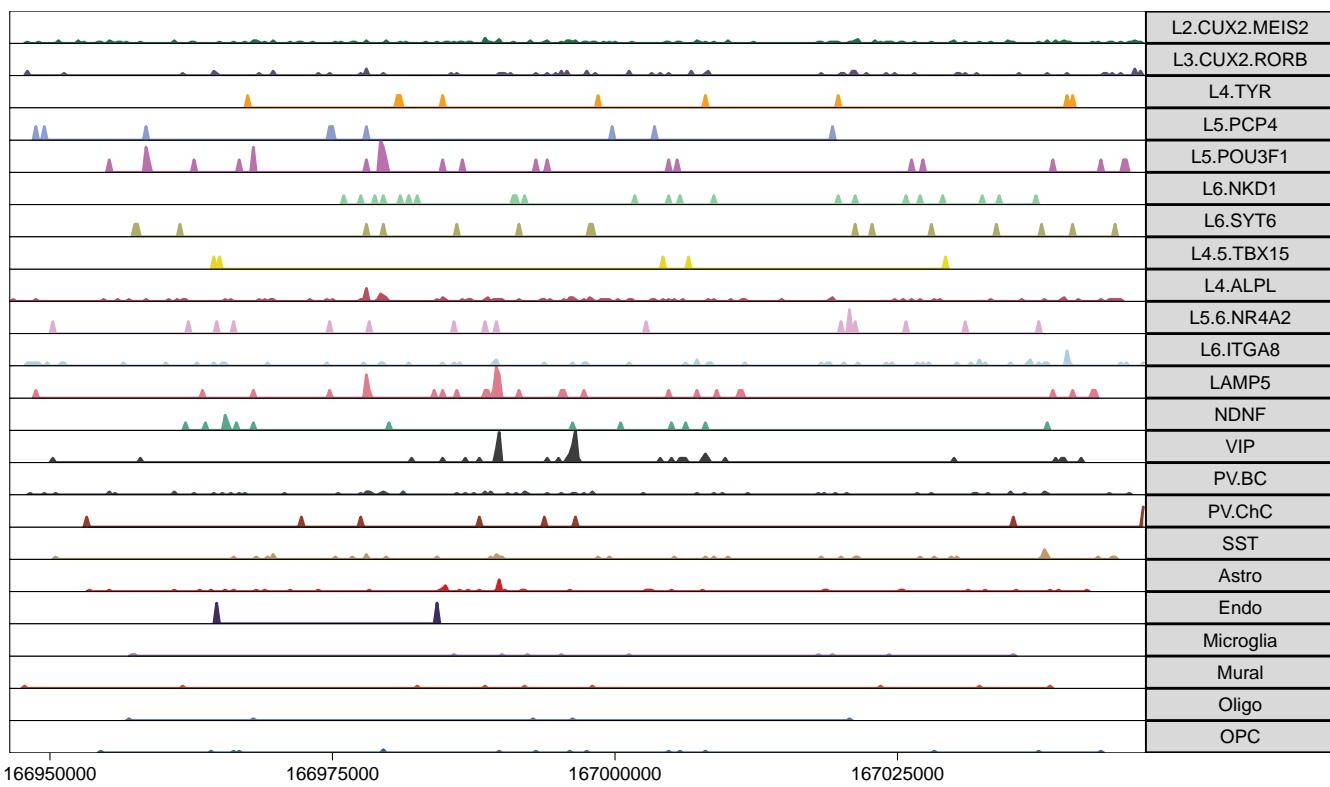


Peak2GeneLinks

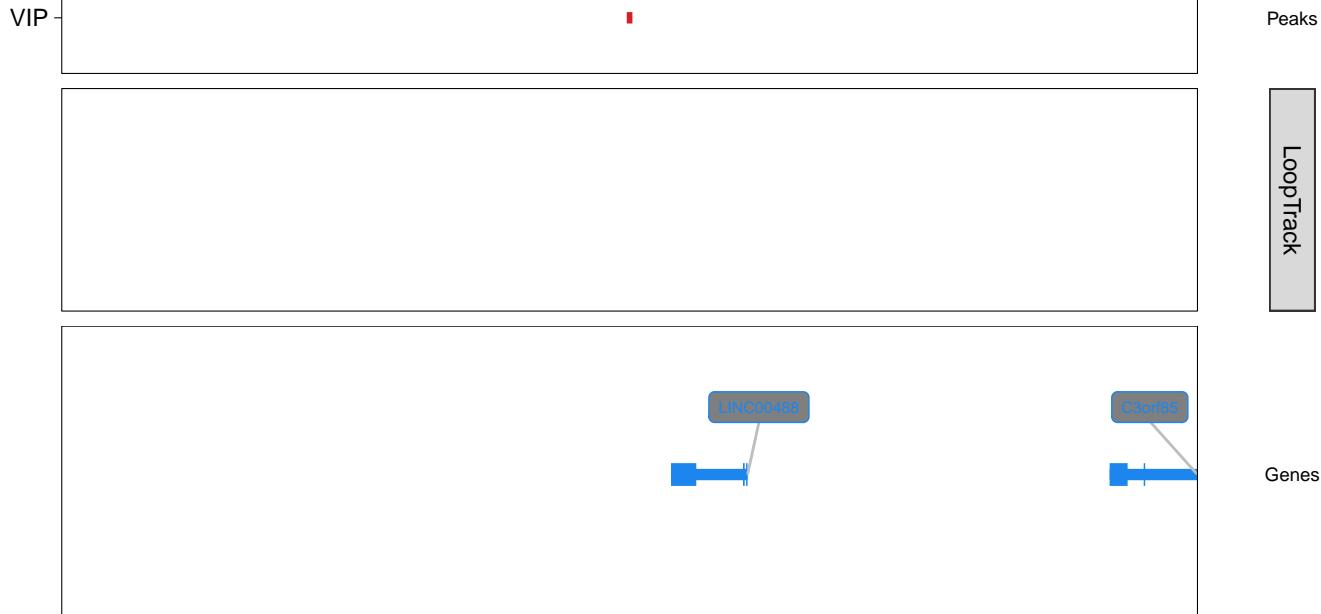


Genes

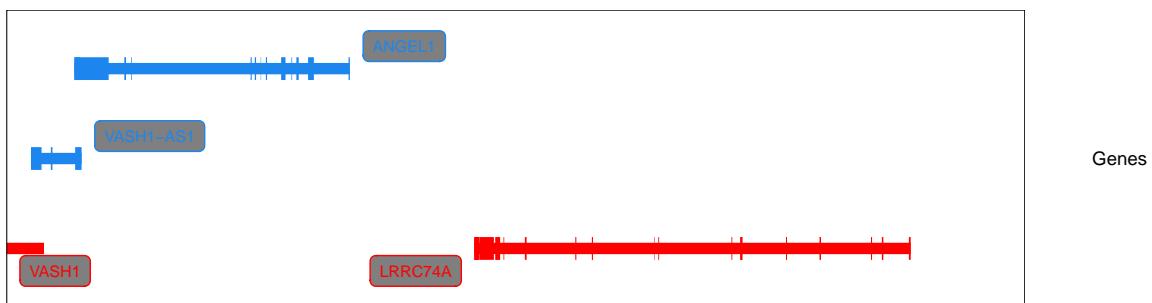
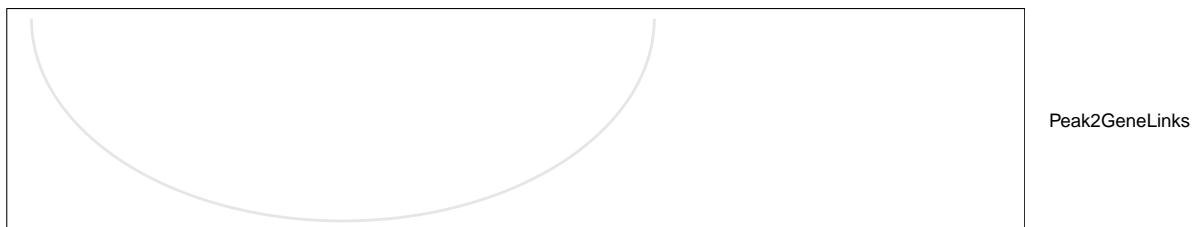
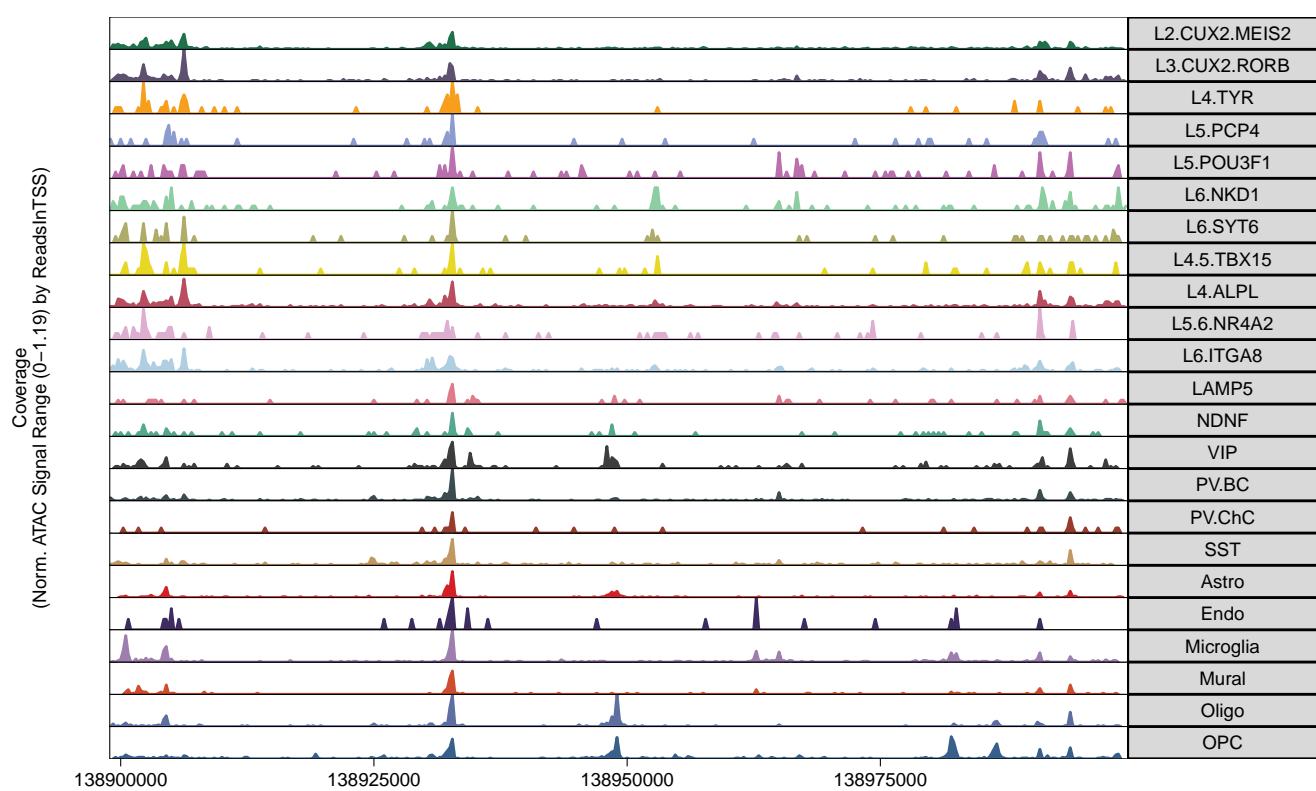
chr2:166946440–167046941 Marker Peak Tracks for: VIP

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

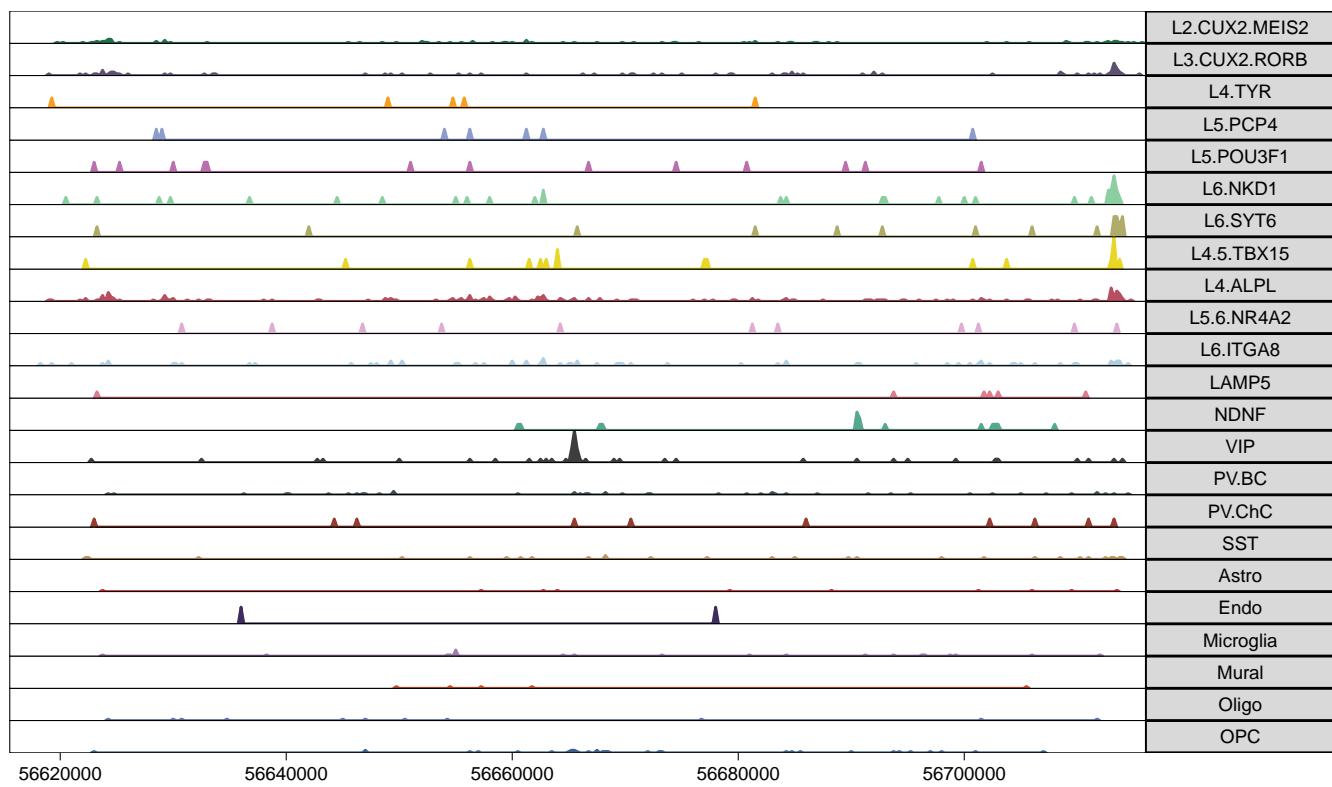
166950000 166975000 167000000 167025000



chr7:138898920–138999421 Marker Peak Tracks for: VIP



chr13:56615533–56716034 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.76) by ReadsInTSS)

VIP

Peaks

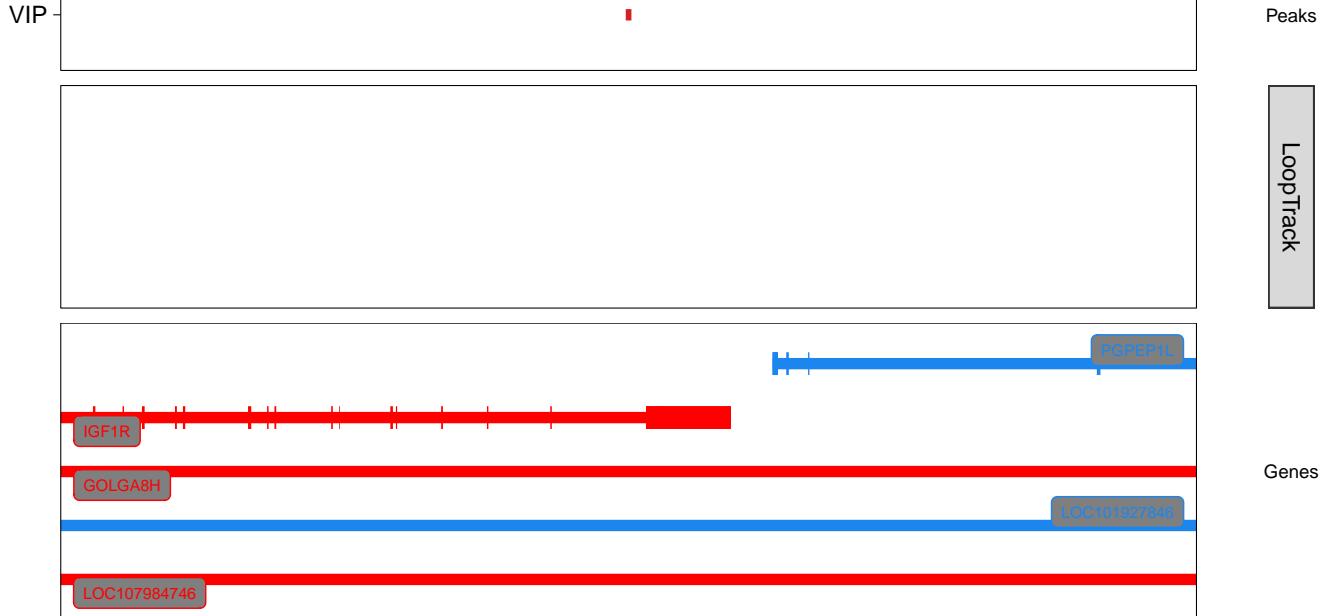
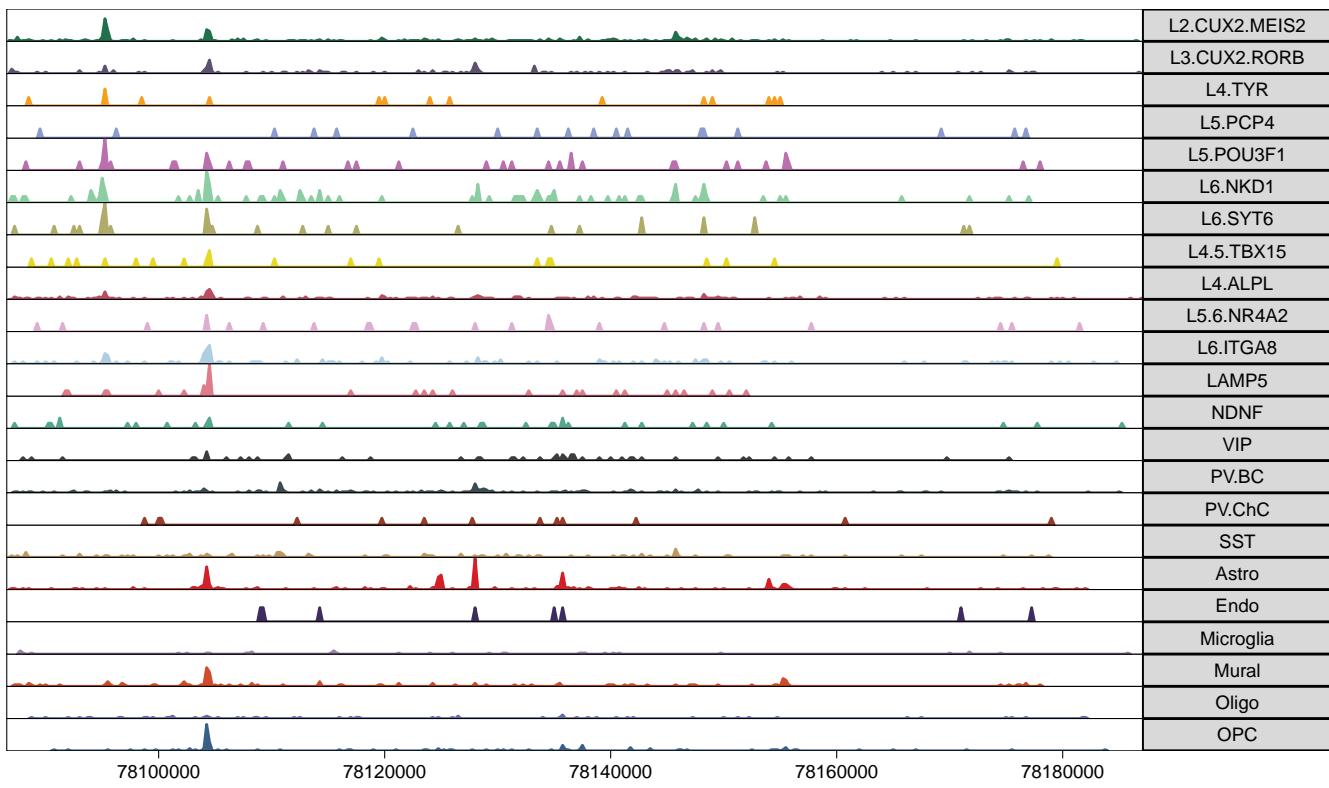
LoopTrack

LOC730100

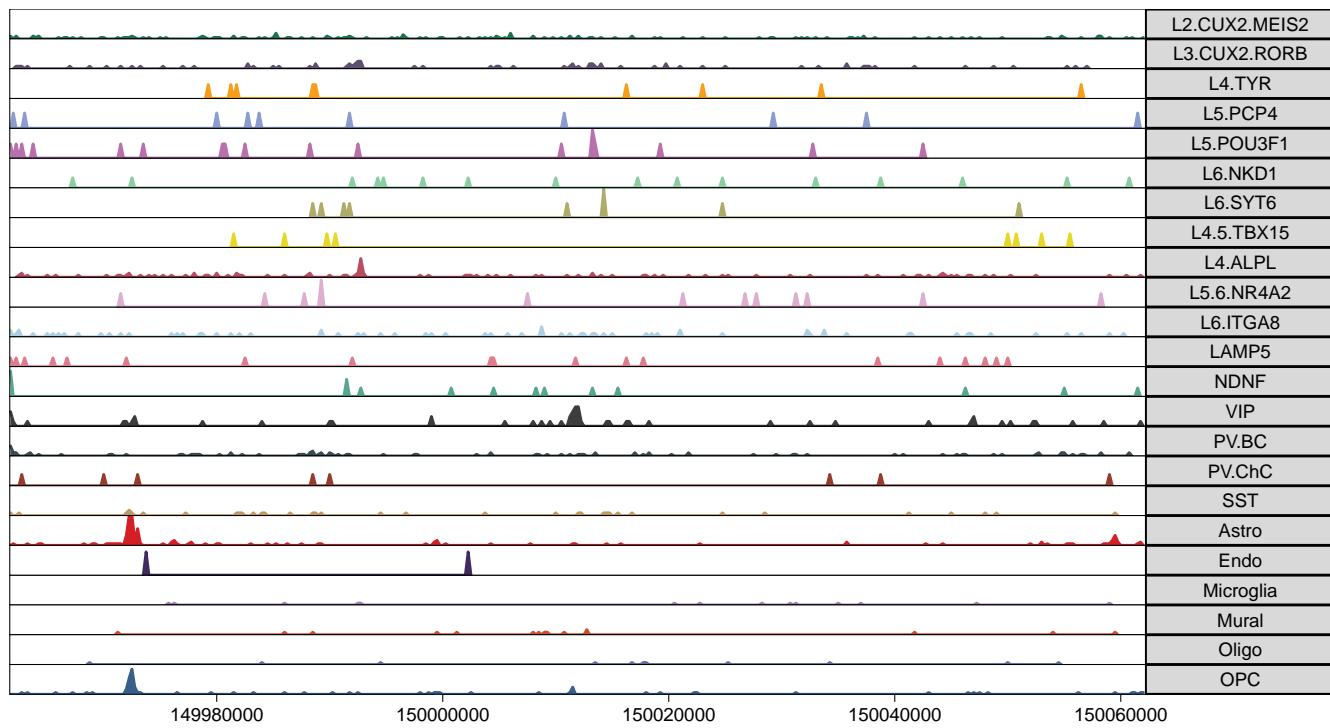
Genes

chr7:78086557–78187058 Marker Peak Tracks for: VIP

Coverage (Norm. ATAC Signal Range (0–0.89) by ReadsInTSS)



chr4:149961684–150062185 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.5) by ReadslnTSS)

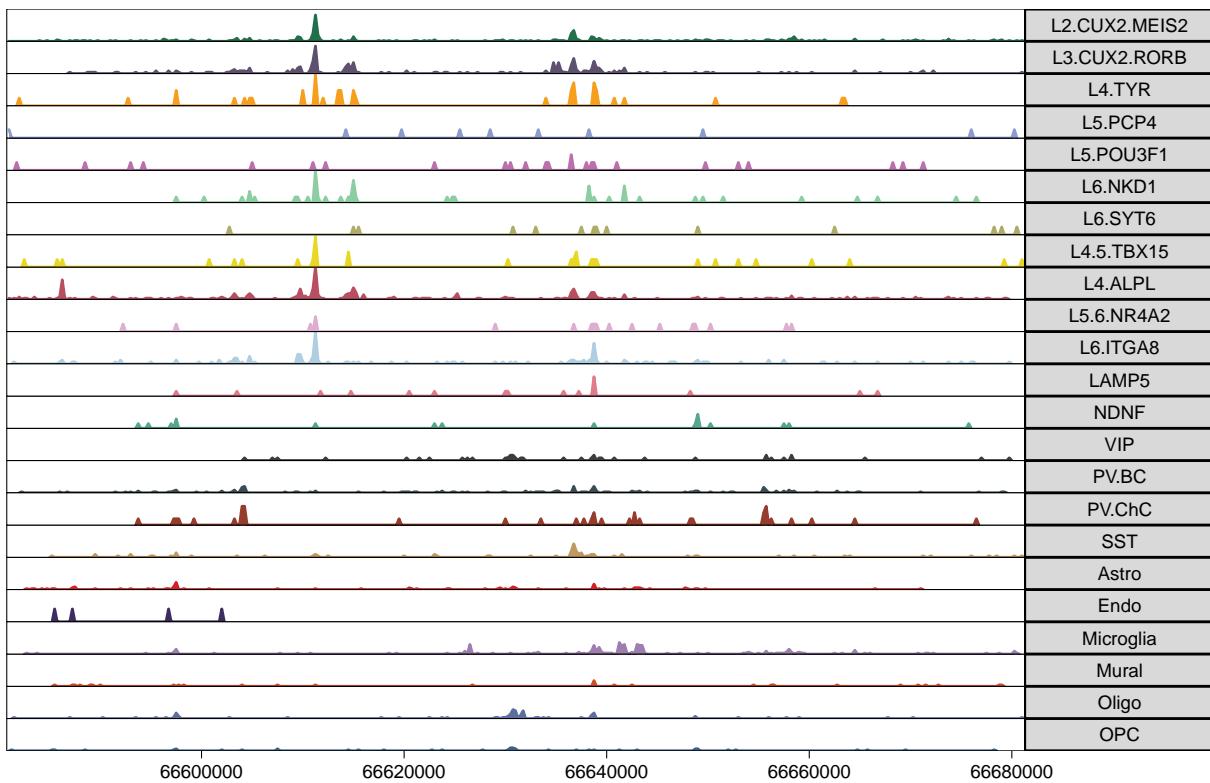
149980000 150000000 150020000 150040000 150060000



strand ● •

chr4:66580770–66681271 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.98) by ReadsInTSS)



66600000 66620000 66640000 66660000 66680000

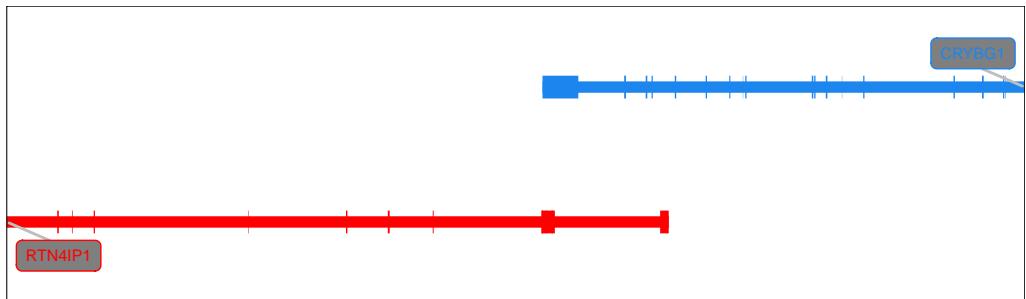
VIP - Peaks



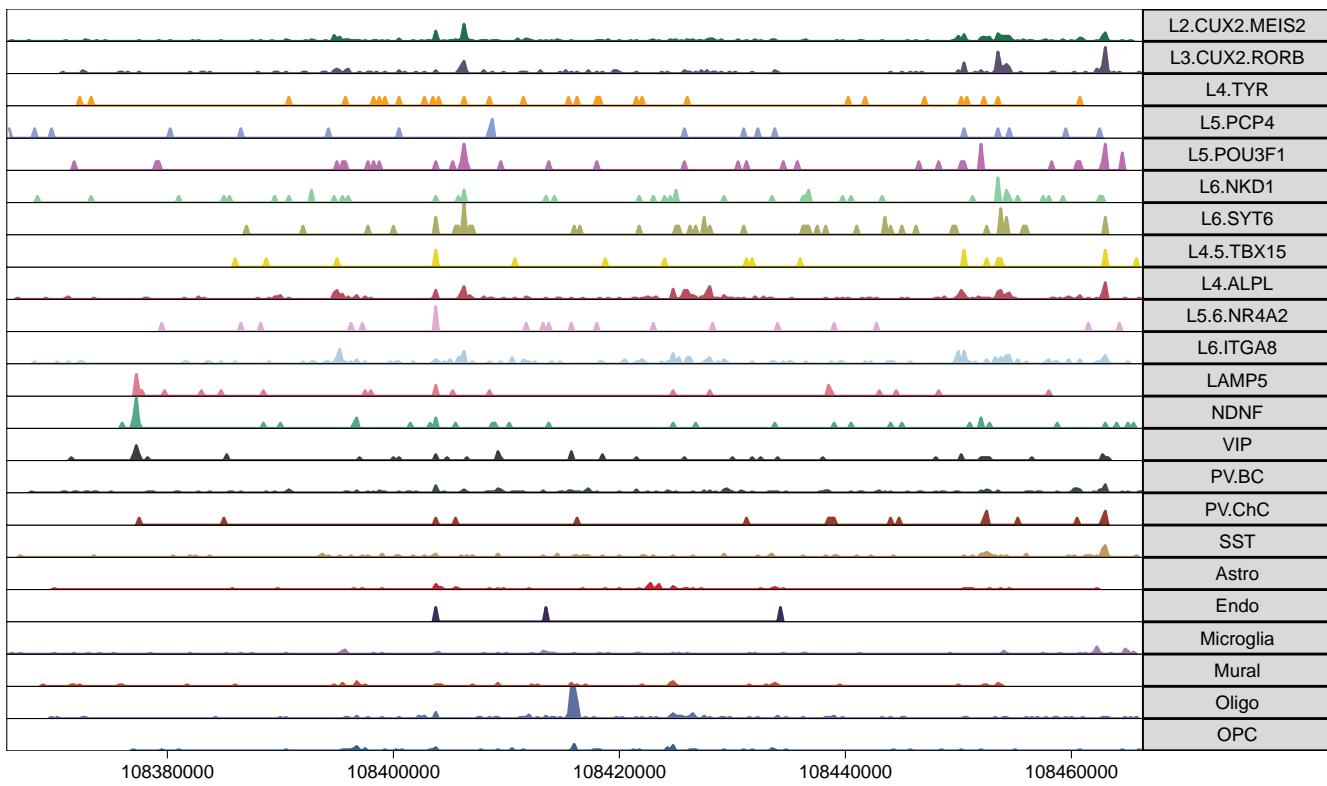
Peak2GeneLinks



Genes



chr5:108365785–108466286 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.88) by ReadsInTSS)

VIP

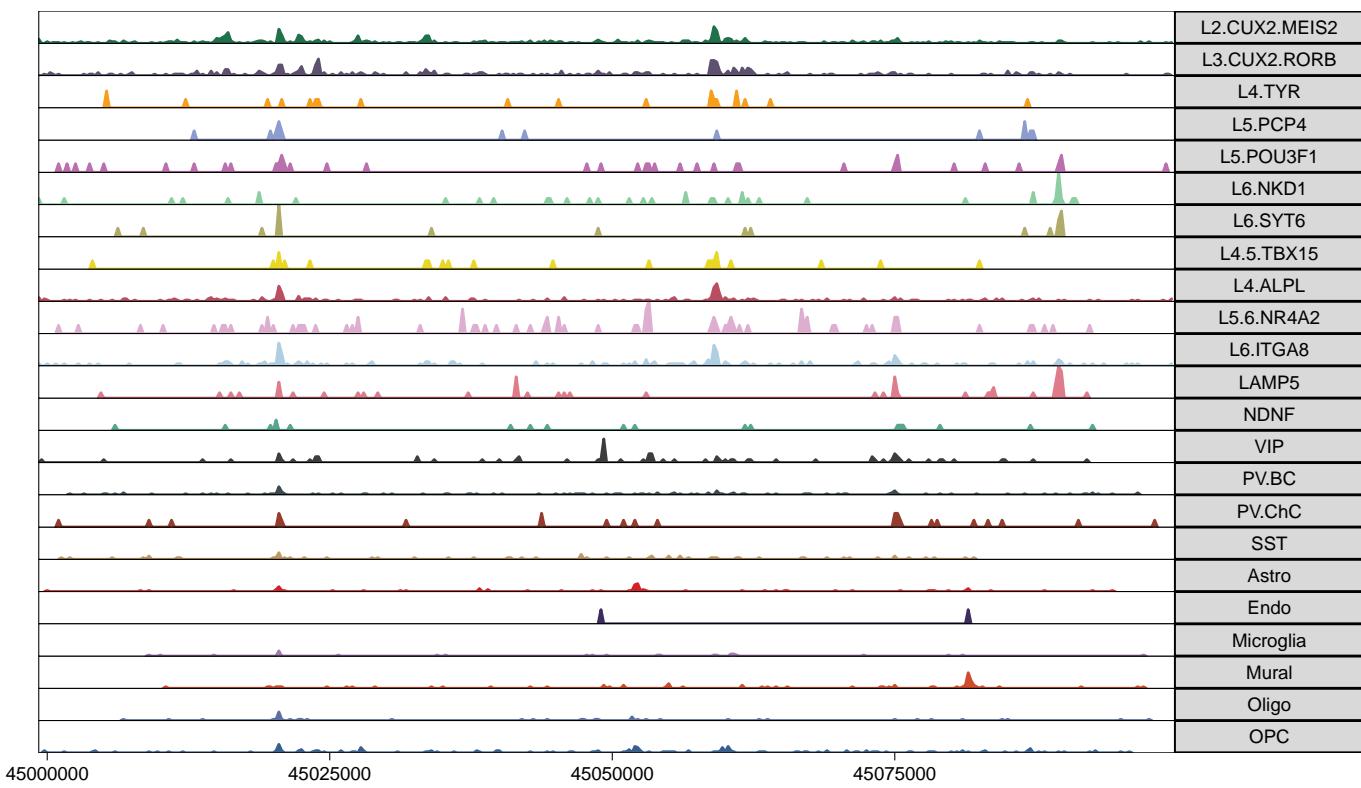
Peaks

LoopTrack

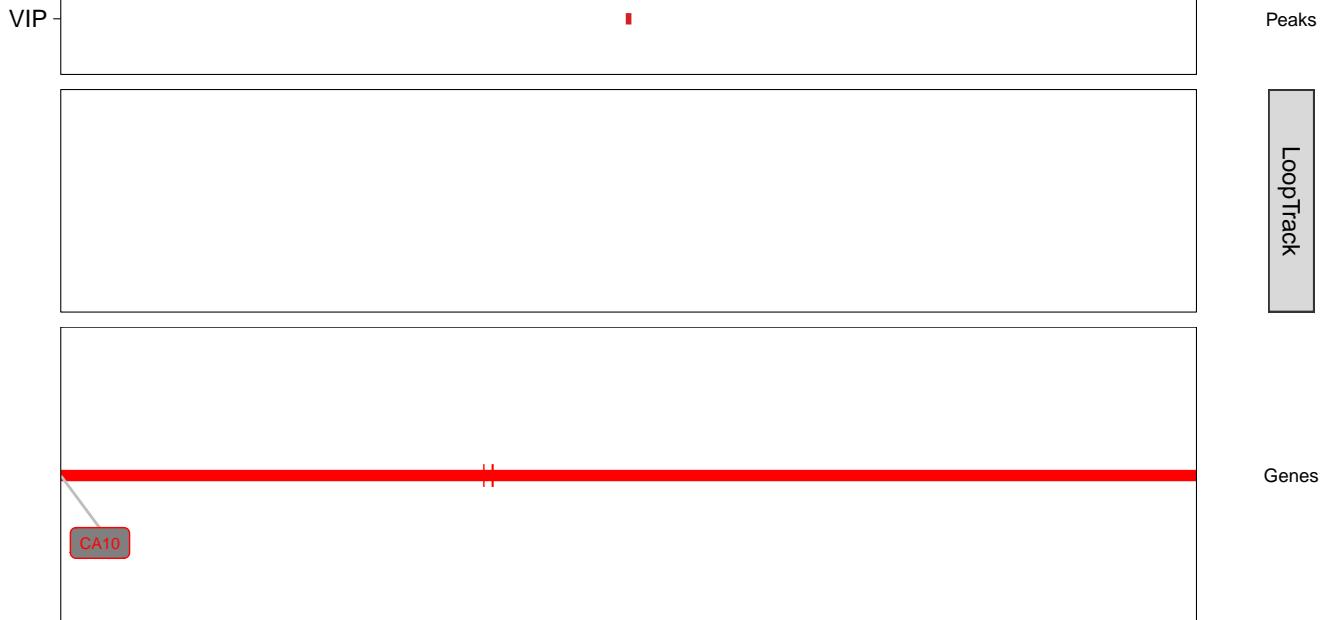
ELOVL6

Genes

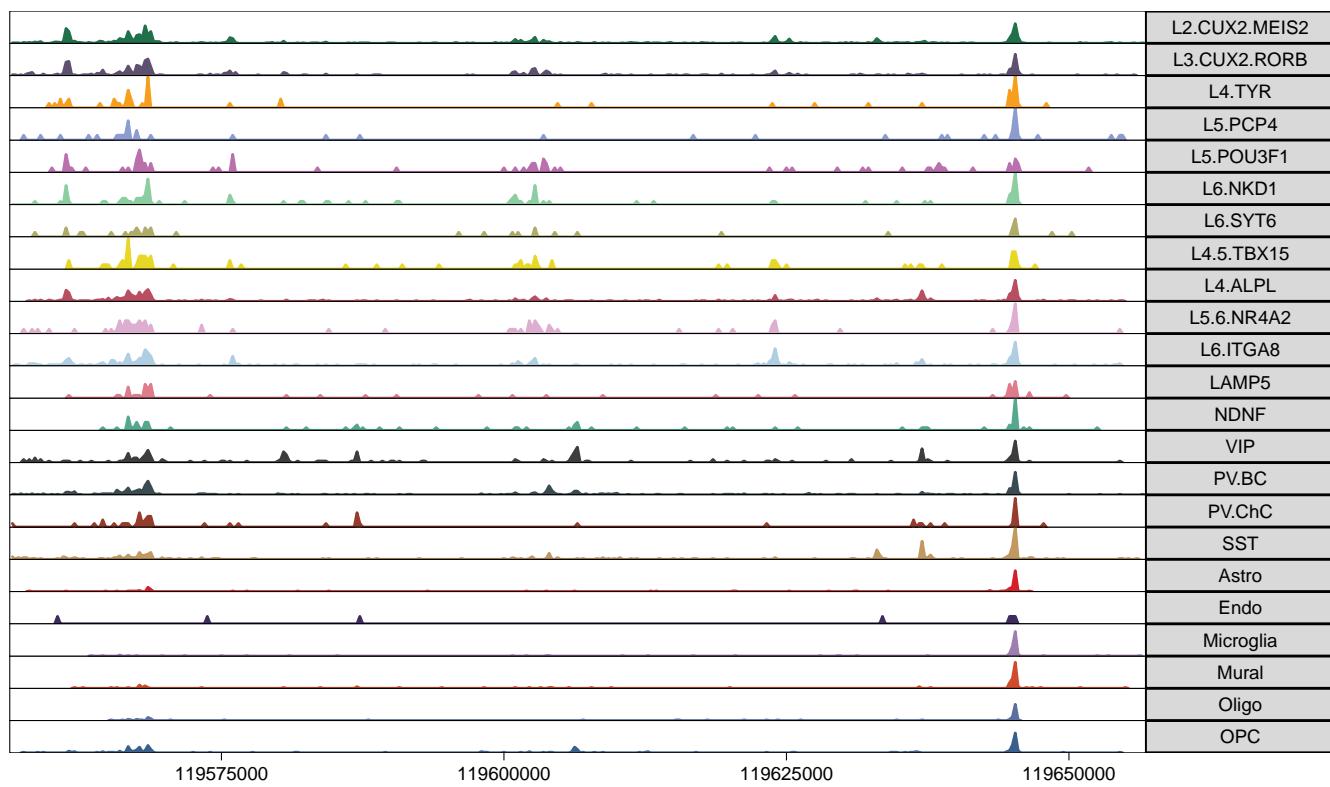
chr16:44999248–45099749 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.89) by ReadsInTSS)

45000000 45025000 45050000 45075000



chr11:119556268–119656769 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.7) by ReadsInTSS)

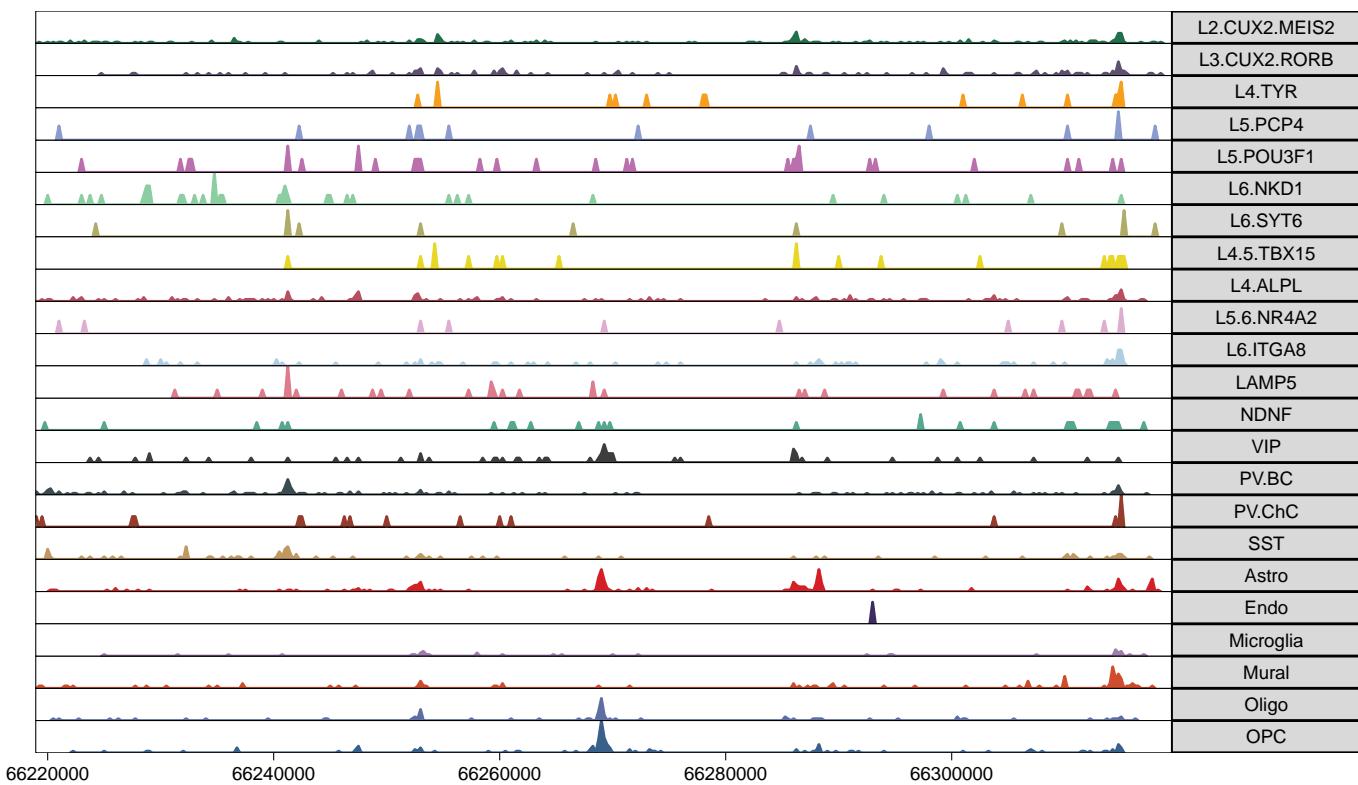
VIP

Peaks

LoopTrack

Genes

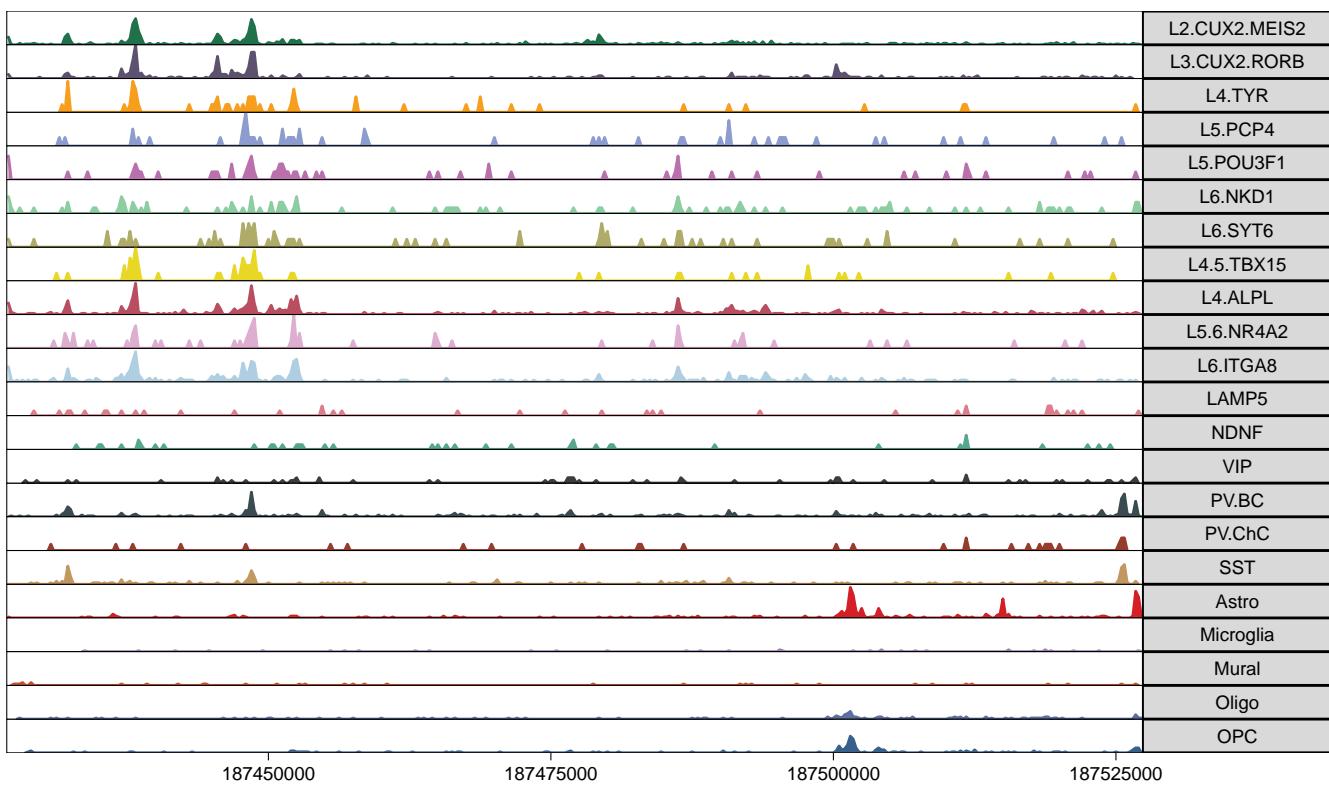
chrX:66218944–66319445 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.58) by ReadInTSS)

66220000 66240000 66260000 66280000 66300000



chr1:187426847–187527348 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.02) by ReadInTSS)

187450000 187475000 187500000 187525000

VIP

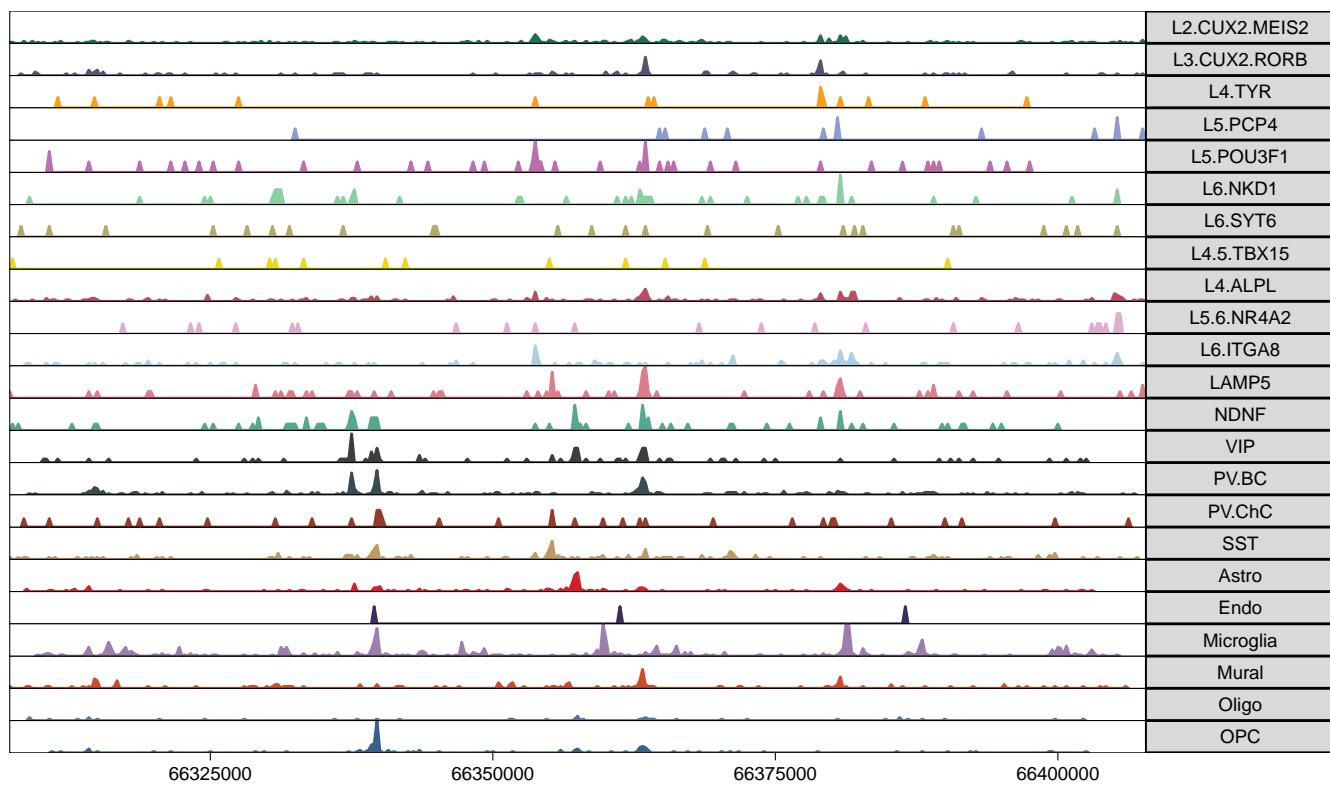
Peaks

LoopTrack

Genes

RNVU1-2A

chr20:66307249–66407750 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.73) by ReadsInTSS)

66325000 66350000 66375000 66400000

VIP

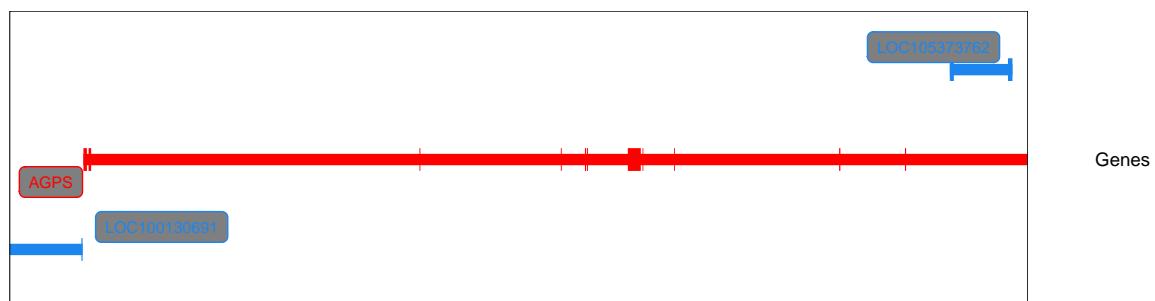
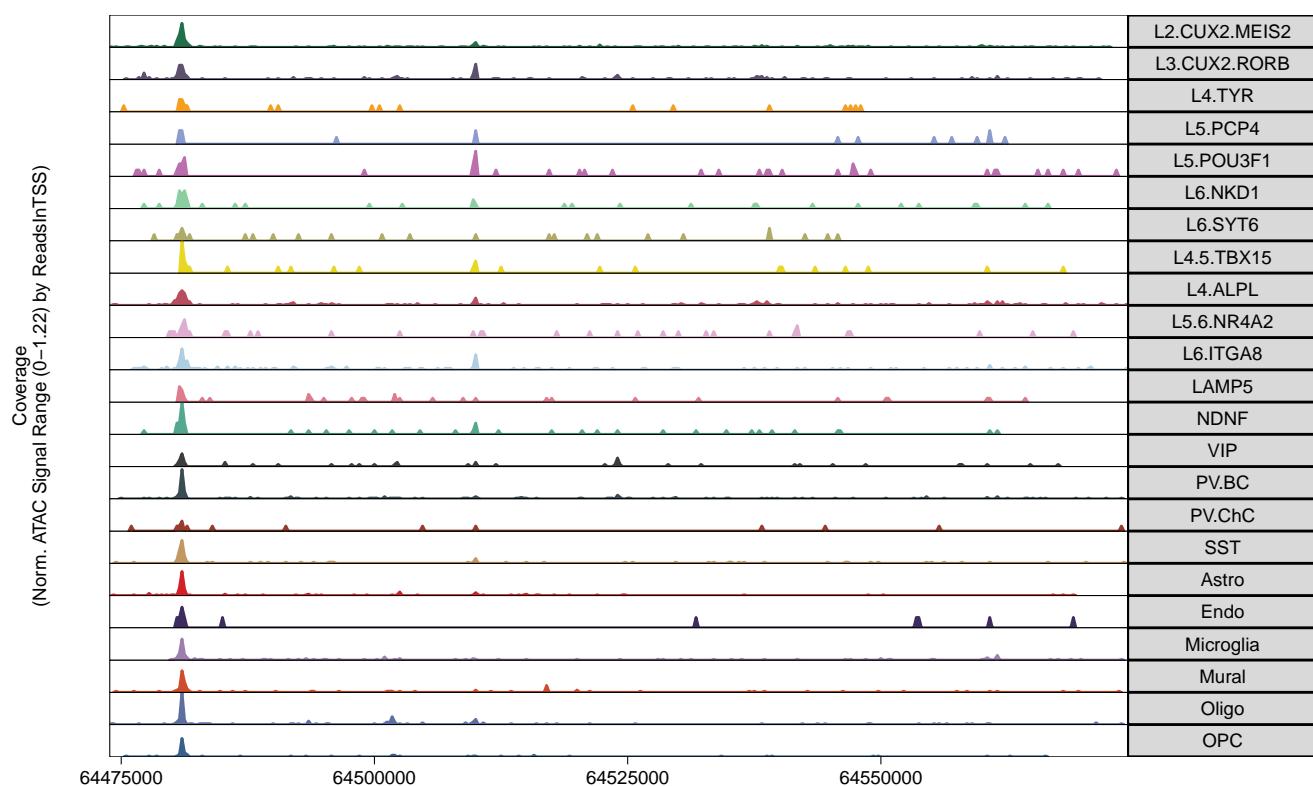
Peaks

LoopTrack

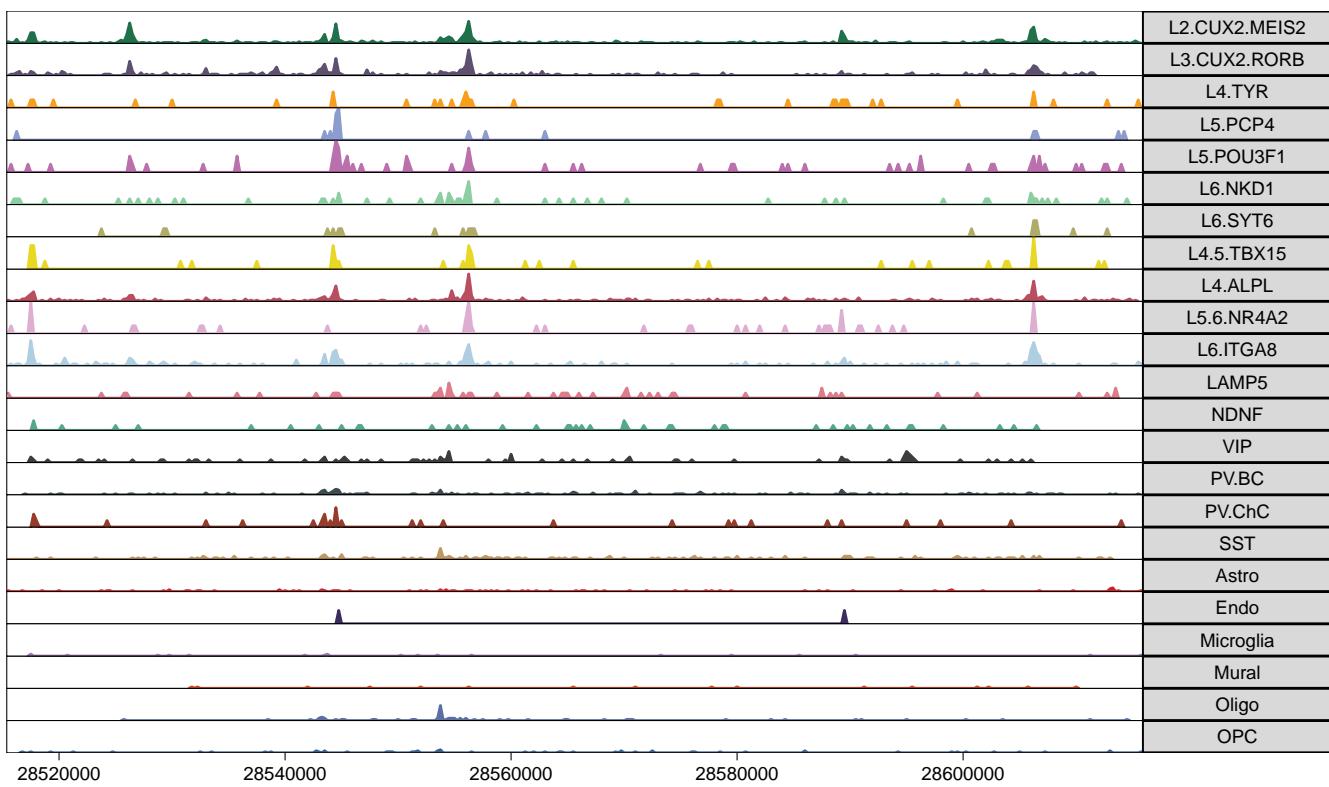
MAF

Genes

chr12:64473867–64574368 Marker Peak Tracks for: VIP



chr13:28515371–28615872 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.95) by ReadInTSS)

VIP

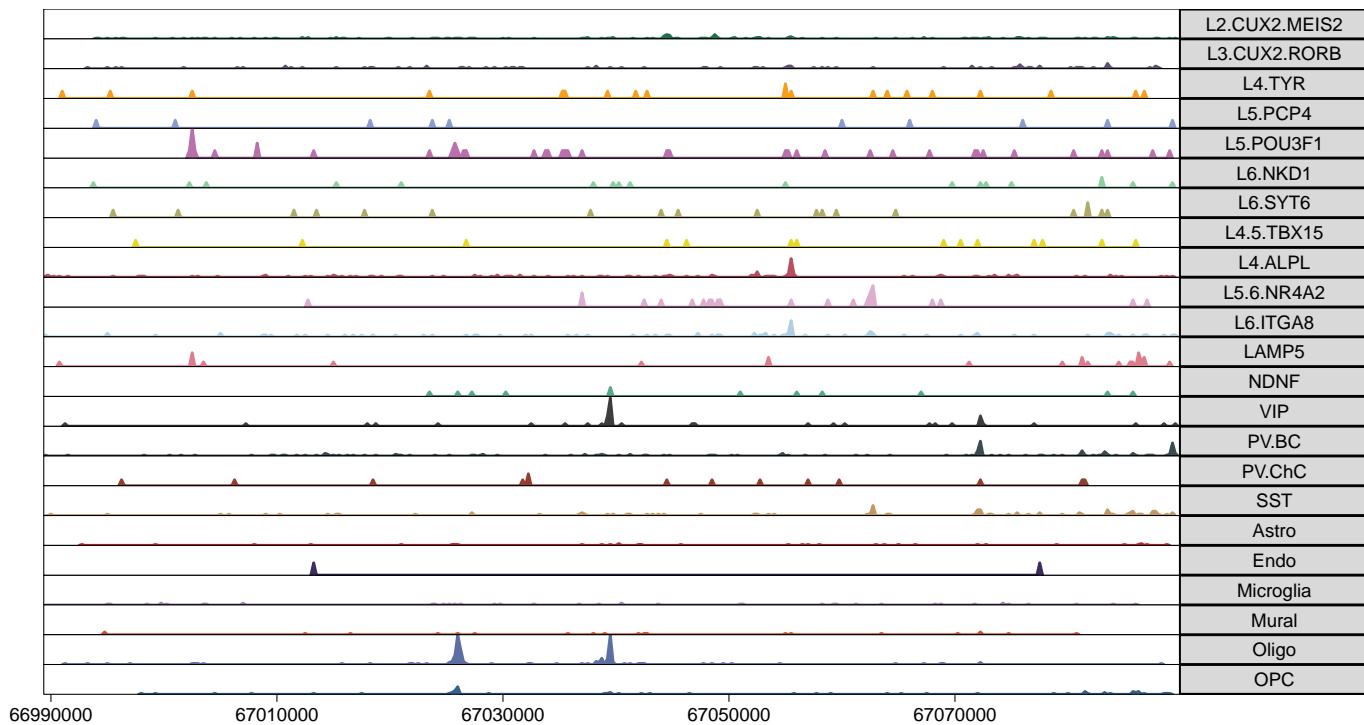
Peaks

LoopTrack

CTNNA2

Genes

chr20:66989364–67089865 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.95) by ReadstTSS)

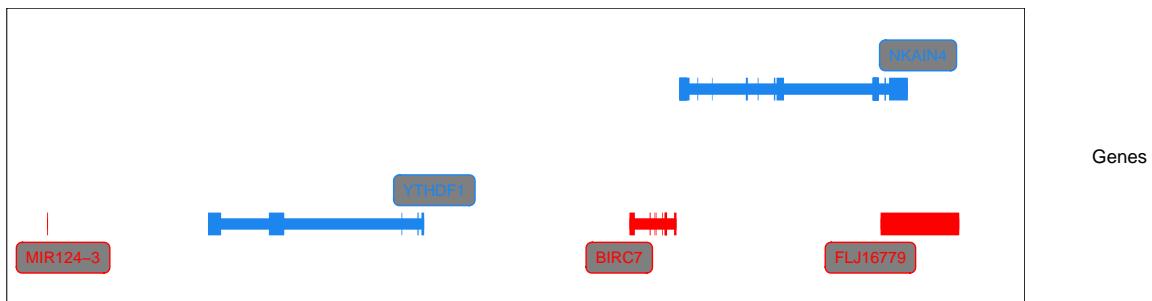
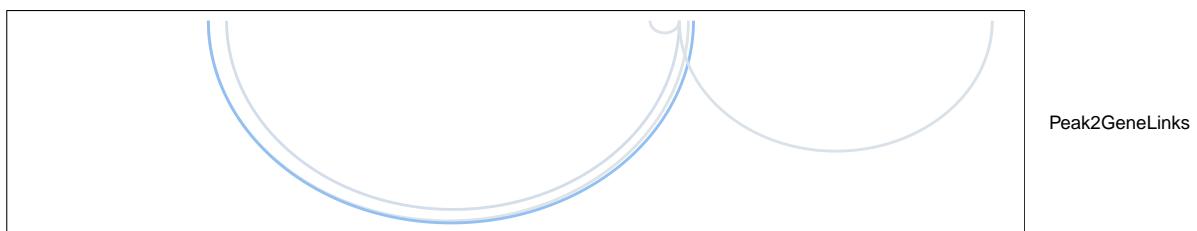
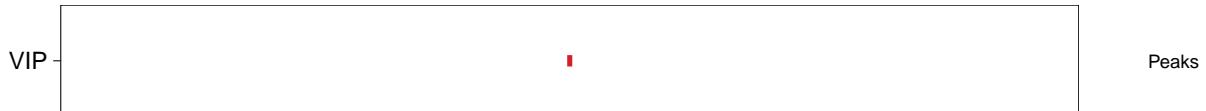
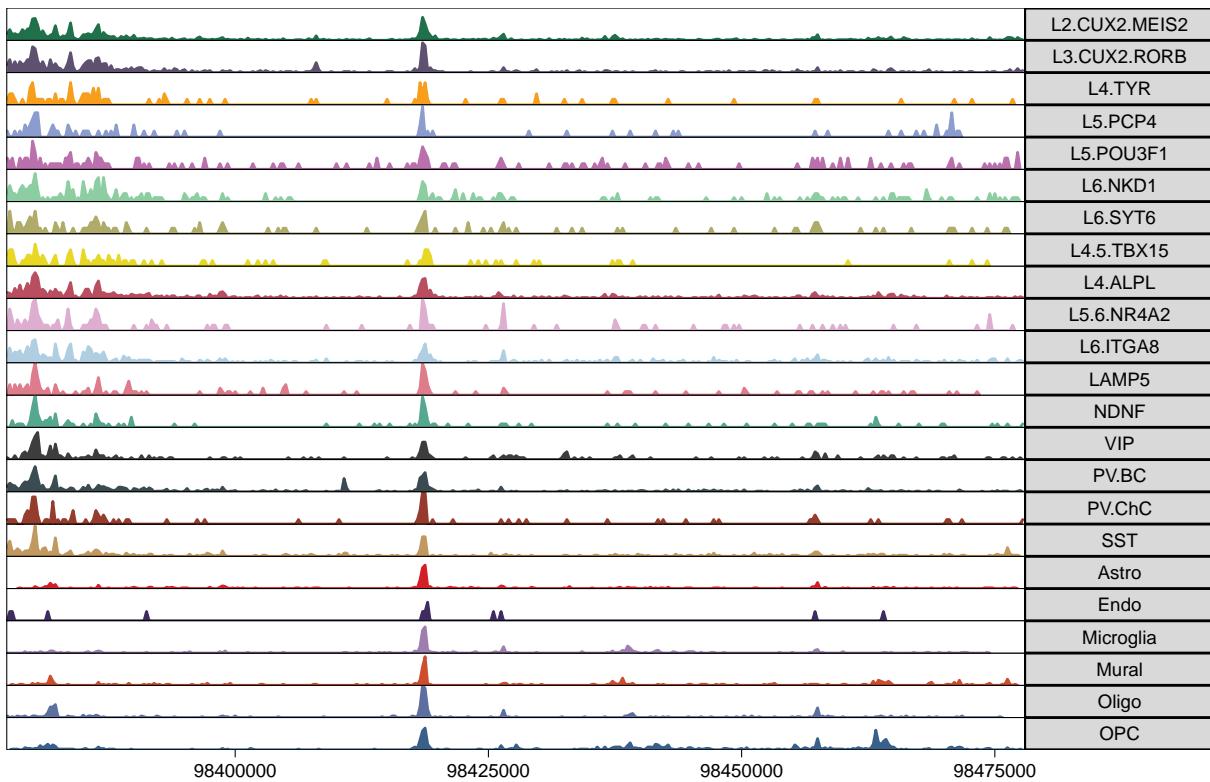
66990000 67010000 67030000 67050000 67070000



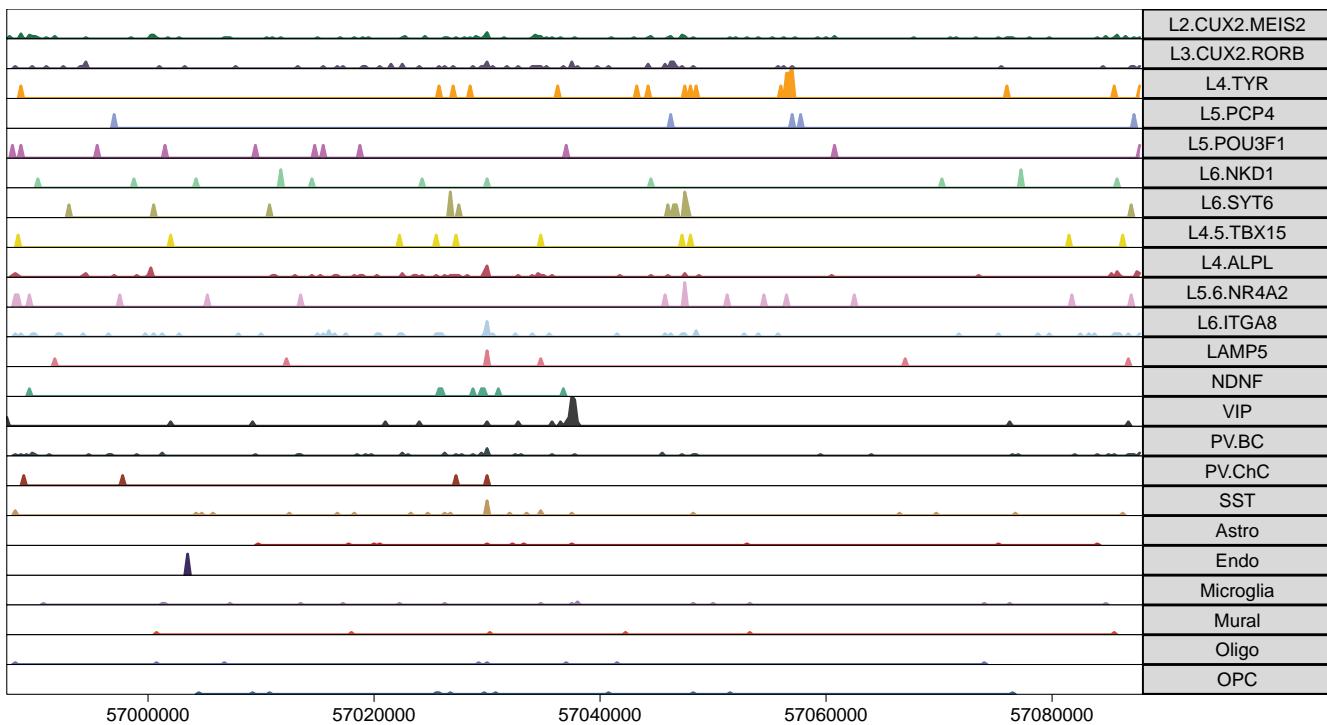
strand ● •

chr10:98377448–98477949 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.36) by ReadsInTSS)



chr9:56987496–57087997 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.55) by ReadstTSS)

57000000 57020000 57040000 57060000 57080000

VIP

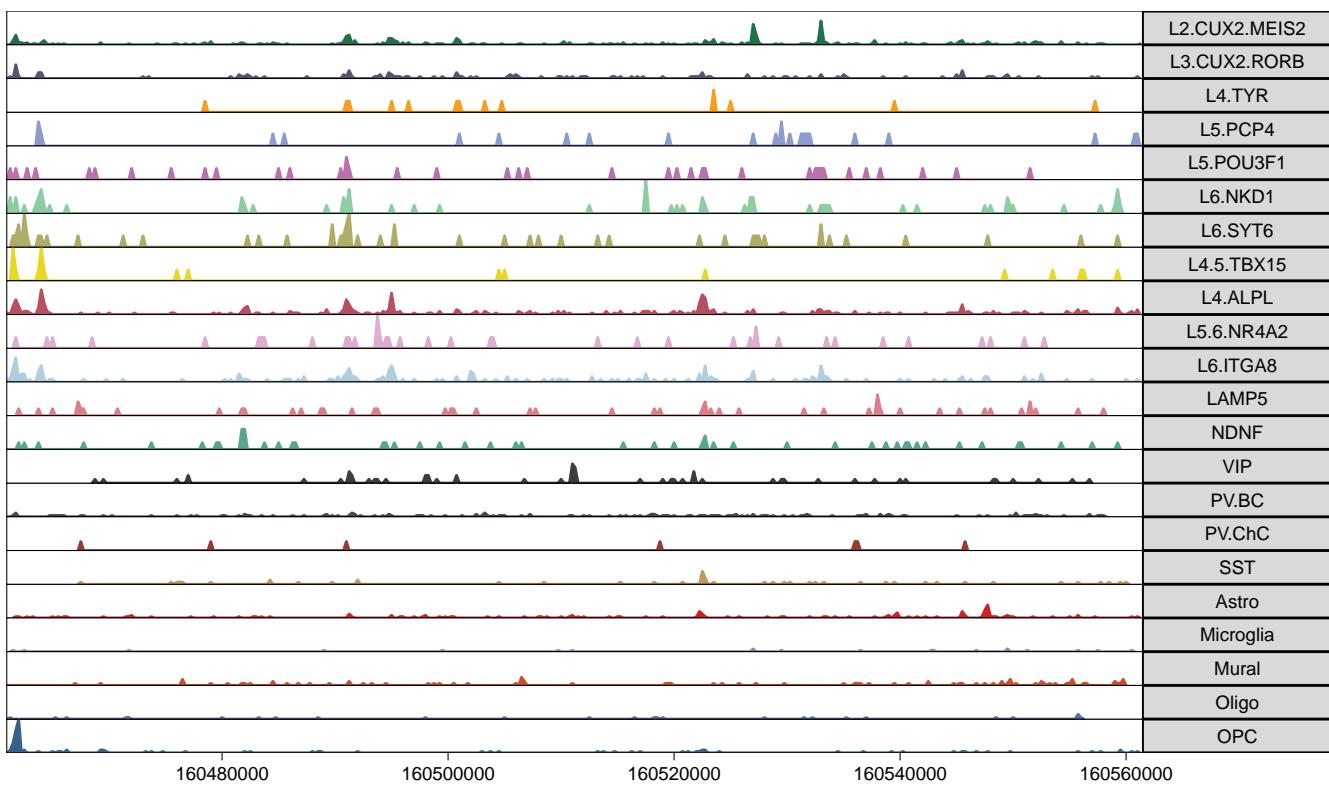
Peaks

LoopTrack

GeneTrack

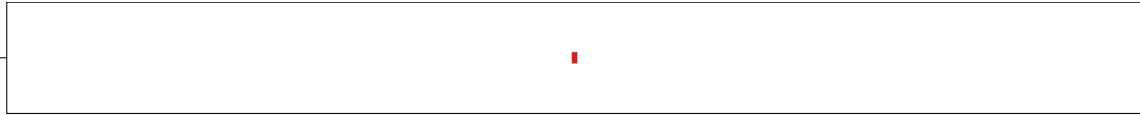
strand ● •

chr1:160460946–160561447 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.7) by ReadsInTSS)

VIP

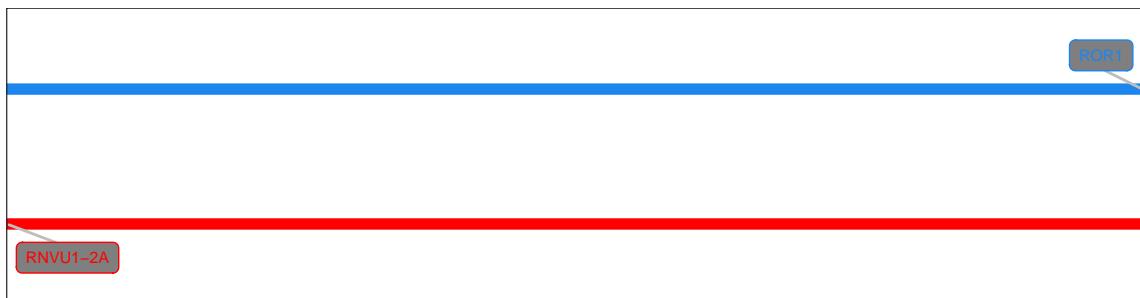
Peaks



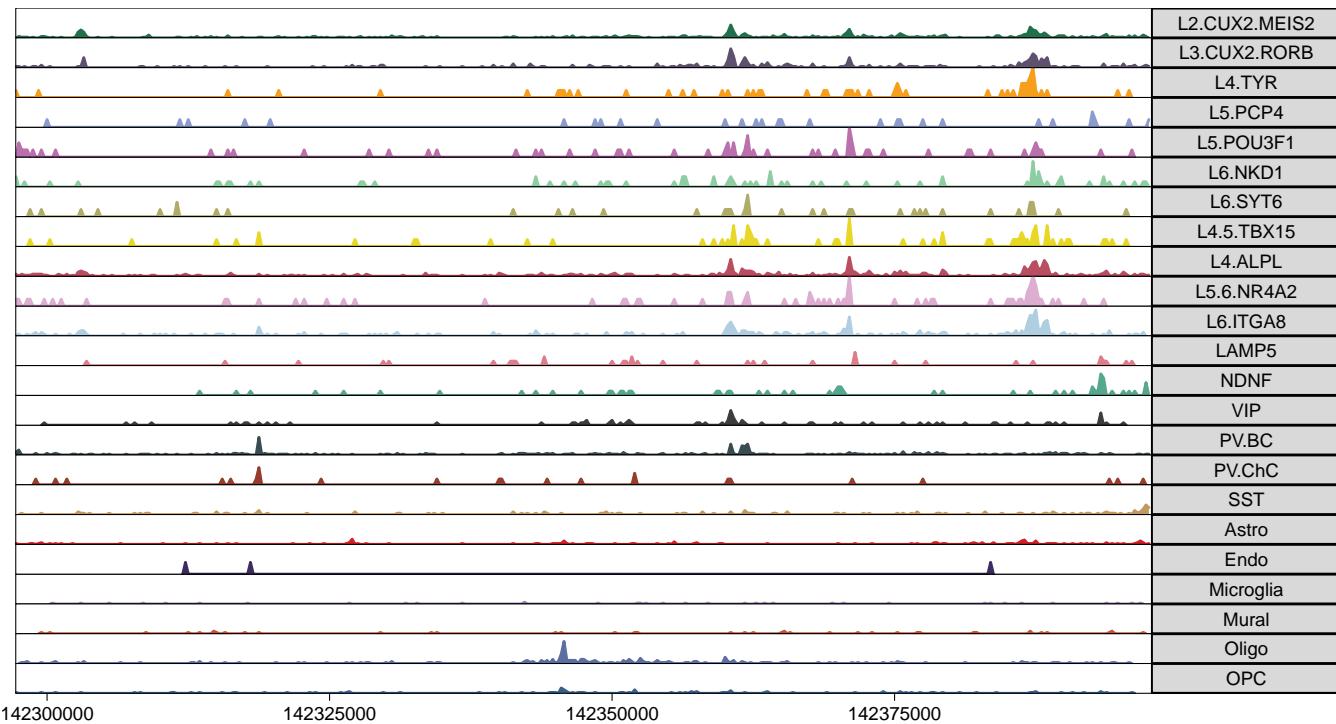
LoopTrack



Genes



chr8:142297229–142397730 Marker Peak Tracks for: VIP

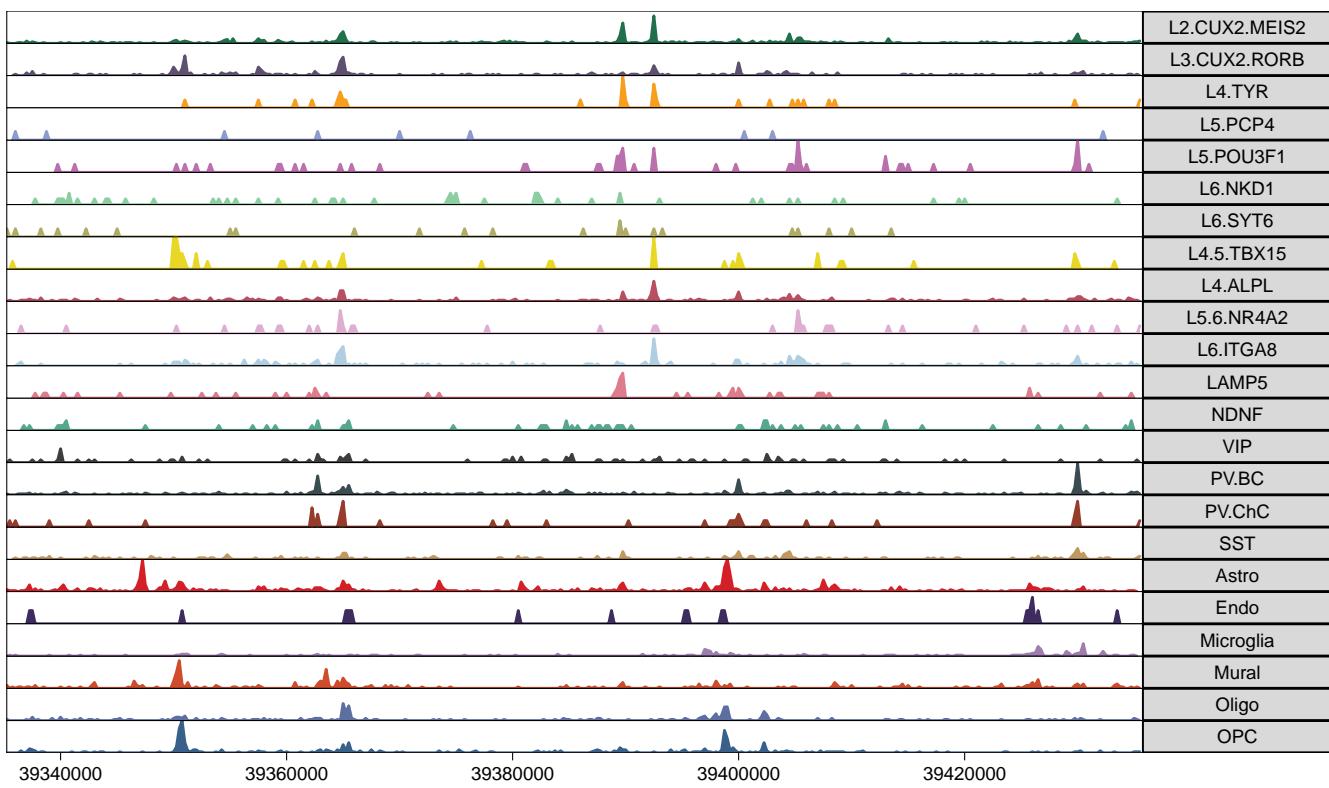
Coverage
(Norm. ATAC Signal Range (0–0.99) by ReadstTSS)

142300000 142325000 142350000 142375000



strand ● •

chr16:39335234–39435735 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.95) by ReadInTSS)

VIP

Peaks

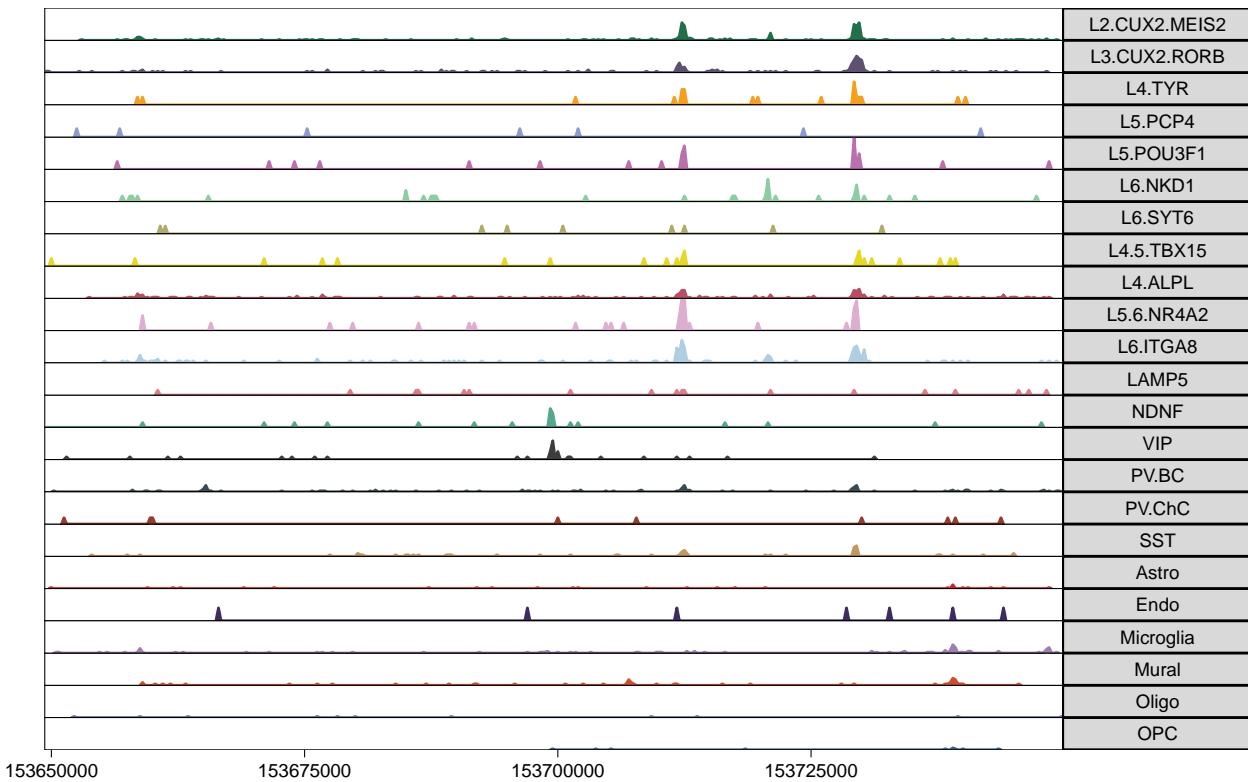
LoopTrack

MSI2

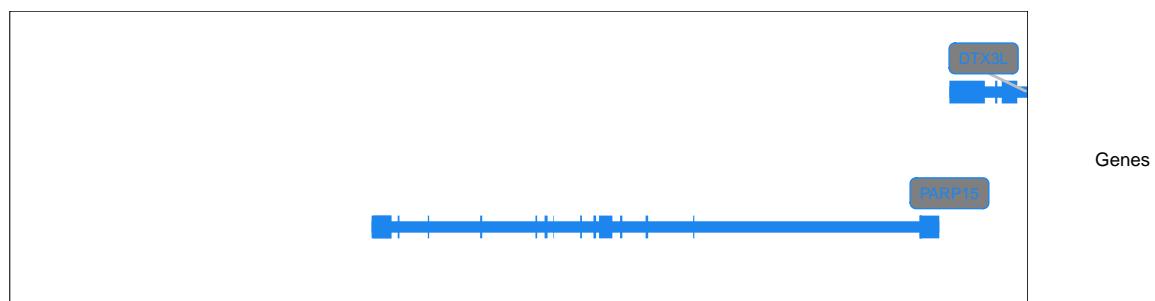
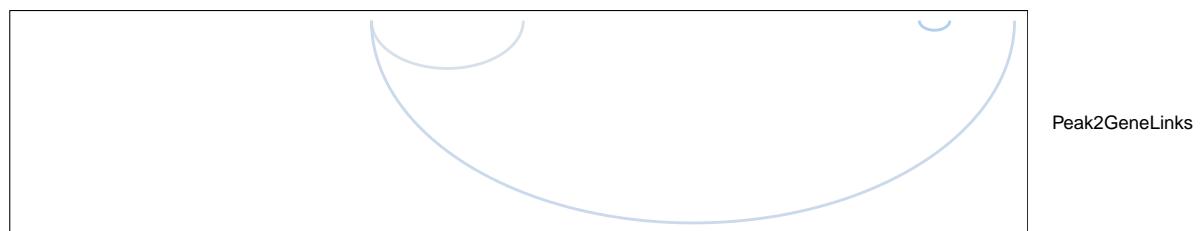
Genes

chr2:153649346–153749847 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.98) by ReadsInTSS)

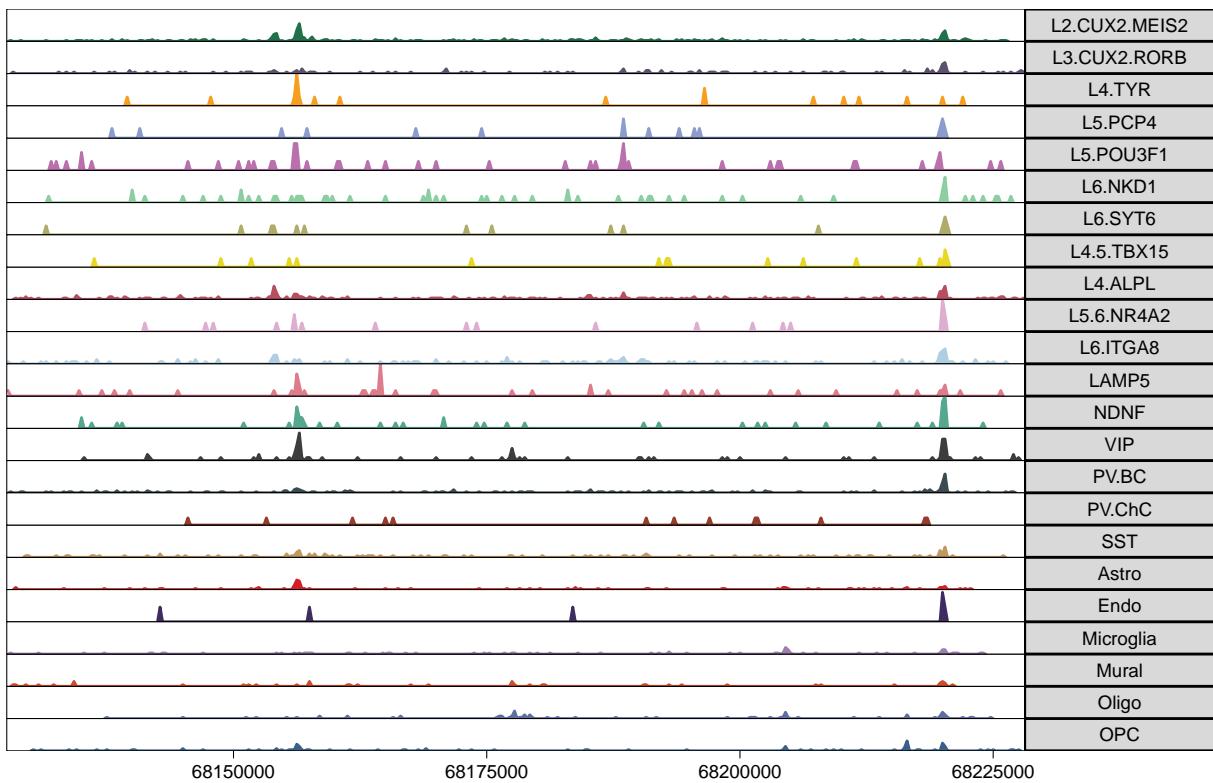


153650000 153675000 153700000 153725000



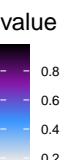
chr20:68127613–68228114 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.86) by ReadsInTSS)

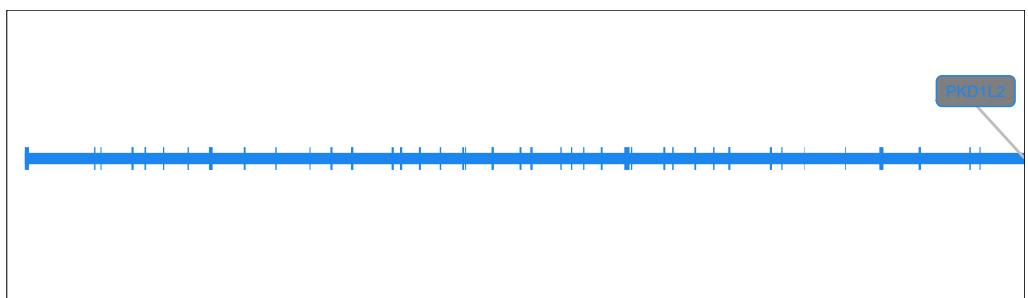


68150000 68175000 68200000 68225000

VIP - Peaks



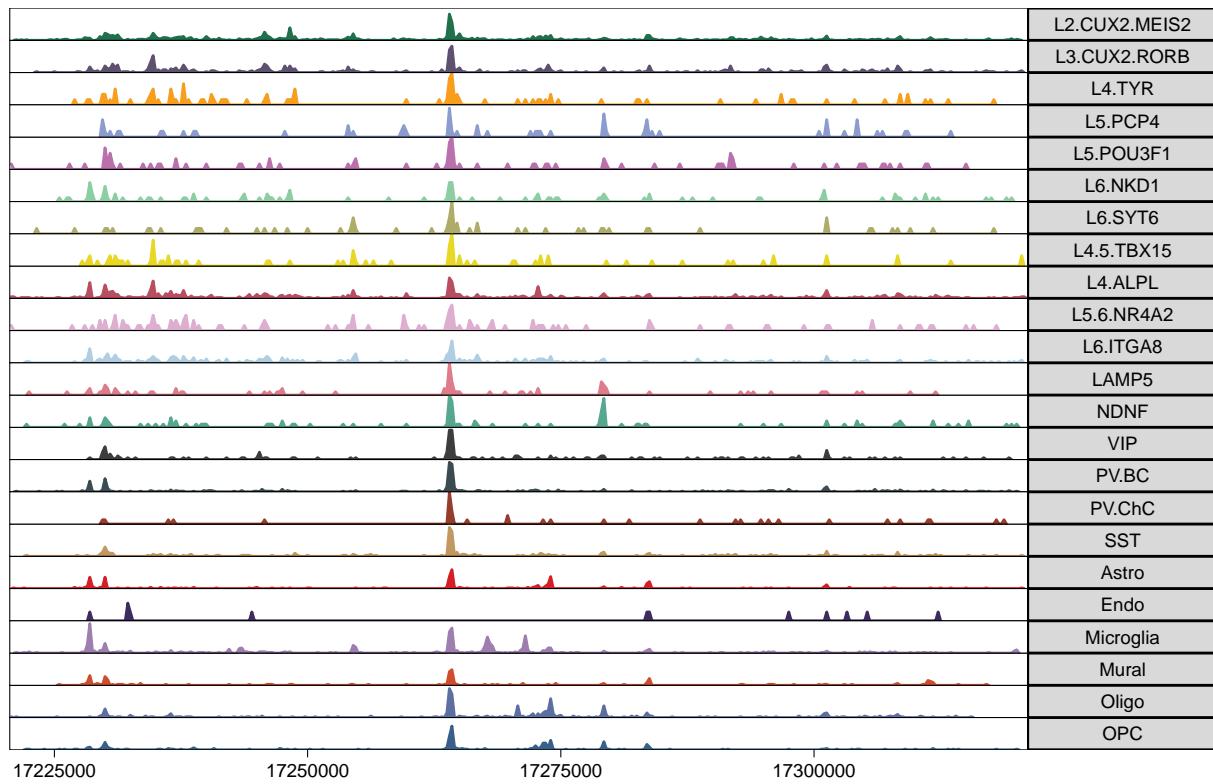
Peak2GeneLinks



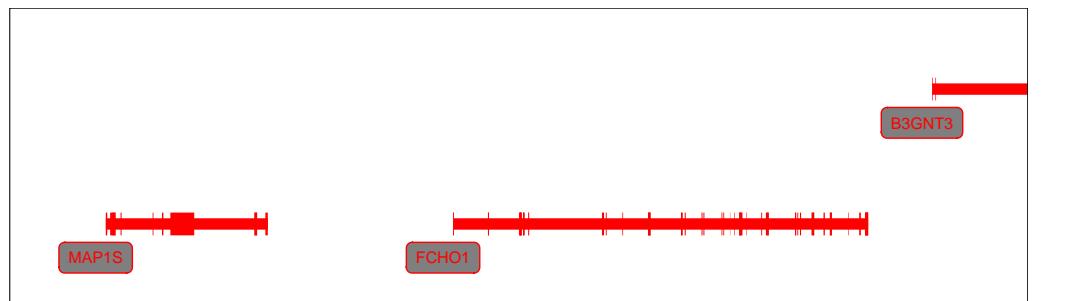
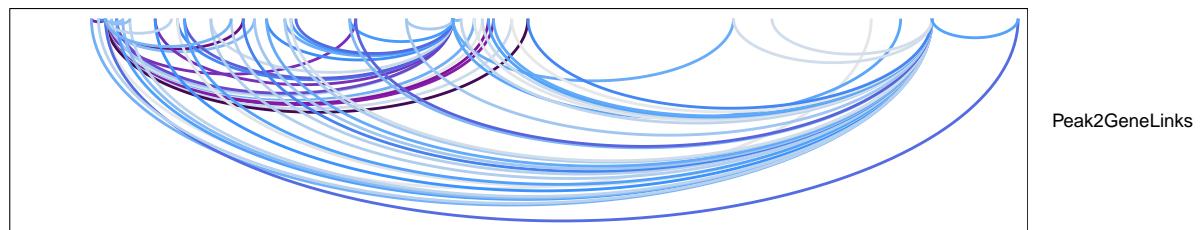
Genes

chr19:17220593–17321094 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.43) by ReadsInTSS)

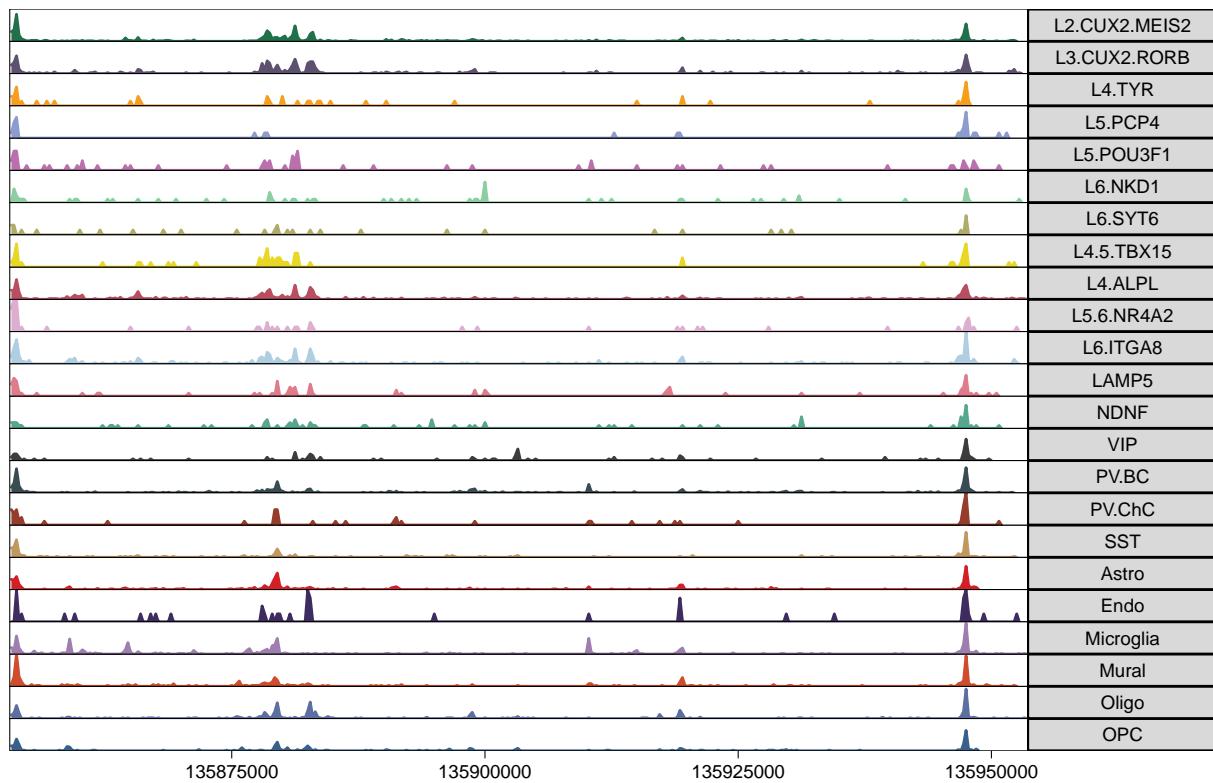


17225000 17250000 17275000 17300000



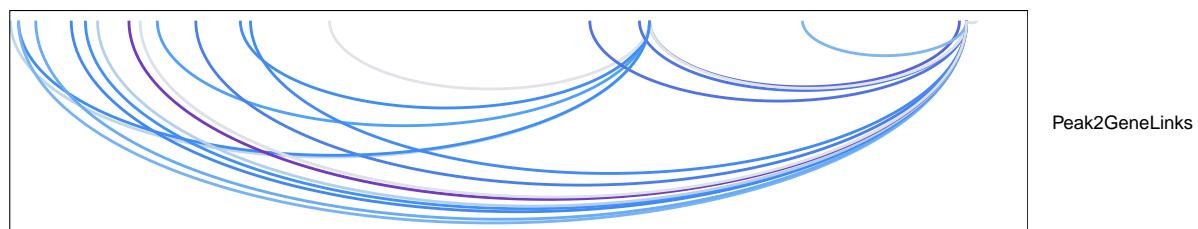
chr7:135853084–135953585 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.59) by ReadsInTSS)



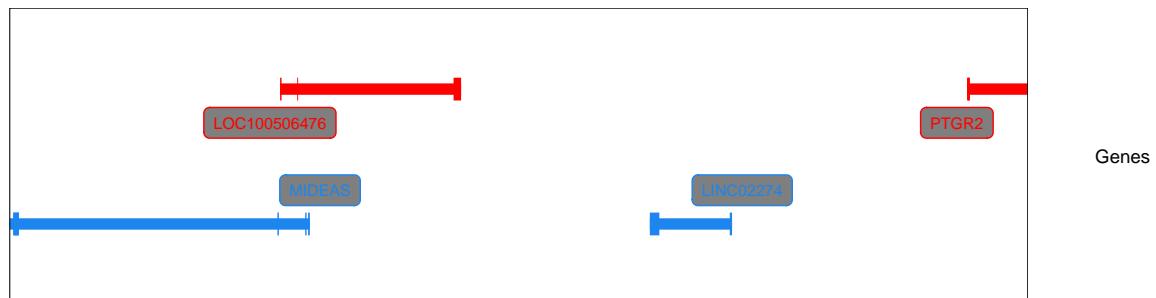
135875000 135900000 135925000 135950000

VIP - Peaks



value
0.8
0.6
0.4
0.2

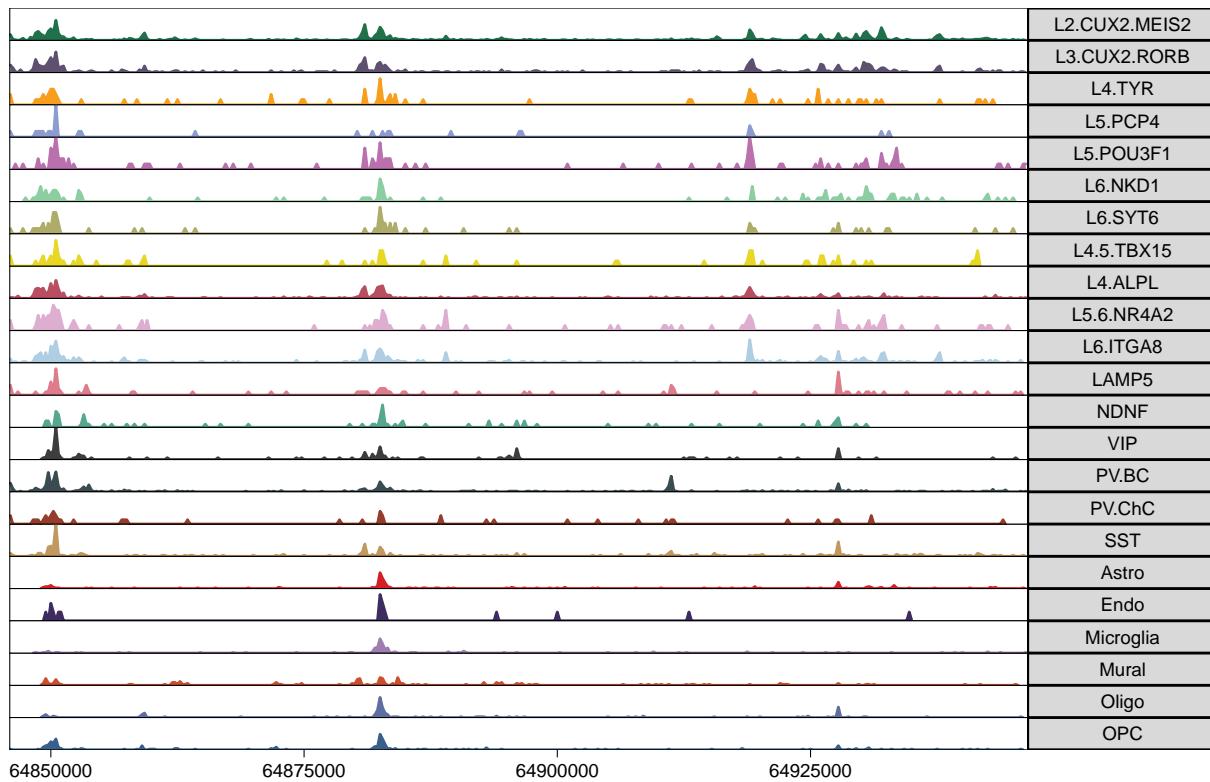
Peak2GeneLinks



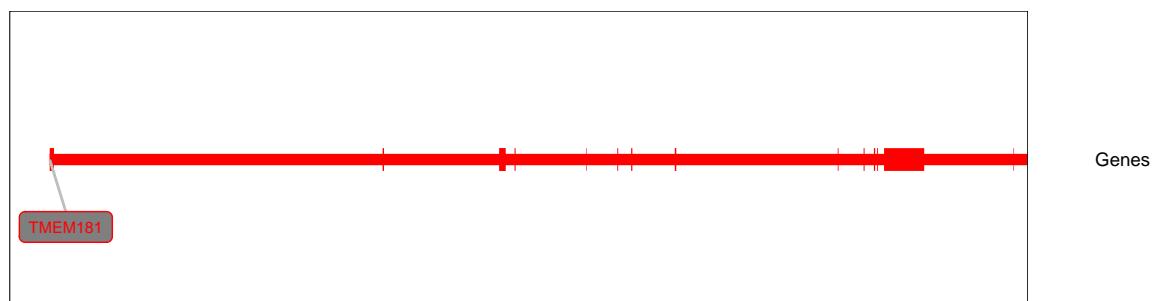
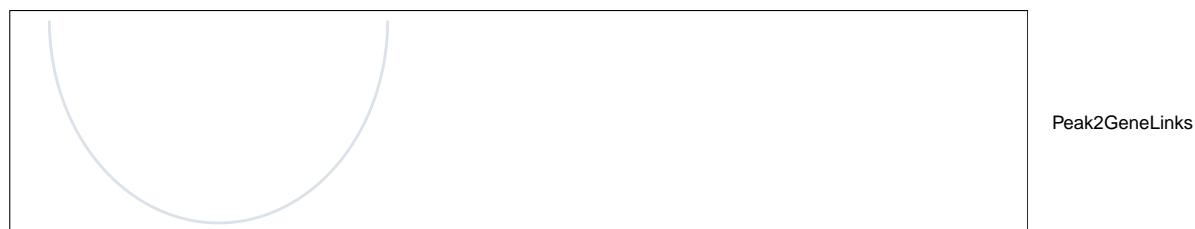
Genes

chr4:64845942–64946443 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.44) by ReadsInTSS)

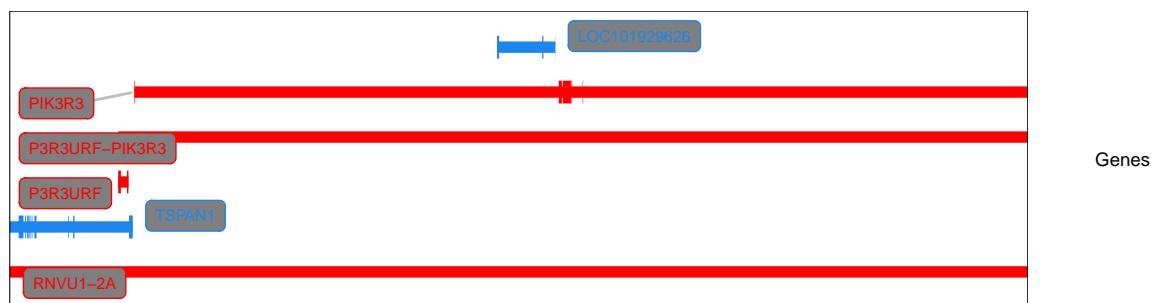
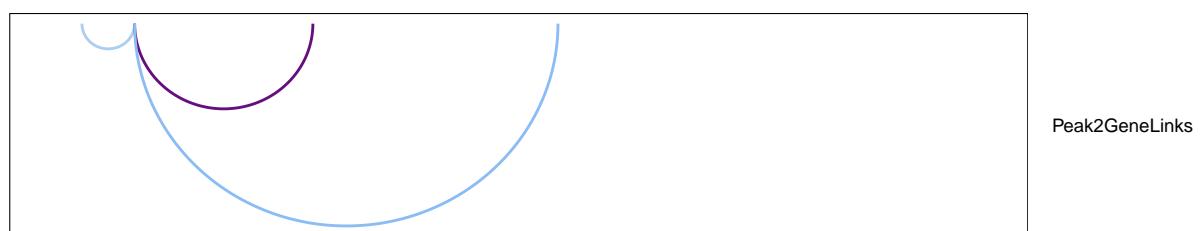
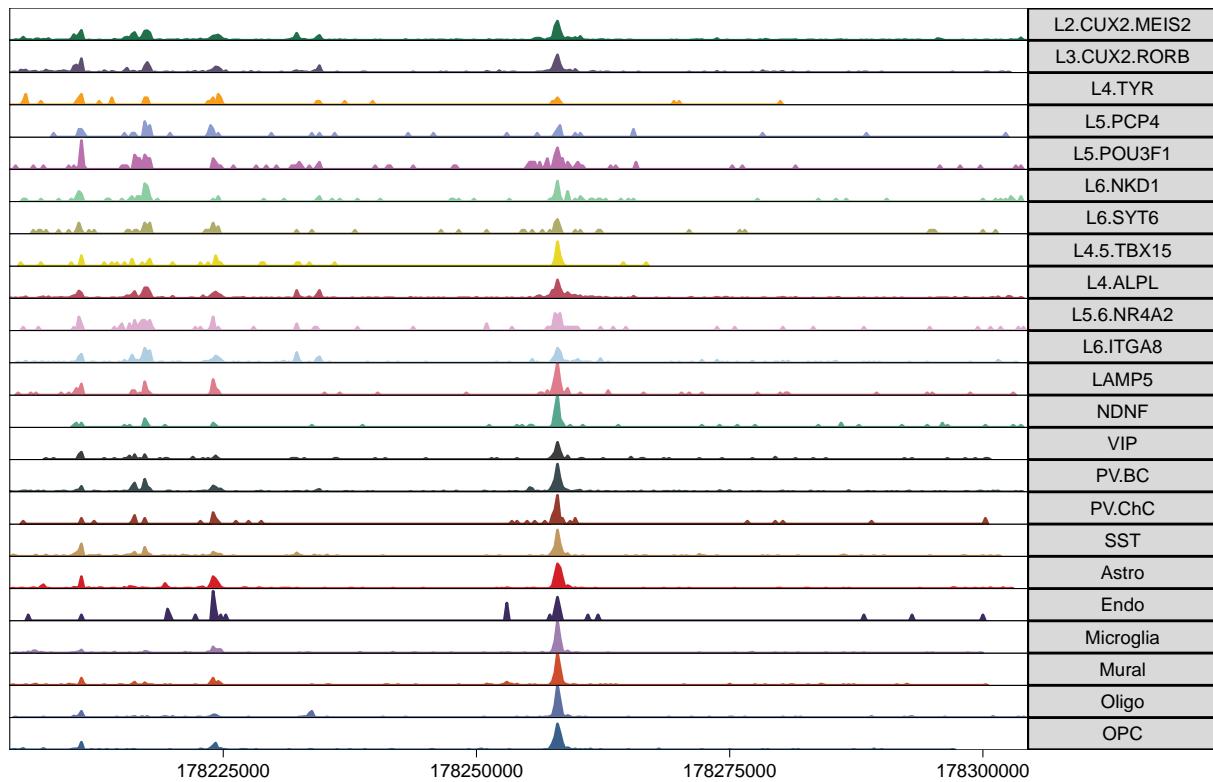


64850000 64875000 64900000 64925000

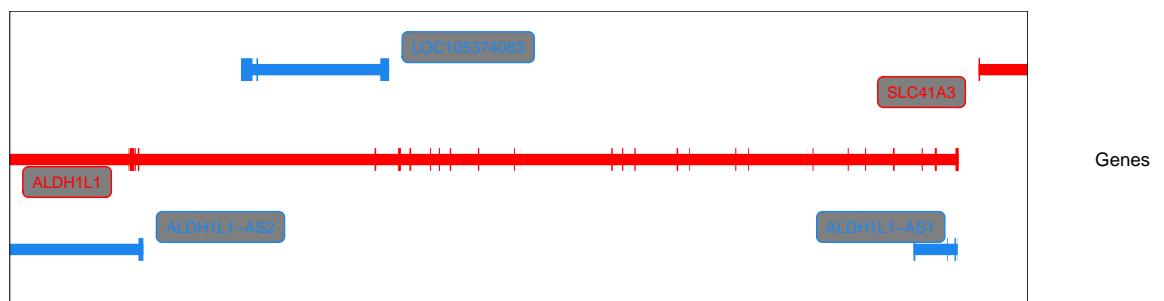
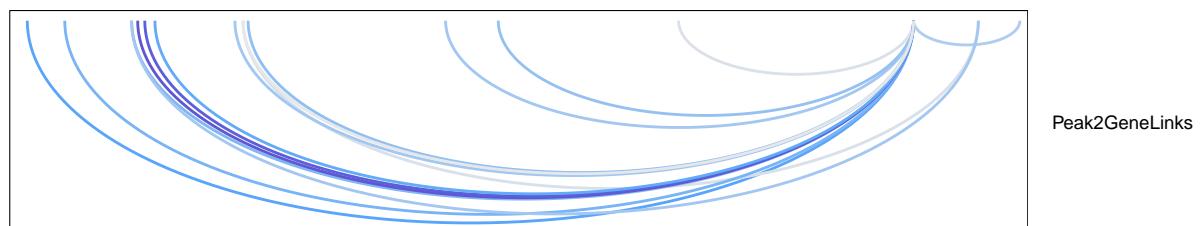
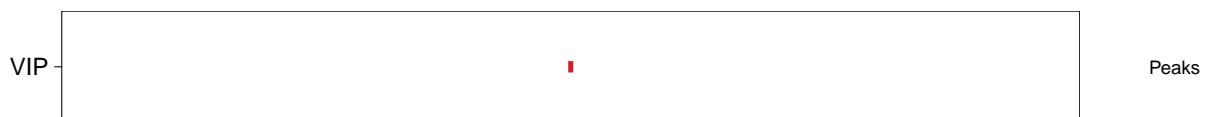
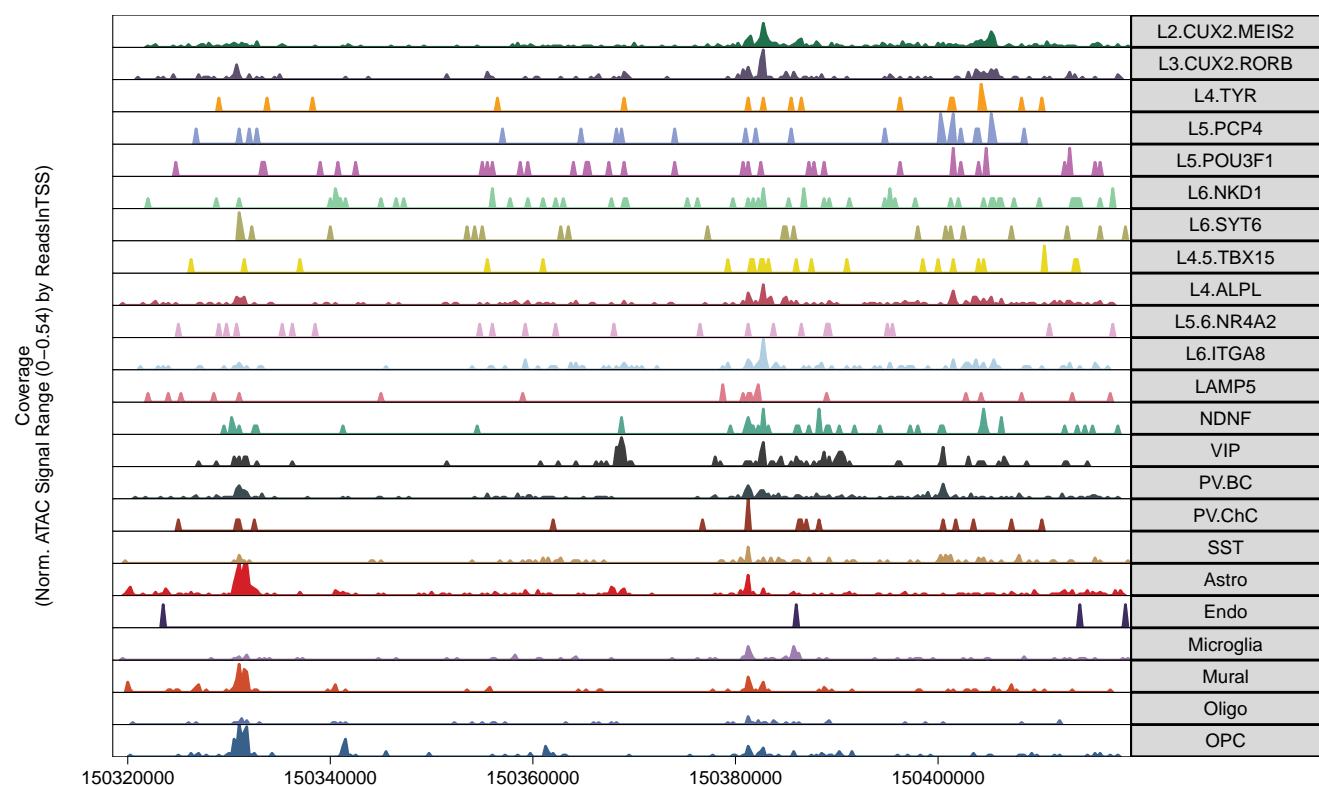


chr1:178203922–178304423 Marker Peak Tracks for: VIP

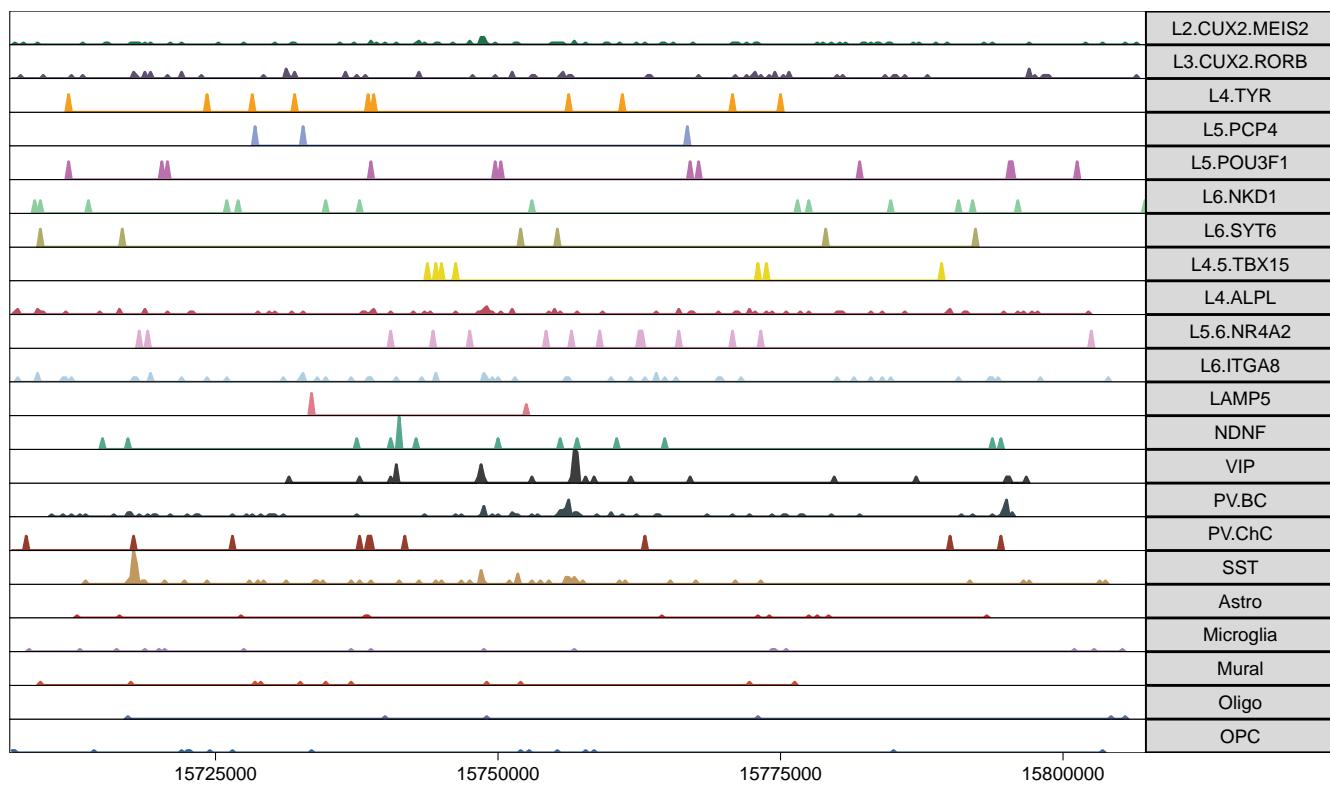
Coverage
(Norm. ATAC Signal Range (0–213) by ReadsInTSS)



chr2:150318520–150419021 Marker Peak Tracks for: VIP



chr3:15706791–15807292 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.45) by ReadsInTSS)

15725000 15750000 15775000 15800000

VIP

Peaks

LoopTrack

Genes

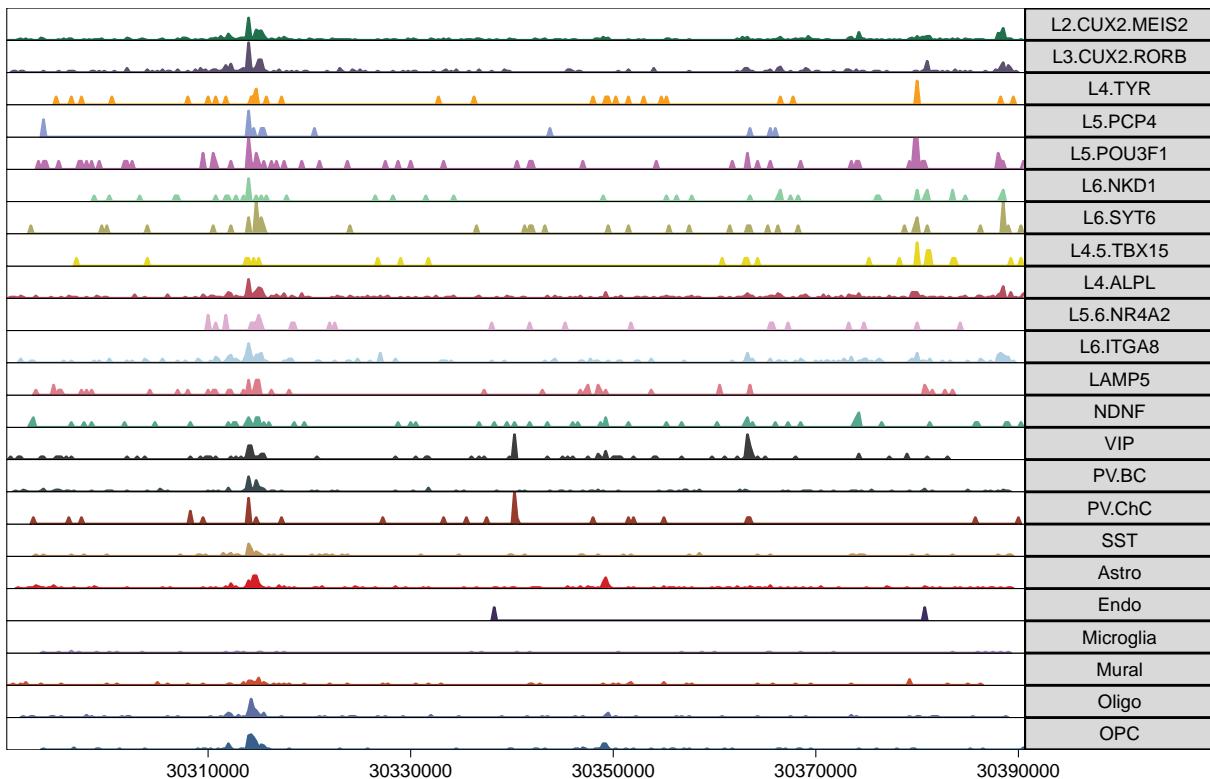
KRTAP21-1

LOC112267897

KRTAP21-2

chr3:30290122–30390623 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.95) by ReadsInTSS)

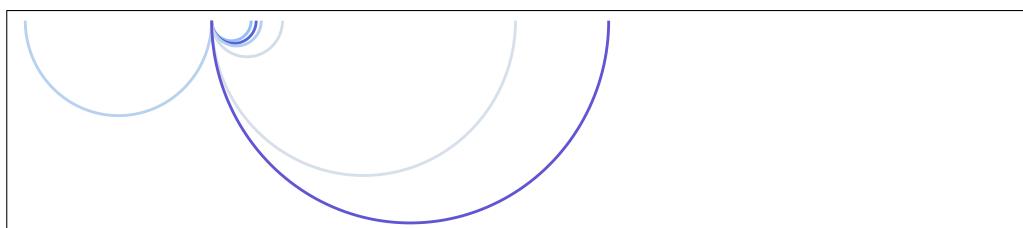


30310000 30330000 30350000 30370000 30390000

VIP - Peaks



Peak2GeneLinks



MIRLET7C MIR90A

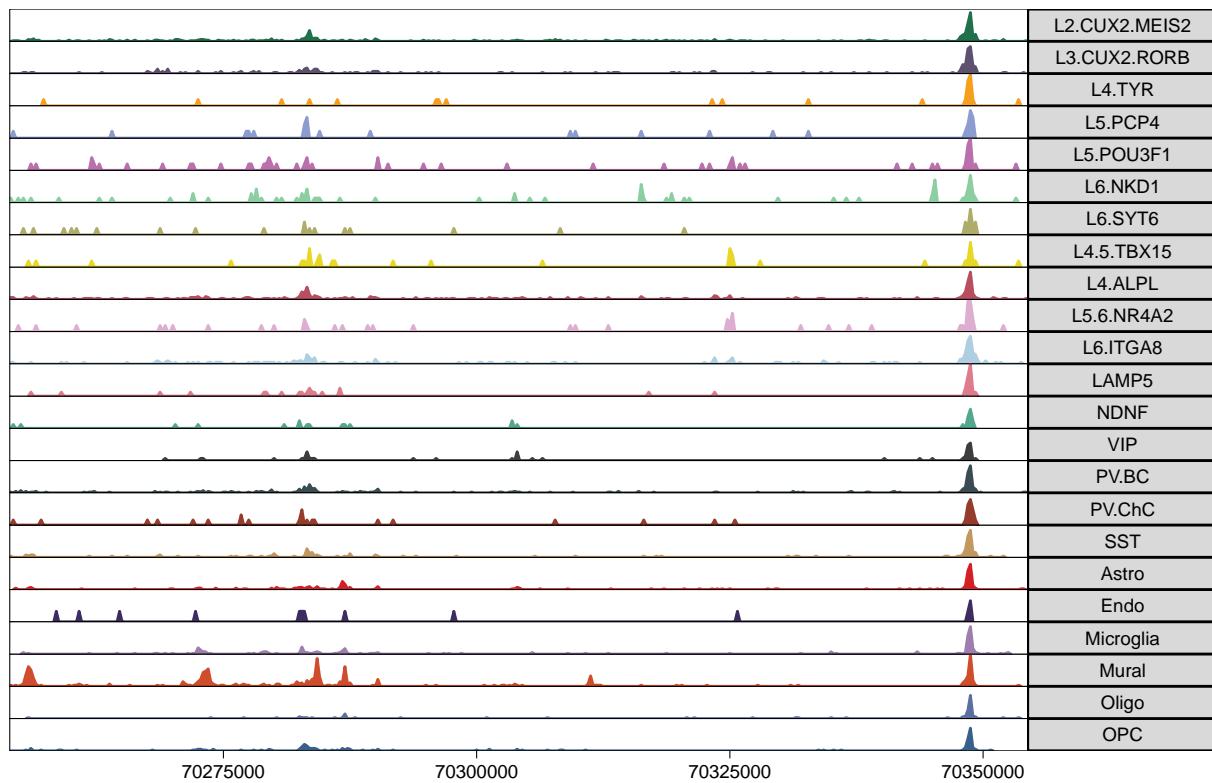
Genes

MIR29AHG

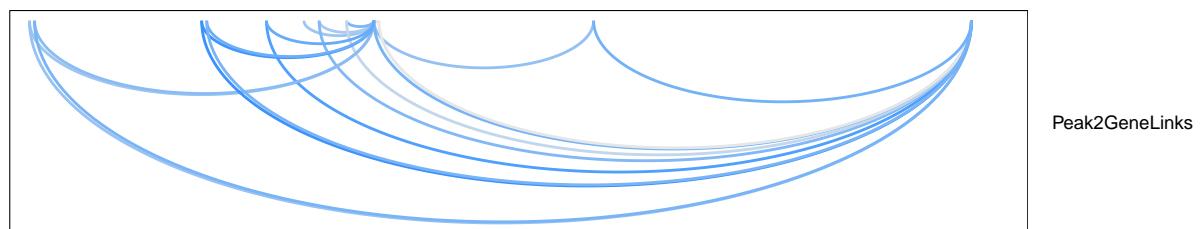


chr6:70253905–70354406 Marker Peak Tracks for: VIP

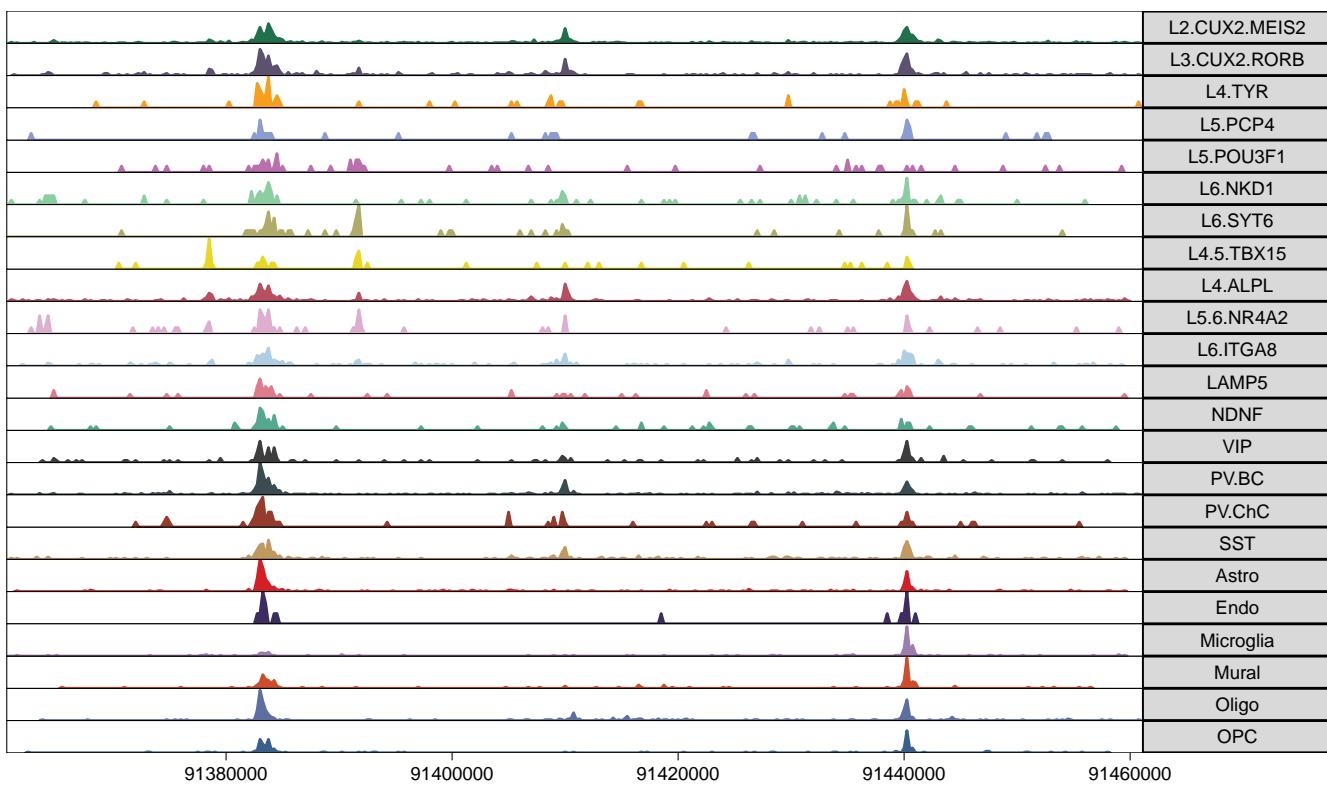
Coverage
(Norm. ATAC Signal Range (0-1.2) by ReadsInTSS)



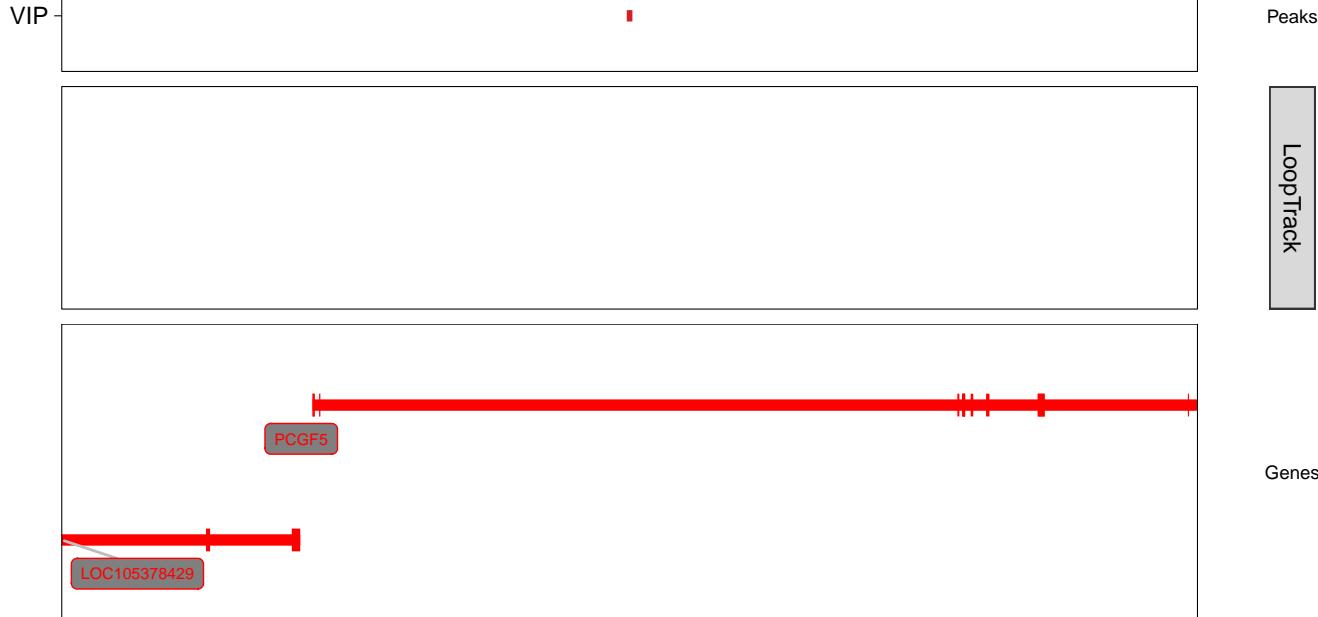
70275000 70300000 70325000 70350000



chr9:91360589–91461090 Marker Peak Tracks for: VIP

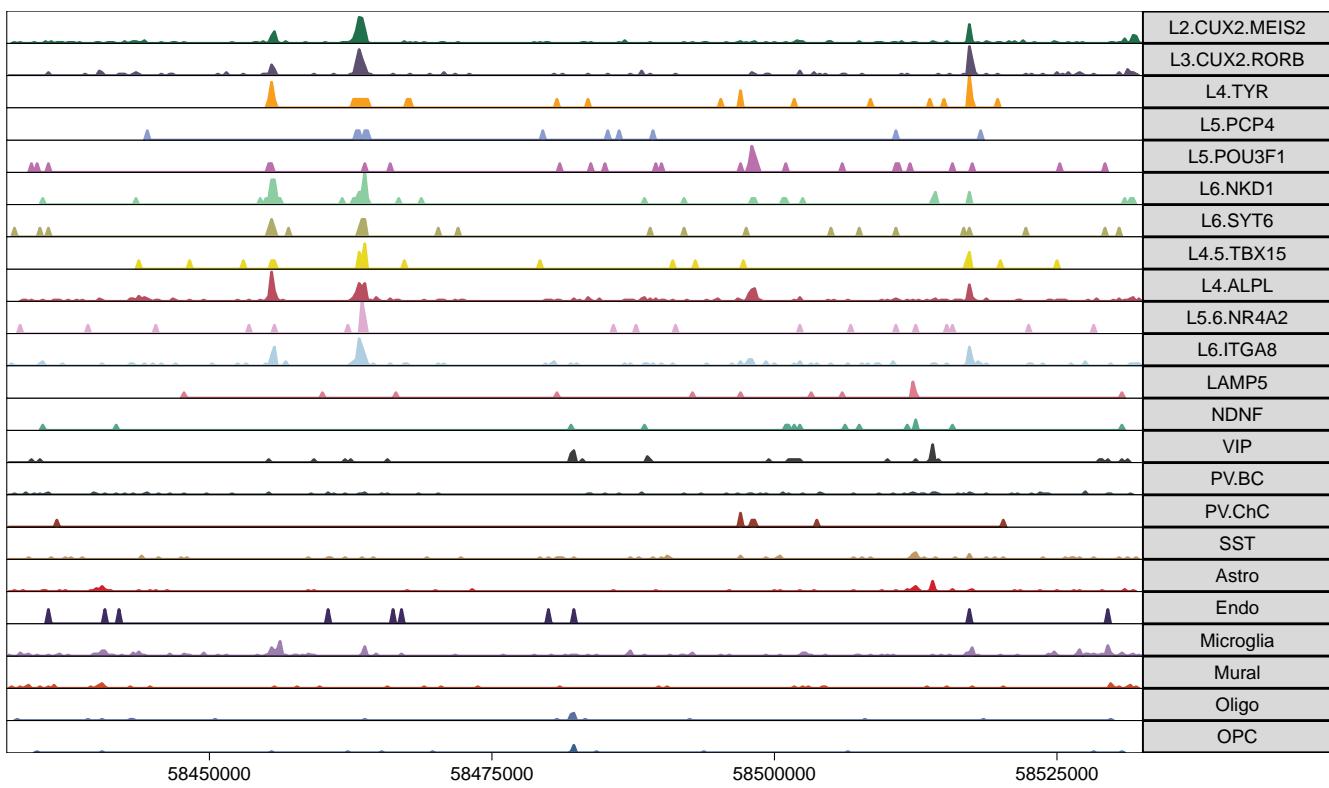
Coverage
(Norm. ATAC Signal Range (0–1.23) by ReadsInTSS)

91380000 91400000 91420000 91440000 91460000



chr17:58432064–58532565 Marker Peak Tracks for: VIP

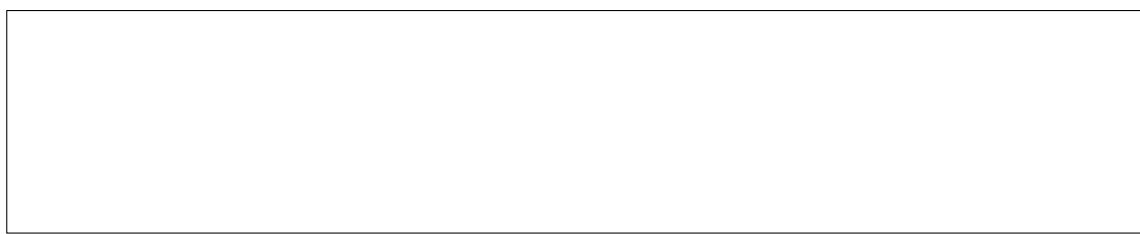
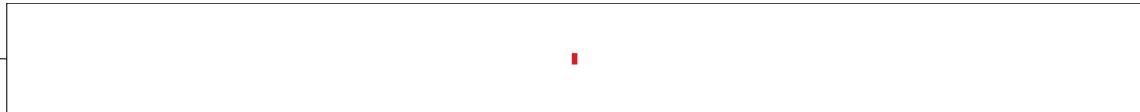
Coverage
(Norm. ATAC Signal Range (0–0.88) by ReadsInTSS)



VIP

Peaks

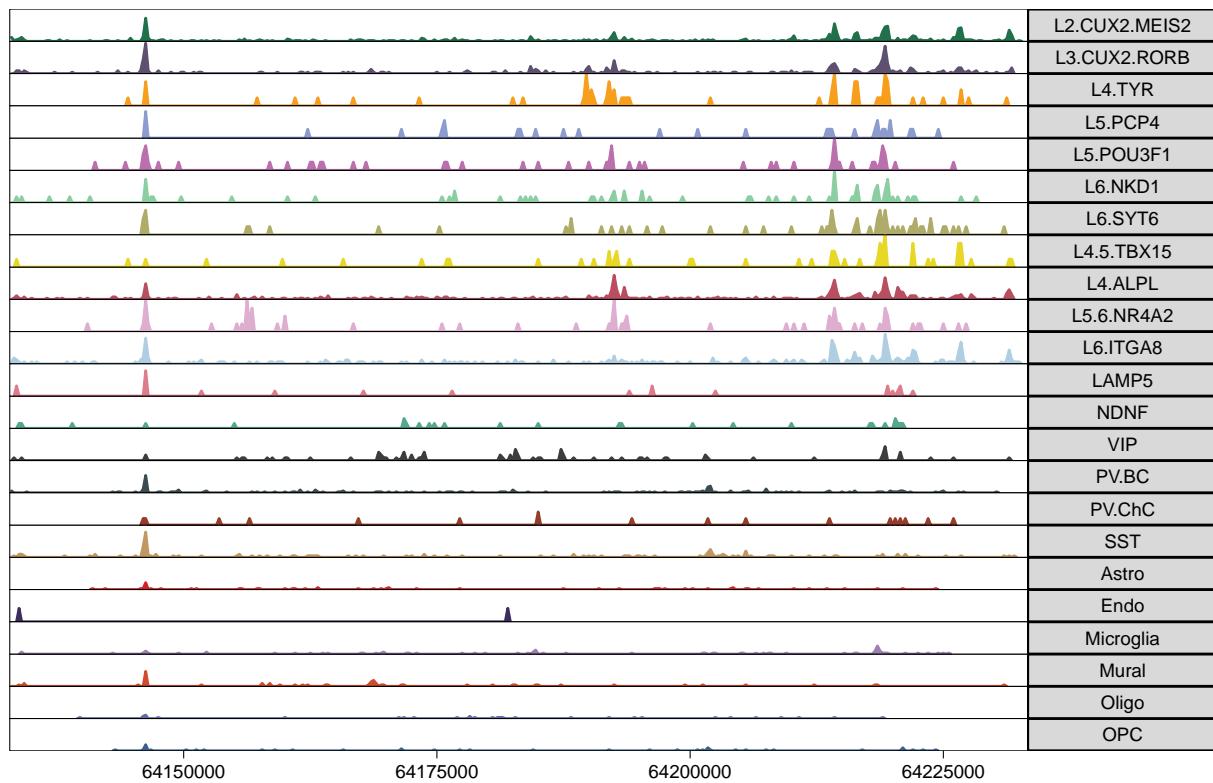
LoopTrack



Genes

chr10:64132828–64233329 Marker Peak Tracks for: VIP

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

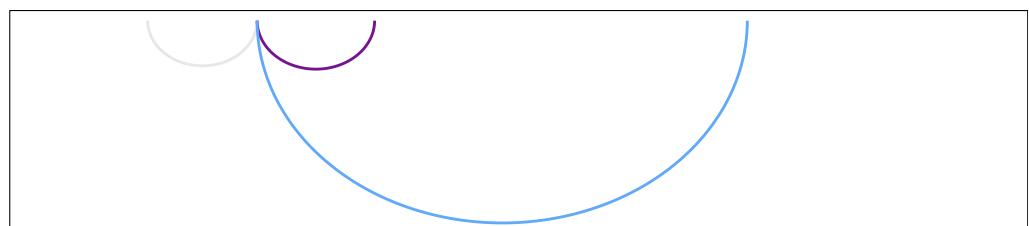


64150000 64175000 64200000 64225000

VIP - Peaks



Peak2GeneLinks

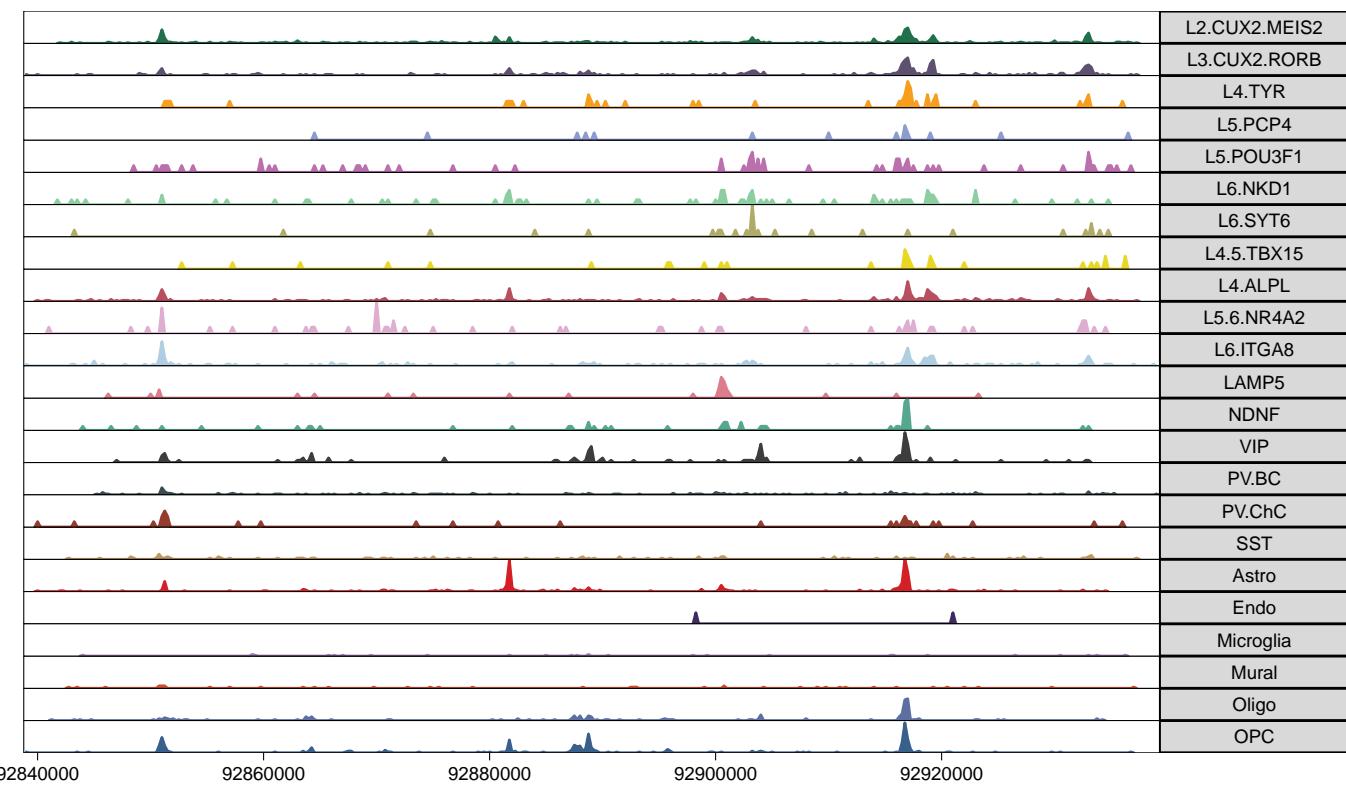


LOC105372503

TGM3

Genes

chr13:92838774–92939275 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.14) by ReadsInTSS)

VIP

Peaks

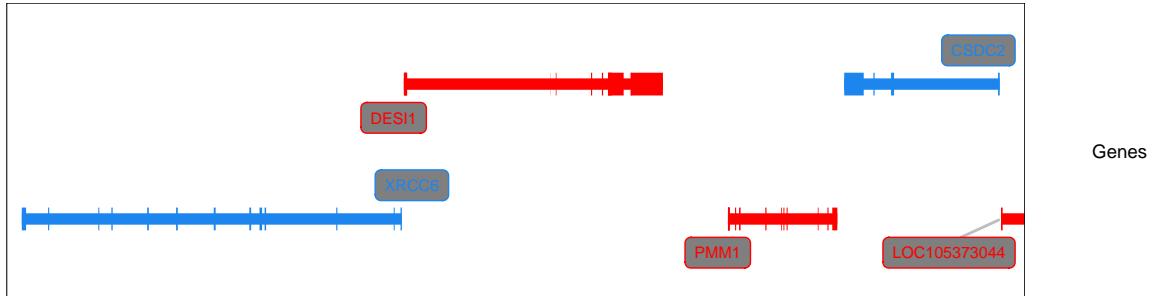
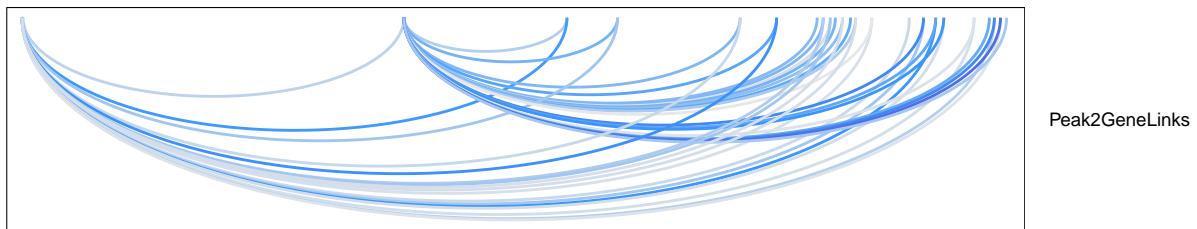
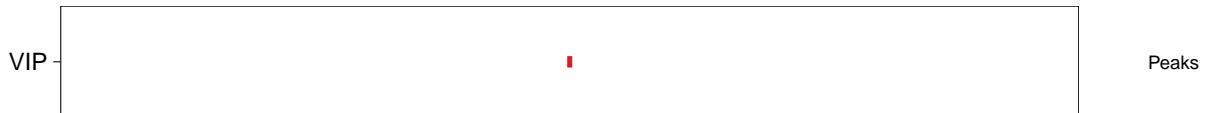
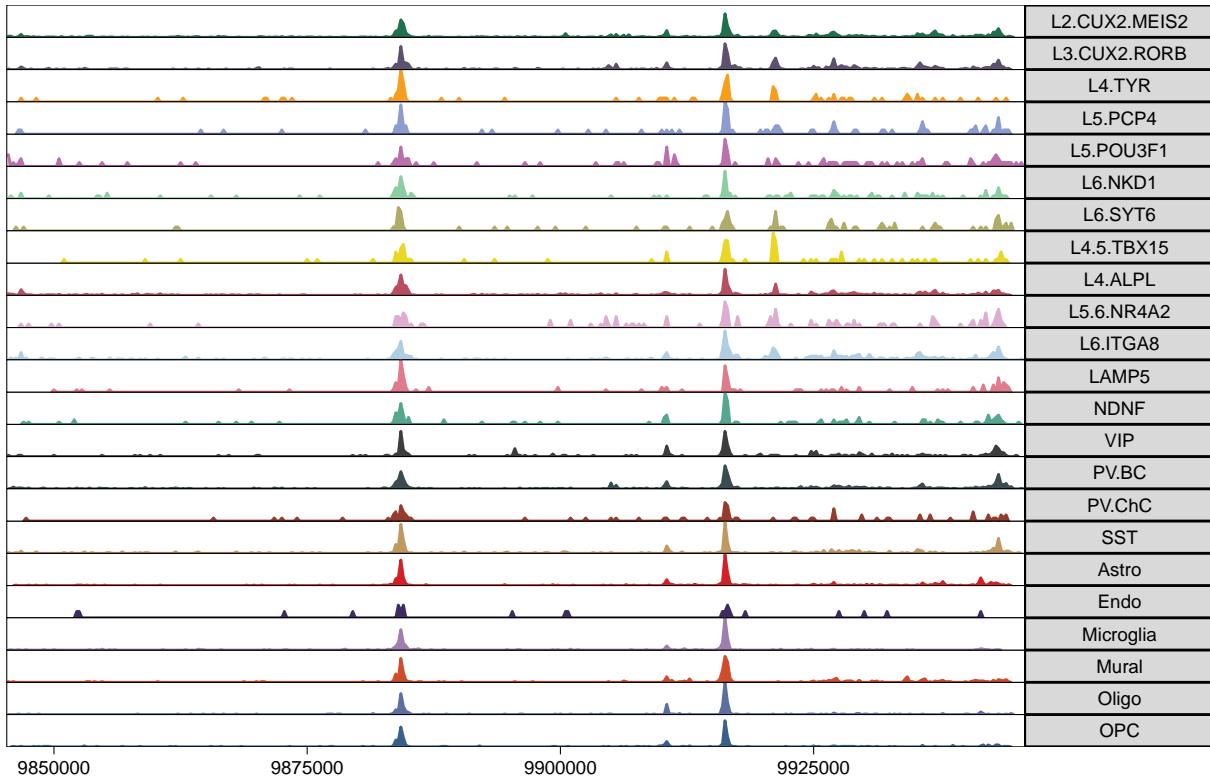
LoopTrack

GACAT3

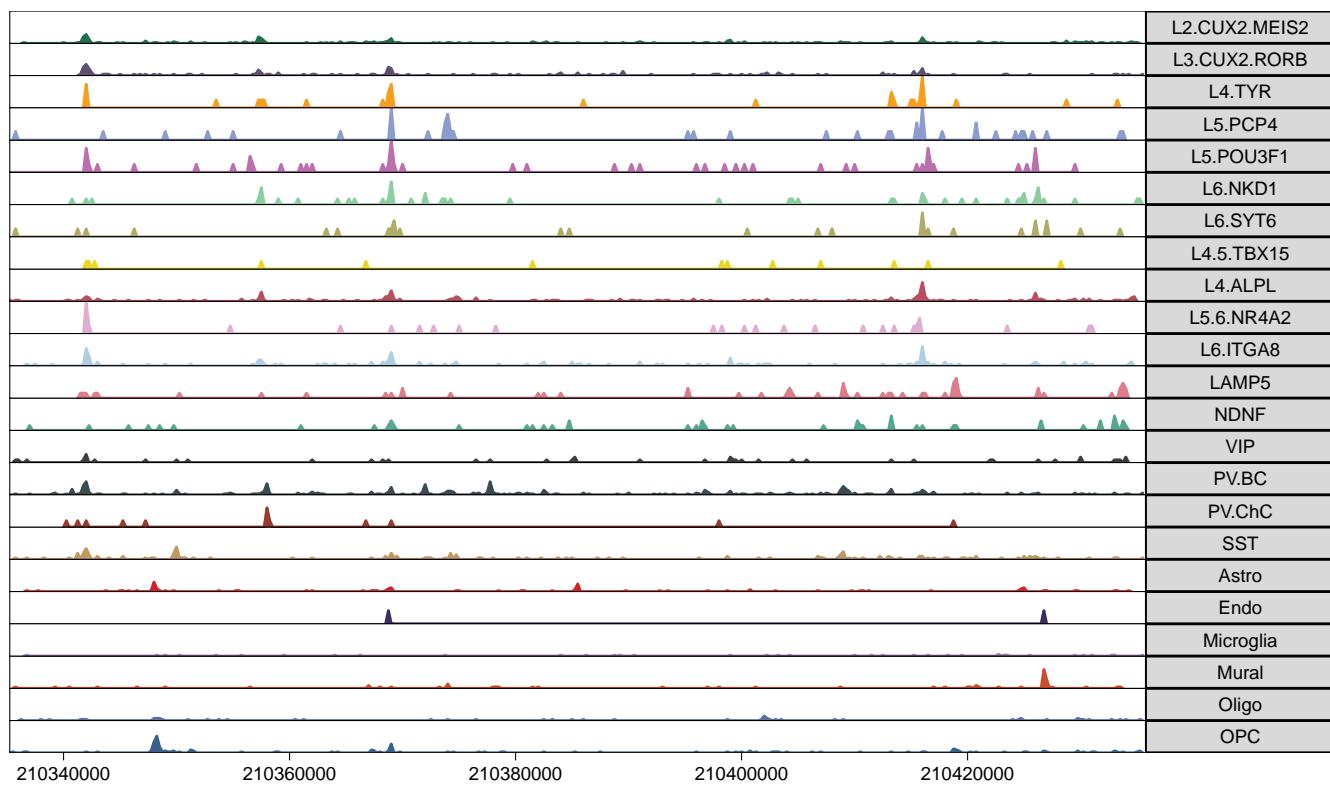
Genes

chr10:9845339–9945840 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.98) by ReadsInTSS)



chr1:210335237-210435738 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–0.96) by ReadsInTSS)

210340000 210360000 210380000 210400000 210420000

VIP

Peaks

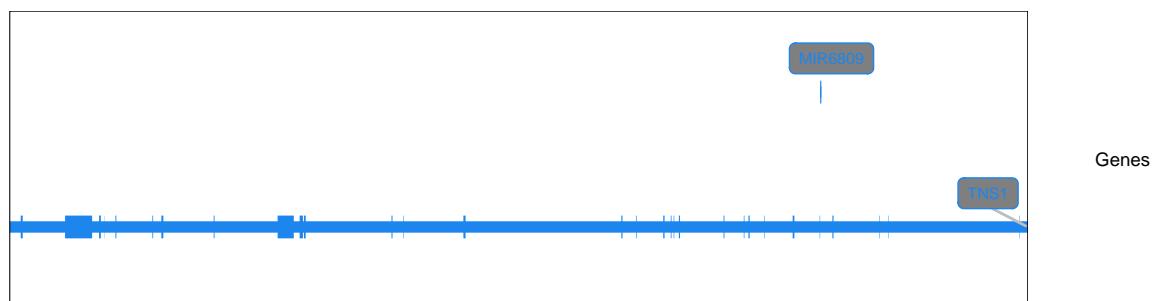
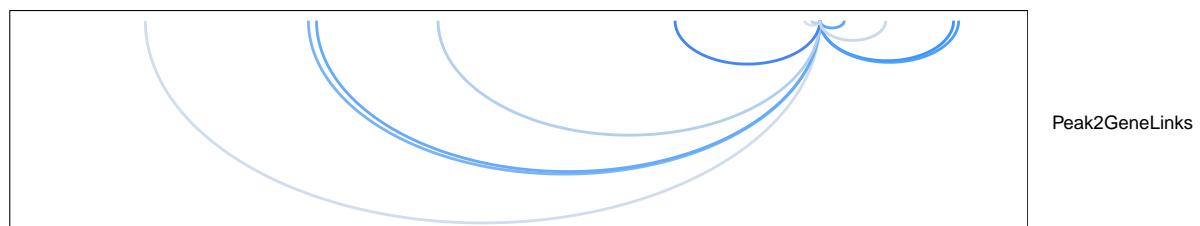
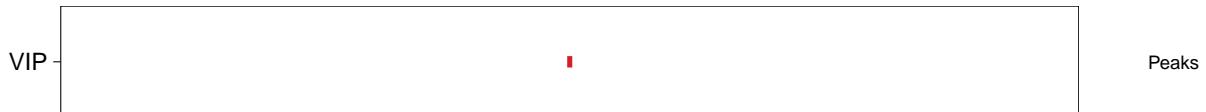
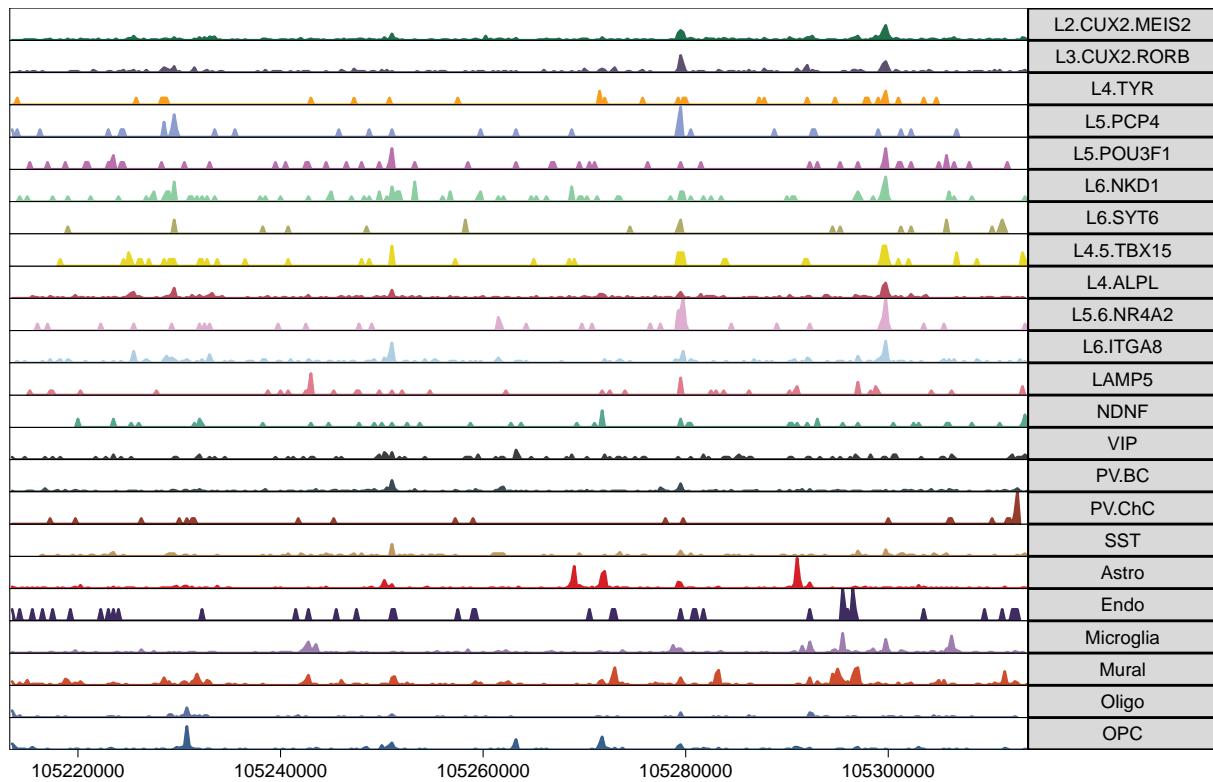
LoopTrack

KAZN

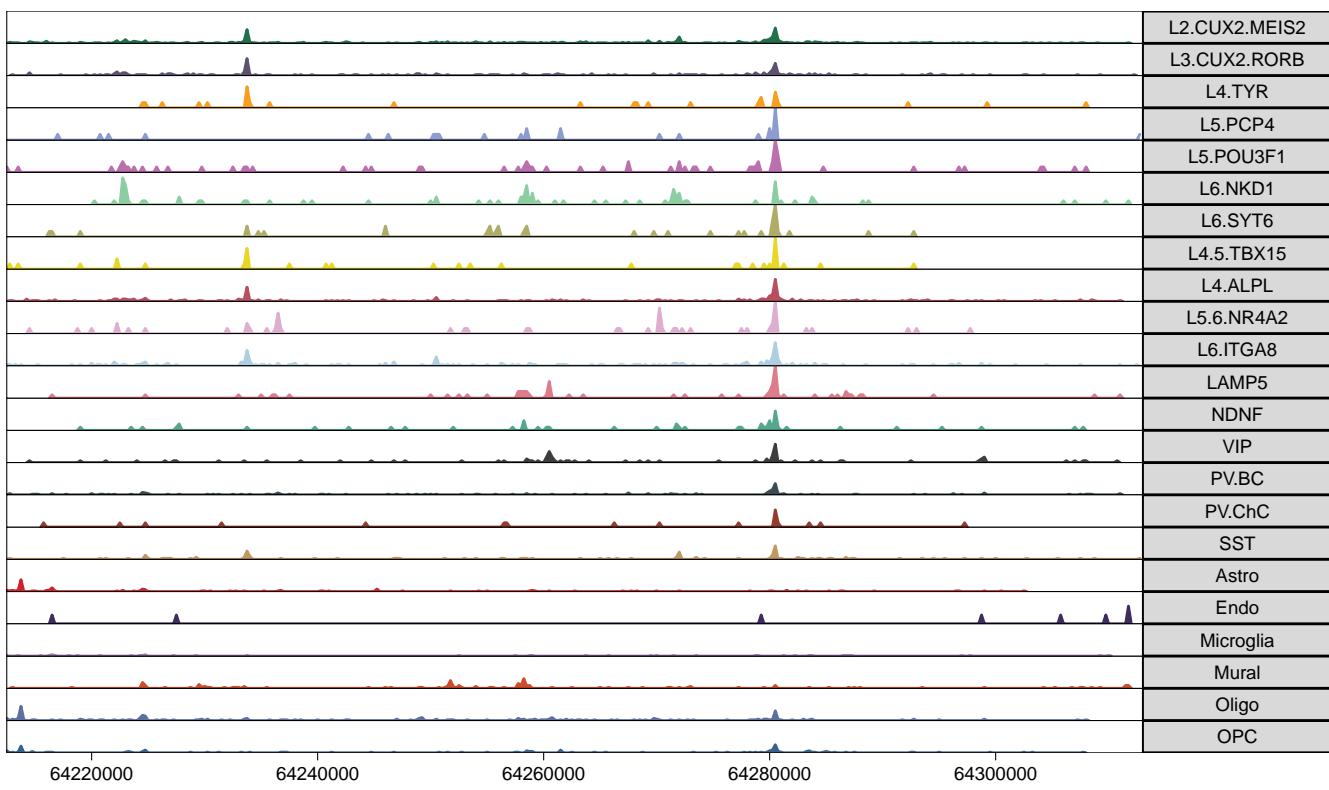
Genes

chr12:105213266–105313767 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0-1.1) by ReadsInTSS)



chr3:64212488–64312989 Marker Peak Tracks for: VIP

Coverage
(Norm. ATAC Signal Range (0–1.43) by ReadsInTSS)

64220000 64240000 64260000 64280000 64300000

