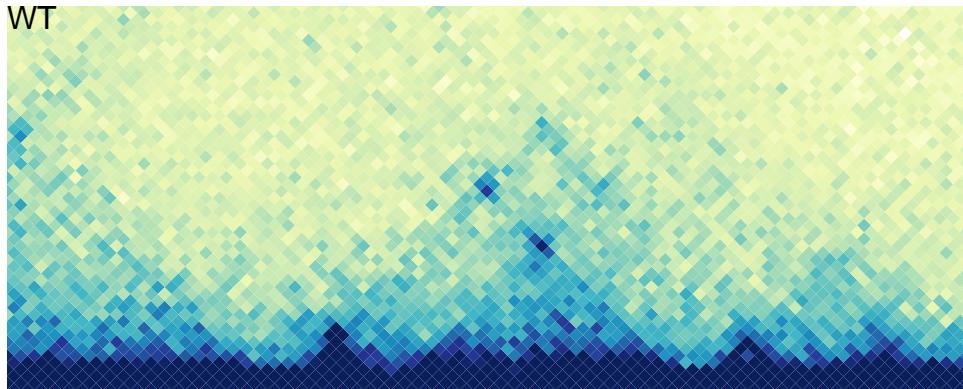
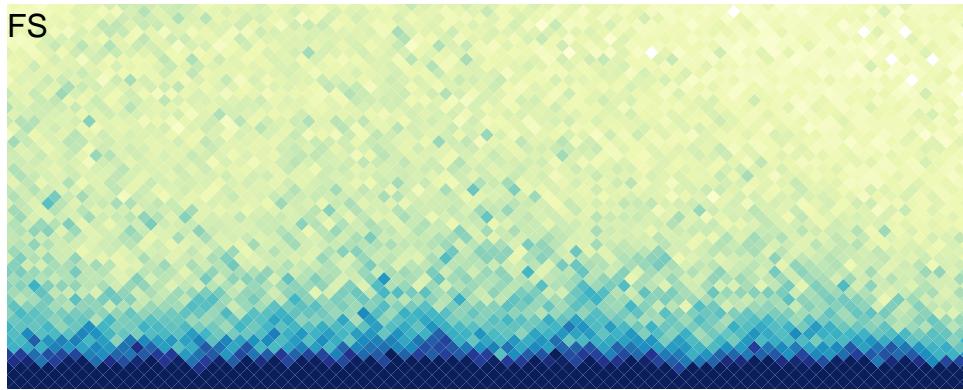


WT



FS



BNC2-AS1

LOC105375983

+

-

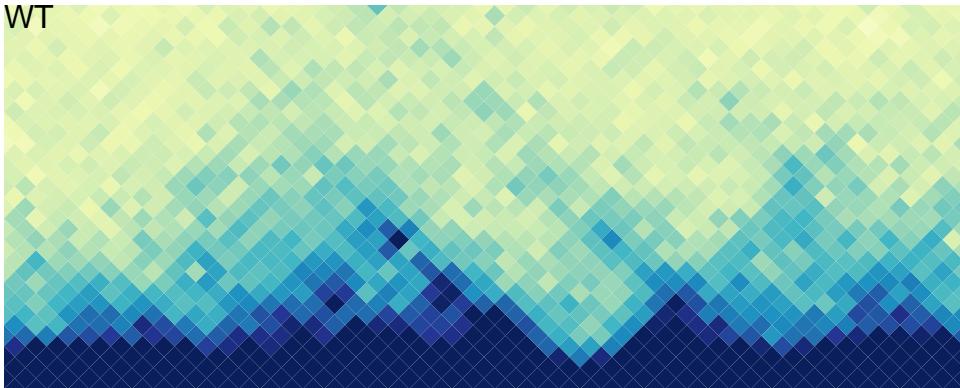
BNC2

~16.4 Mb

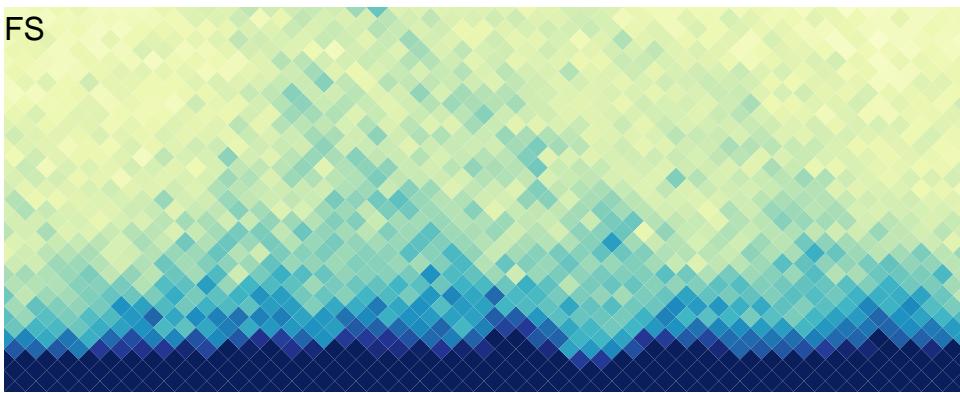
chr9

~17.1 Mb

WT



FS

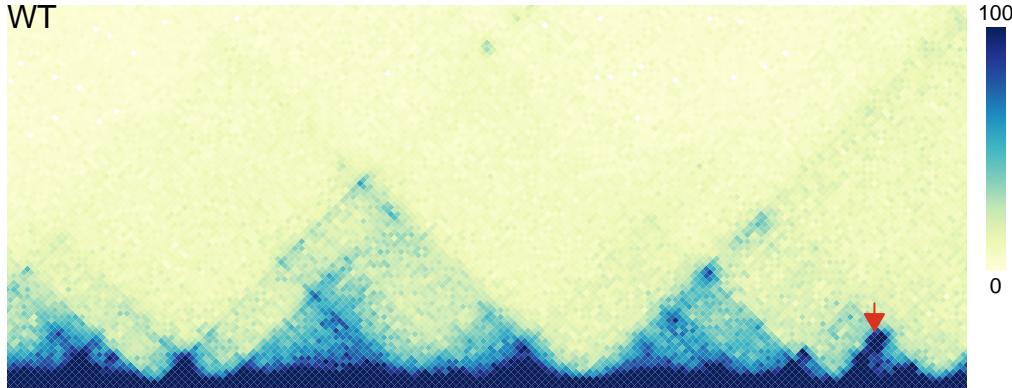


~80.4 Mb

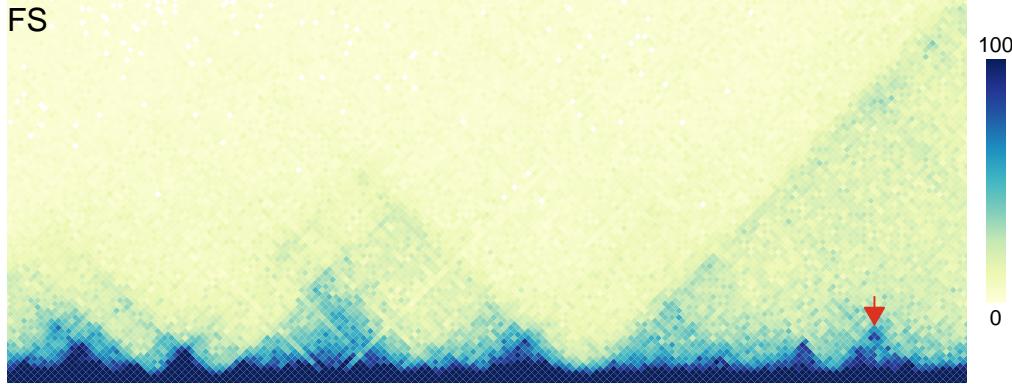
chr9

~80.8 Mb

WT



FS



LRSAM1 STXBP1 CDK9

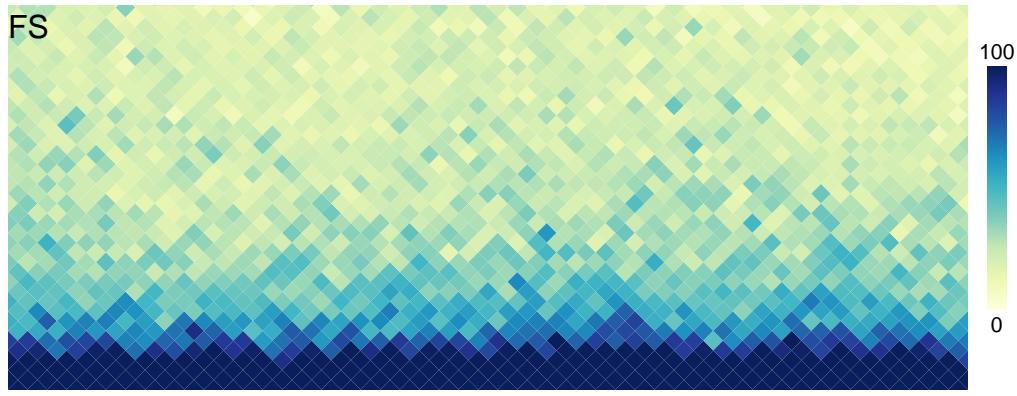
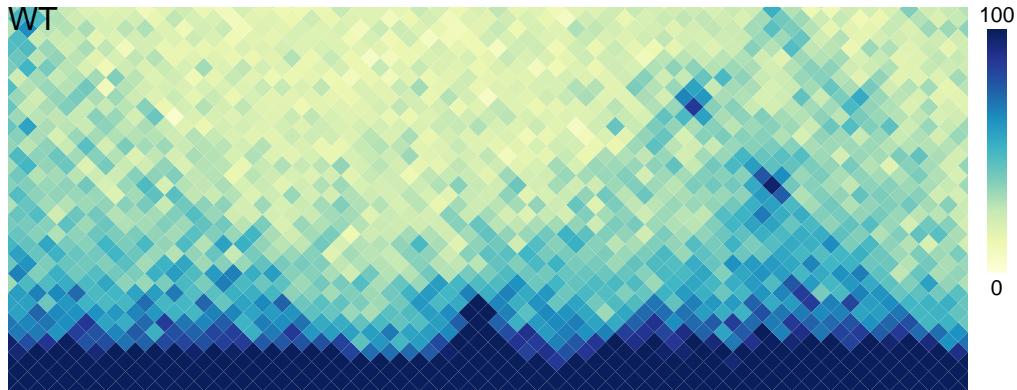
LCN2 SLC27A4 ODF2 SPTAN1



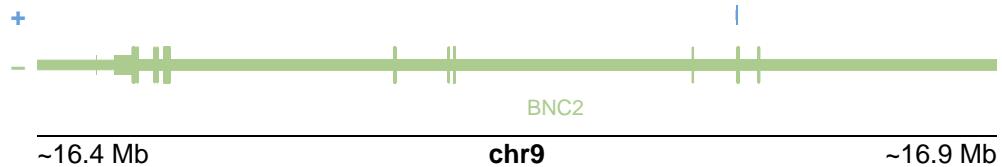
~127.3 Mb

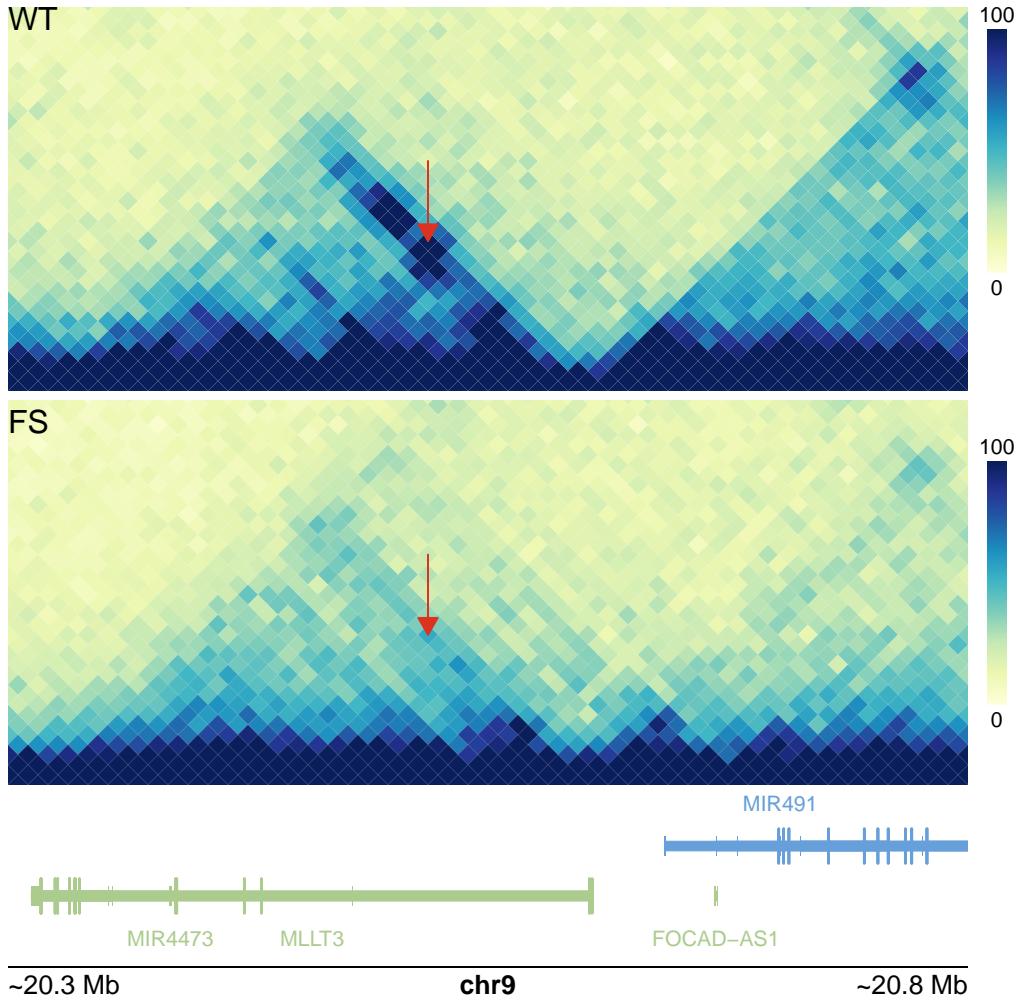
chr9

~128.7 Mb

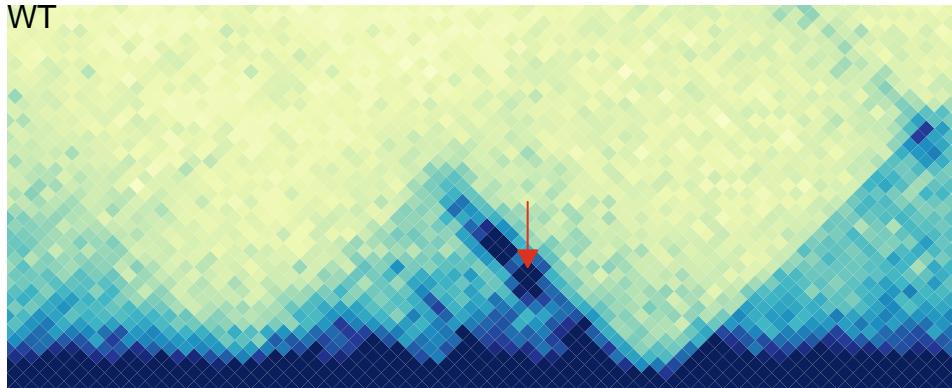


BNC2-AS1

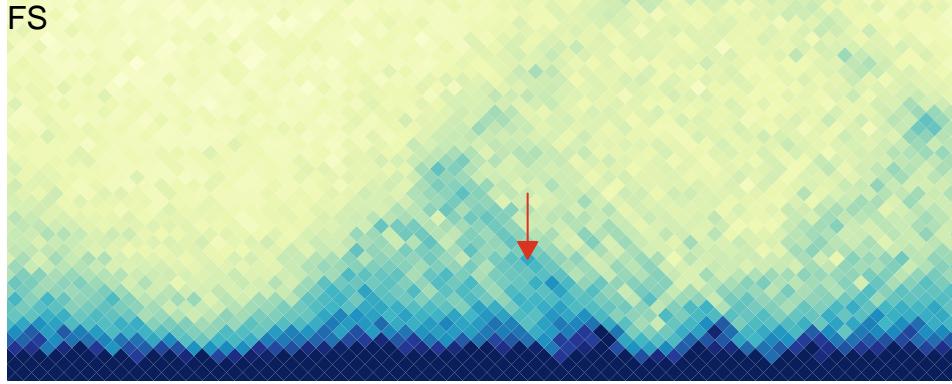




WT



FS



MIR491

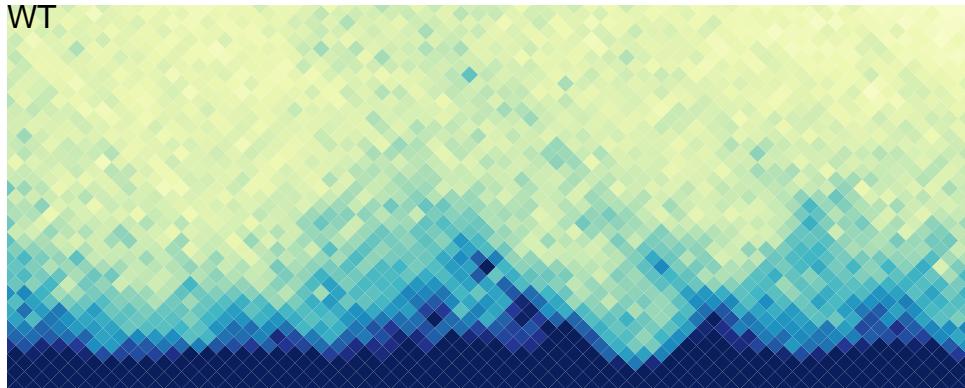


~20.2 Mb

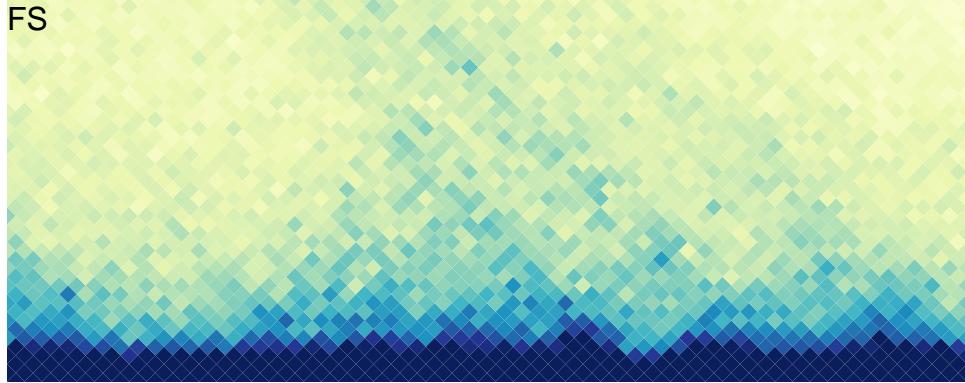
chr9

~20.8 Mb

WT



FS

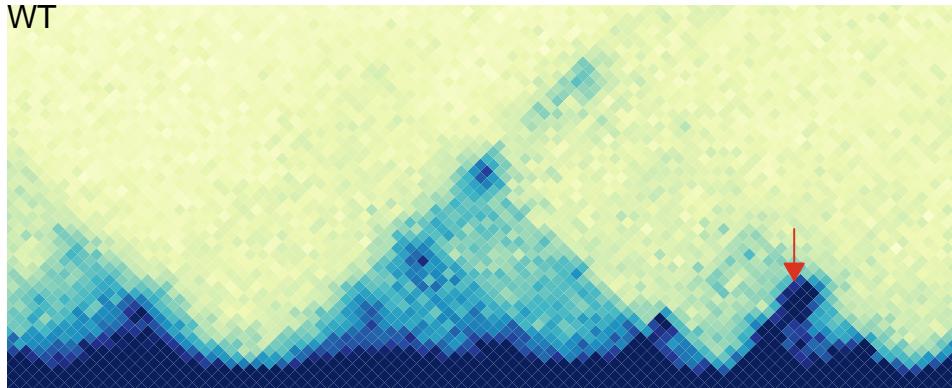


~80.3 Mb

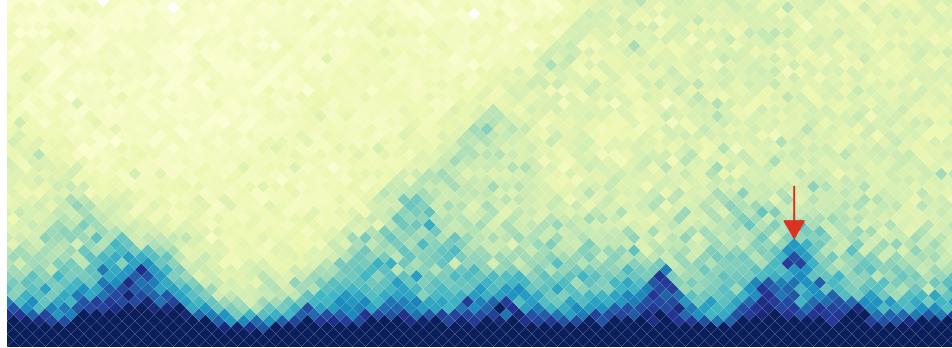
chr9

~80.8 Mb

WT



FS

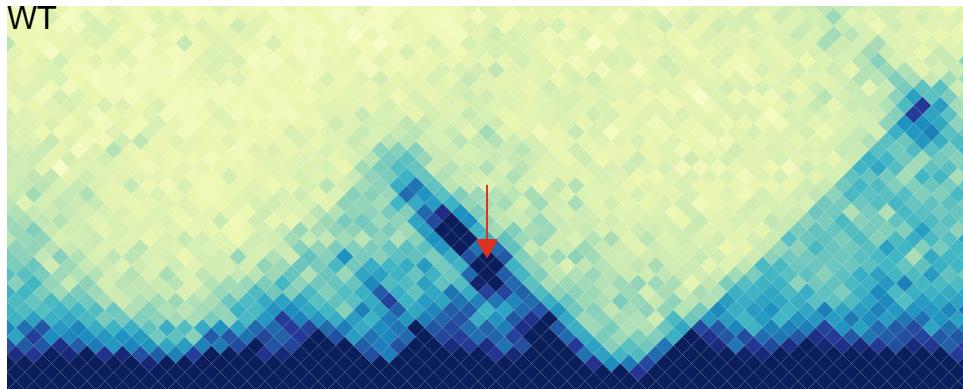


~128 Mb

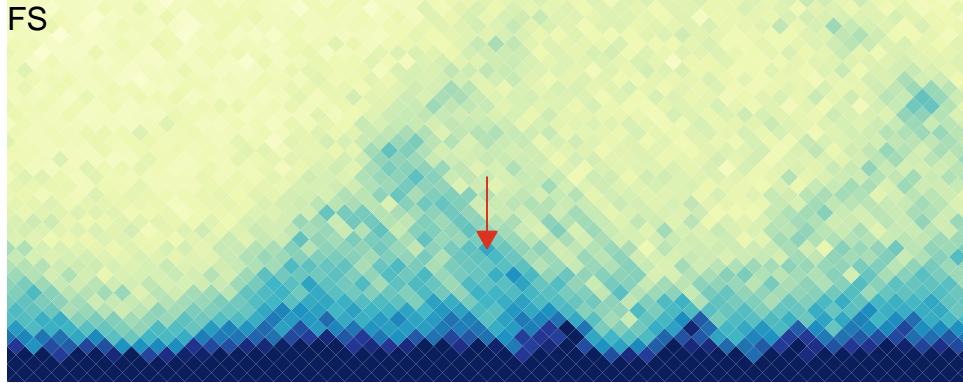
chr9

~128.7 Mb

WT



FS



MIR491

+

-

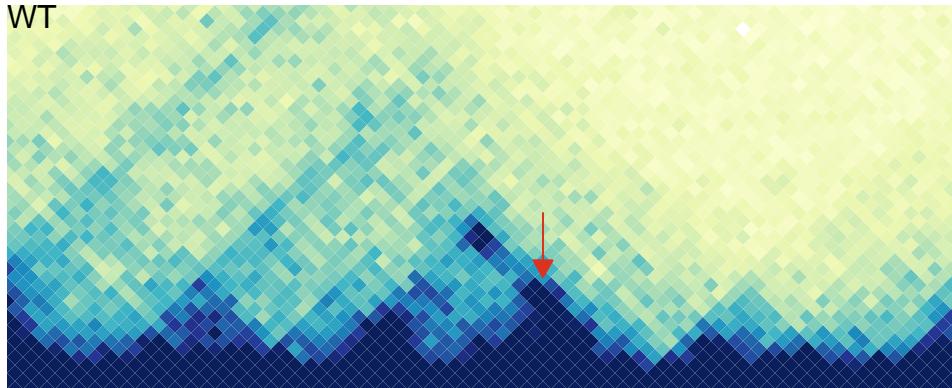


~20.3 Mb

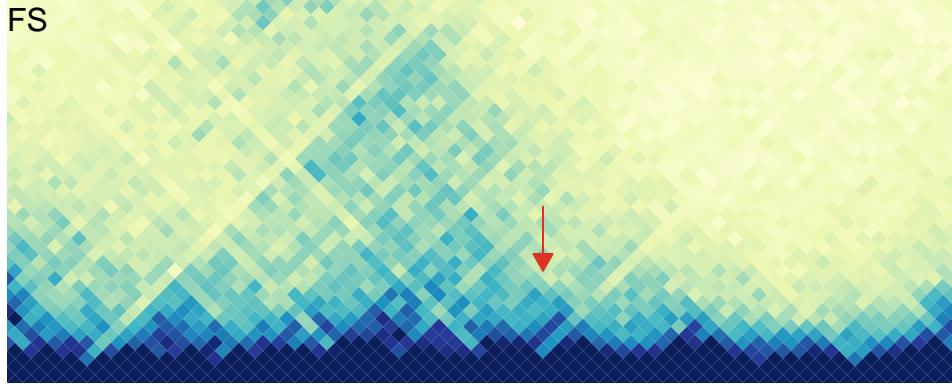
chr9

~20.8 Mb

WT



FS



LOC105376032 EBLN3P

ZCCHC7

GRHPR POLR1E



LOC105376034

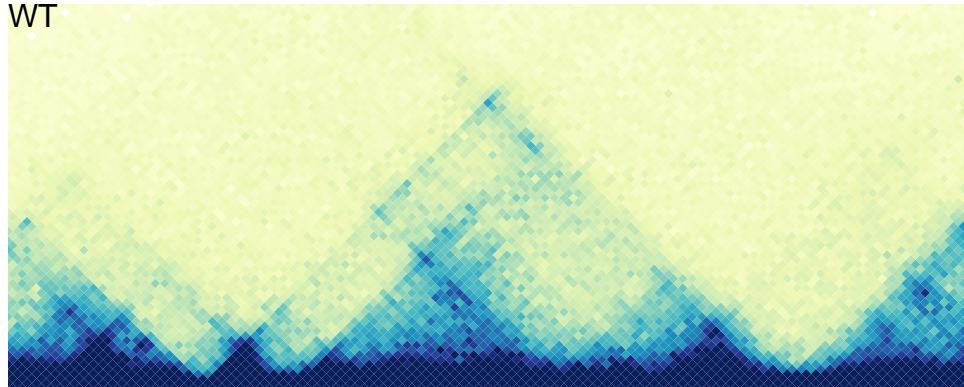
ZBTB5

~36.9 Mb

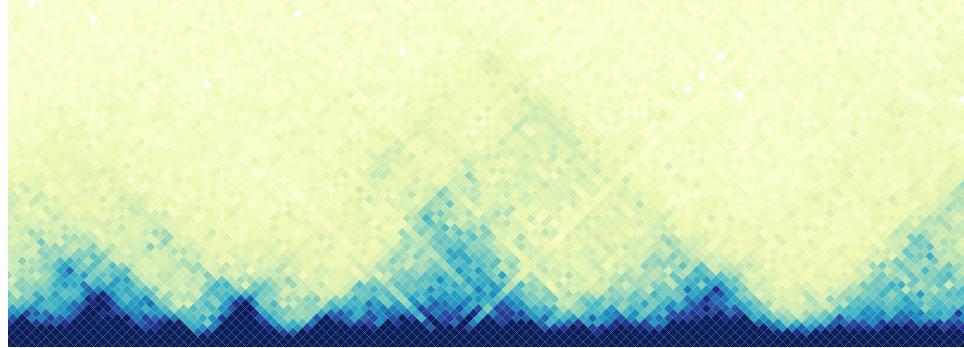
chr9

~37.5 Mb

WT



FS



LRSAM1

STXBP1 TTC16 CDK9

LOC124902280

LCN2 DNM1

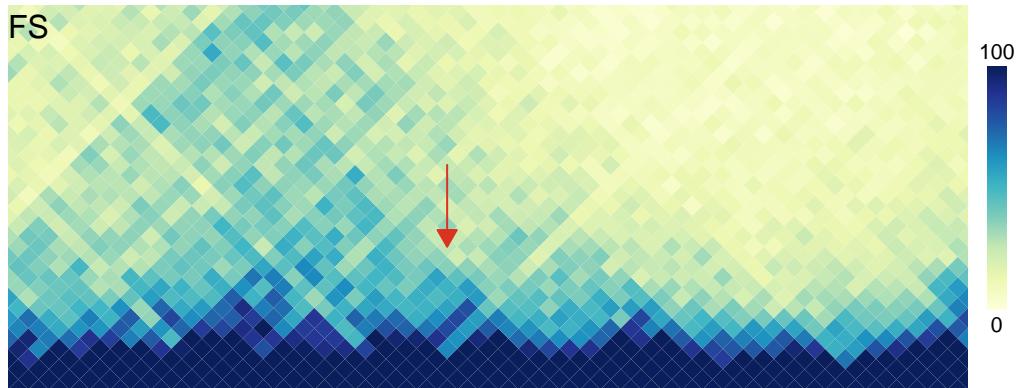
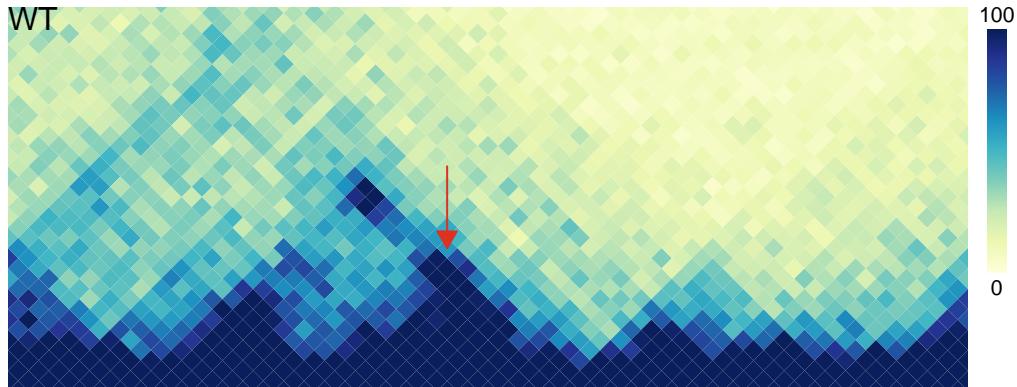
+



~127.3 Mb

chr9

~128.3 Mb



EBLN3P

ZCCHC7

GRHPR

POLR1E

+



-



LOC105376034

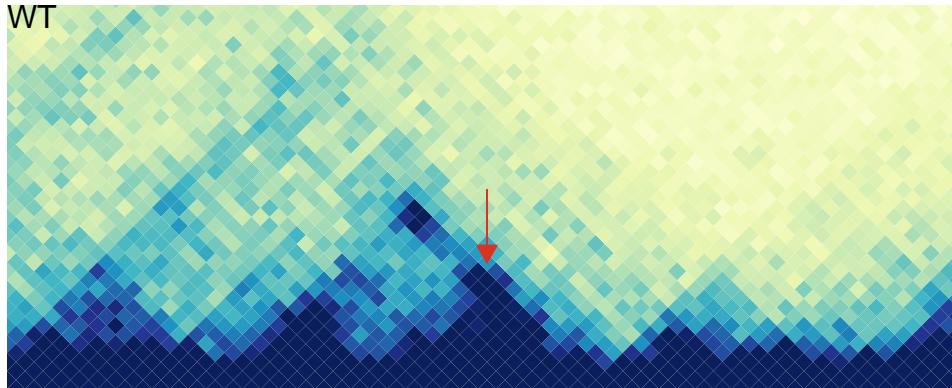
ZBTB5

~37.1 Mb

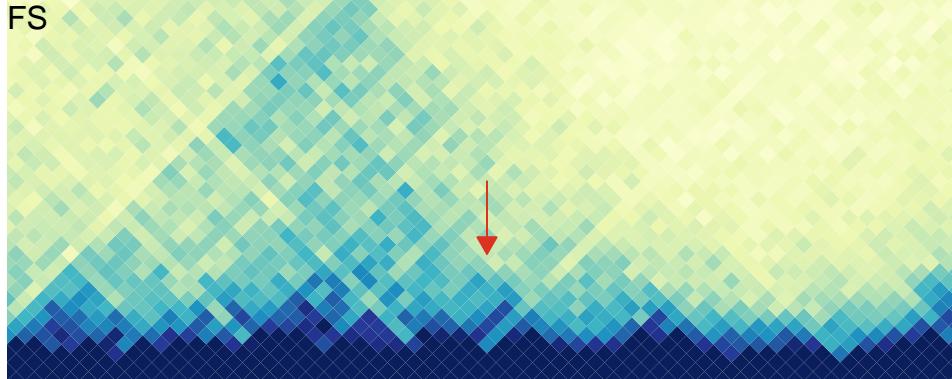
chr9

~37.5 Mb

WT



FS



EBLN3P

ZCCHC7

GRHPR

POLR1E



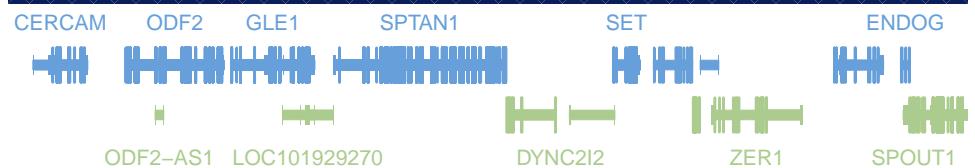
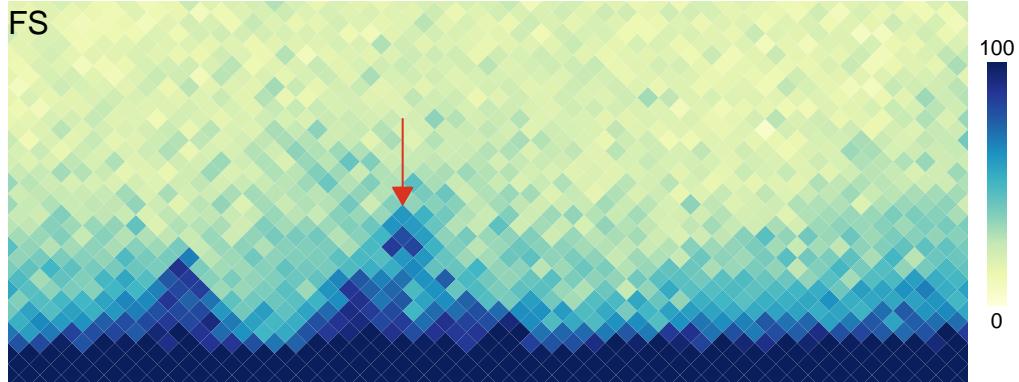
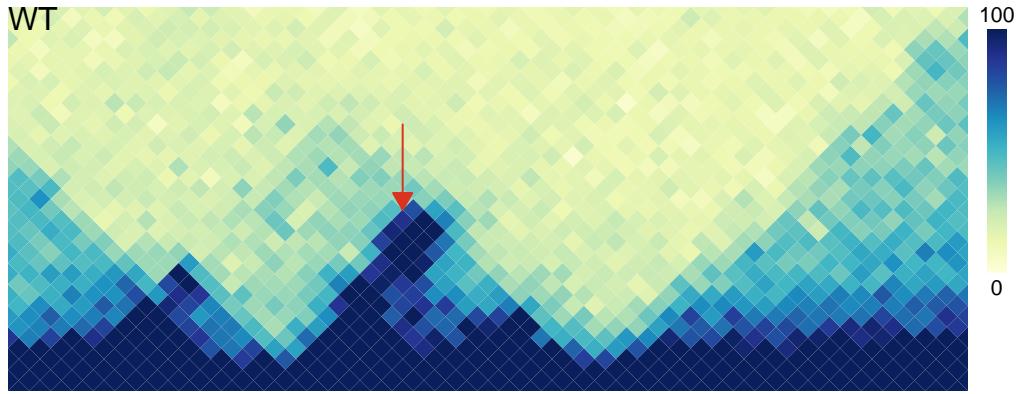
LOC105376034

~37 Mb

chr9

ZBTB5

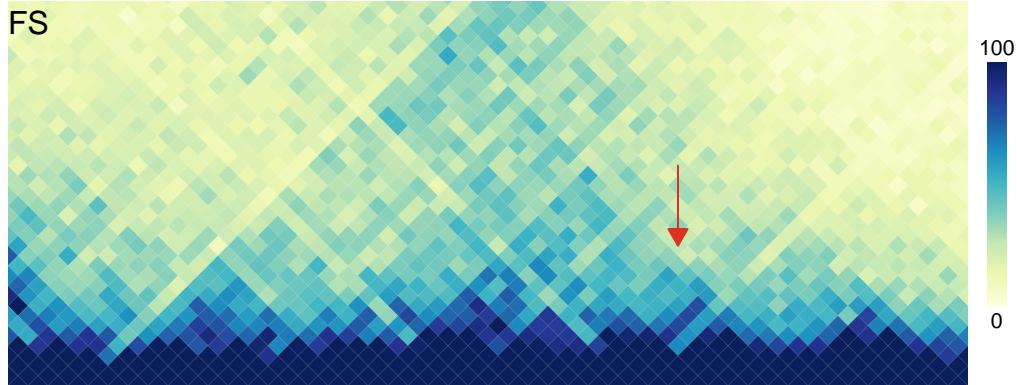
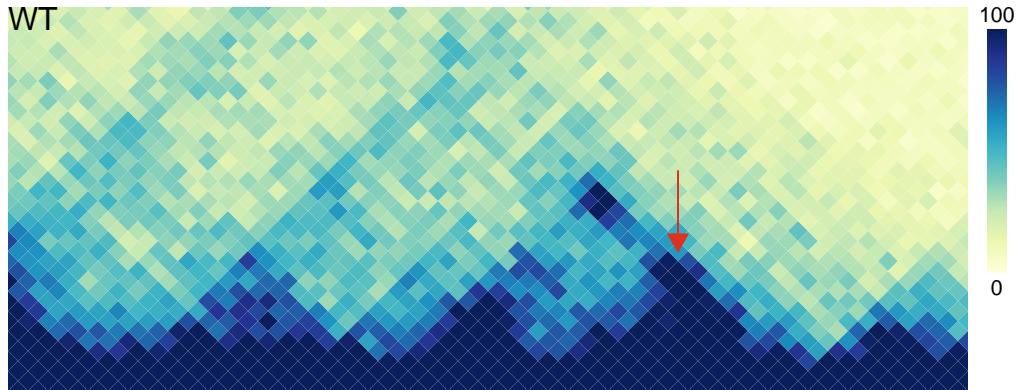
~37.5 Mb



128.4 Mb

chr9

~128.8 Mb



LOC105376032

EBLN3P

ZCCHC7



PAX5



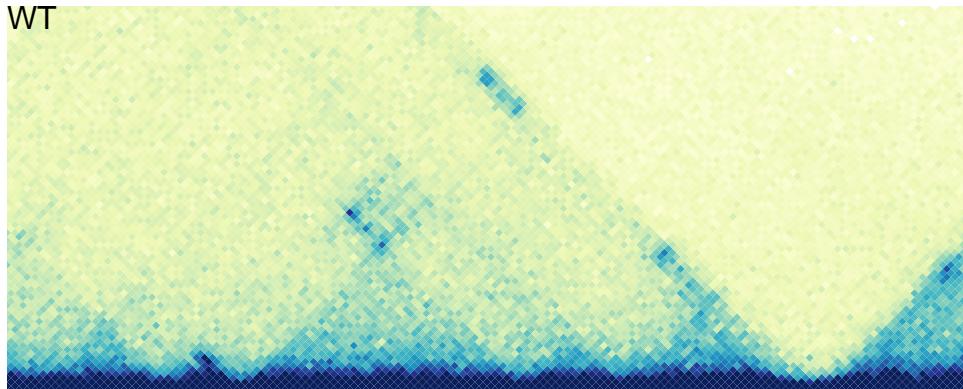
LOC105376034

~36.9 Mb

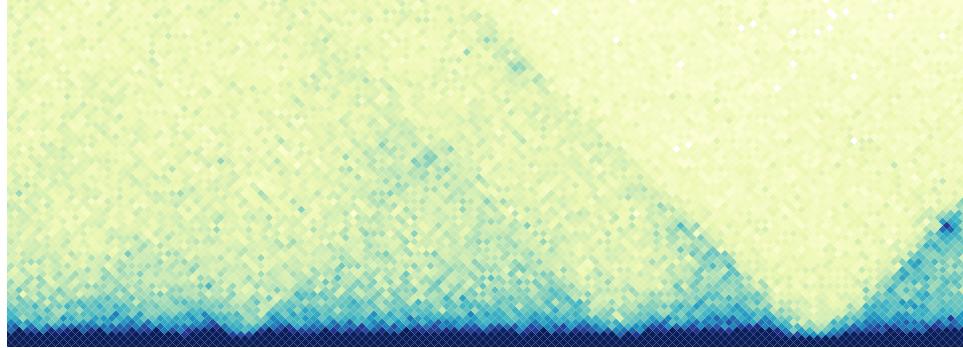
chr9

~37.4 Mb

WT



FS



+

-



ETV1



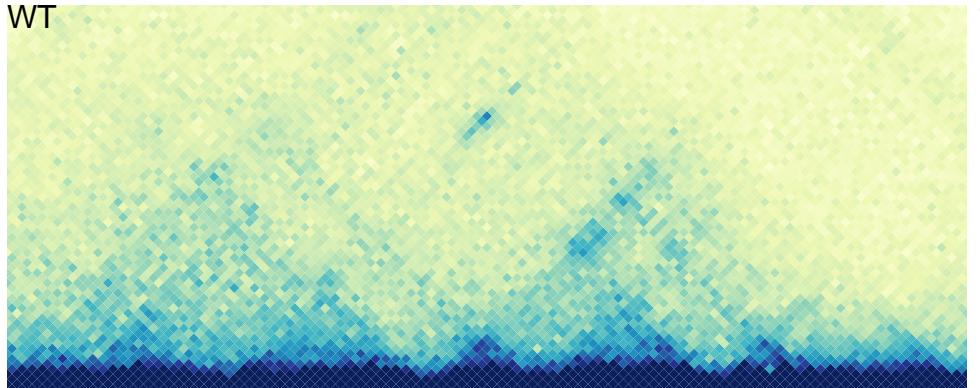
DGKB

~13.7 Mb

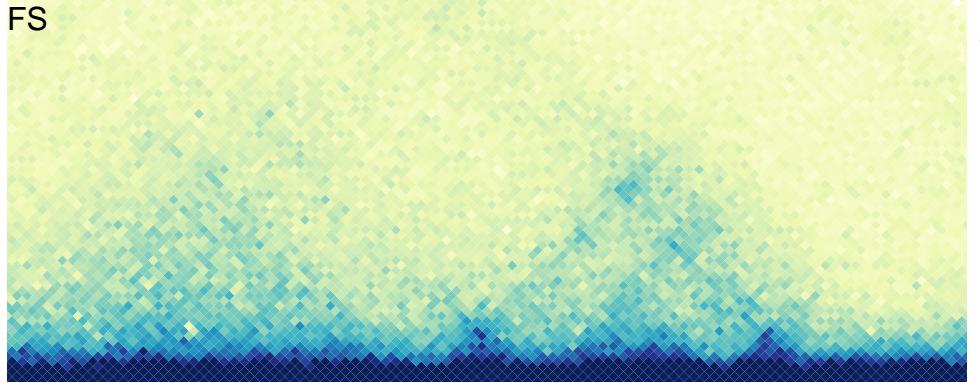
chr7

~14.9 Mb

WT



FS



NPY



LOC107986777

PALS2



GSDME



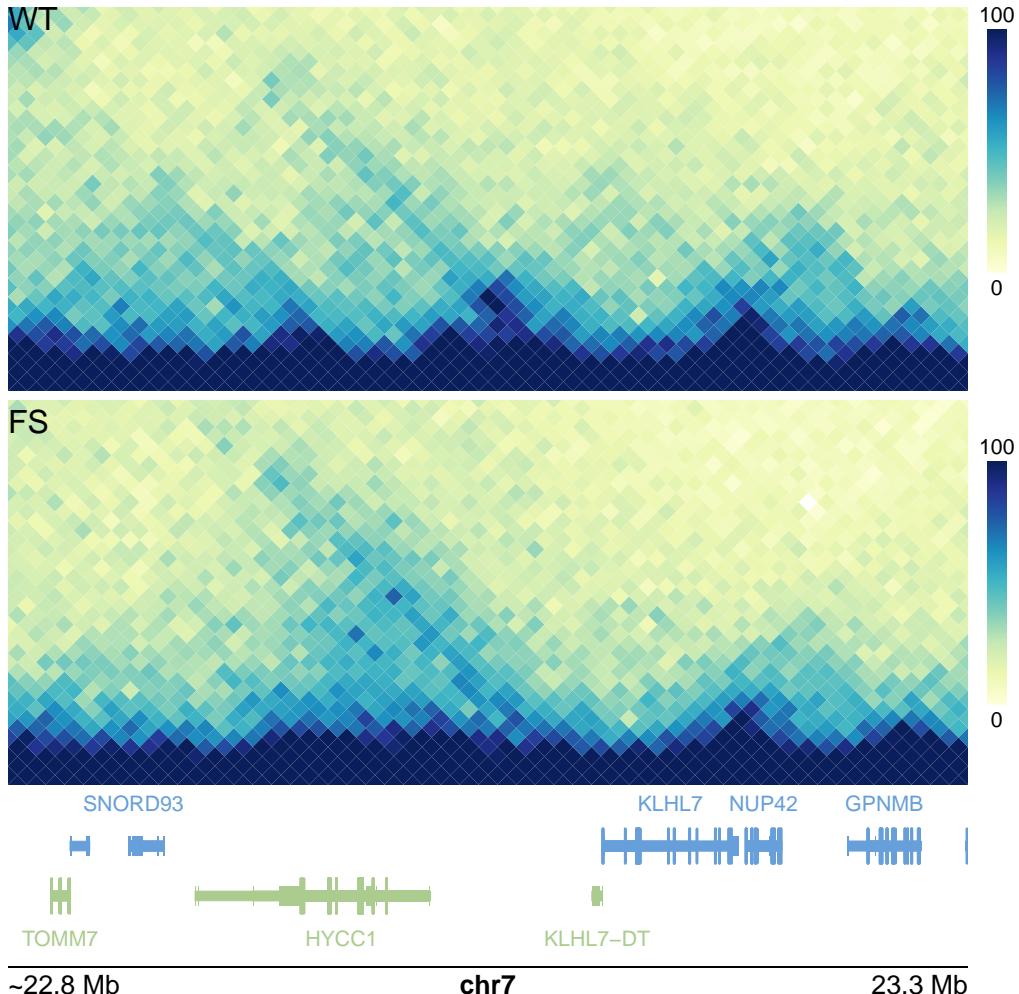
+

-

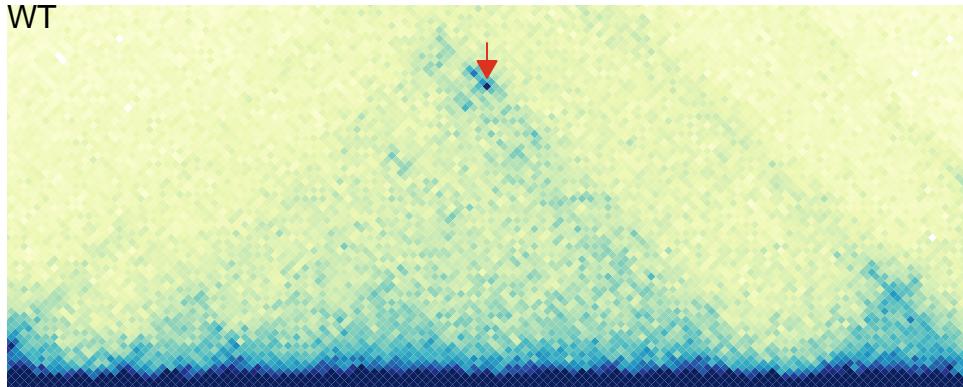
~23.9 Mb

chr7

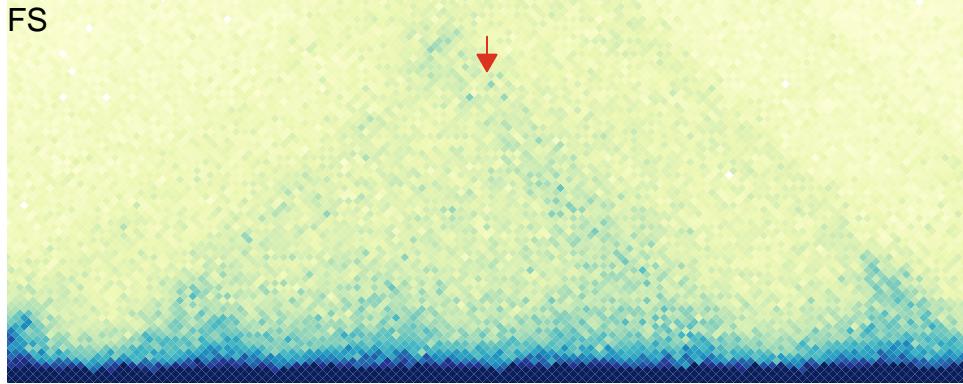
~24.9 Mb



WT



FS



COL1A2 CASD1 PEG10

PPP1R9A

+

-

+

-

+

-

+

-

+

-

+

-

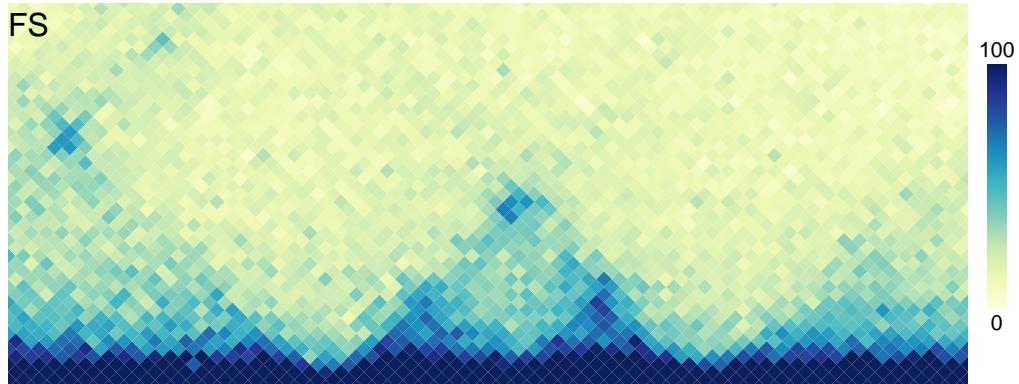
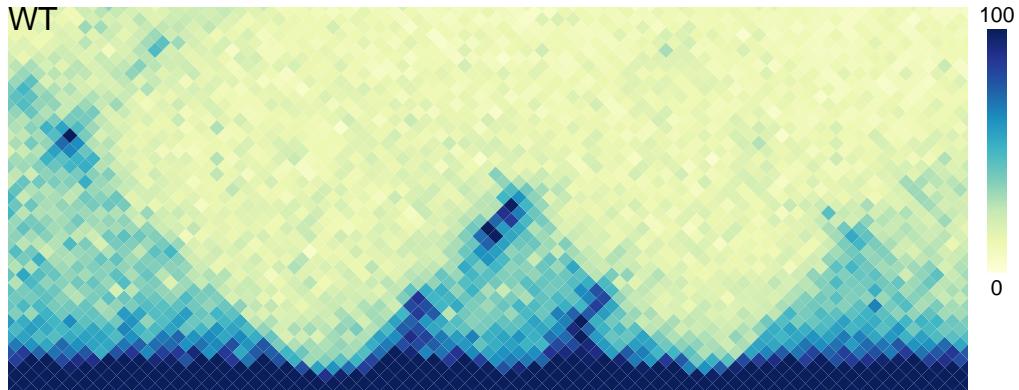
COL1A2-AS1

SGCE

~94 Mb

chr7

~95.1 Mb



FOXP2

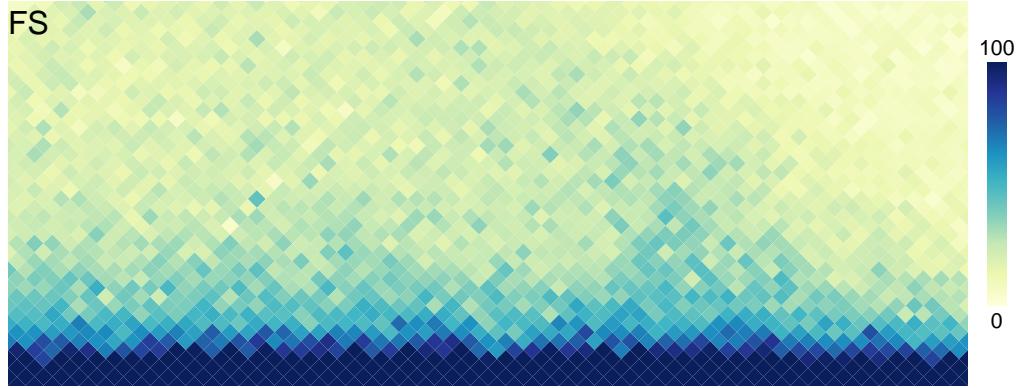
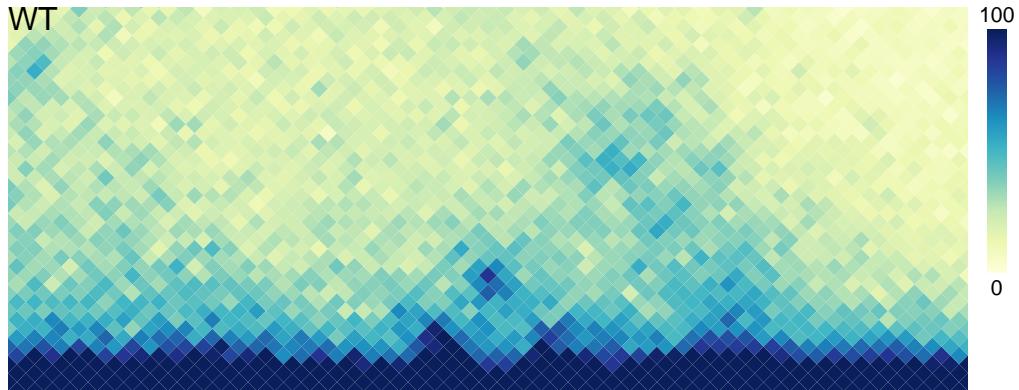


PPP1R3A

~113.8 Mb

chr7

~114.5 Mb



DOCK4-AS1

+

■

■

-

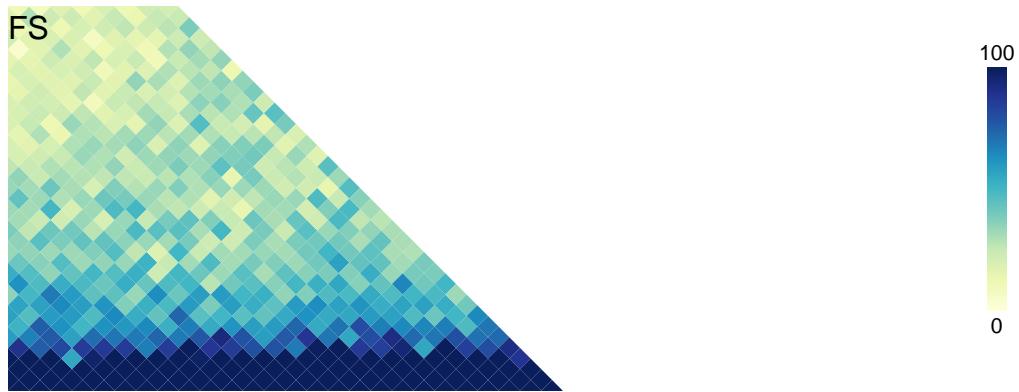
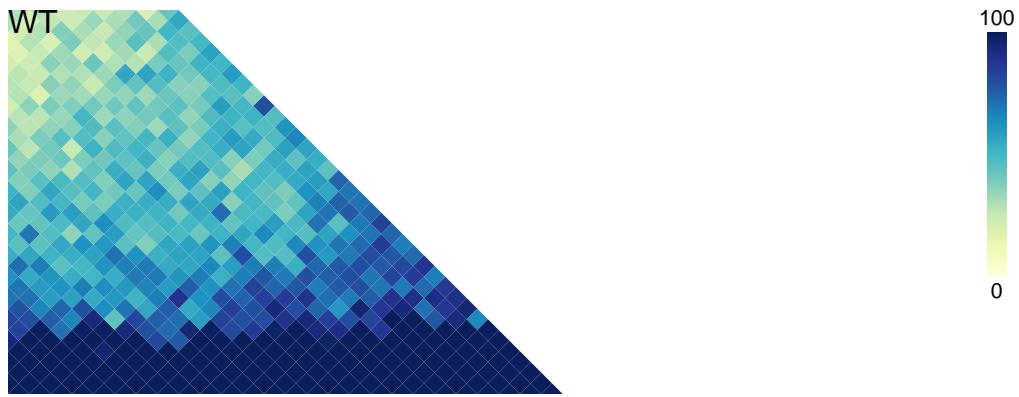


DOCK4

~111.6 Mb

chr7

~112.1 Mb



DYNC2I1

LINC00689



-



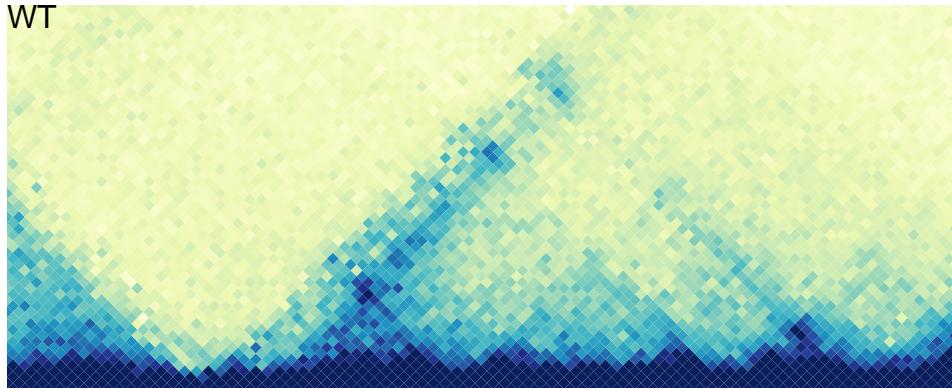
VIPR2

~158.9 Mb

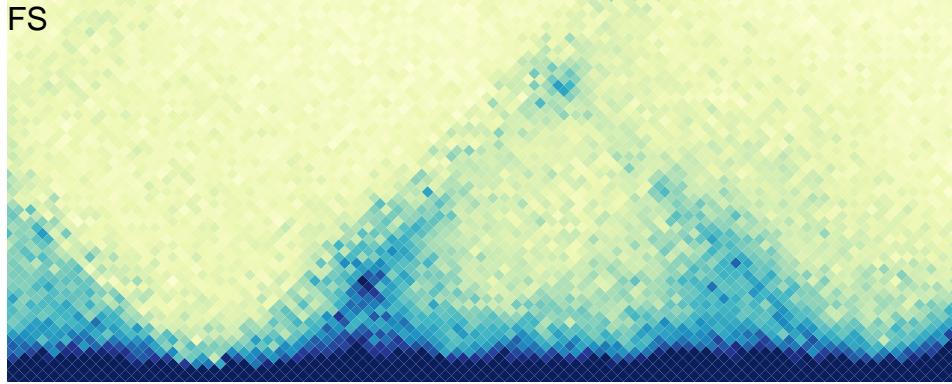
chr7

~159.3 Mb

WT



FS



STEAP1B-AS1

IL6

SNORD93

KLHL7

+

-

STEAP1B

IL6-AS1

TOMM7

HYCC1

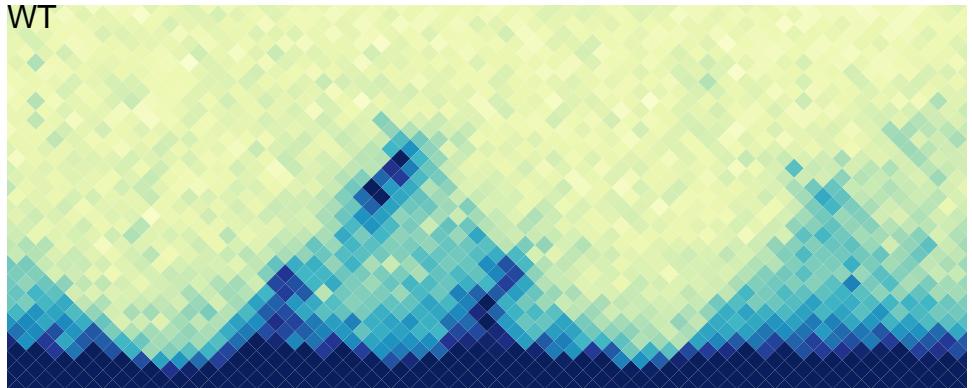
KLHL7-DT

~22.4 Mb

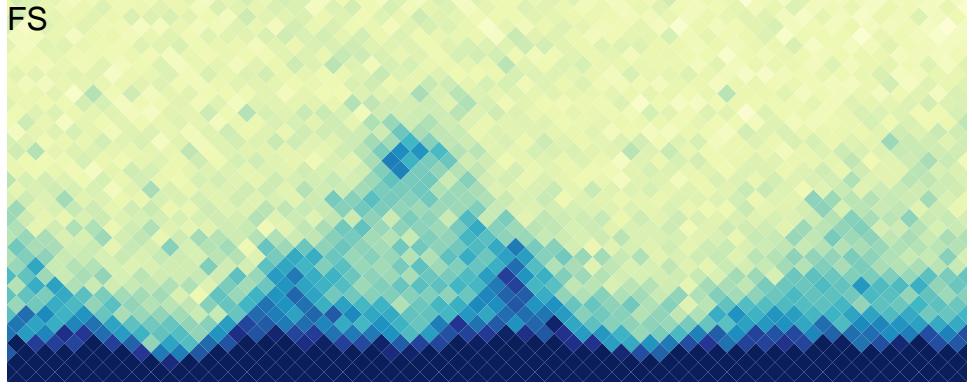
chr7

~23.2 Mb

WT



FS



FOXP2

+



-

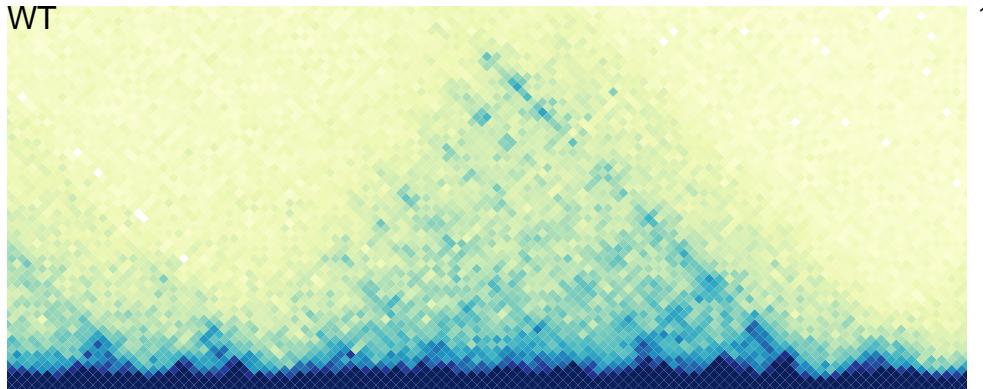


~114 Mb

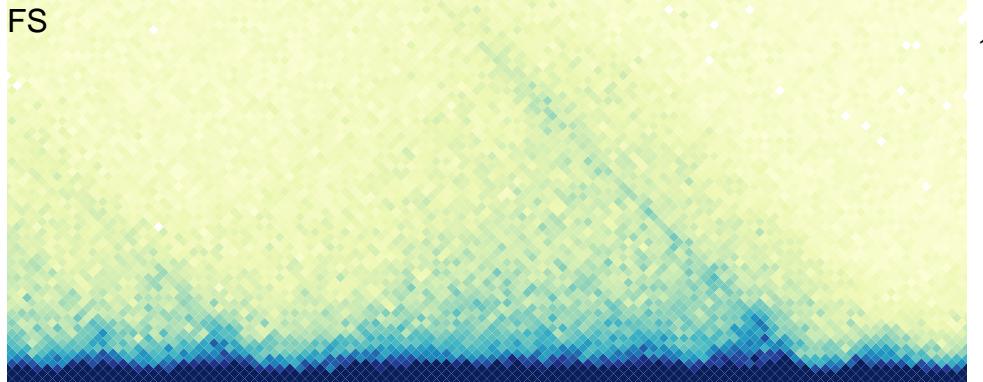
chr7

~114.5 Mb

WT



FS



AUTS2

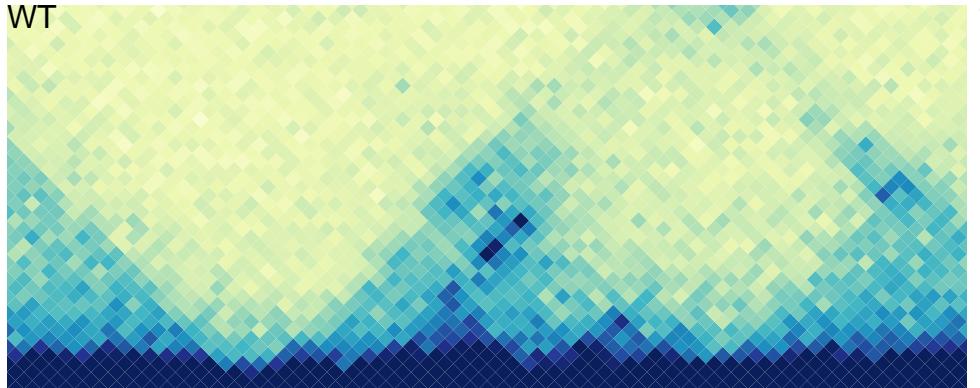


~69.4 Mb

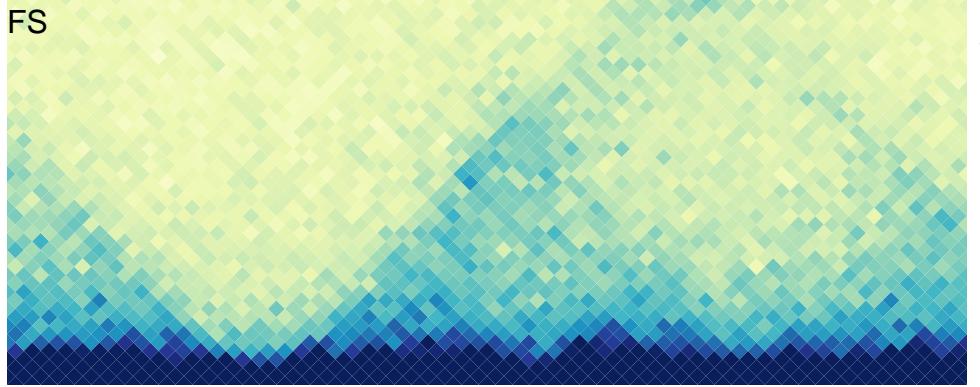
chr7

~70.3 Mb

WT



FS



SP4

DNAH11

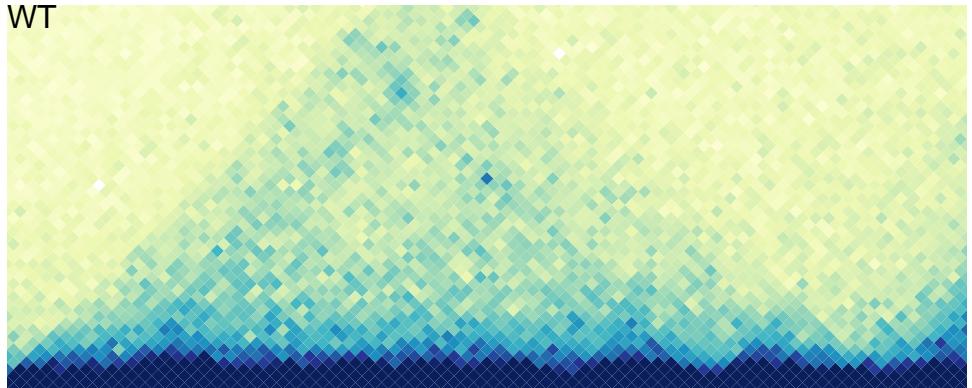


~21.1 Mb

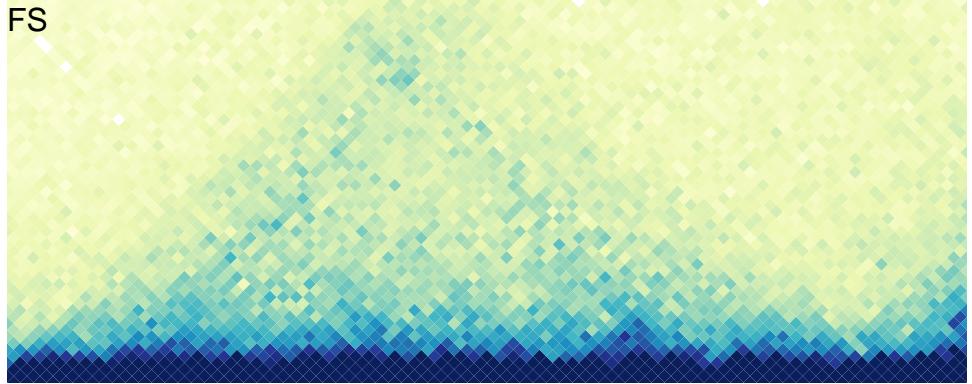
chr7

~21.7 Mb

WT



FS



+



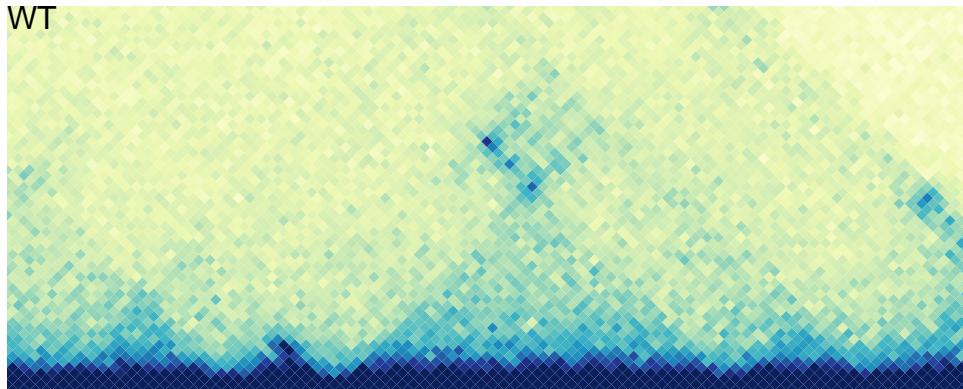
~82.4 Mb

chr7

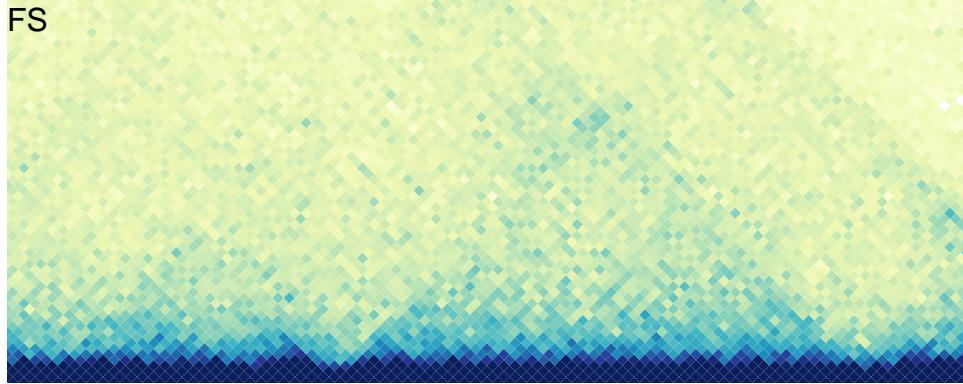
83.1 Mb



WT



FS



+

-



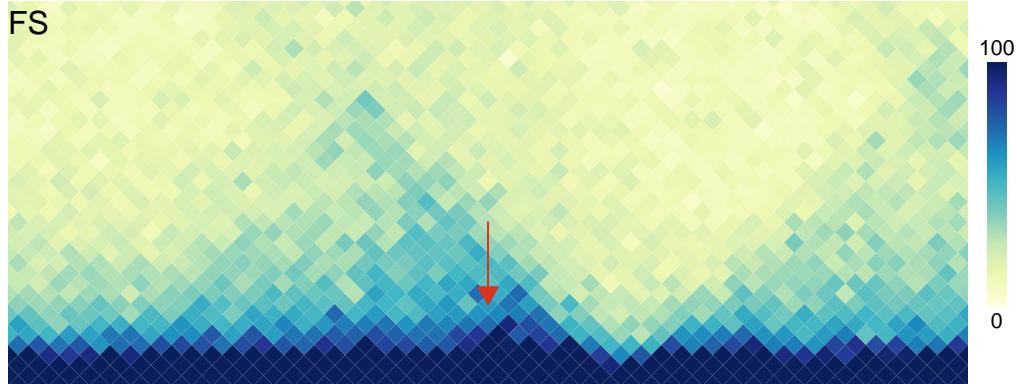
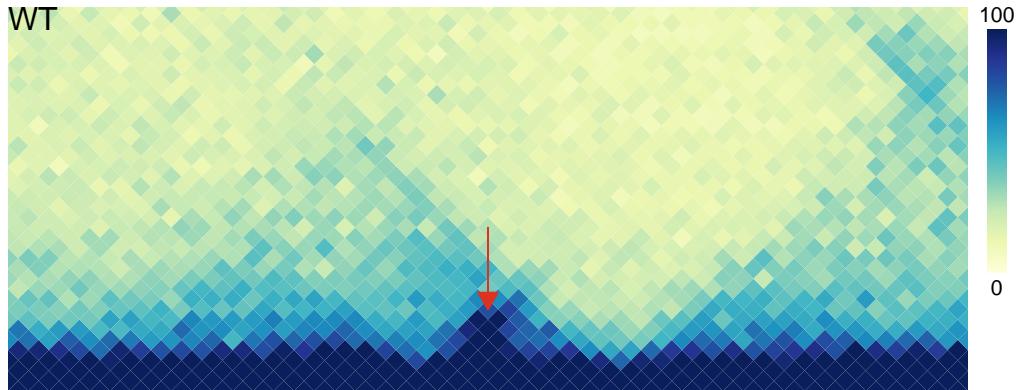
ETV1

~13.7 Mb

chr7

DGKB

~14.6 Mb



SAMD12-AS1



COLEC10



MAL2



TNFRSF11B



LOC101927513



MAL2-AS1

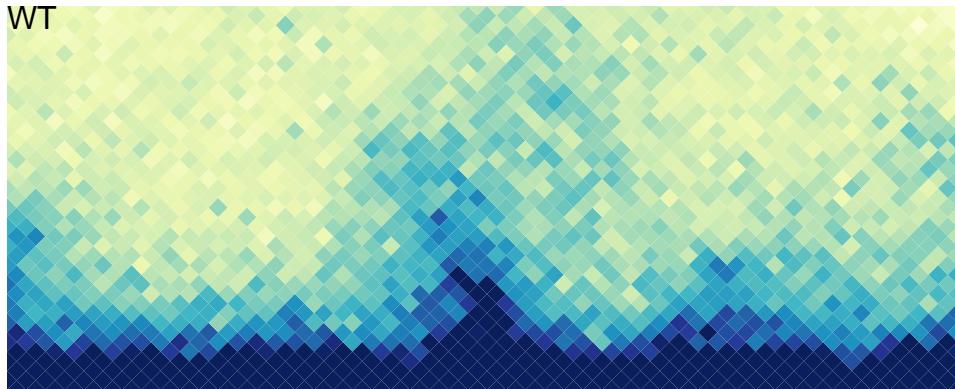


~118.8 Mb

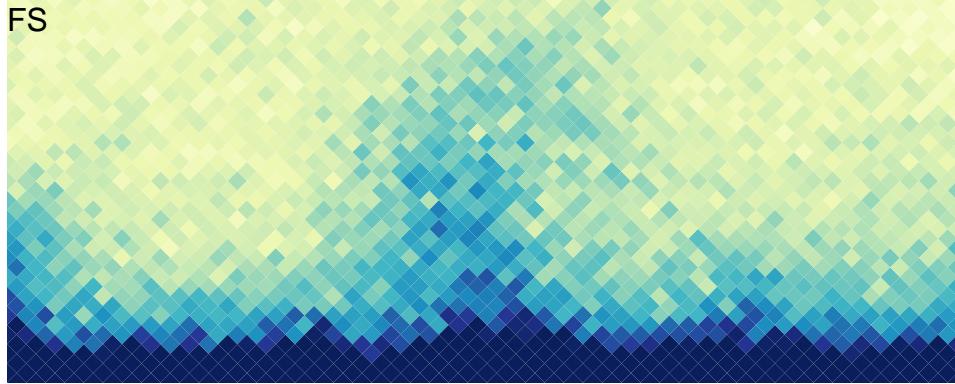
chr8

119.3 Mb

WT



FS



EXTL3

HMBOX1

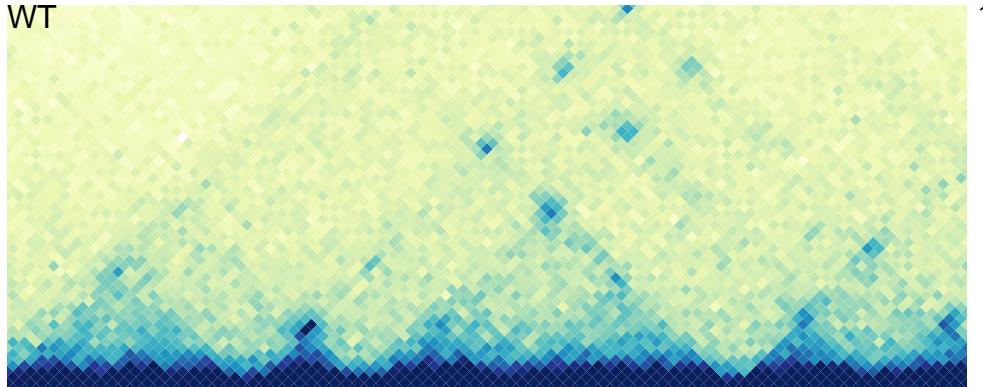


~28.6 Mb

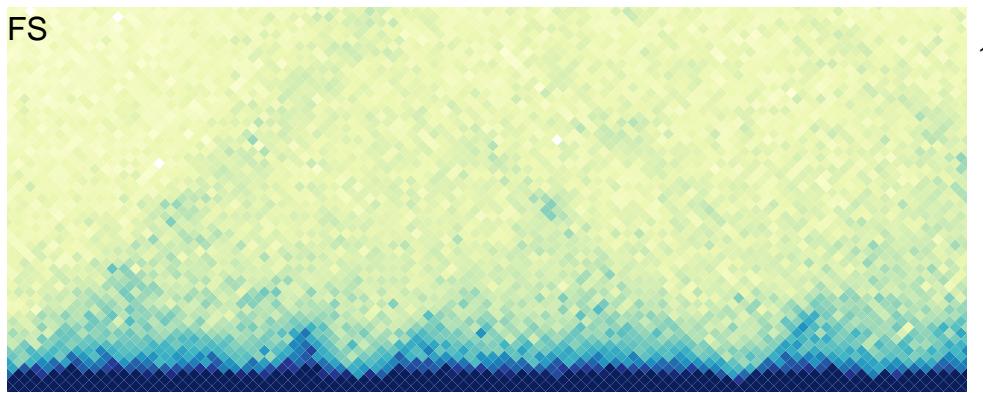
chr8

~29 Mb

WT



FS



LOC102724874



+

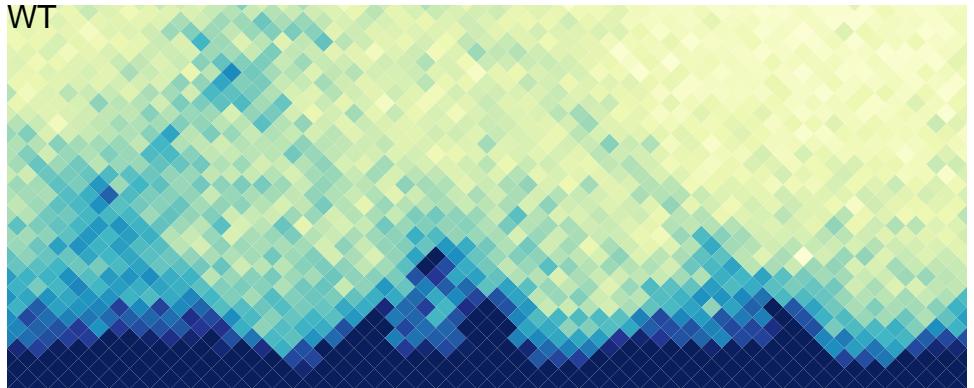
-

chr8

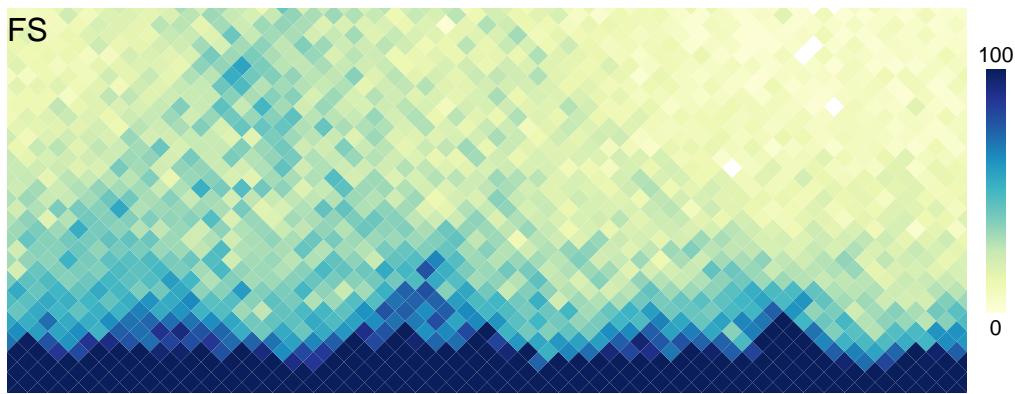
~77.3 Mb

~78.1 Mb

WT



FS



LOC105379231

TNKS

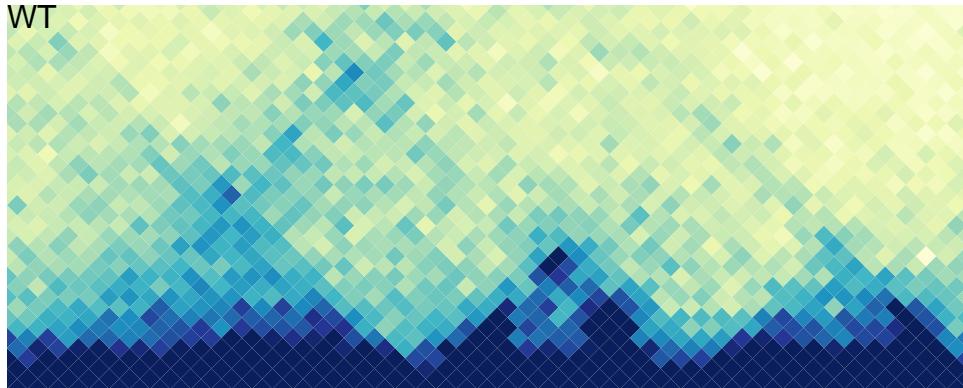


~9.3 Mb

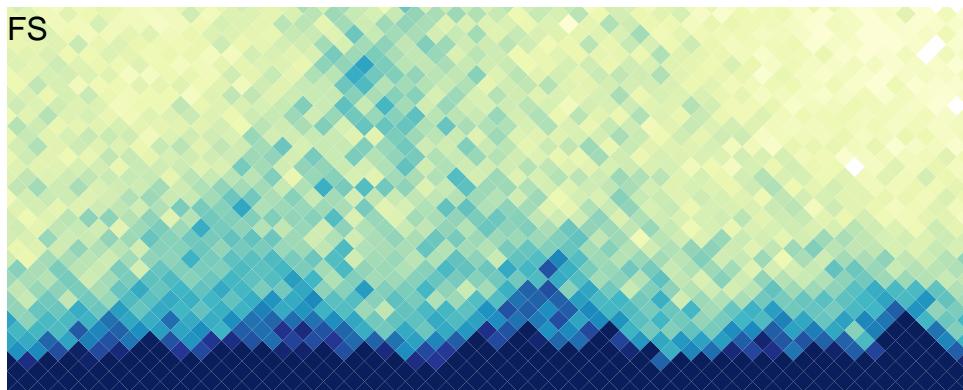
chr8

~9.7 Mb

WT



FS



LOC105379231

TNKS



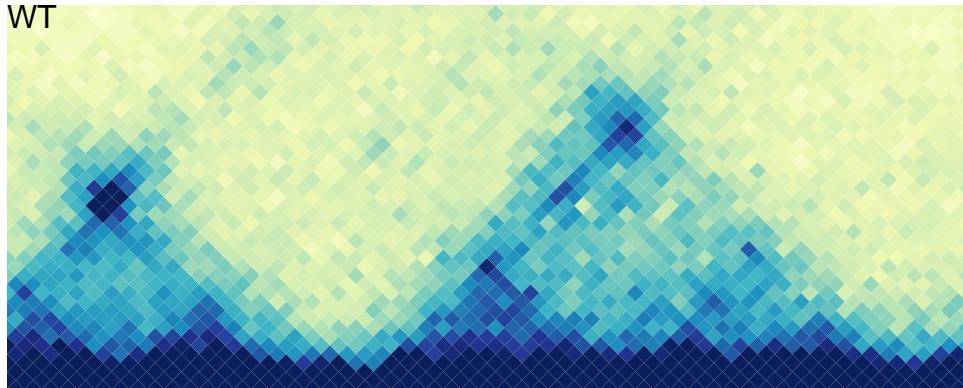
LOC105379228

~9.2 Mb

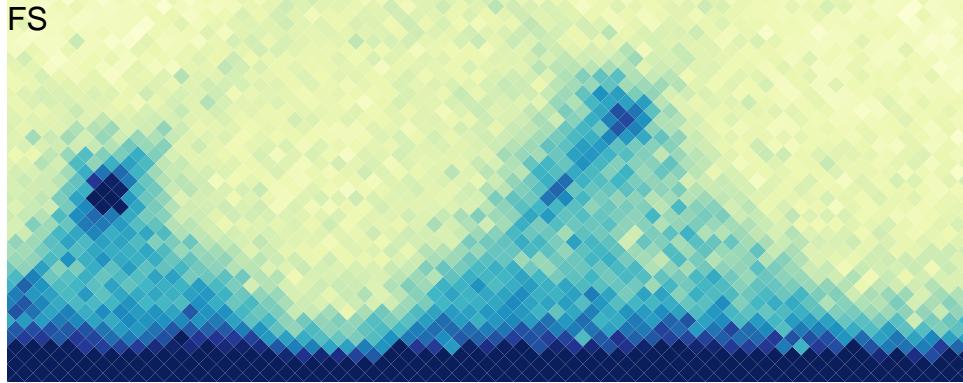
chr8

~9.7 Mb

WT



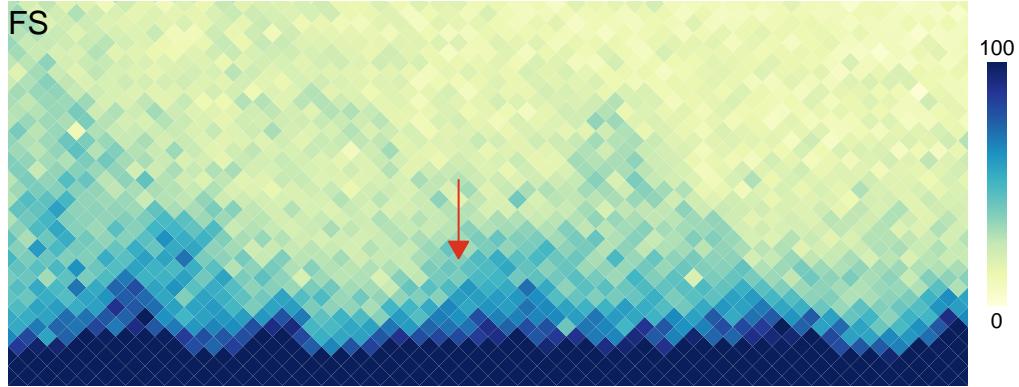
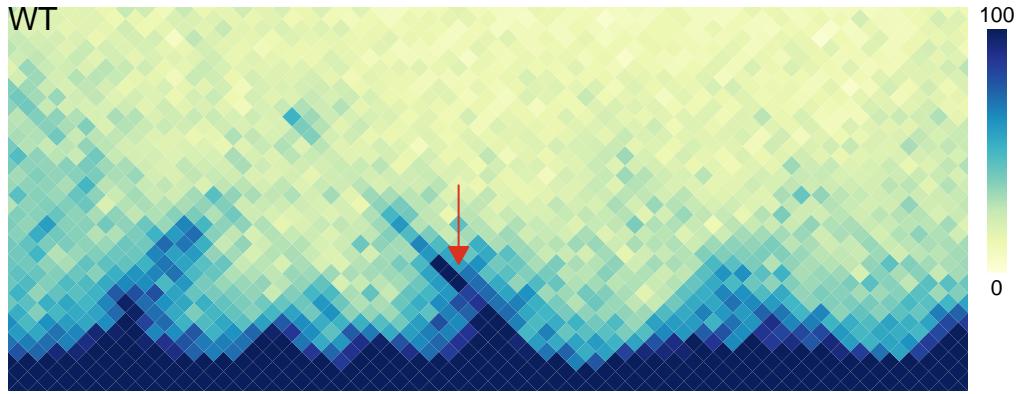
FS



~120.9 Mb

chr8

~121.5 Mb



PDE8B

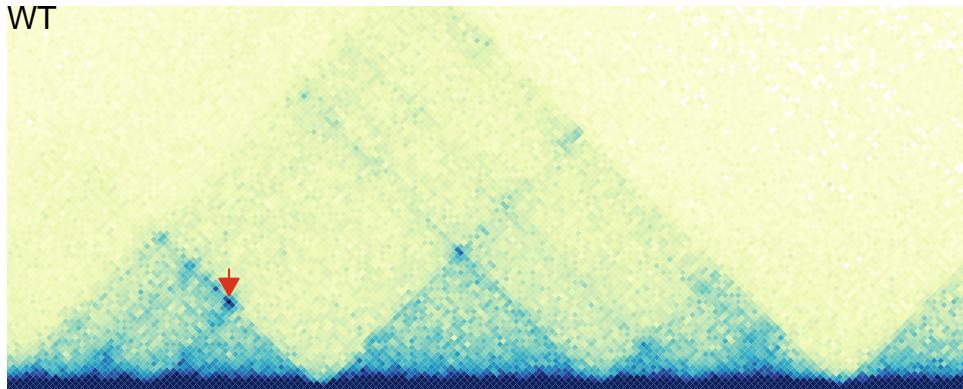


~77.1 Mb

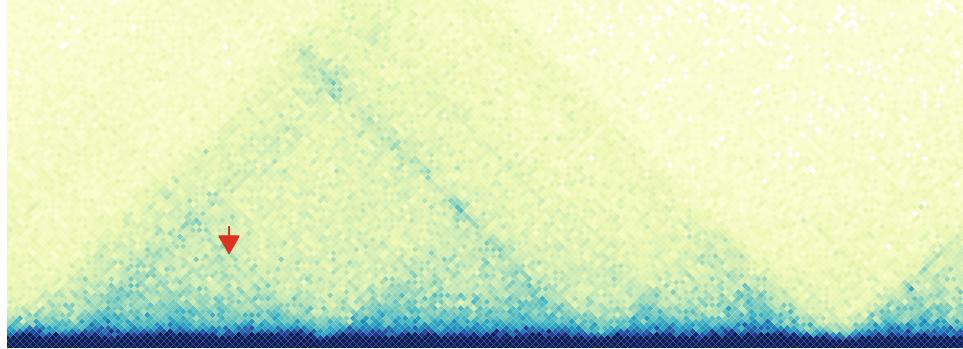
chr5

~77.6 Mb

WT



FS



SPRY4-AS1 LINC01844 ARHGAP26

MIR5197

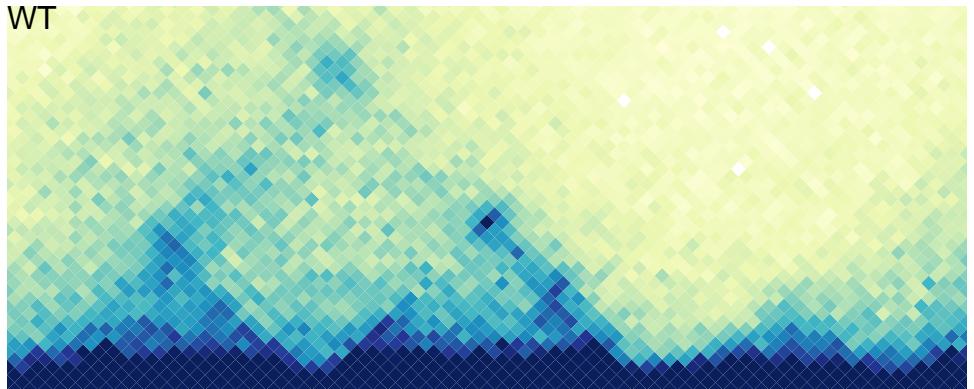


142.3 Mb

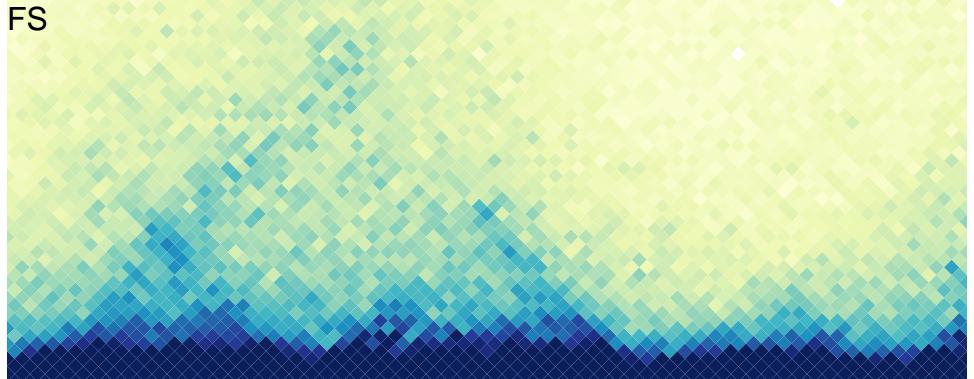
chr5

~143.8 Mb

WT



FS



CWC27



PPWD1



ADAMTS6

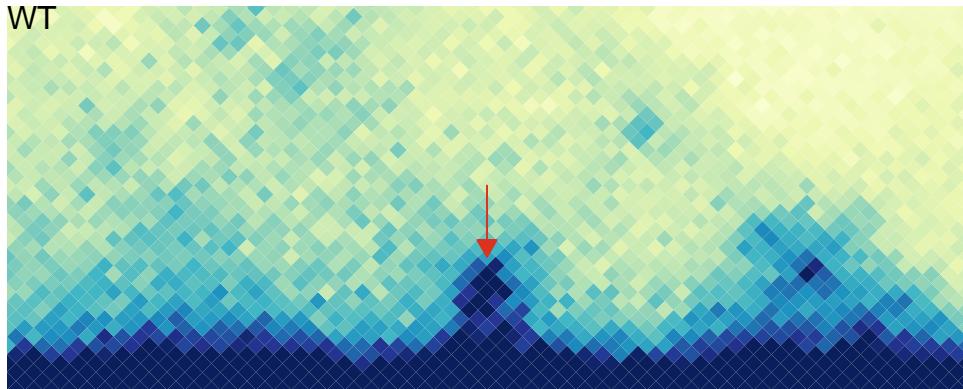
CENPK TRIM23

~65 Mb

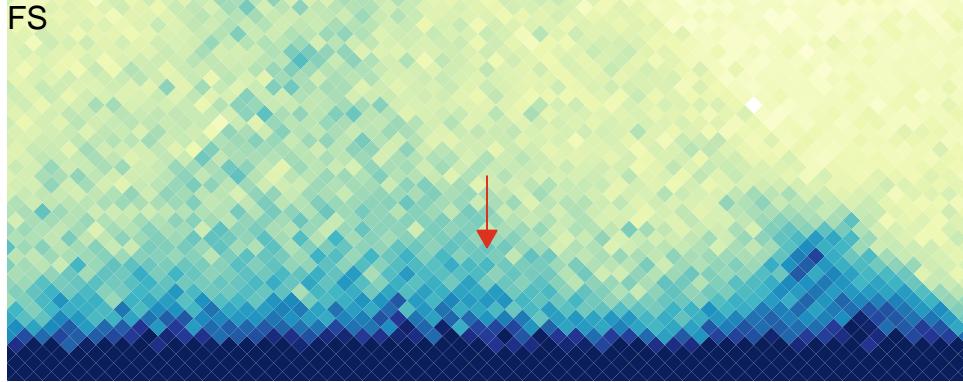
chr5

~65.7 Mb

WT



FS



LINC01366 KCNIP1-OT1

KCNIP1

+

-

LCP2

KCNMB1

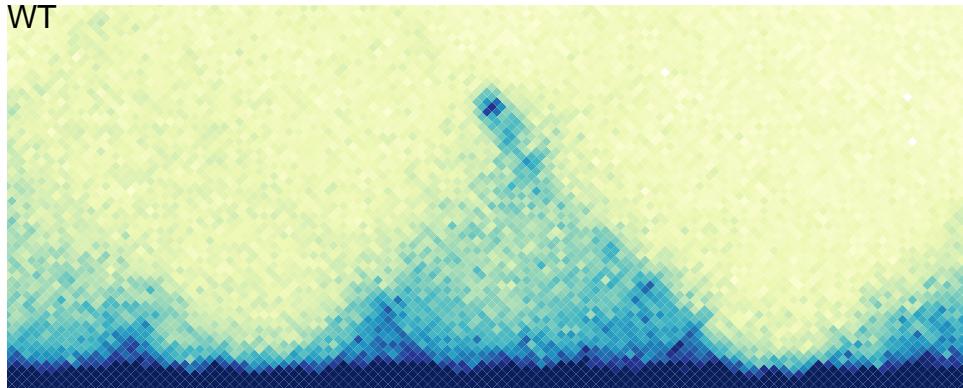
KCNIP1-AS1

~170.2 Mb

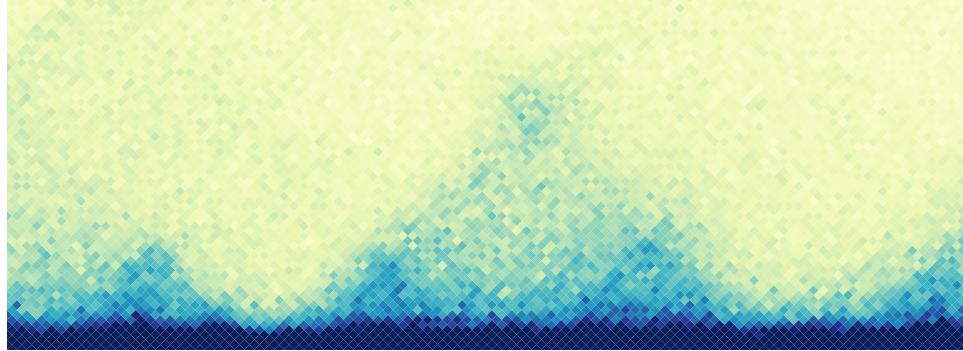
chr5

~170.8 Mb

WT



FS



LOC107987420 MCCC2 CARTPT

MAP1B

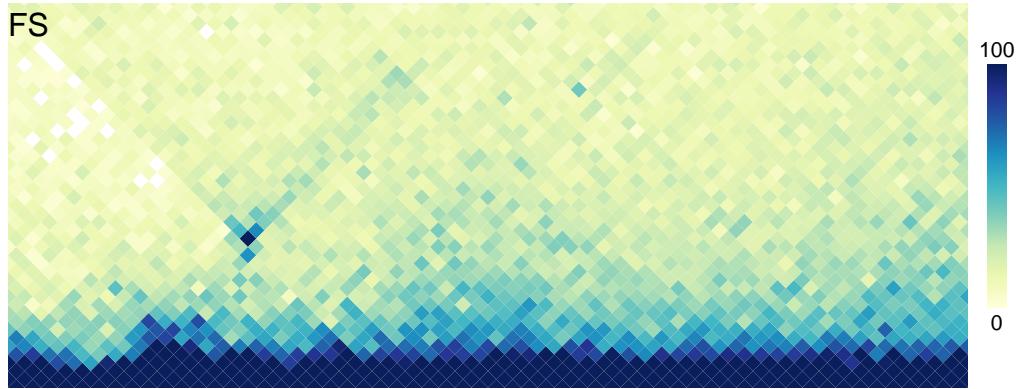
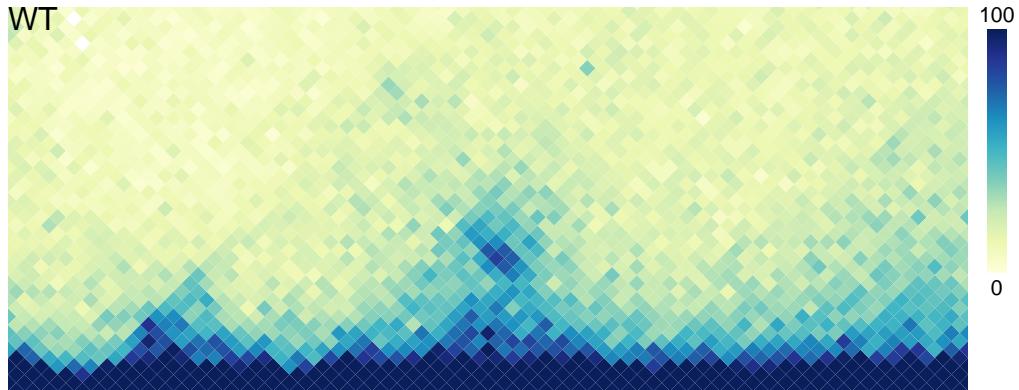
+



~71.4 Mb

chr5

~72.3 Mb



ISOC1

ADAMTS19



MIR4460

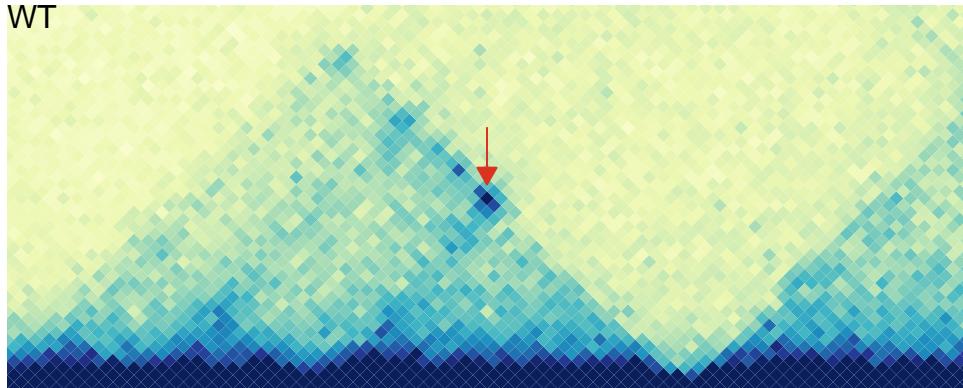
LOC112267944

~129.1 Mb

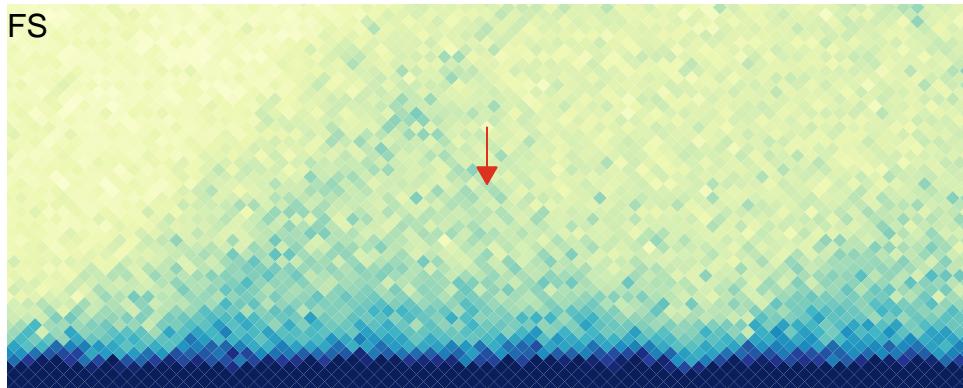
chr5

~129.6 Mb

WT



FS



SPRY4-AS1

LINC01844

ARHGAP26

+



-

FGF1

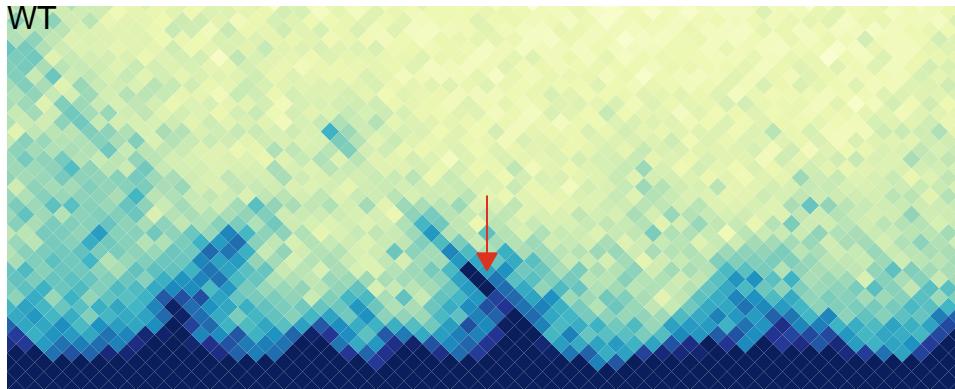
ARHGAP26-AS1

142.3 Mb

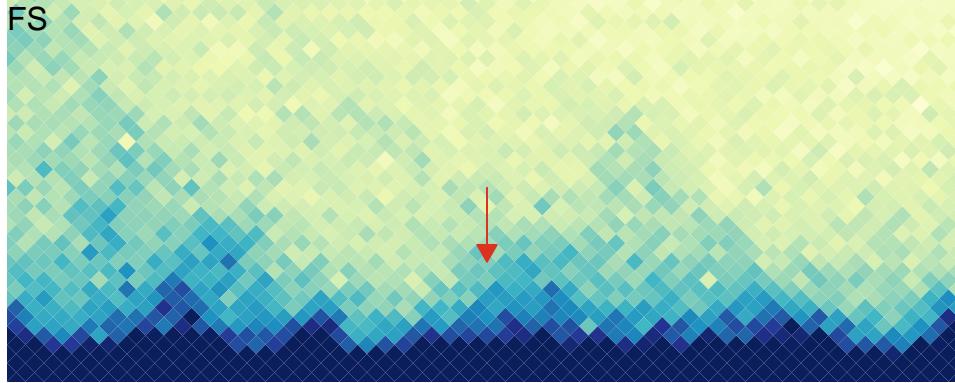
chr5

~143 Mb

WT



FS



AGGF1

PDE8B

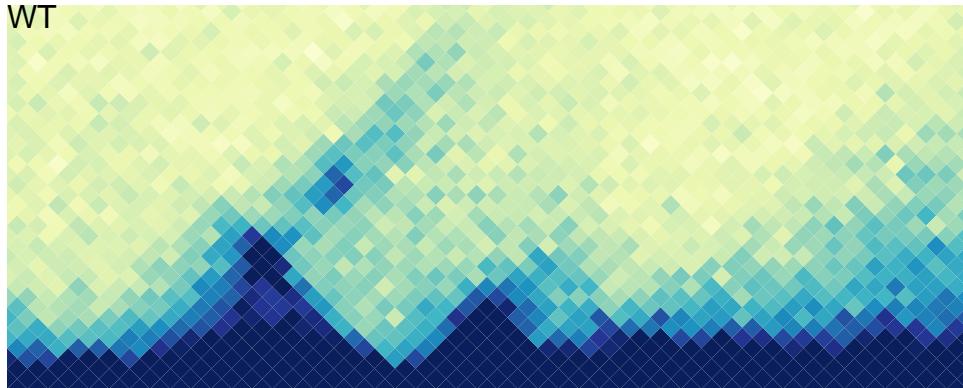


~77.1 Mb

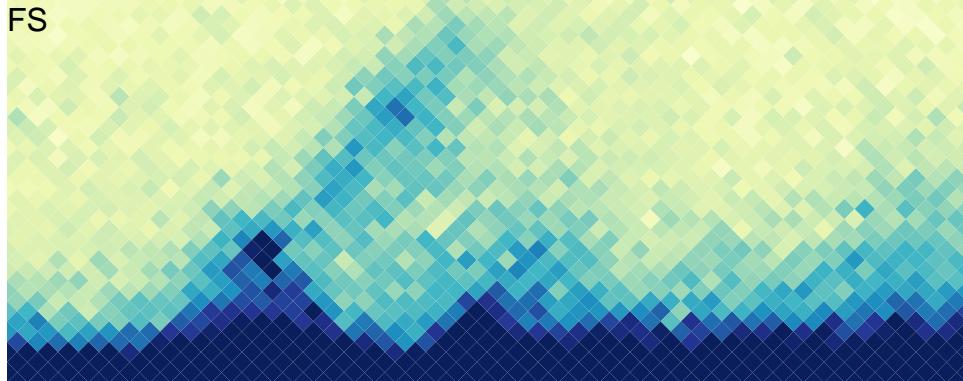
chr5

~77.6 Mb

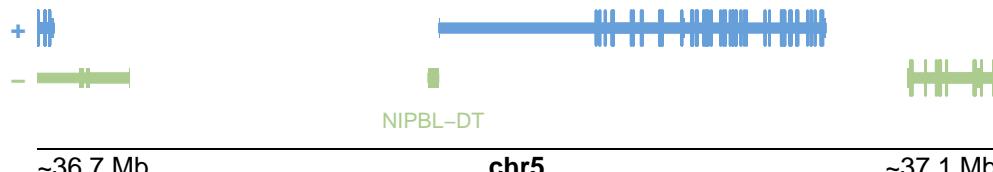
WT



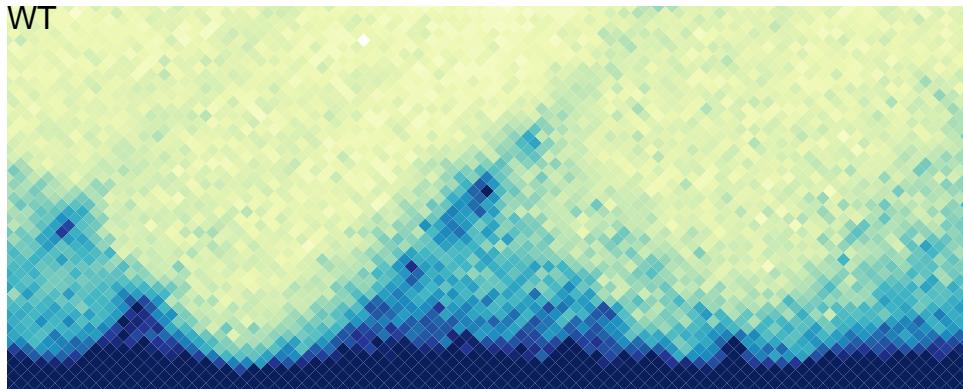
FS



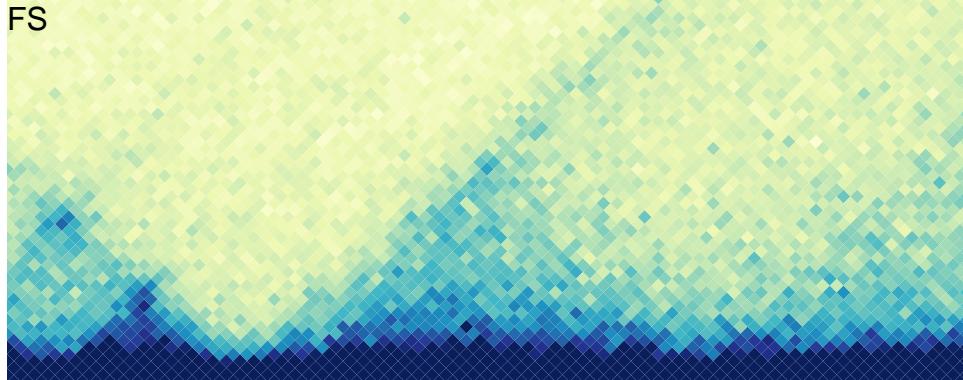
NIPBL



WT



FS



E2F3

CDKAL1

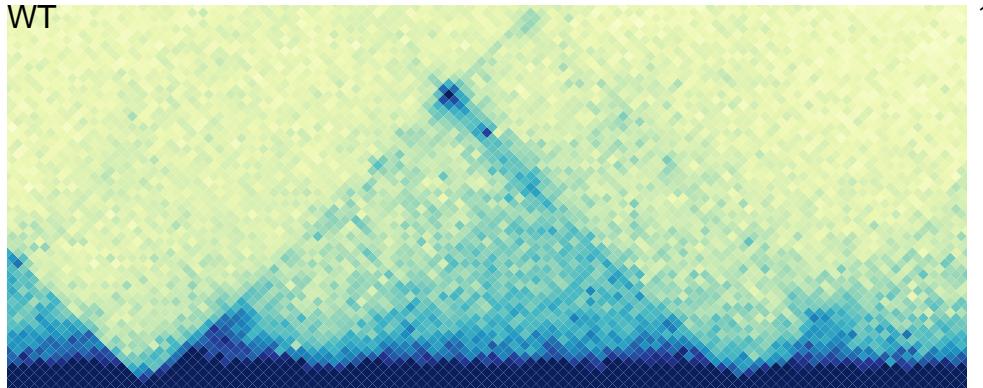


~20.4 Mb

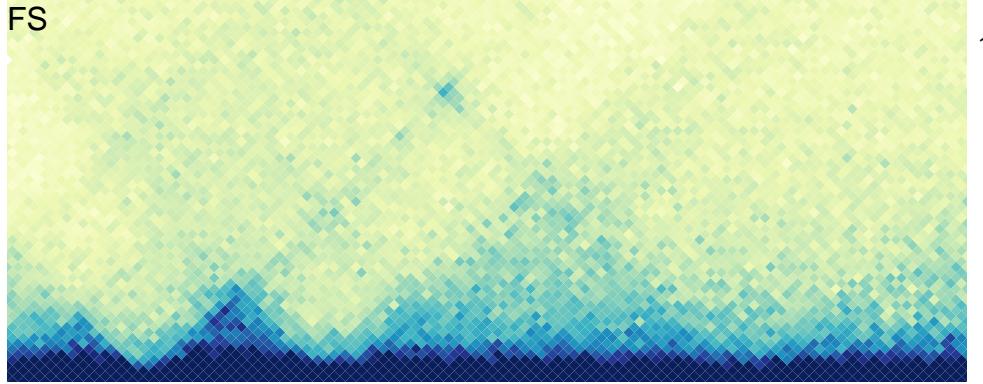
chr6

~21.1 Mb

WT



FS

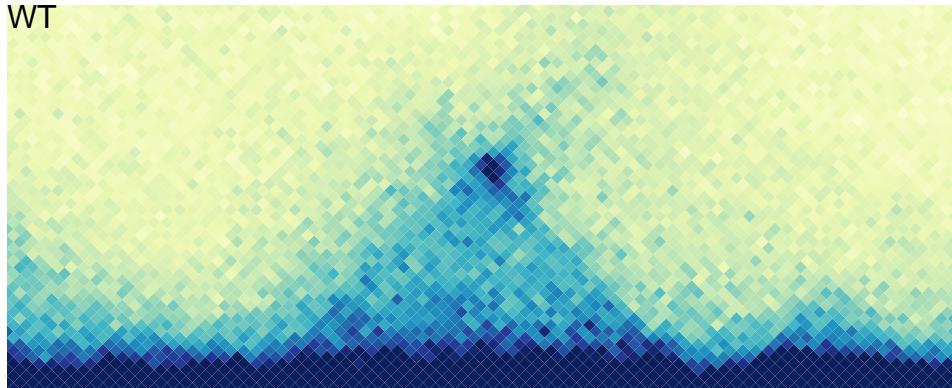


~163.7 Mb

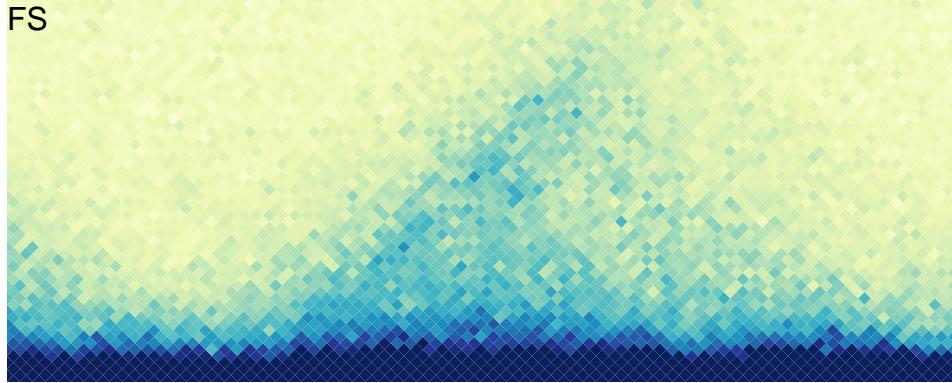
chr6

~164.6 Mb

WT



FS



LUADT1

STXBP5

SAMD5

+

-

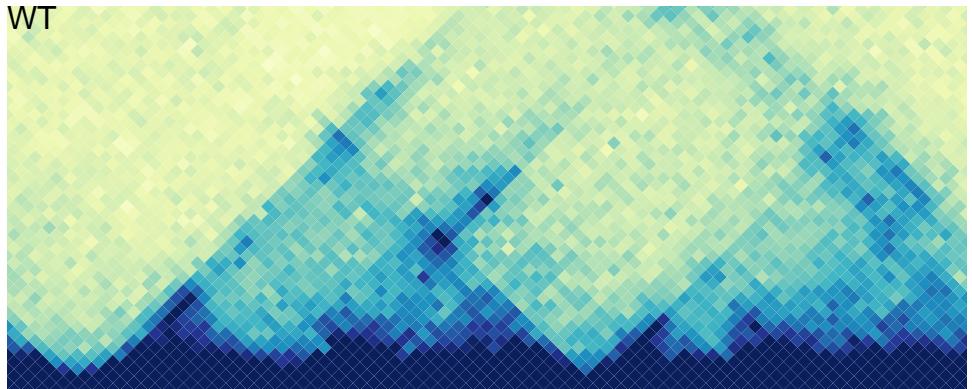
STXBP5-AS1

~147 Mb

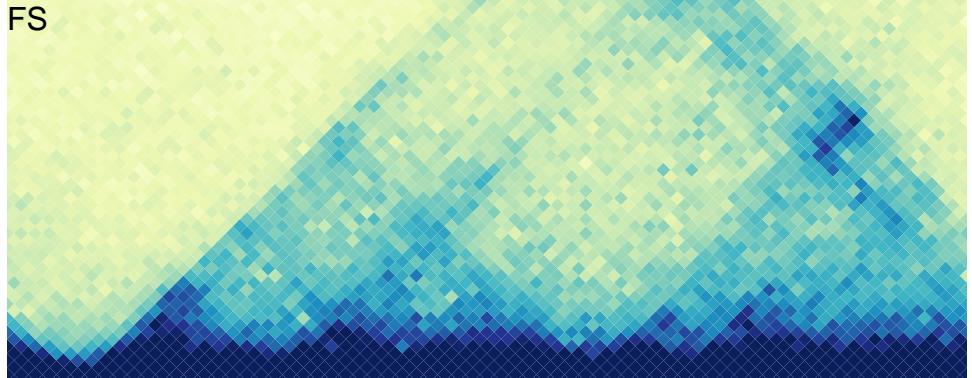
chr6

~147.7 Mb

WT



FS



EYA4

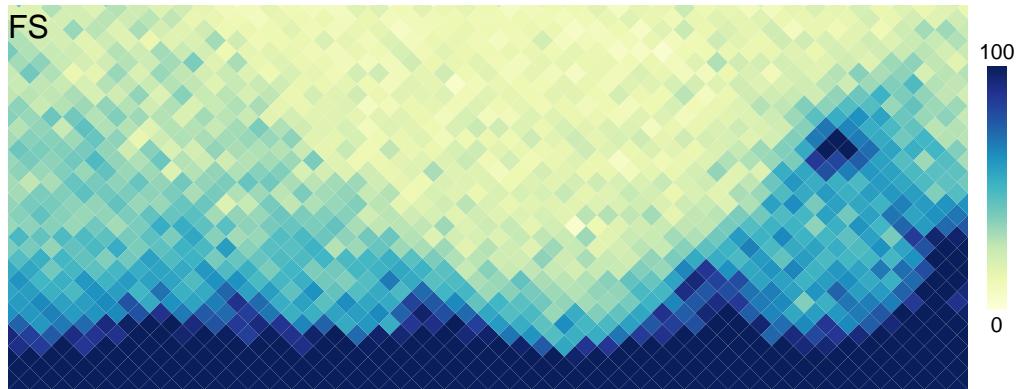
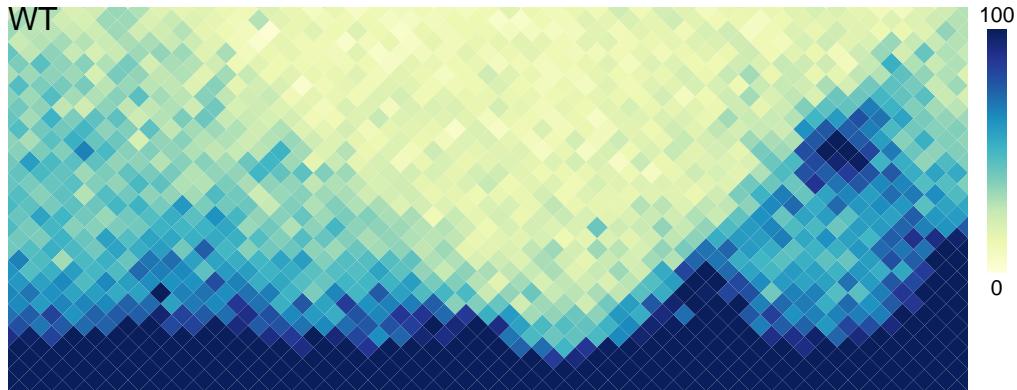


~133.1 Mb

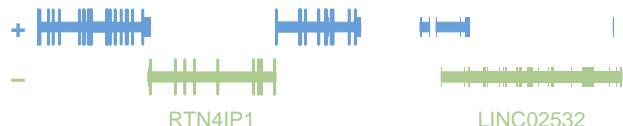
chr6

~133.8 Mb

TARID



CRYBG1 QRSL1 LINC02526 MIR587

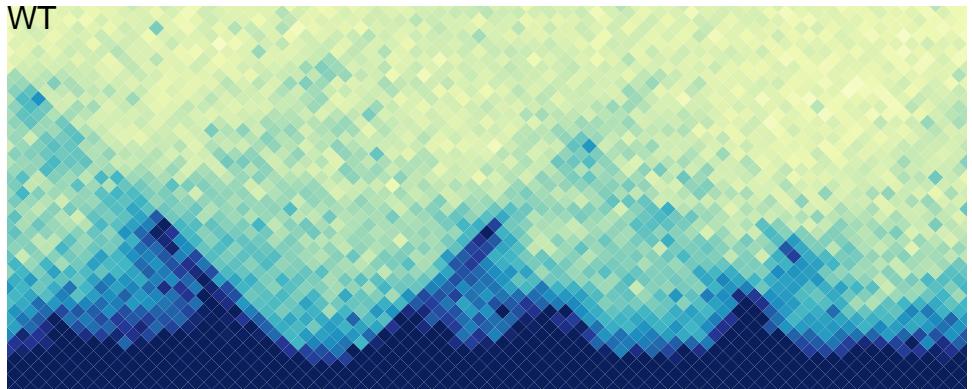


~106.5 Mb

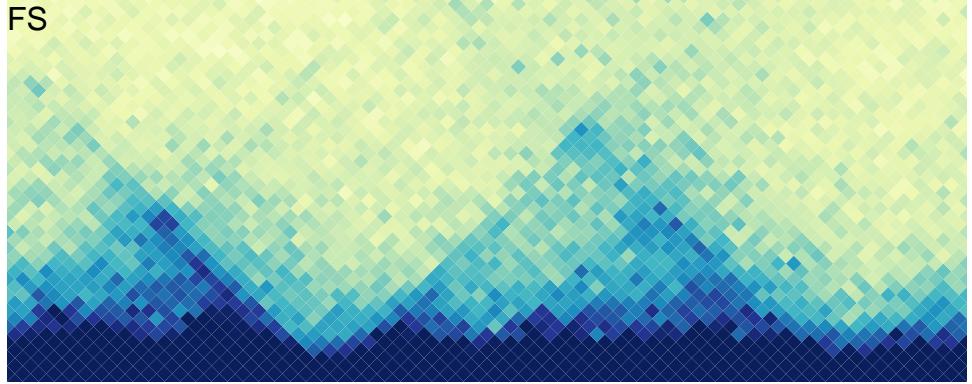
chr6

~107 Mb

WT



FS



LINC02520

ZFAND3



+ CCDC167 MIR4462

- MDGA1



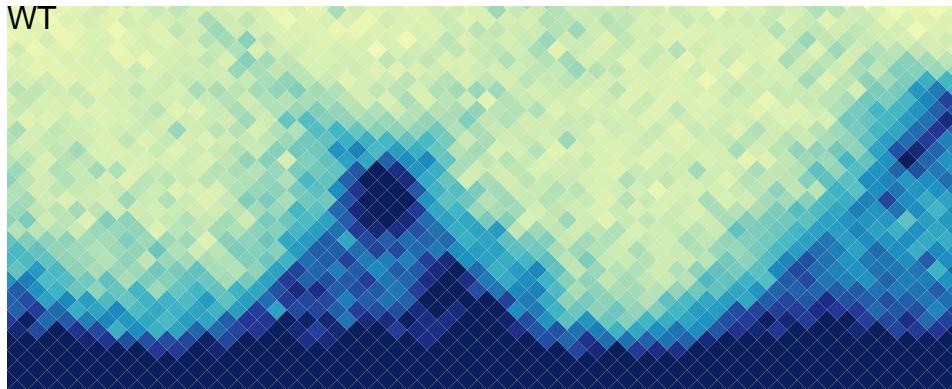
ZFAND3-DT

~37.5 Mb

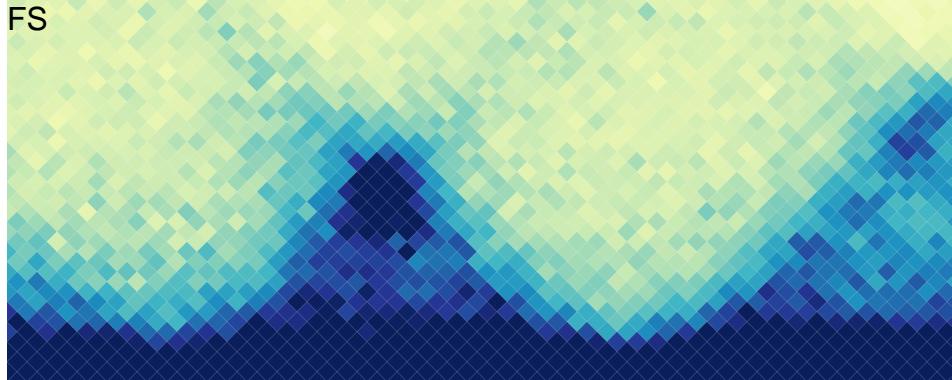
chr6

~38.1 Mb

WT



FS



TAAR6

RPS12

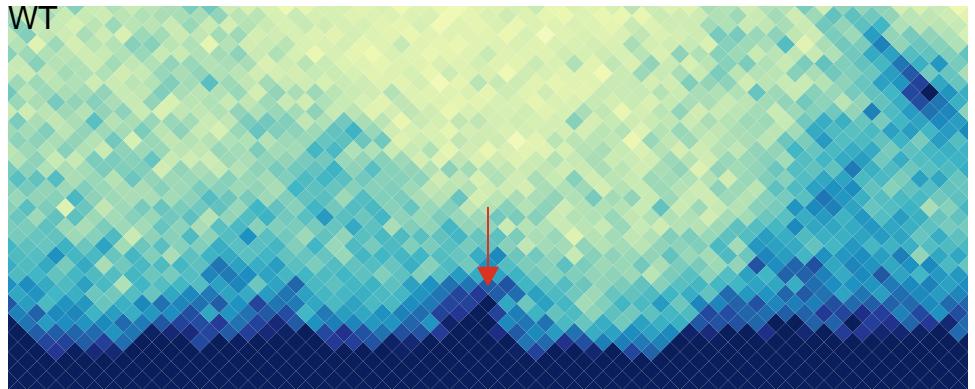


~132.5 Mb

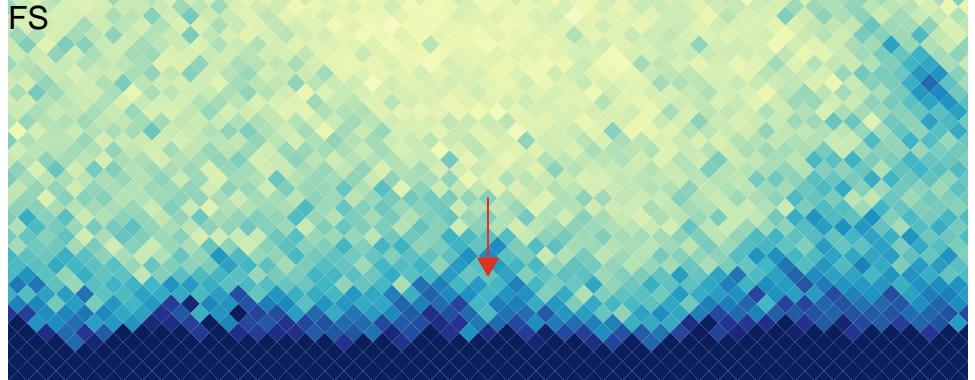
chr6

133.0 Mb

WT



FS



HIVEP1

EDN1

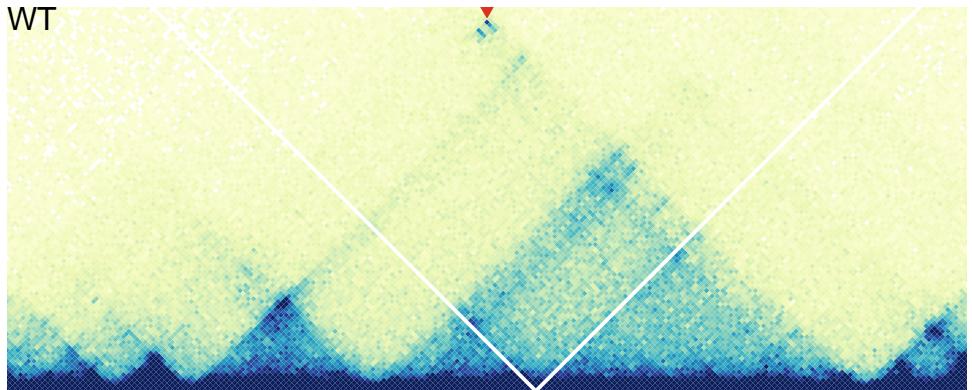


~12 Mb

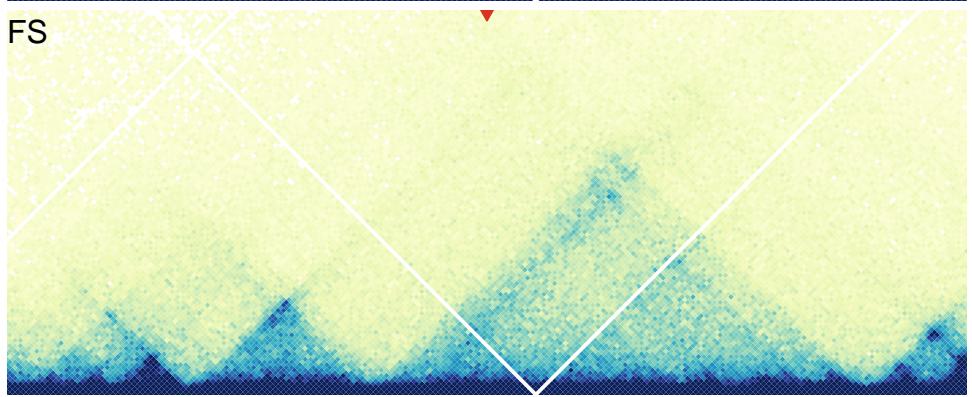
chr6

~12.5 Mb

WT



FS



LOC105377921

PRDM1

CRYBG1

QRSL1MIR587

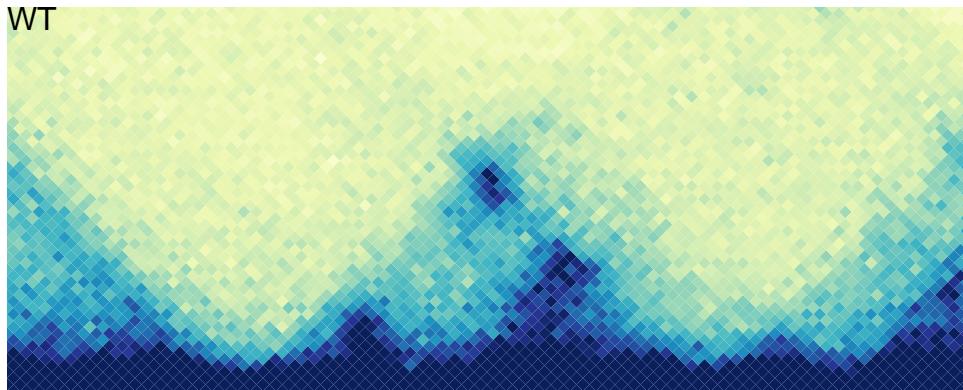


~105.2 Mb

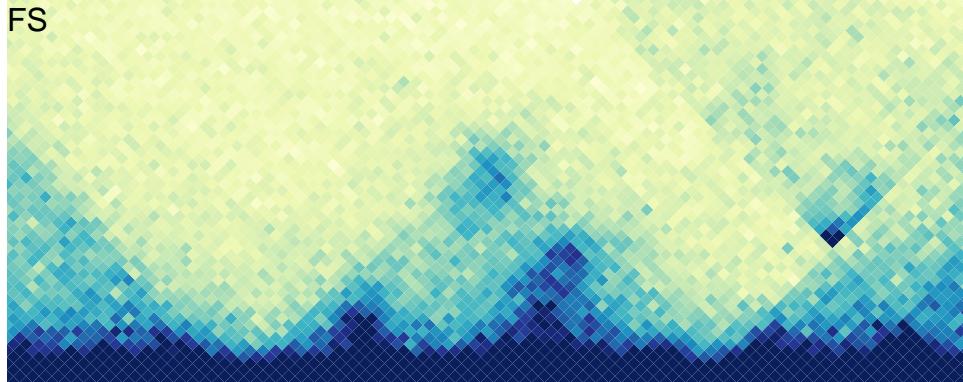
chr6

~107 Mb

WT



FS



RREB1

RIOK1

DSP

BMP6

+



-



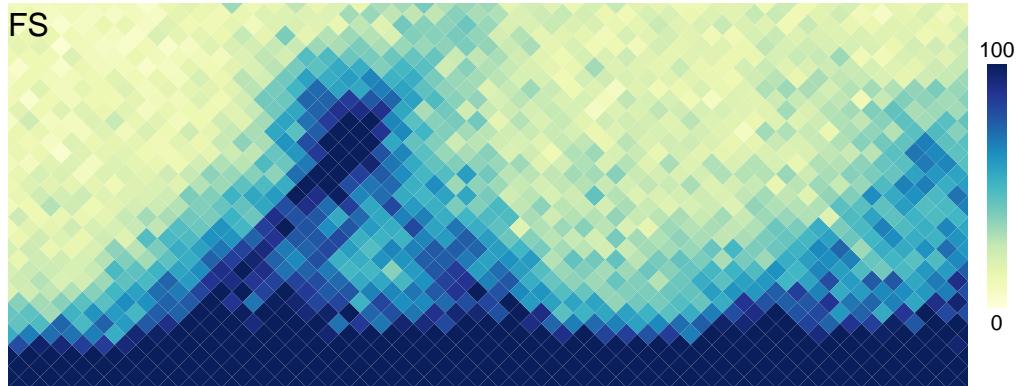
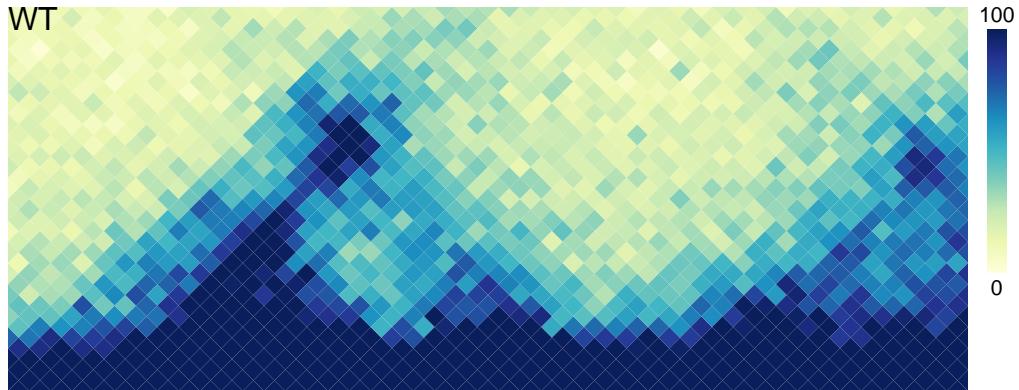
SSR1CAGE1

~7.1 Mb

chr6

~7.8 Mb

DSP-AS1



+



COL21A1

~56.2 Mb

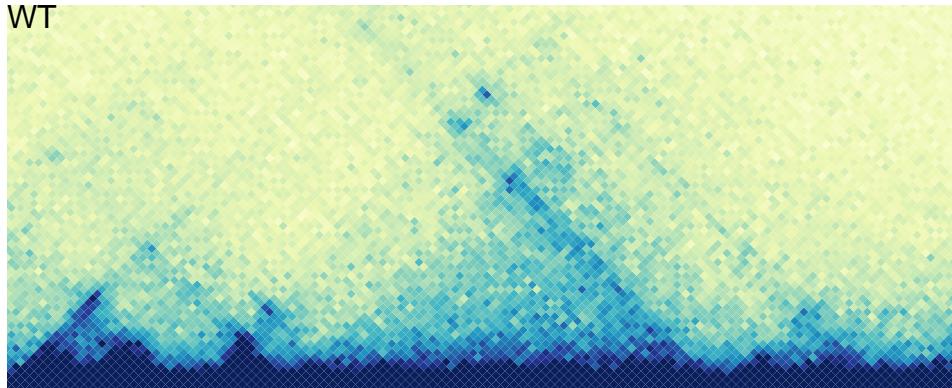
chr6

DST

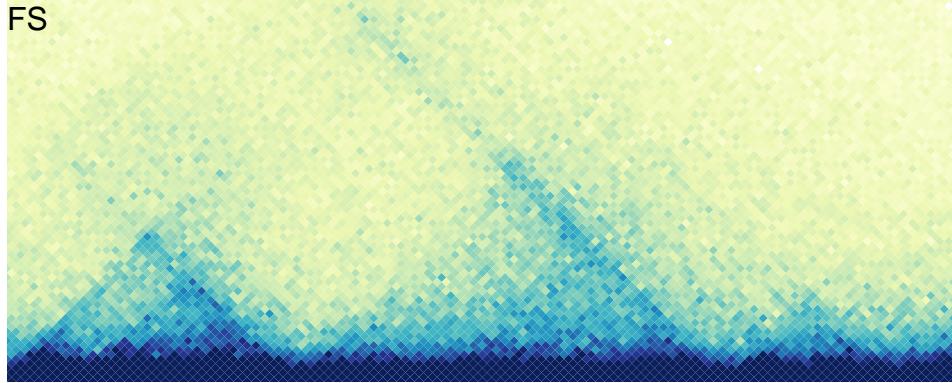
~56.6 Mb



WT

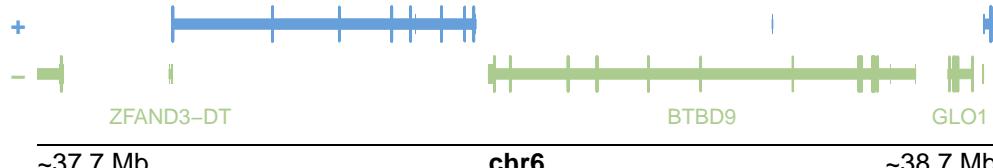


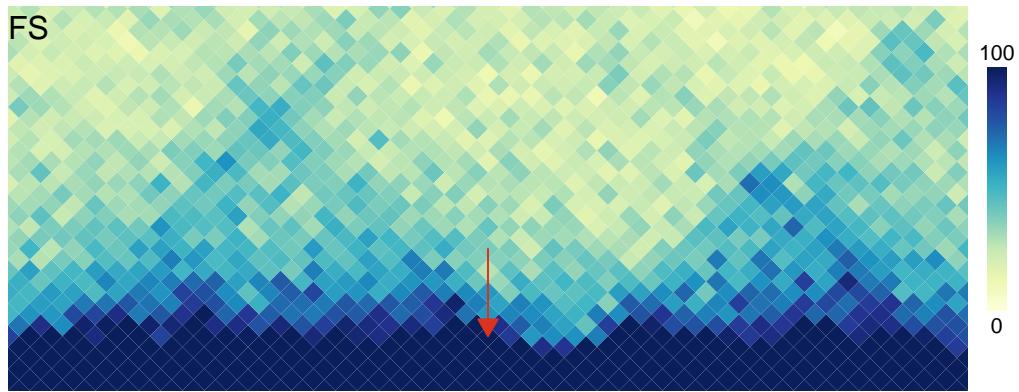
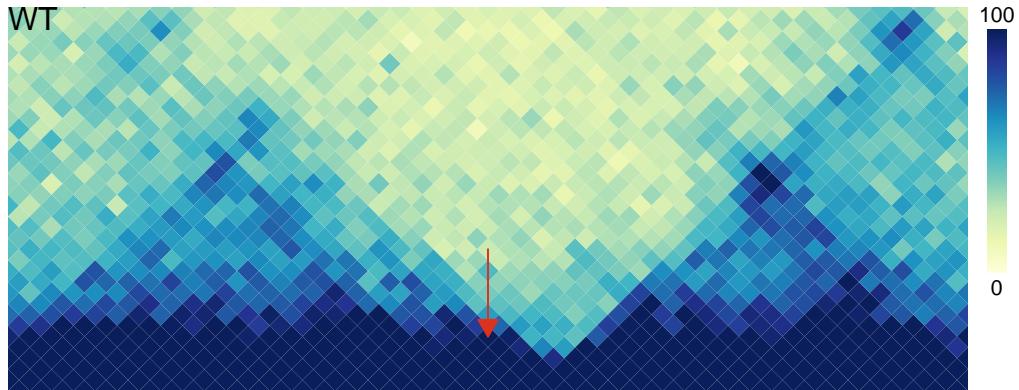
FS



ZFAND3

BTBD9-AS1





ATXN1-AS1

+

-

+

-

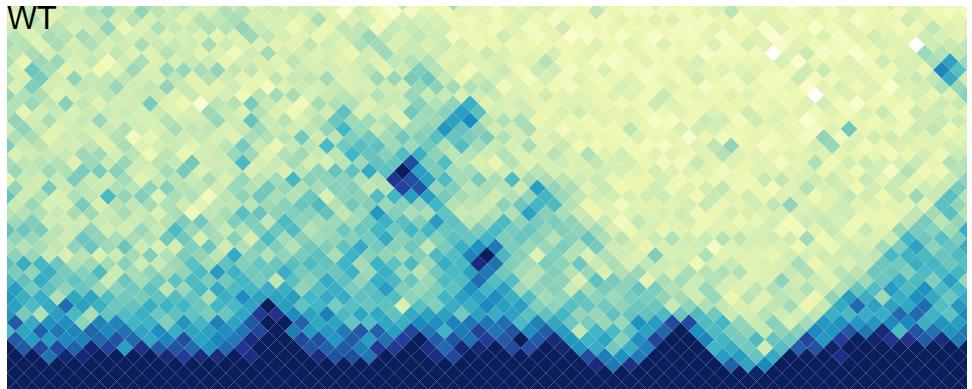
ATXN1

~16.5 Mb

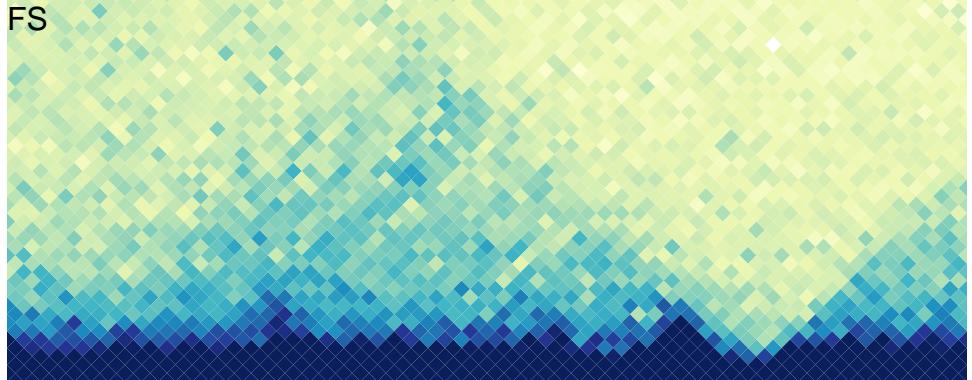
chr6

~17 Mb

WT



FS



TSG1

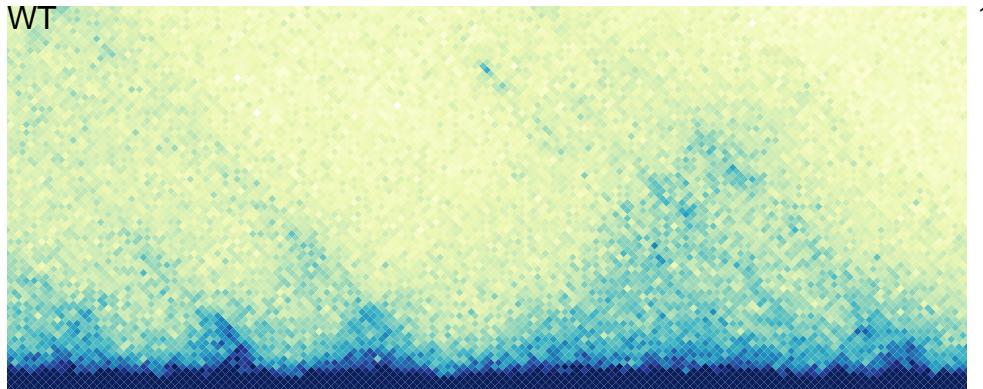


~93.7 Mb

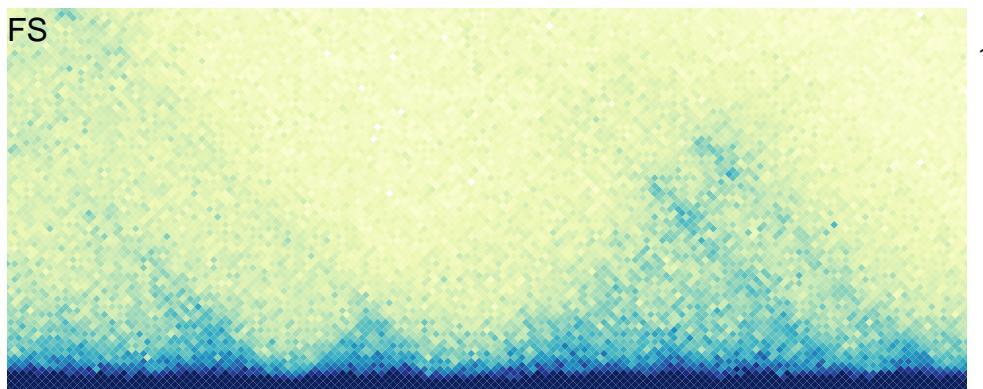
chr6

~94.3 Mb

WT



FS



LAMA2

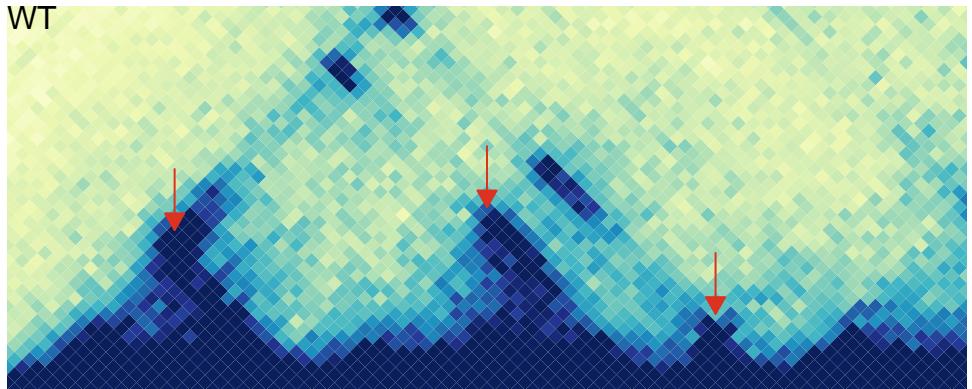


~128.5 Mb

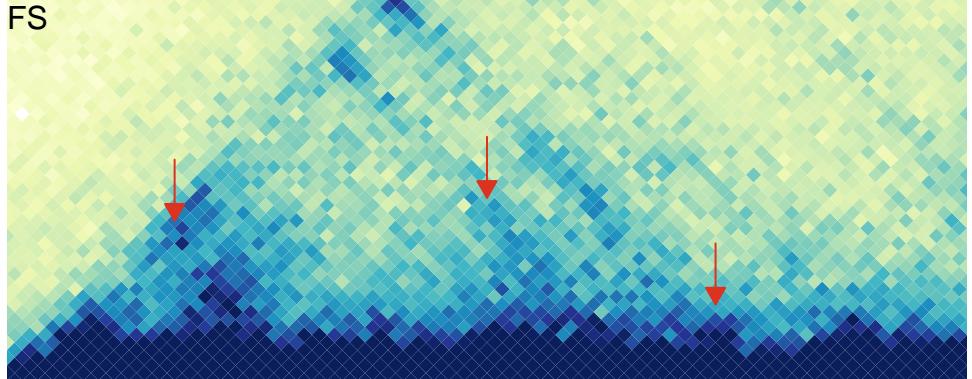
chr6

~129.7 Mb

WT



FS



+

-

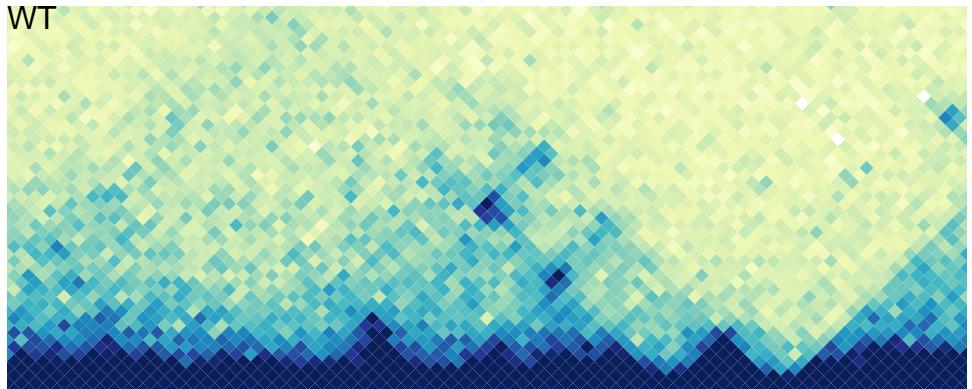
GMDS

1.6 Mb

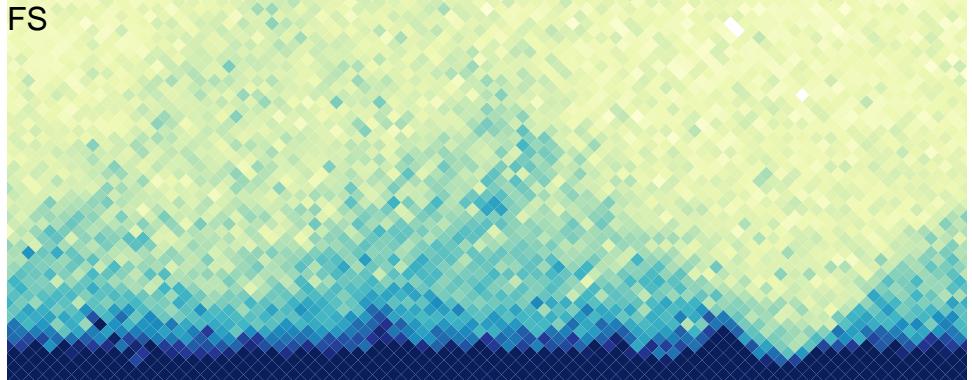
chr6

~2.2 Mb

WT



FS



TSG1

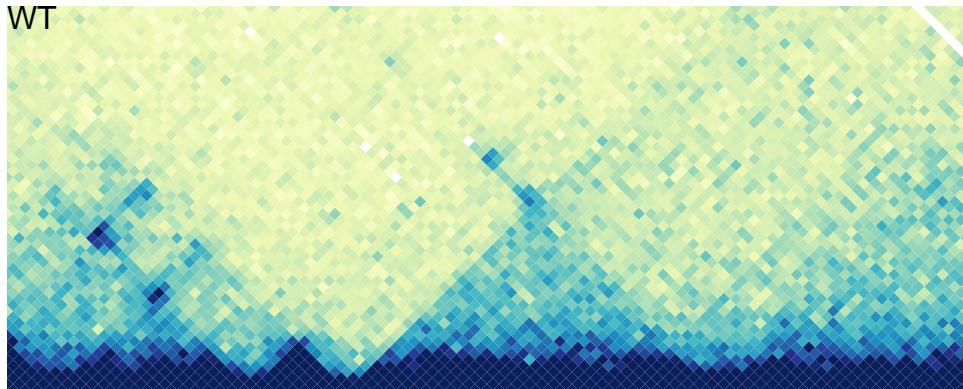


~93.6 Mb

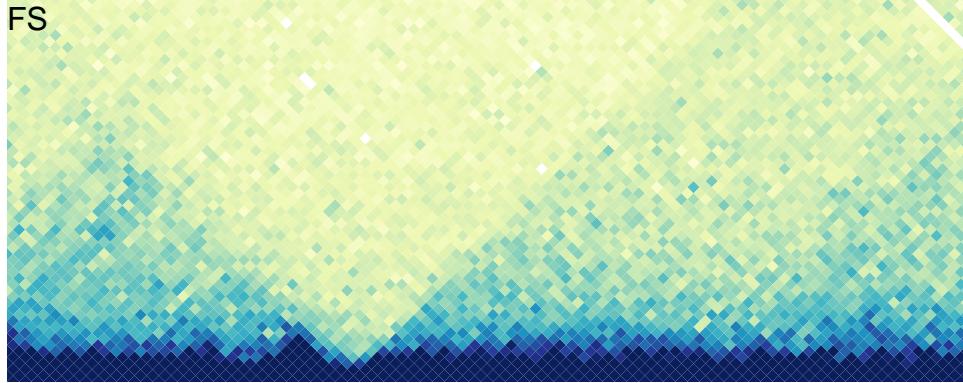
chr6

~94.3 Mb

WT



FS



+

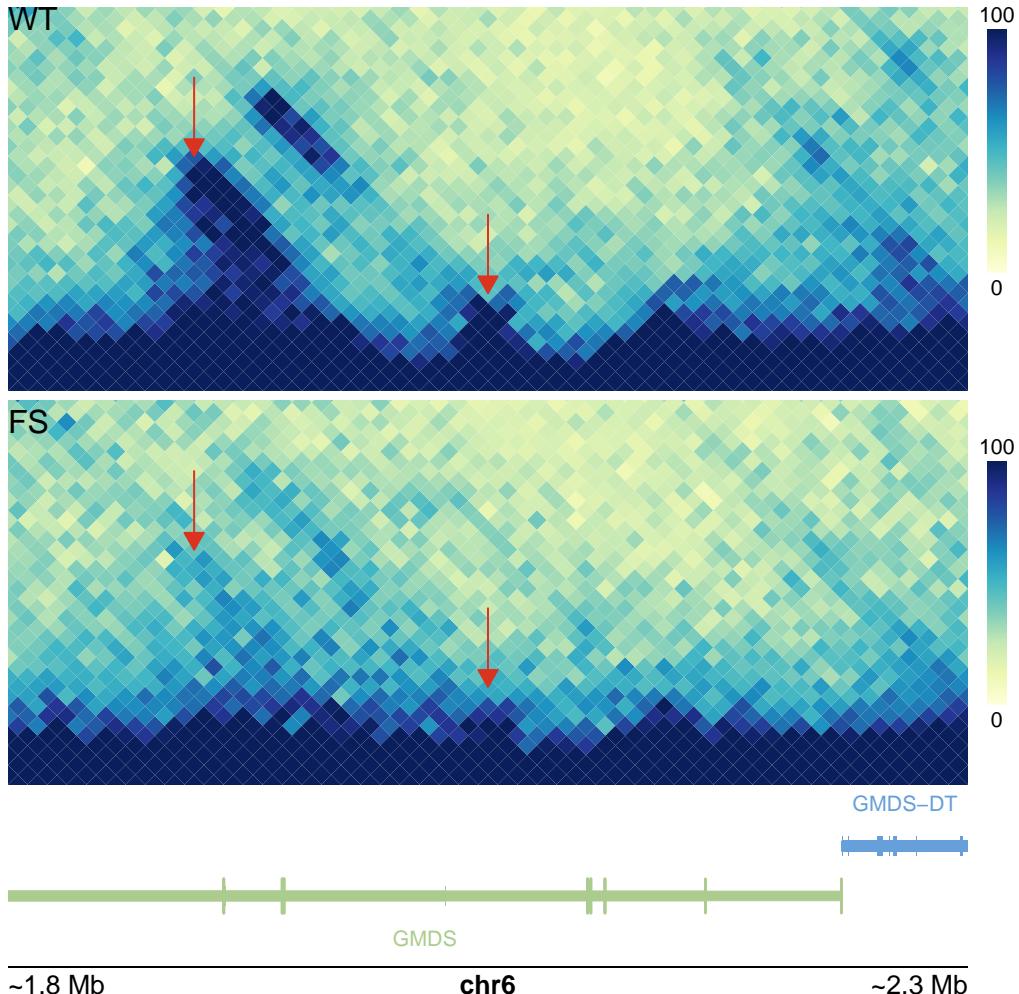
-

~93.8 Mb

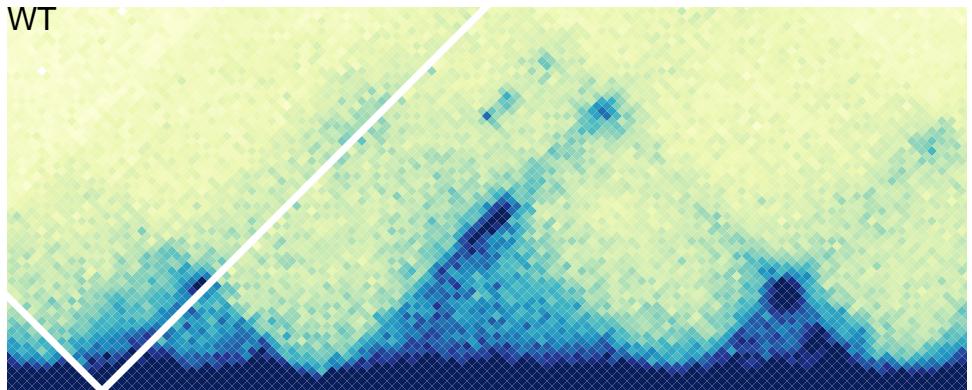
chr6

~94.6 Mb

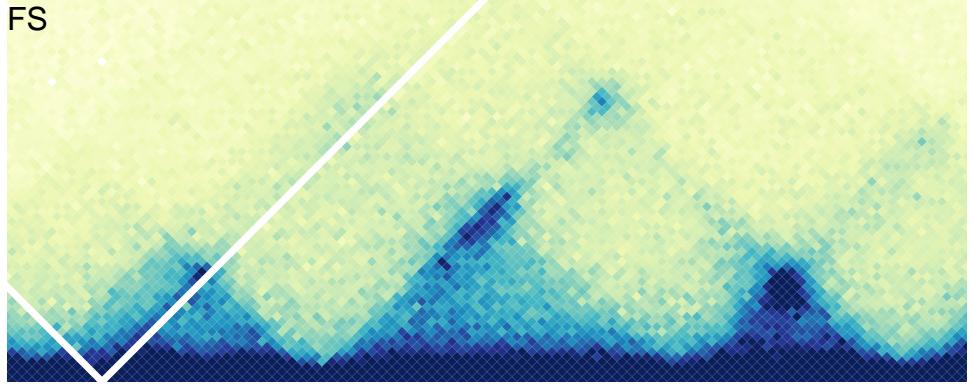




WT



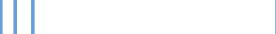
FS



LINC01013

TAAR6

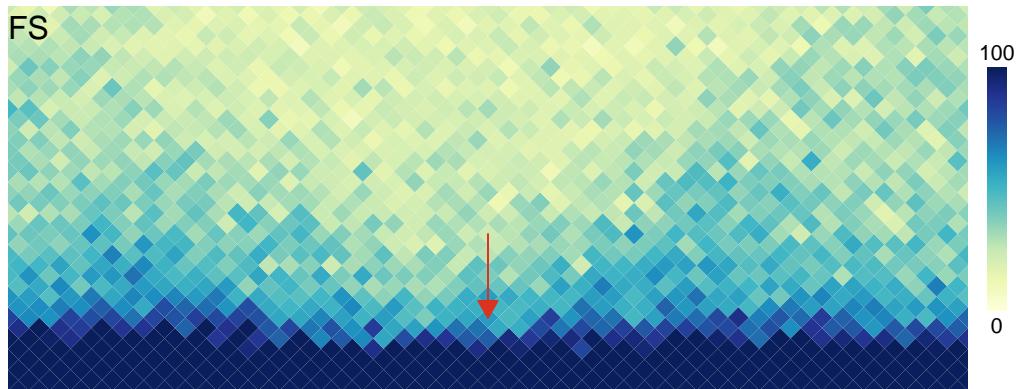
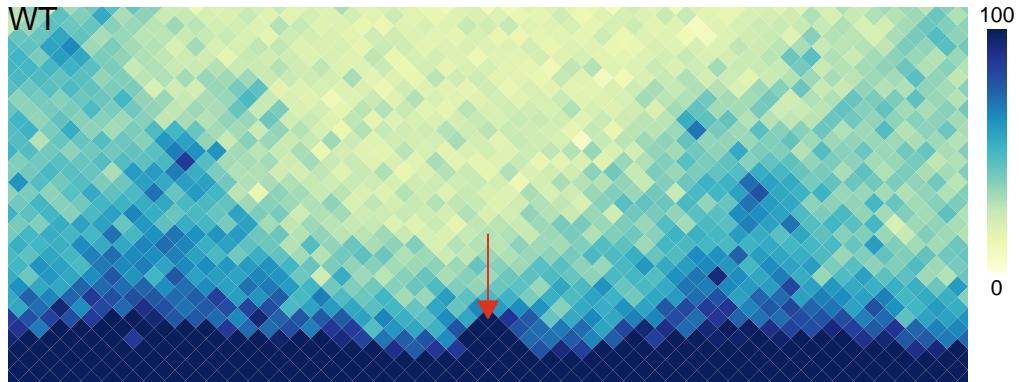
RPS12



~131.9 Mb

chr6

~132.9 Mb

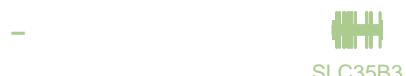


LOC105374911

LOC105374910

LOC100506207

HULC

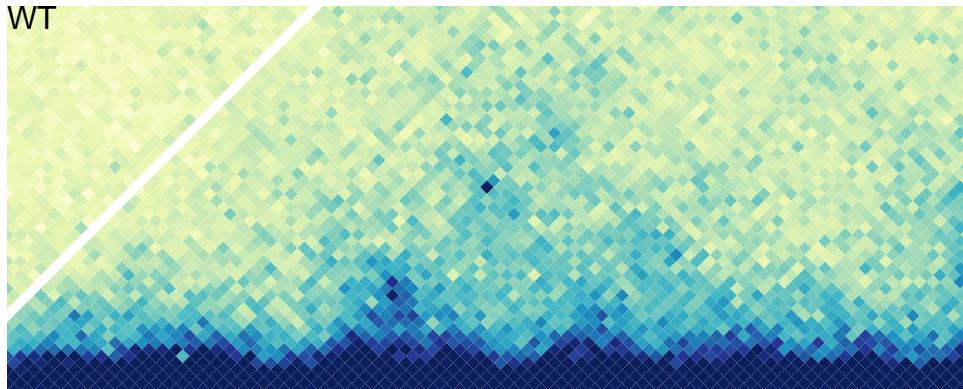


~8.3 Mb

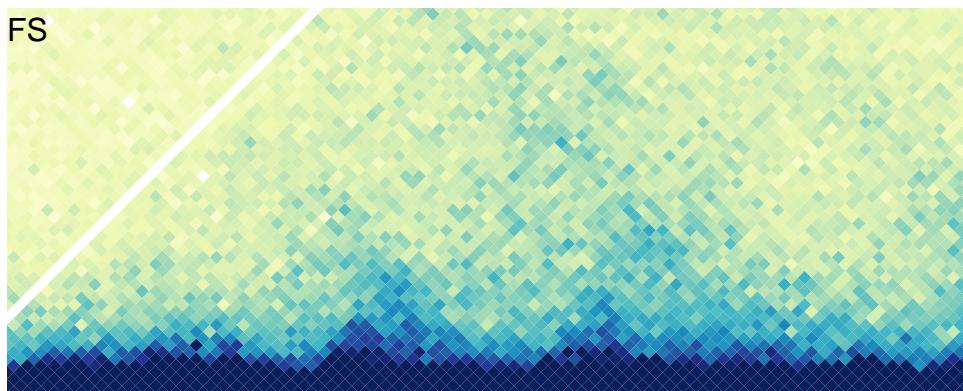
chr6

~8.7 Mb

WT



FS



SH3BGRL2

TTK

BCKDHB

+



-

LINC01621

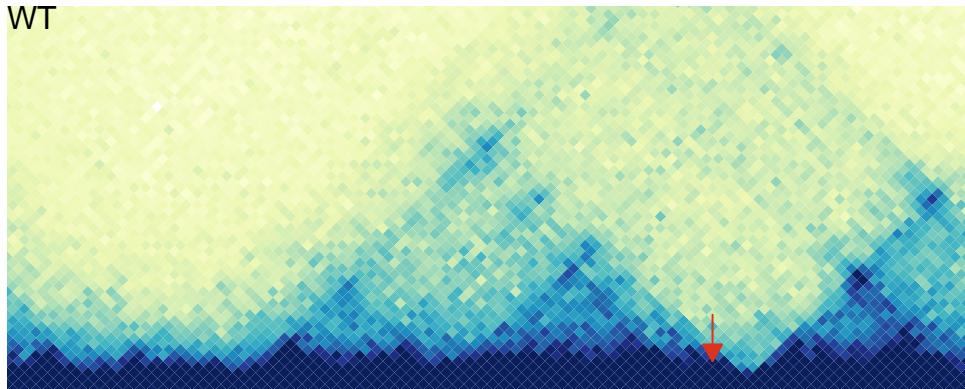
ELOVL4

chr6

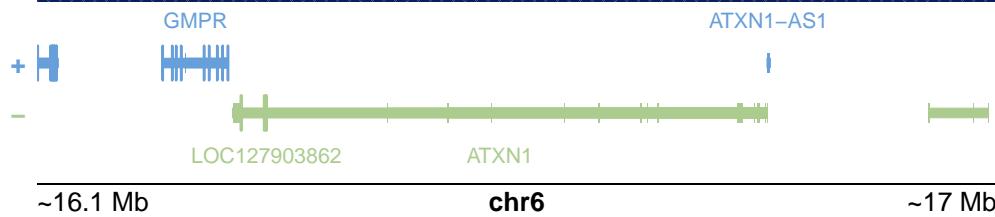
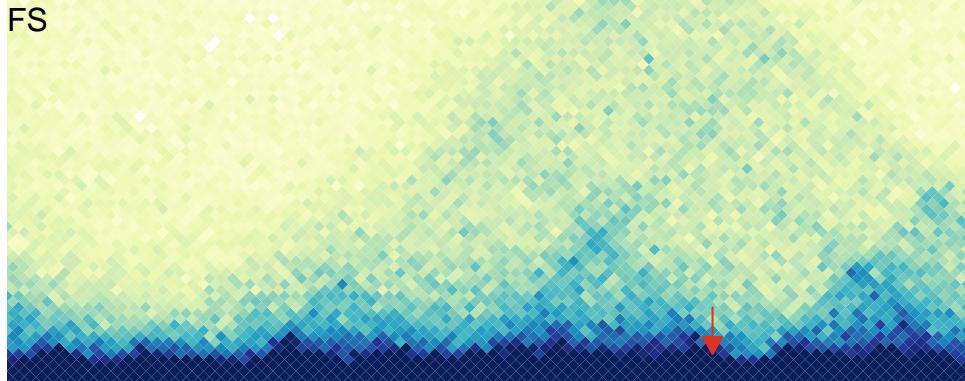
~79.6 Mb

~80.3 Mb

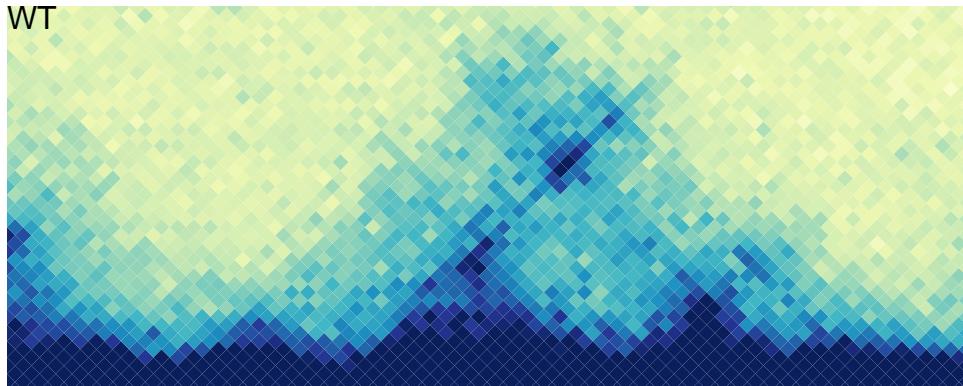
WT



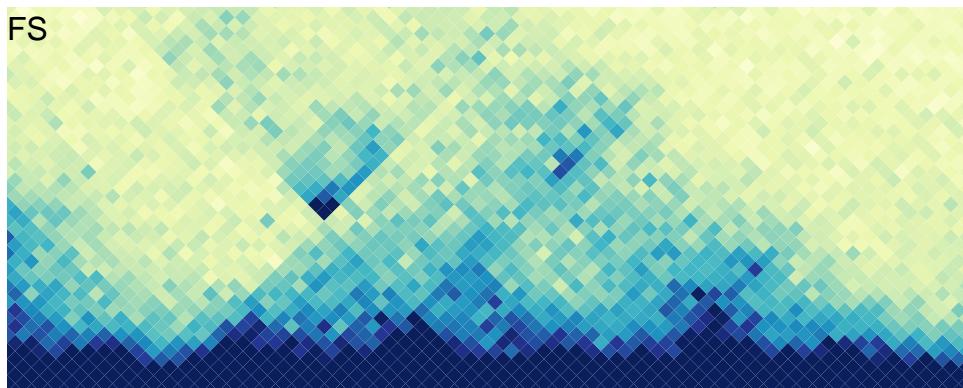
FS



WT



FS



DSP



BMP6



PIP5K1P1

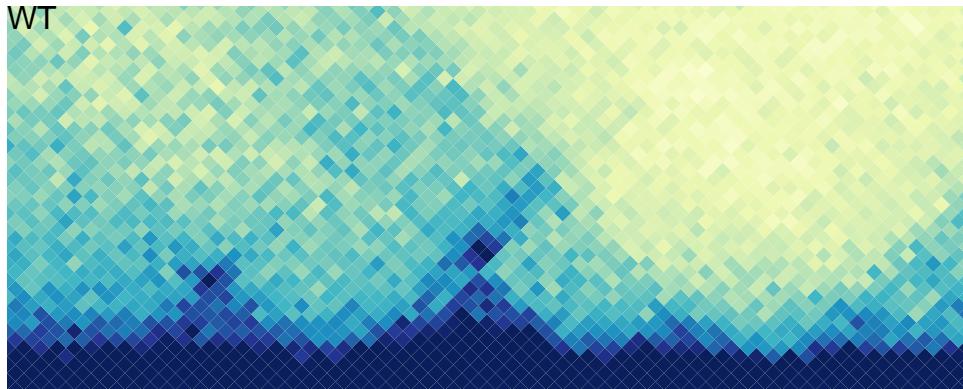


~7.5 Mb

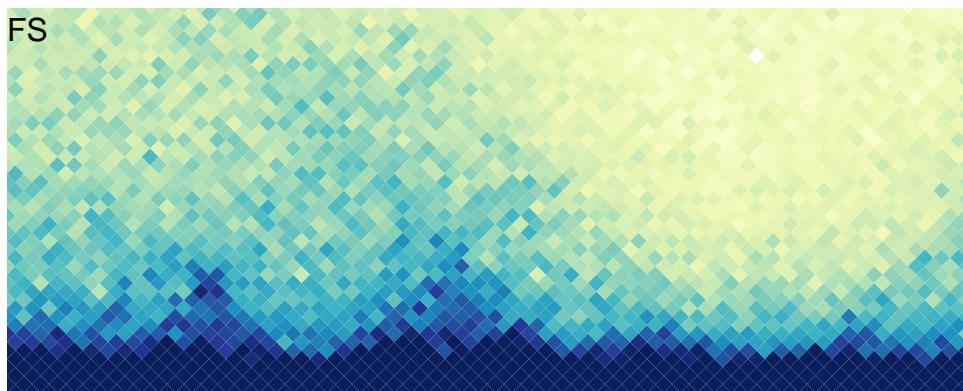
chr6

~8.1 Mb

WT



FS



CDYL

PPP1R3G

+

-



CDYL-AS1



RPP40



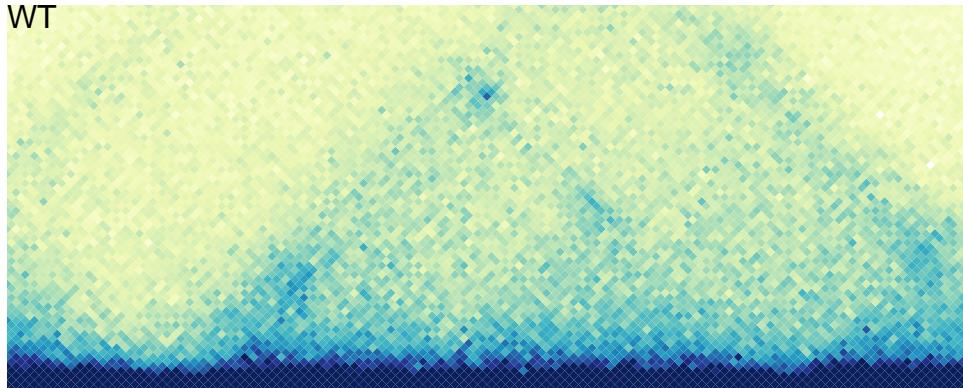
LYRM4

~4.6 Mb

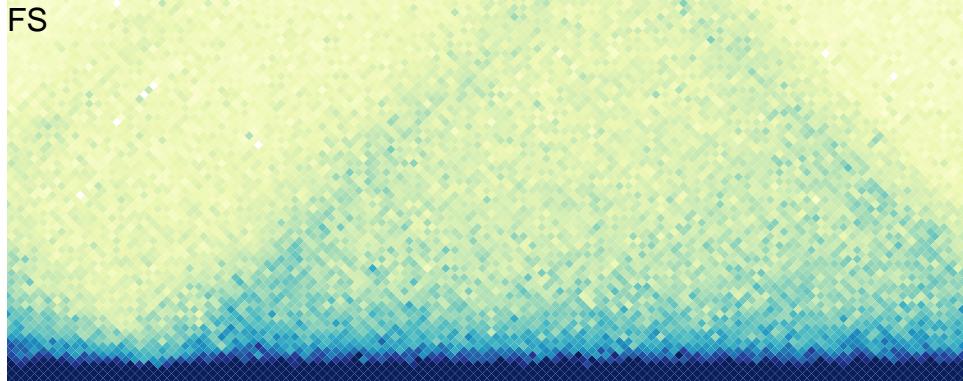
chr6

~5.2 Mb

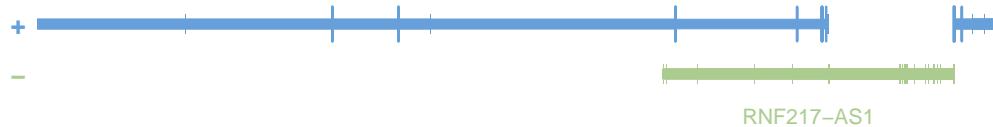
WT



FS



NKAIN2

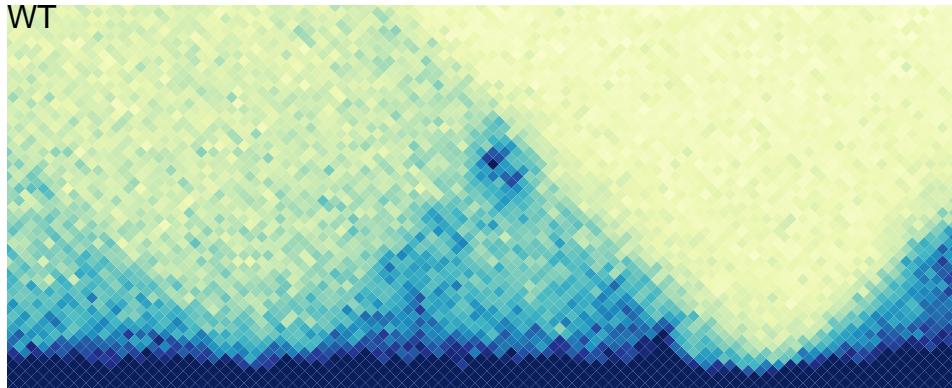


~124 Mb

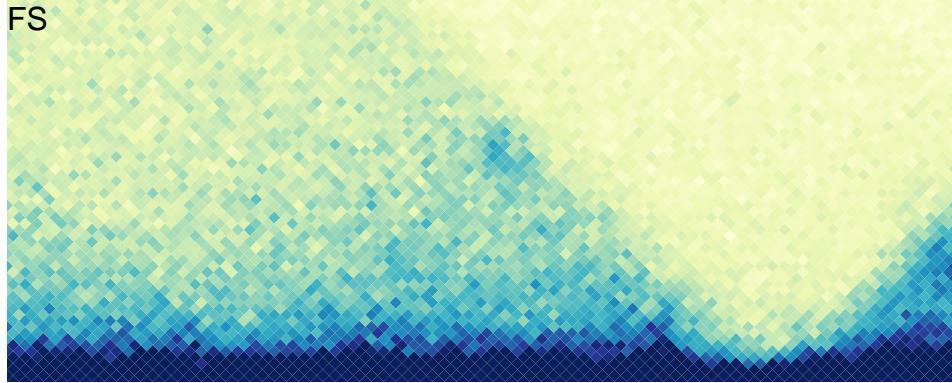
chr6

~125 Mb

WT



FS



TFAP2A-AS1 GCNT2



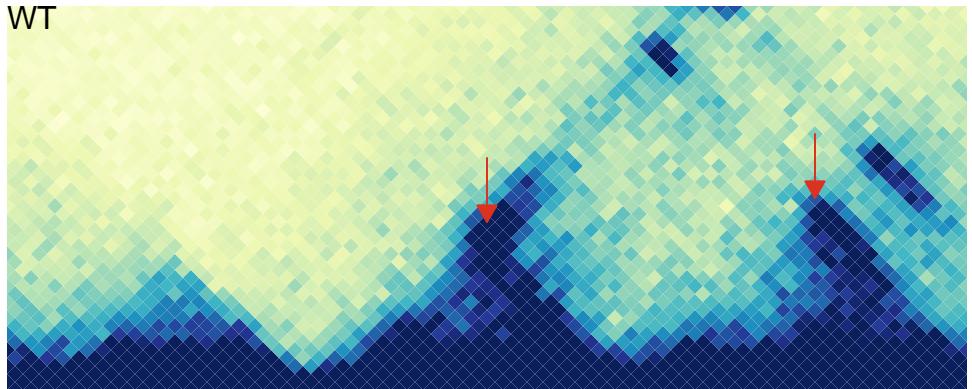
OFCC1

~9.8 Mb

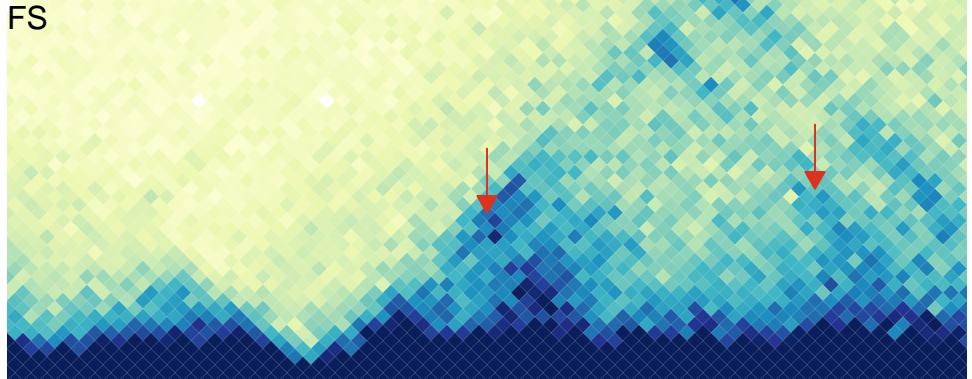
chr6

~10.6 Mb

WT



FS



FOXC1



~1.4 Mb

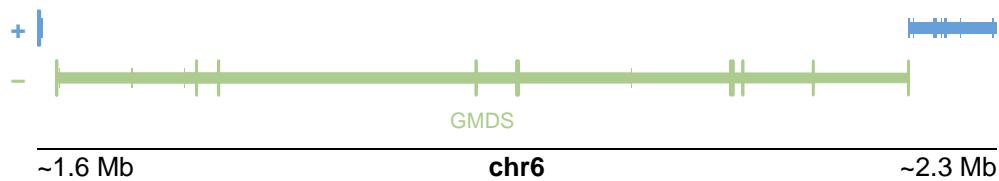
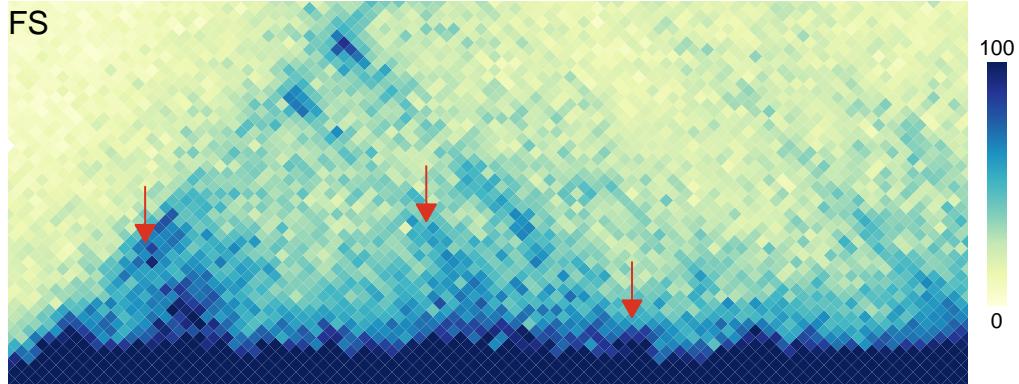
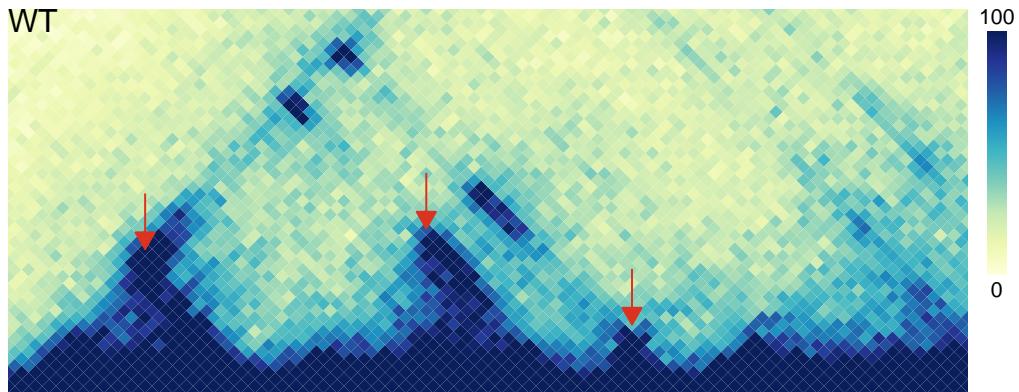
chr6

~2 Mb

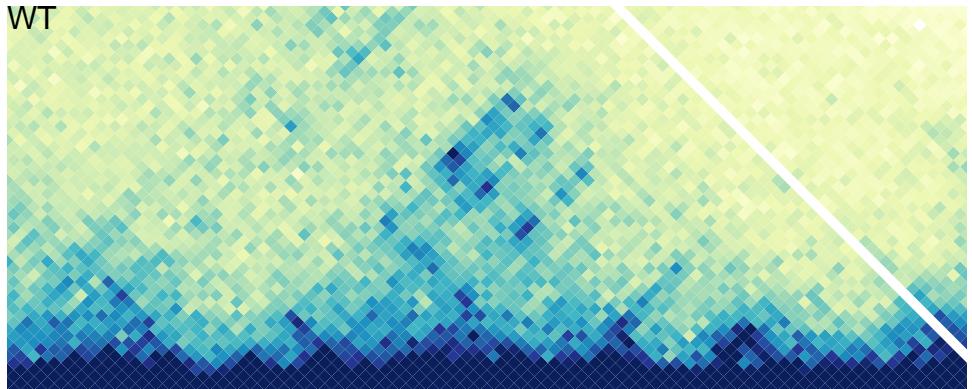
+

-

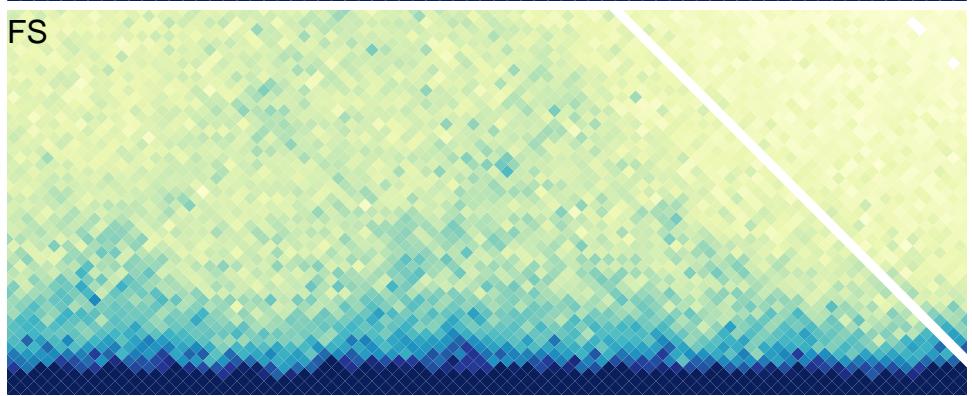
GMDS



WT



FS



RSRC1



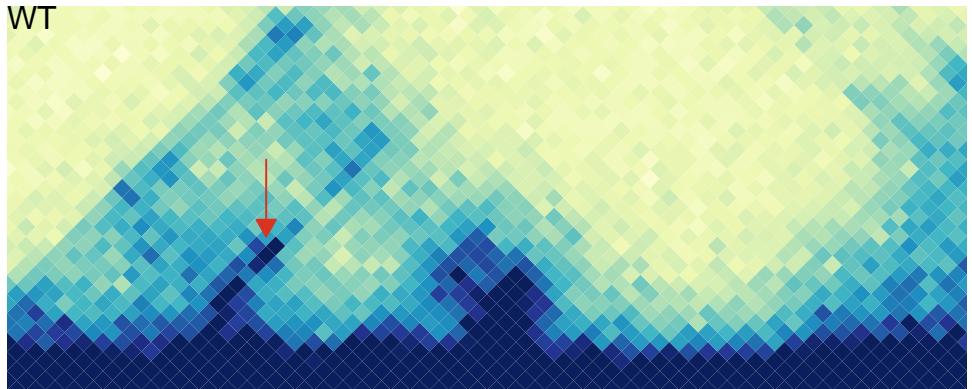
~157.6 Mb

chr3

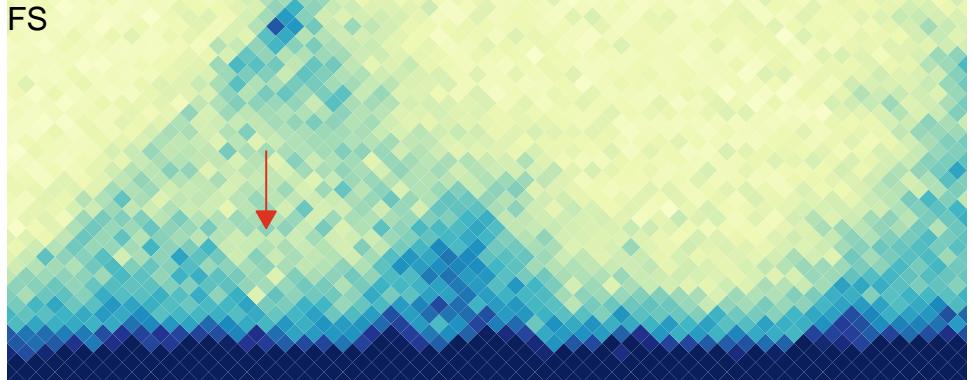
~158.3 Mb

SHOX2

WT



FS



+

-

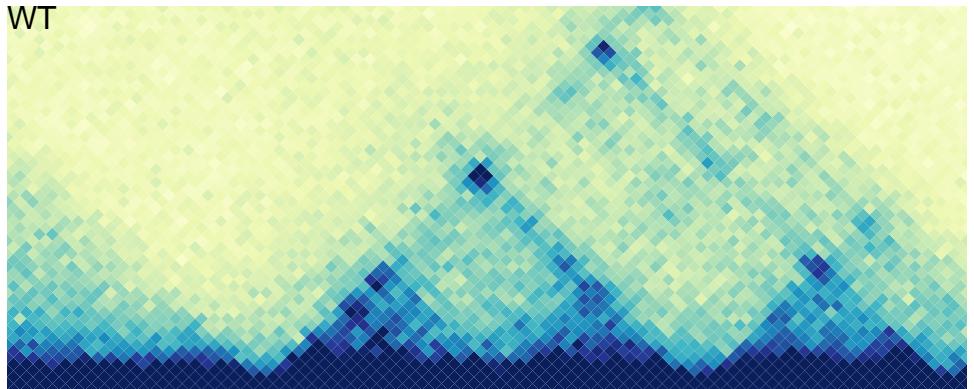
~78.8 Mb

ROBO1

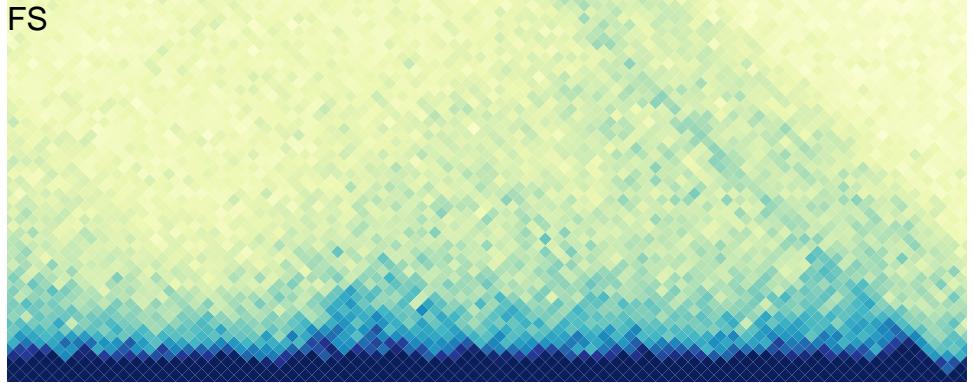
chr3

~79.2 Mb

WT



FS



FOXP1-AS1

FOXP1-DT

+

|||||

|||||

-

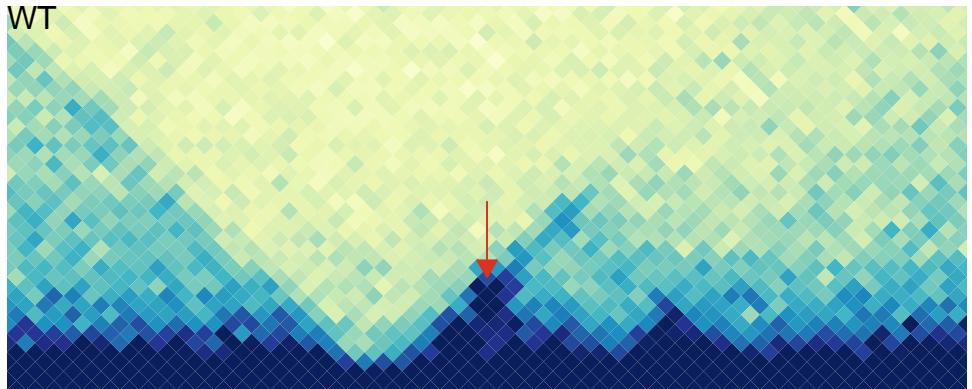


~70.9 Mb

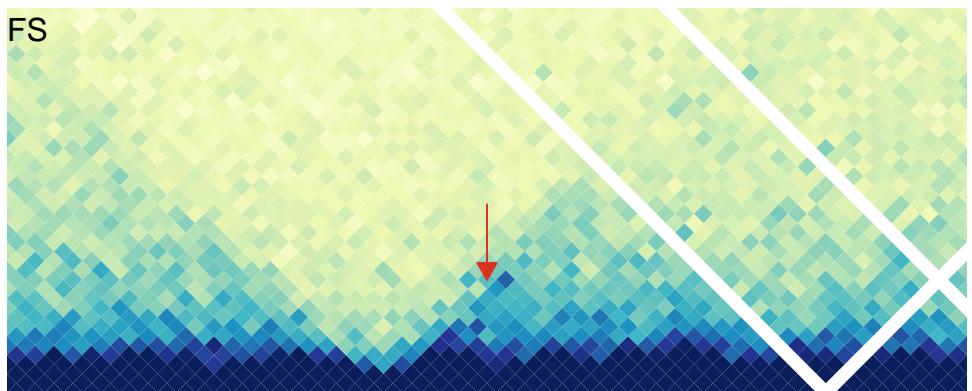
chr3

~71.7 Mb

WT



FS



EPHA3

+

-

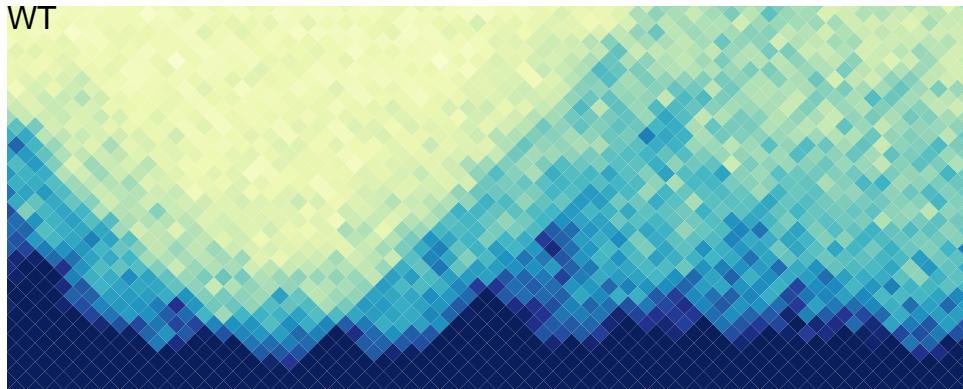


~89 Mb

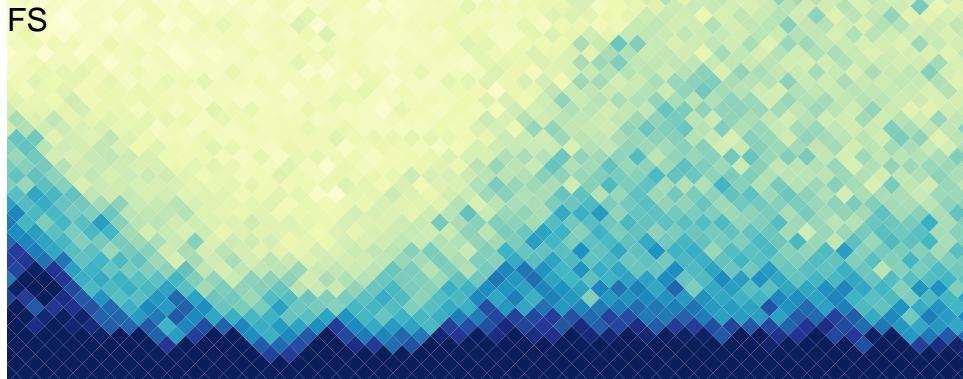
chr3

~89.5 Mb

WT



FS



MAPKAPK3

DOCK3

+



-



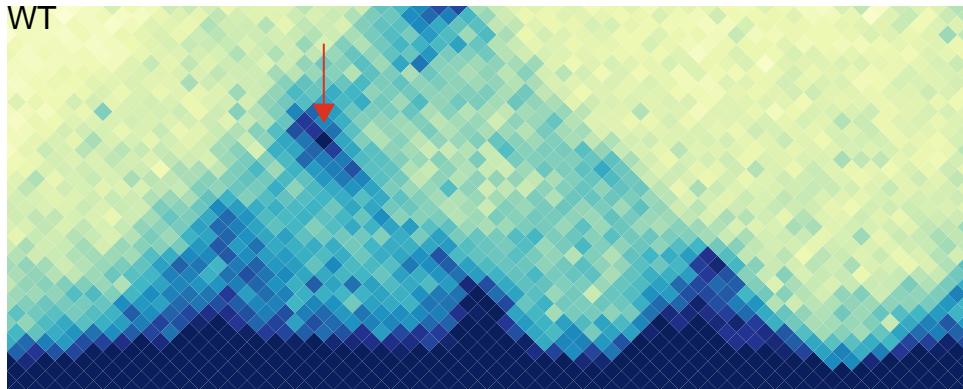
C3orf18 CISH

~50.5 Mb

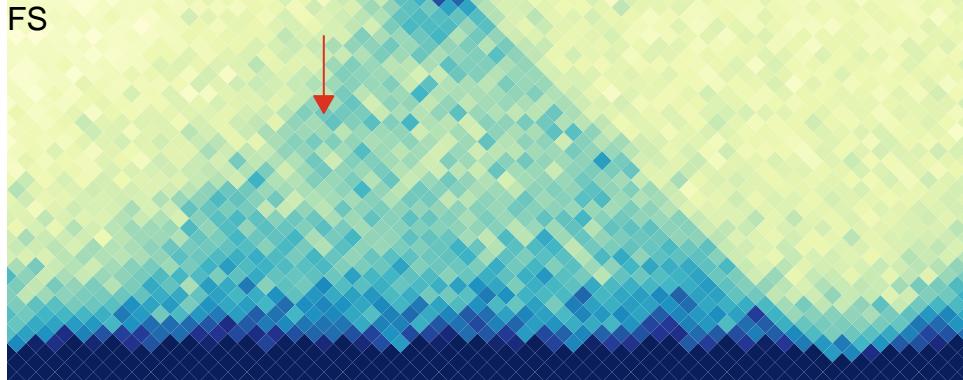
chr3

~51 Mb

WT



FS



TRMT10C

ZBTB11-AS1

CEP97

NFKBIZ

RDUR

+

-

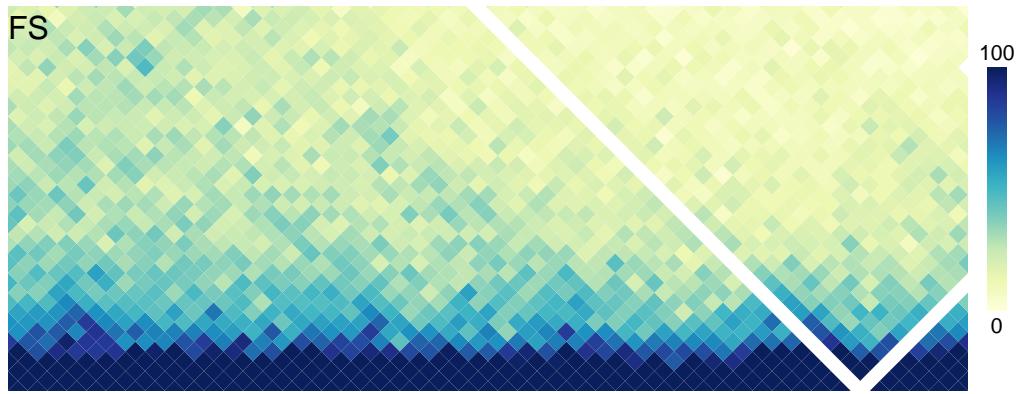
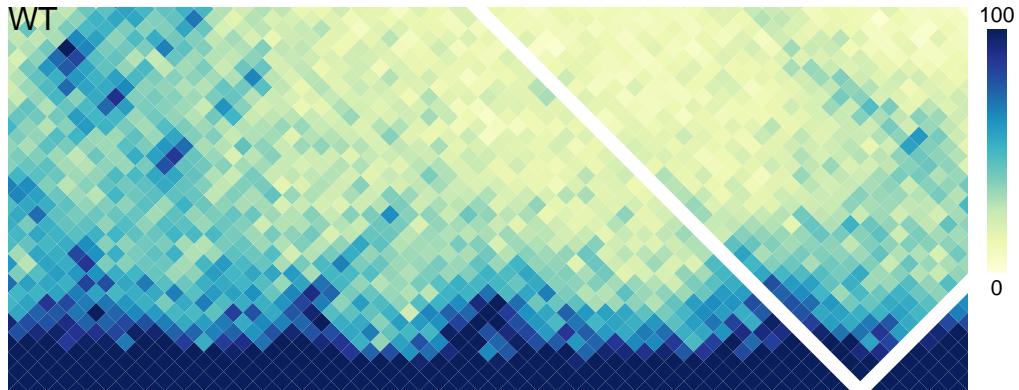


RPL24

~101.5 Mb

chr3

~102 Mb



RSRC1

+

-

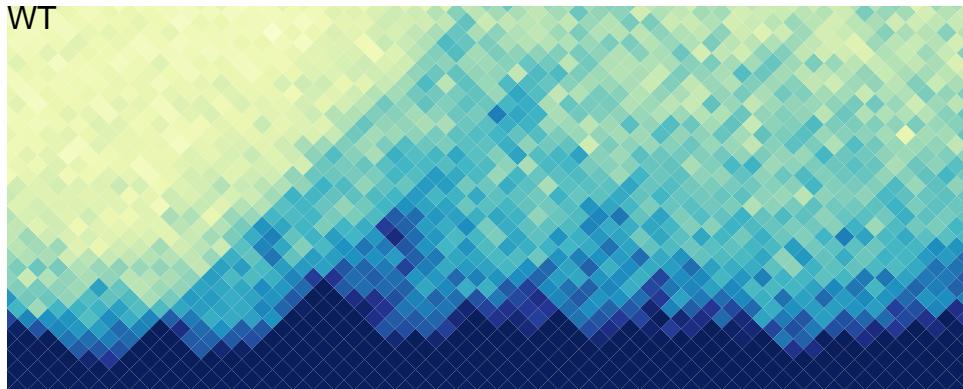


~157.9 Mb

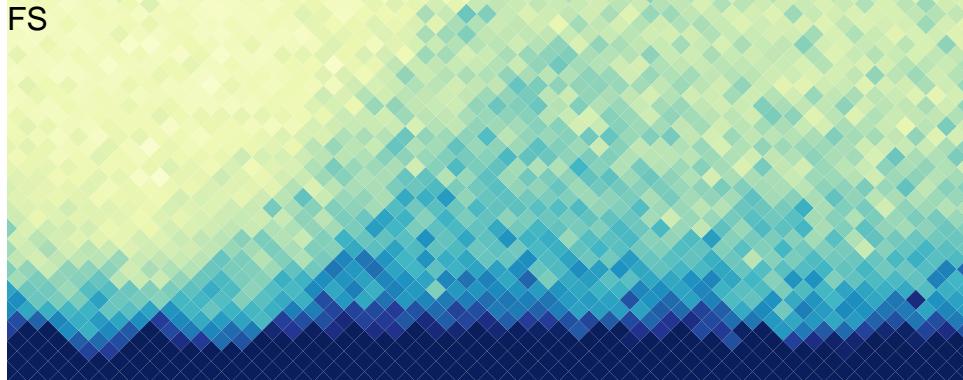
chr3

~158.4 Mb

WT

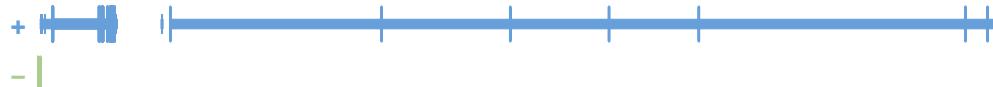


FS



MIR4787

DOCK3

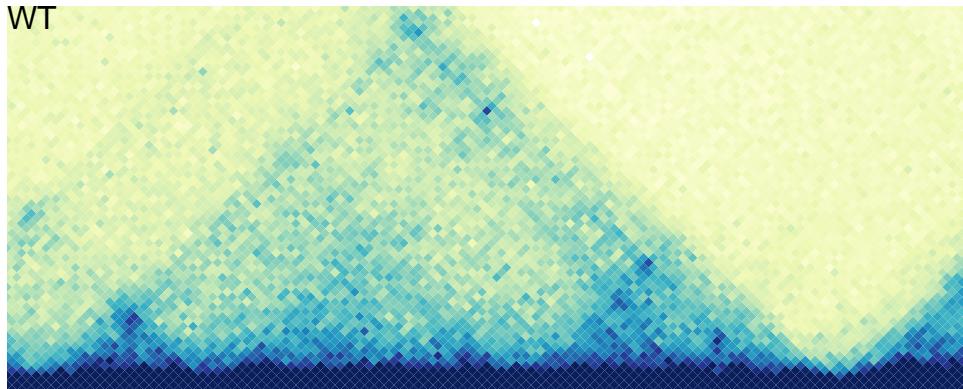


~50.6 Mb

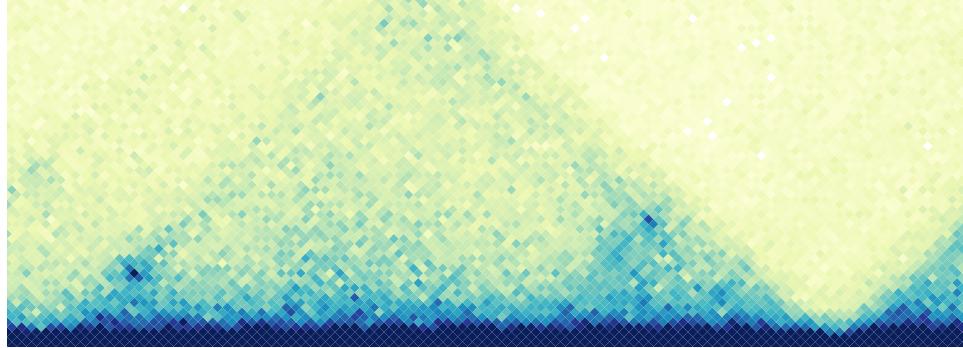
chr3

~51.1 Mb

WT



FS



ST3GAL6

LOC105374002



DCBLD2

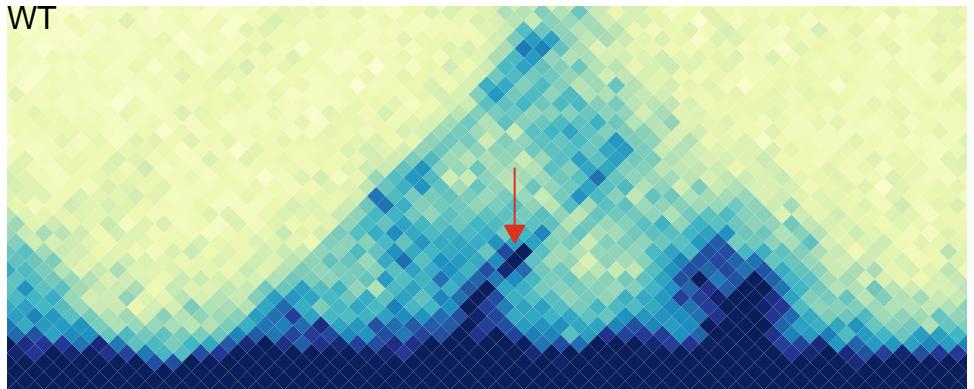
LOC105374005

~98.7 Mb

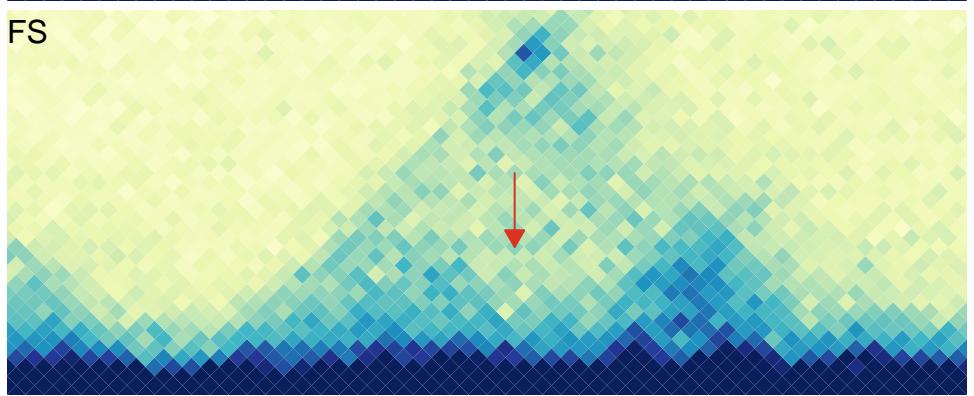
chr3

~99.7 Mb

WT



FS



+

-

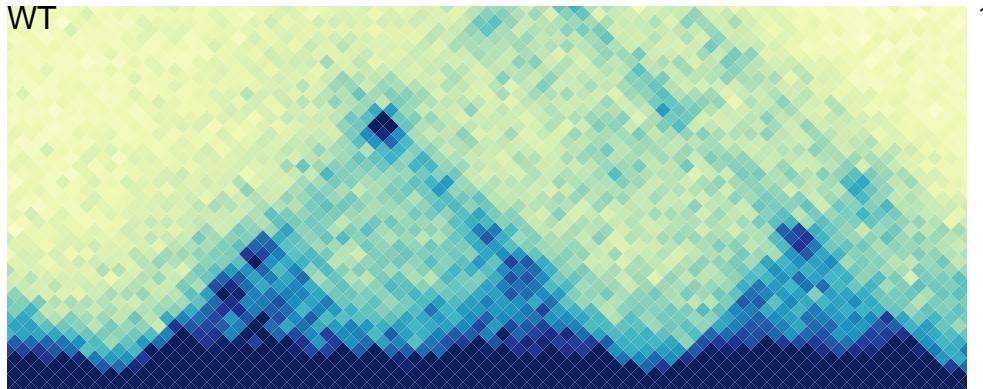
ROBO1

~78.6 Mb

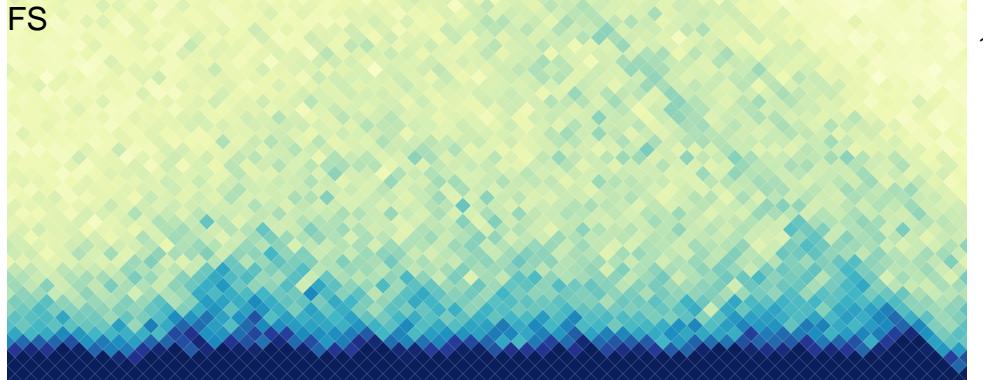
chr3

~79.1 Mb

WT



FS



FOXP1-AS1

FOXP1-DT

+

|||||

|||||

-

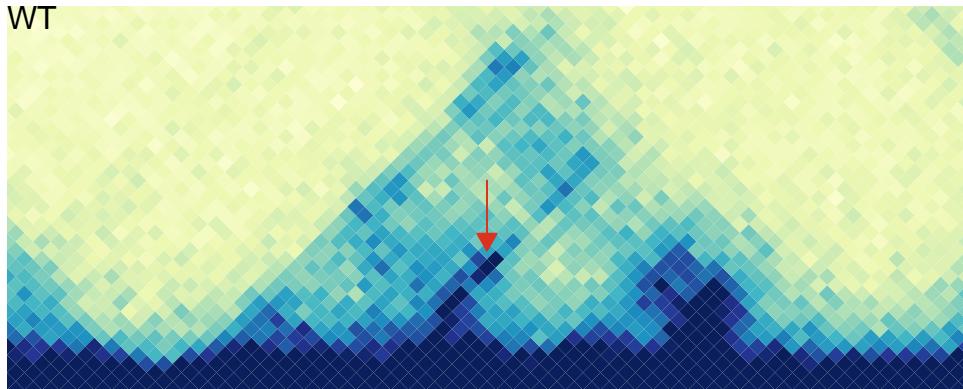


~71 Mb

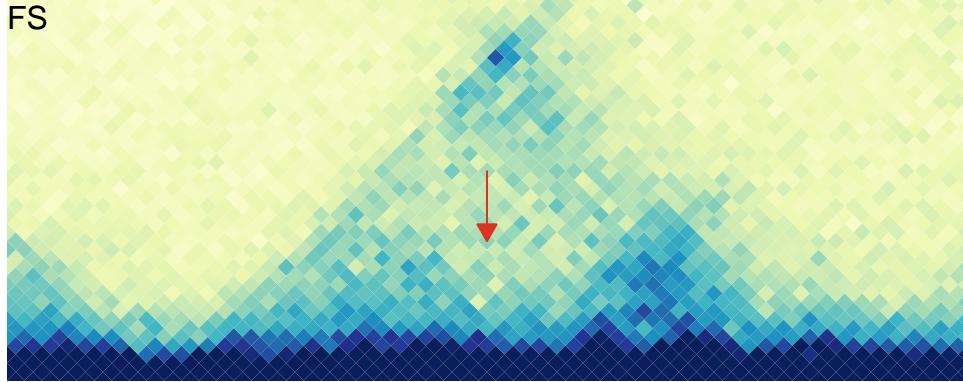
chr3

~71.6 Mb

WT



FS



+

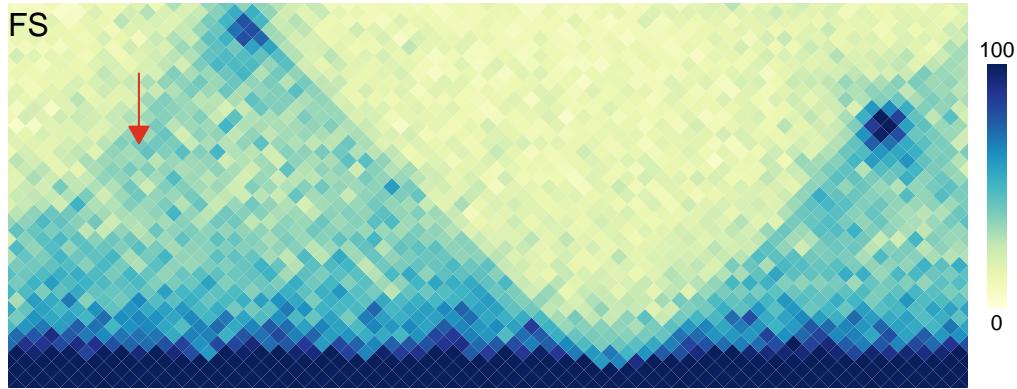
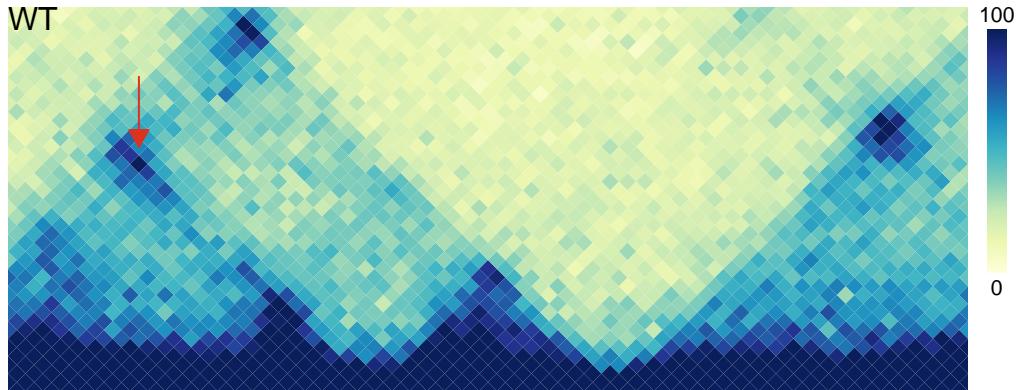
-

ROBO1

~78.6 Mb

chr3

~79.2 Mb



ZBTB11-AS1 CEP97 NFKBIZ RDUR ZPLD1

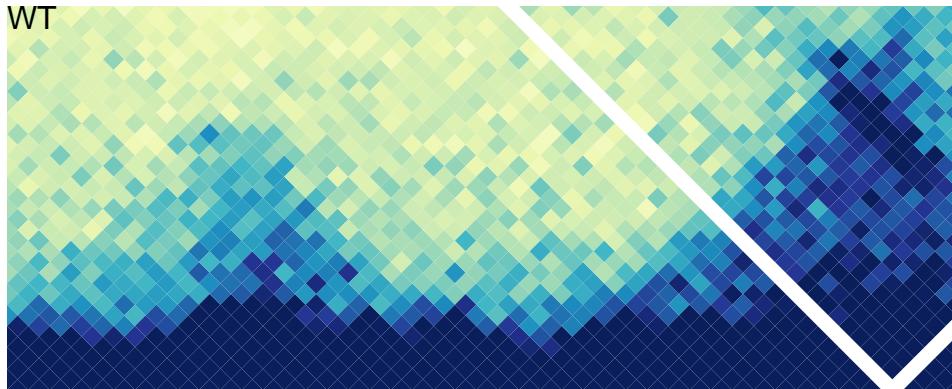


101.6 Mb

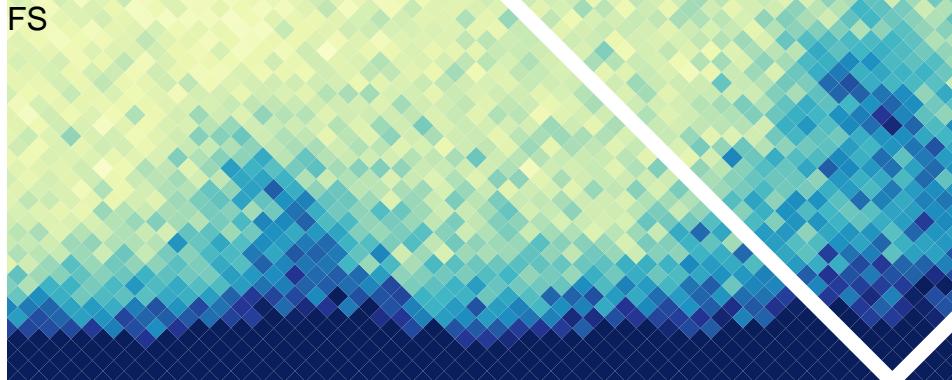
chr3

~102.2 Mb

WT



FS



PIGX

PAK2

SENP5

MELTF-AS1



NCBP2

MELTF

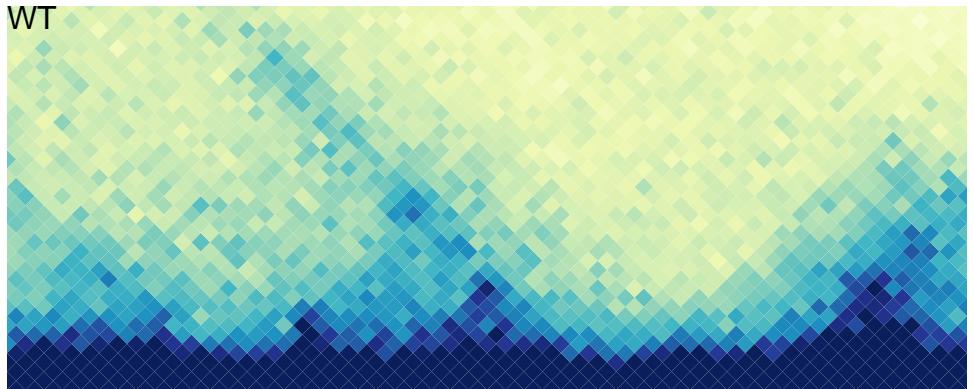
DLG1

196.7 Mb

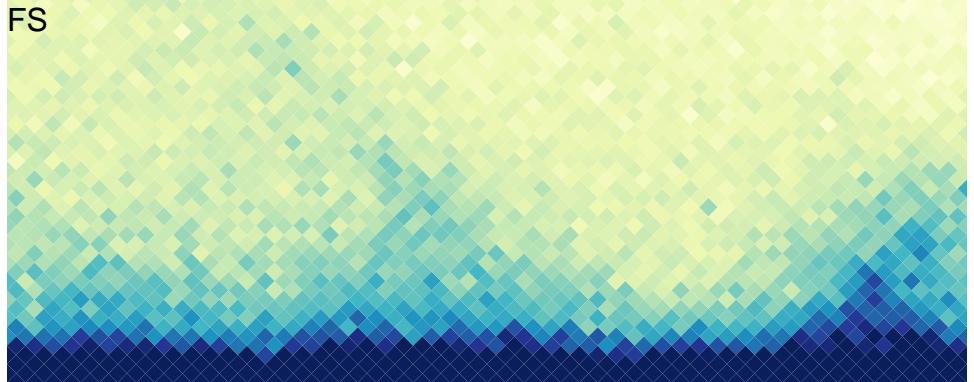
chr3

~197.2 Mb

WT



FS



+

-

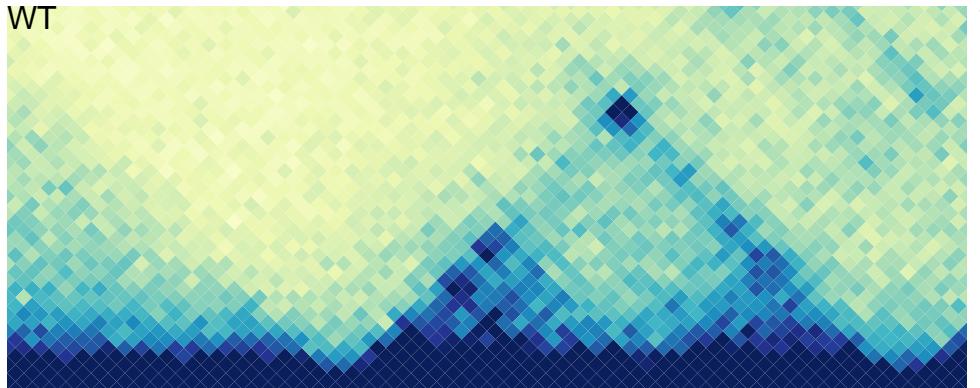
ERC2

~56 Mb

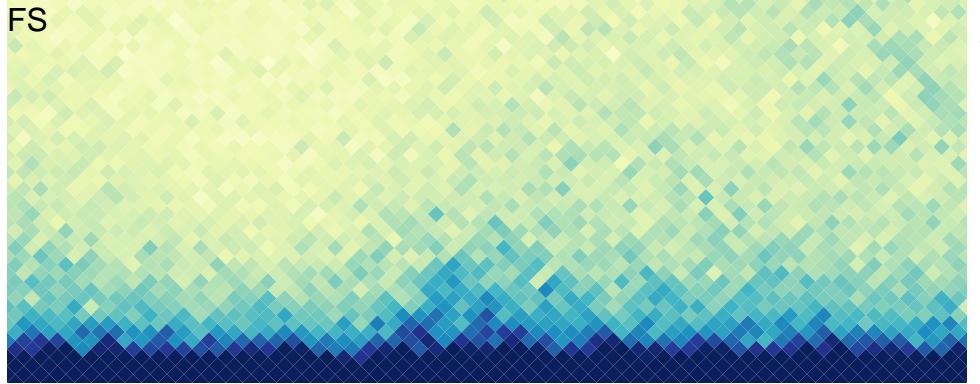
chr3

~56.5 Mb

WT



FS



FOXP1-AS1

+

-



FOXP1

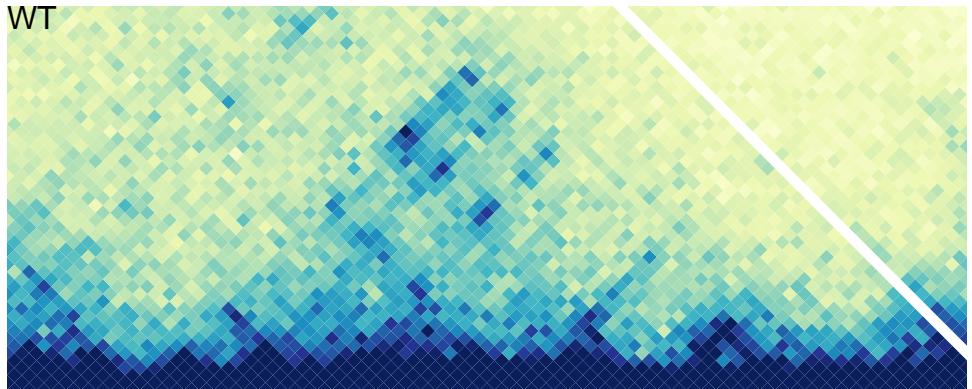
EIF4E3

~70.9 Mb

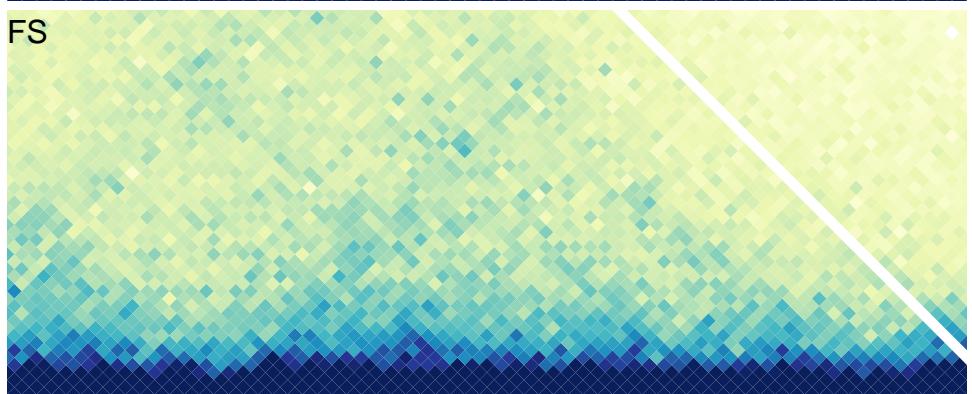
chr3

~71.5 Mb

WT



FS



RSRC1



chr3

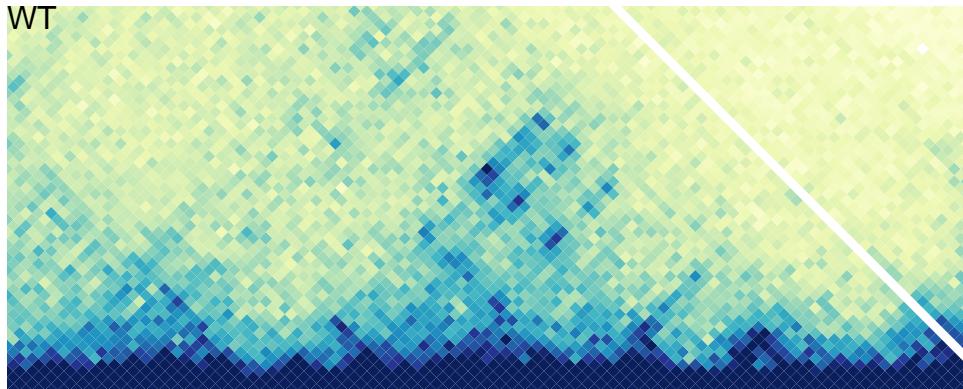
~157.7 Mb

~158.3 Mb

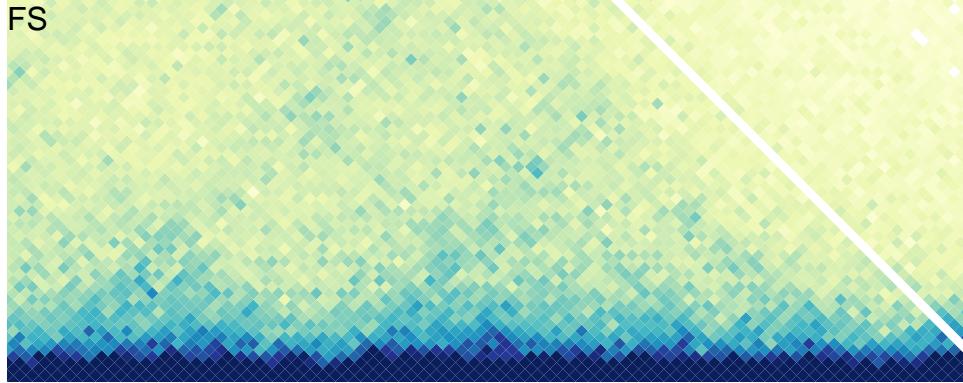
+

-

WT



FS



SLC66A1L



~157.6 Mb

chr3

RSRC1

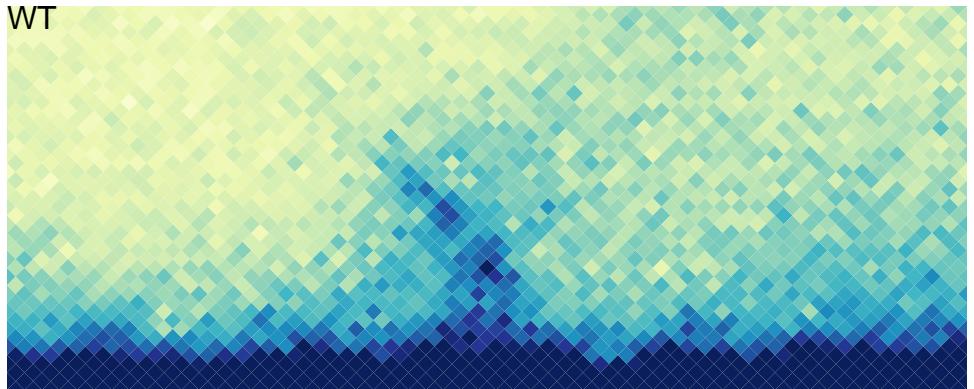


SHOX2

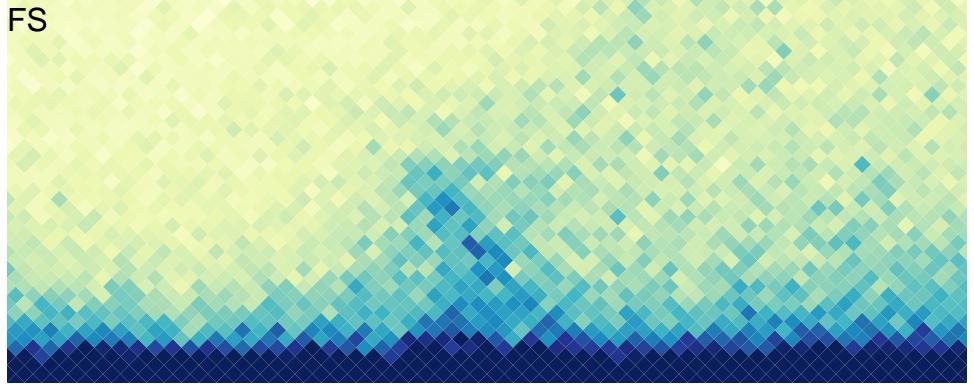


~158.3 Mb

WT



FS



CHMP2B



+

-



POU1F1

87.2 Mb

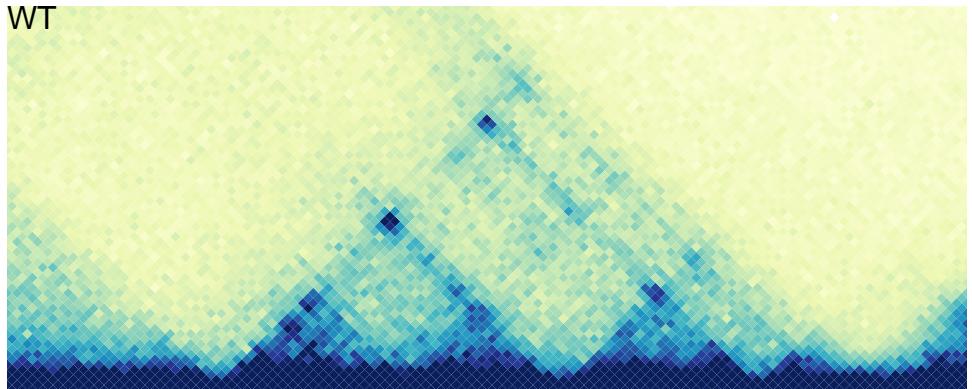
chr3

~87.8 Mb

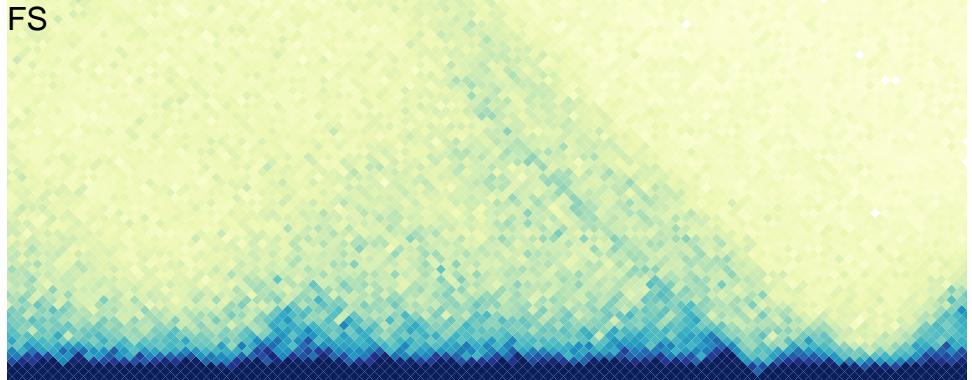


LOC105377198

WT



FS



FOXP1-AS1

LOC105377155

GPR27

FOXP1

EIF4E3

PROK2

70.9 Mb

chr3

~71.8 Mb

+

-



+

-

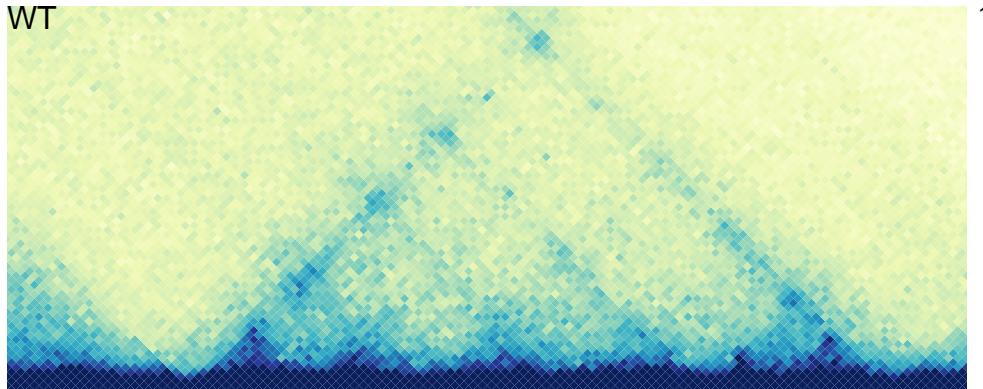
+

-

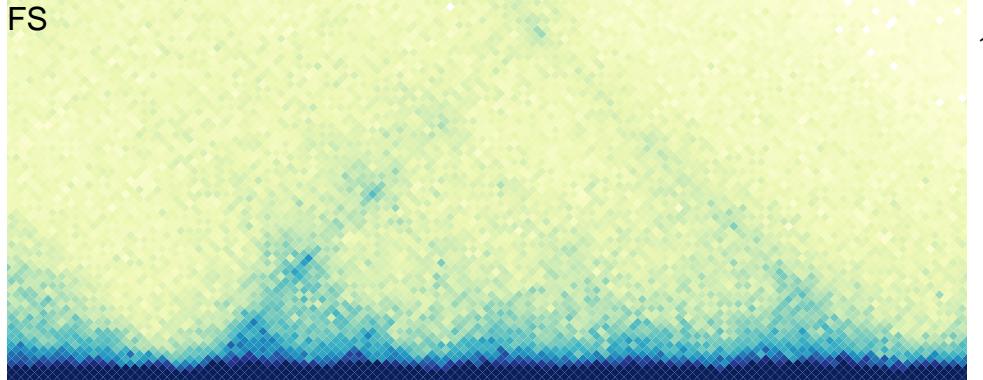
+

-

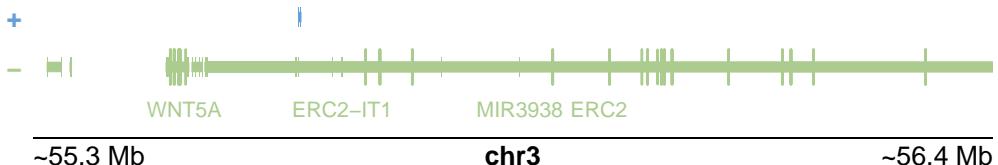
WT



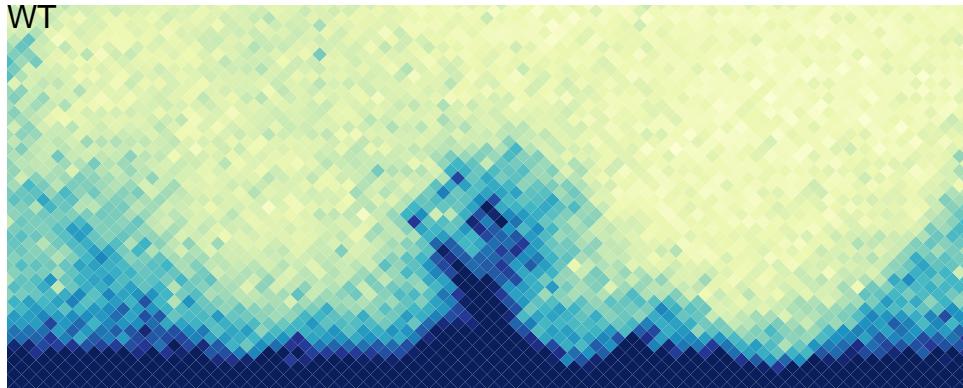
FS



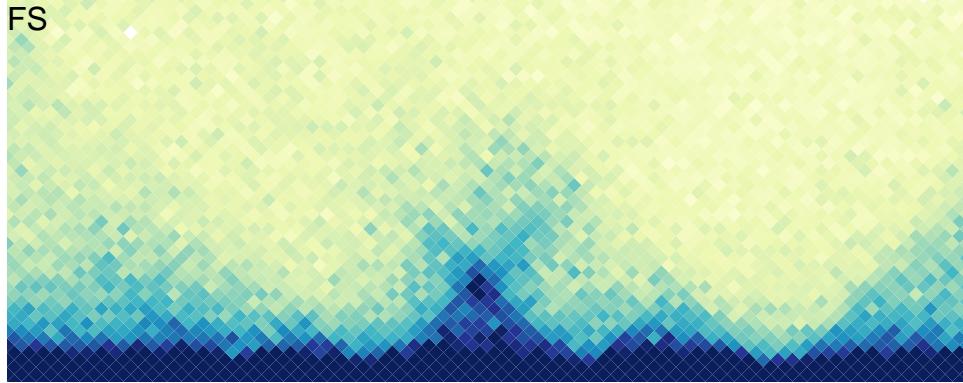
LOC105377100



WT



FS



COL6A5

COL6A6

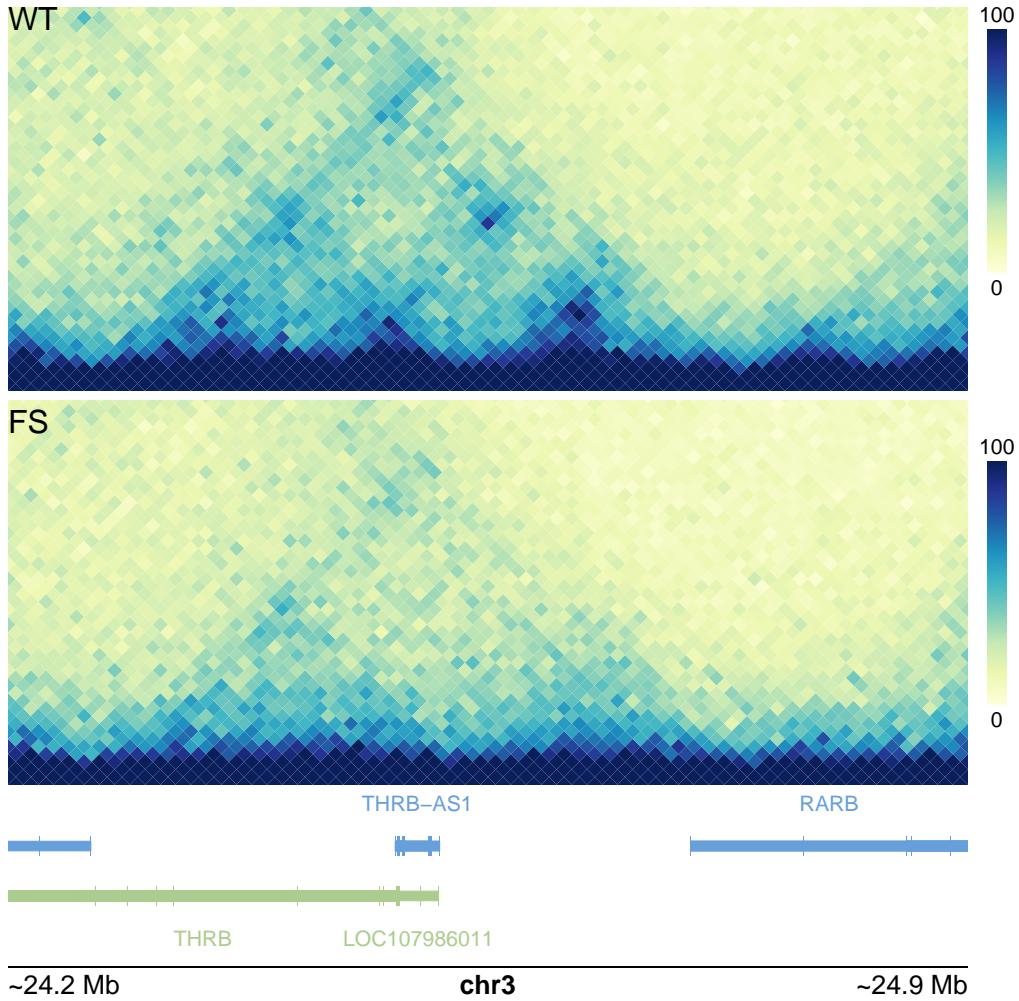
LOC105374107

~130.2 Mb

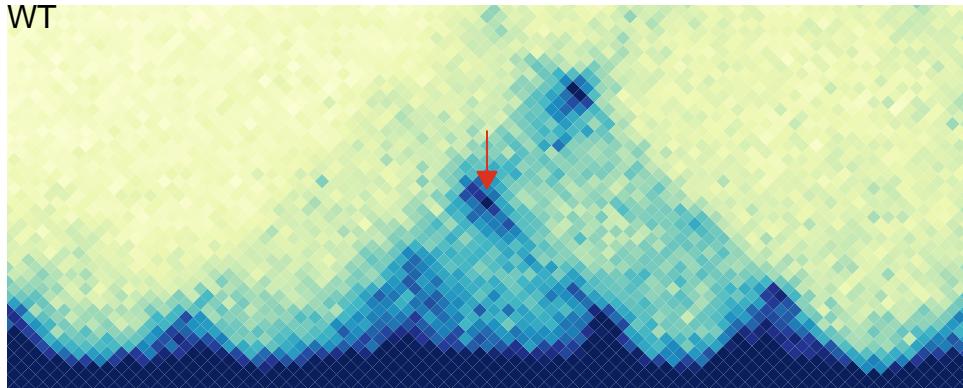
chr3

~130.9 Mb

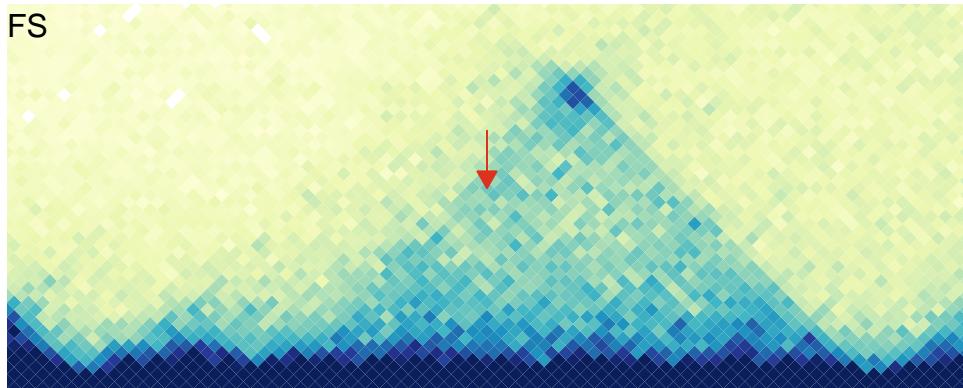




WT



FS



TRMT10C

ZBTB11-AS1CEP97

NFKBIZ

RDUR

+

-



SEN P7

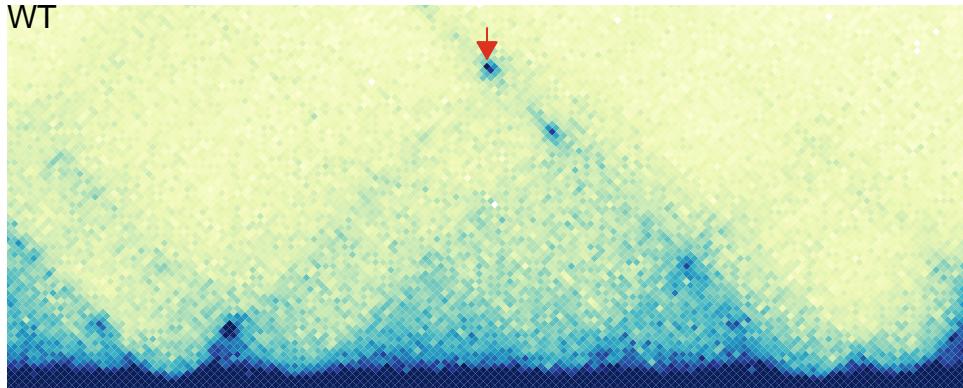
RPL24

~101.3 Mb

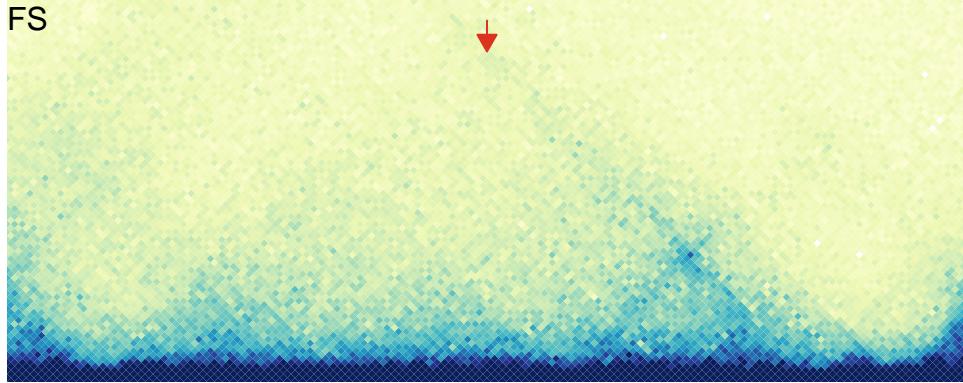
chr3

~102 Mb

WT



FS



CHODL

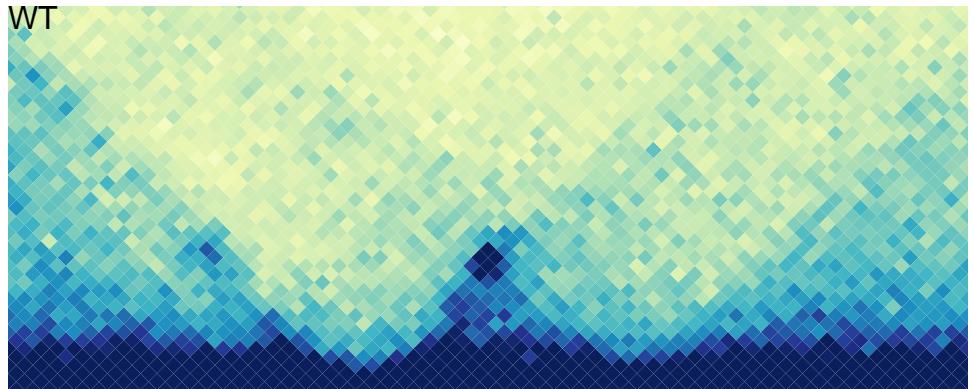


~17.6 Mb

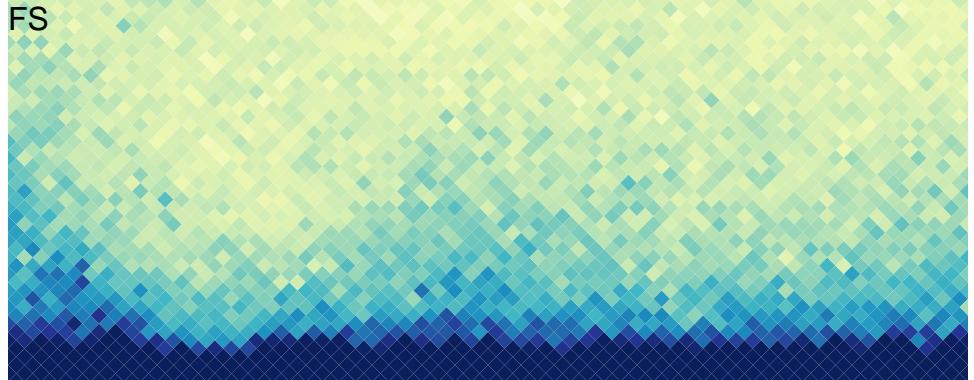
chr21

~18.8 Mb

WT



FS



CHDL



LOC124904999



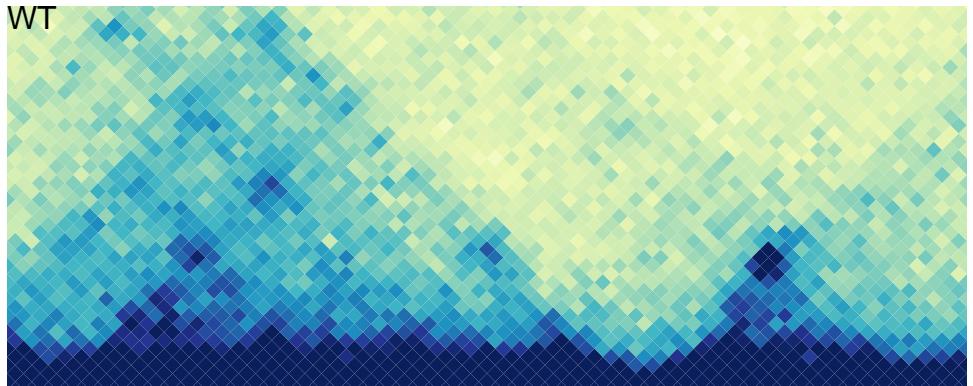
C21orf91

~17.6 Mb

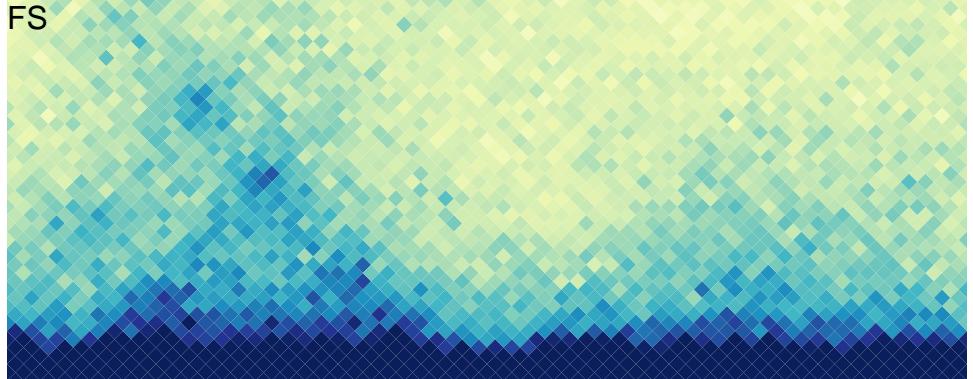
chr21

~18.2 Mb

WT



FS



CXADR

CHODL



BTG3



C21orf91

+

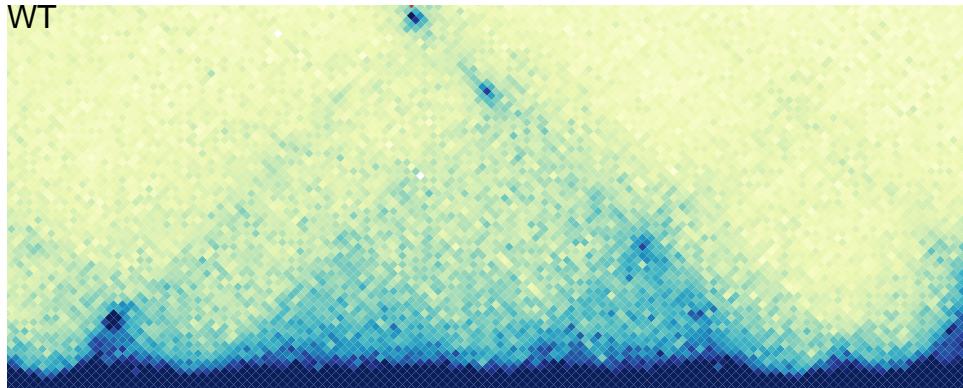
-

~17.4 Mb

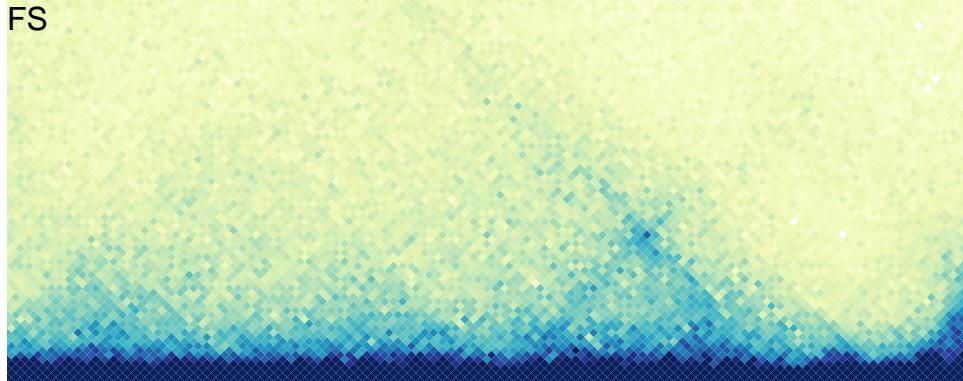
chr21

18.0 Mb

WT



FS



CHODL

+



-



CHODL-AS1

~17.8 Mb

chr21

MIR548X

~18.8 Mb



TMPRSS15

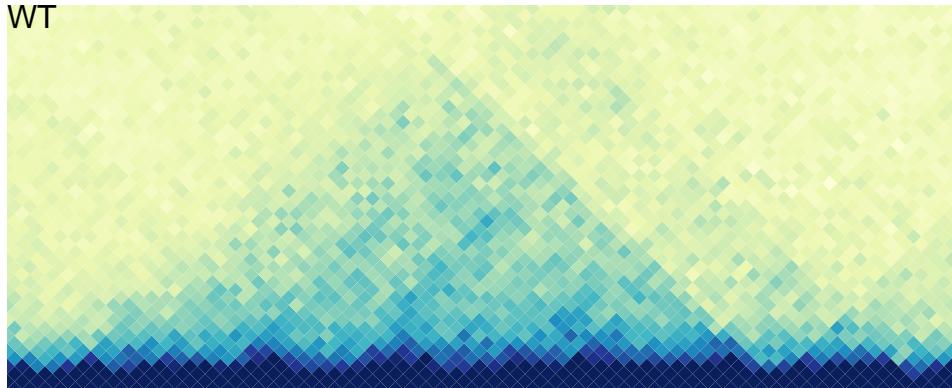
100

0

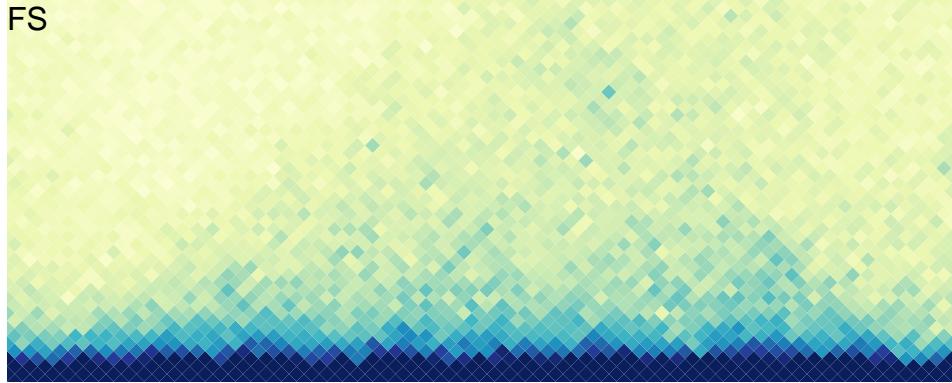
100

0

WT



FS



LOC107986195

LINC02355

LOC105377480

LINC02430

IQCM

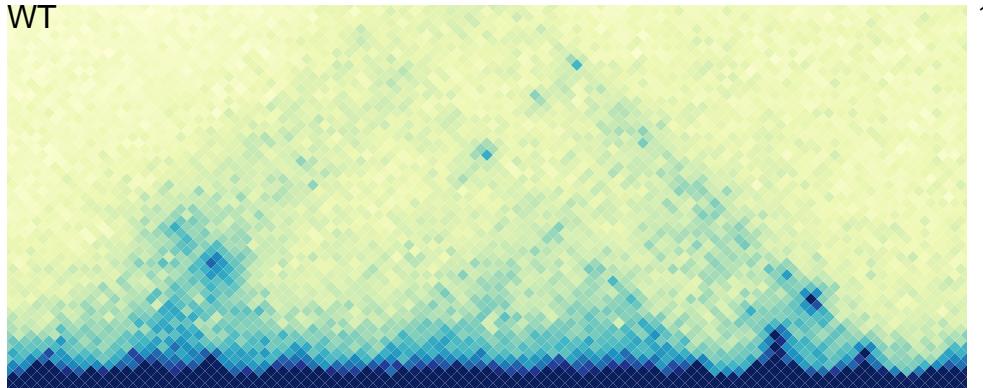


~148.8 Mb

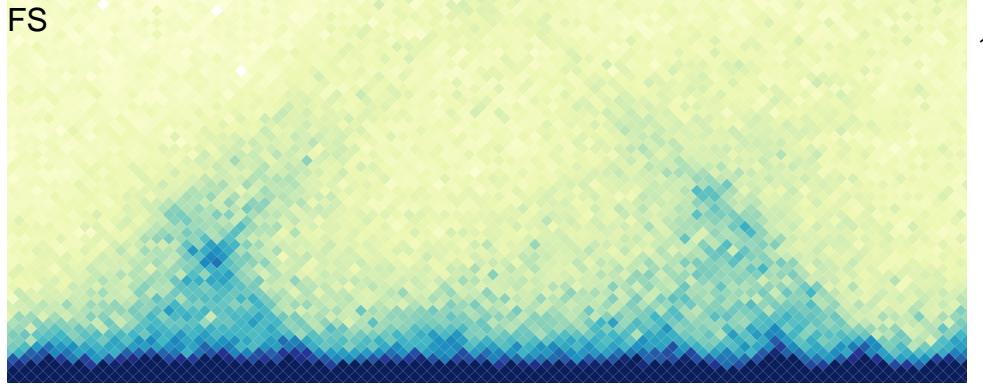
chr4

149.4 Mb

WT



FS



CCSER1

+

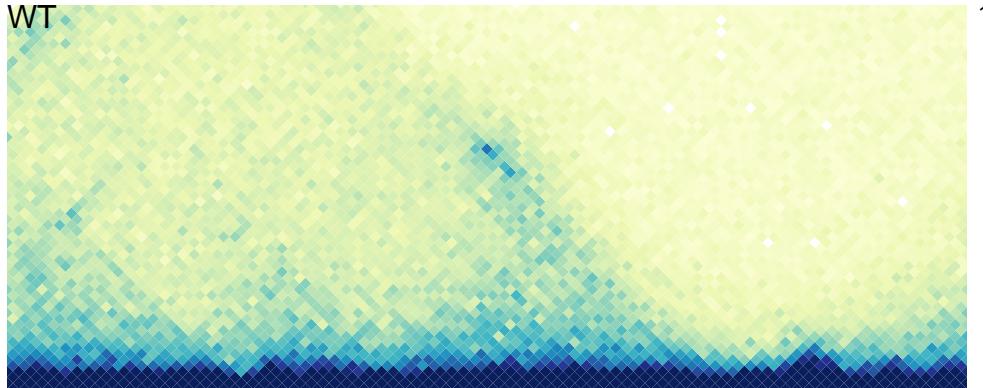
-

~90.1 Mb

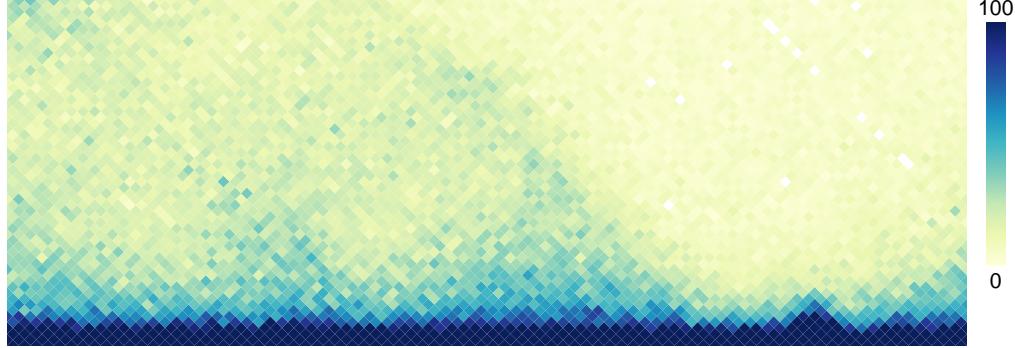
chr4

~90.9 Mb

WT



FS



SMAD1

MMAA

C4orf51

+



-

SMAD1-AS1



ZNF827

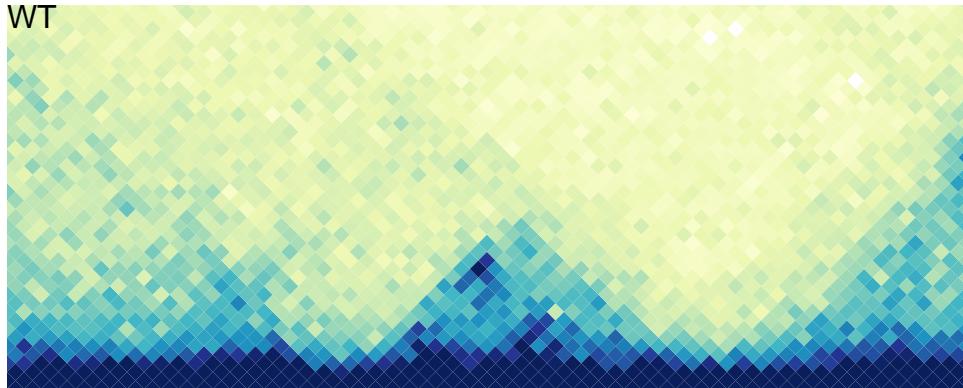
LINC01095

~145.4 Mb

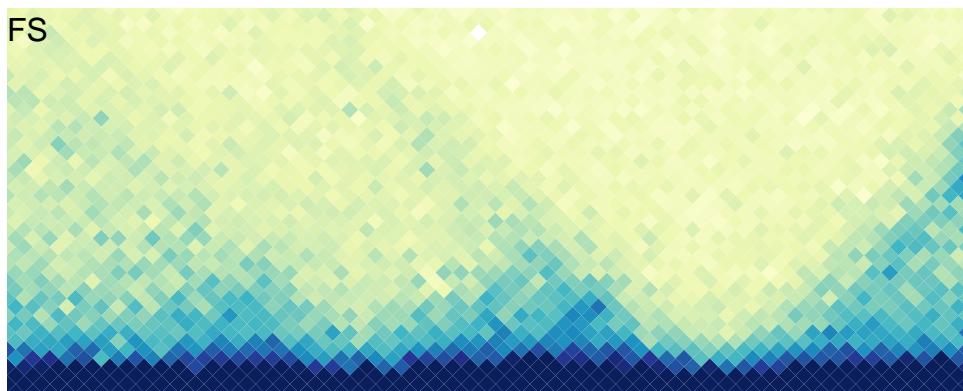
chr4

~146.2 Mb

WT



FS



ADAM29



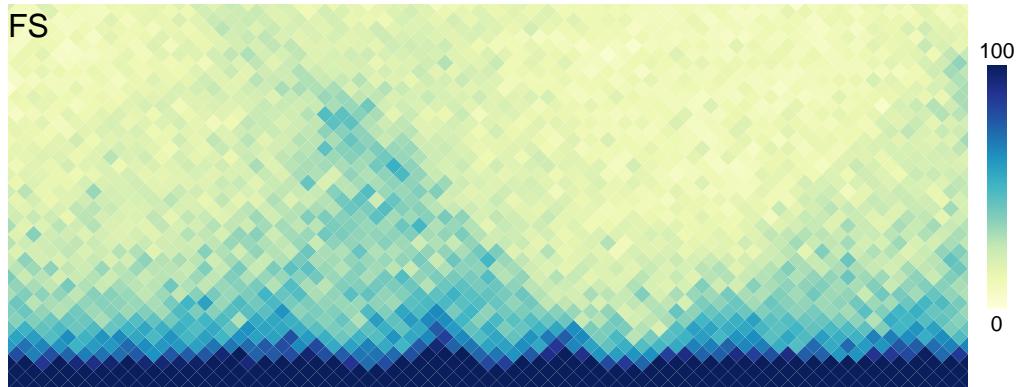
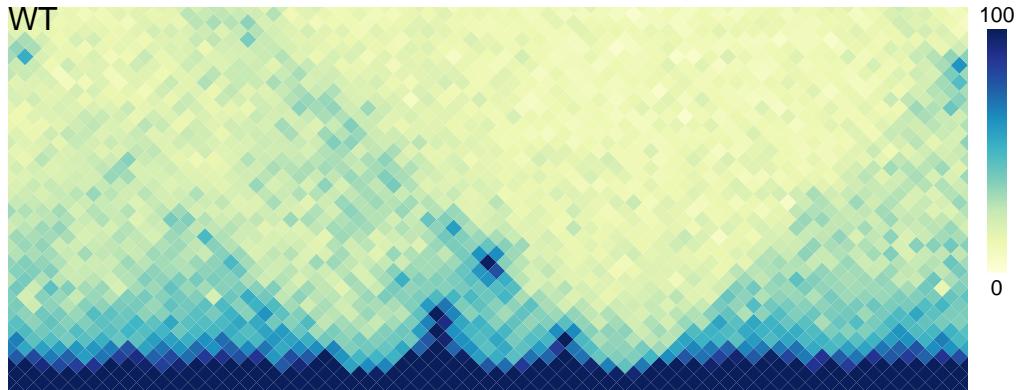
-

LOC124900871

~174.8 Mb

chr4

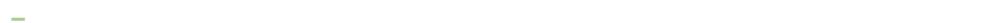
~175.4 Mb



CCSER1



+



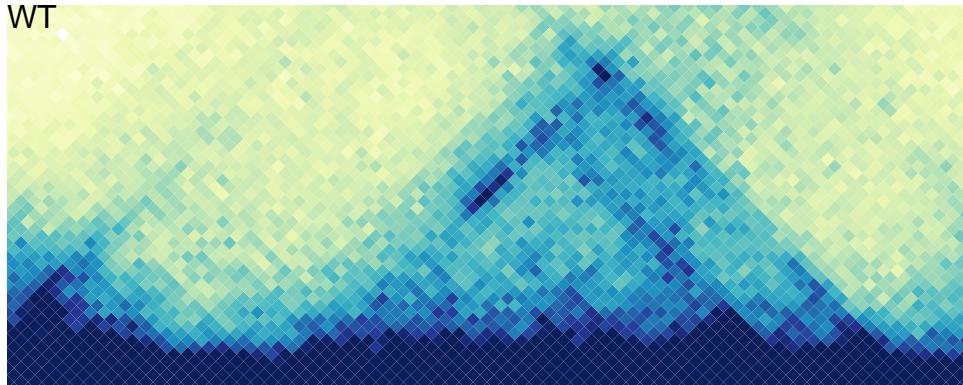
-

~90.5 Mb

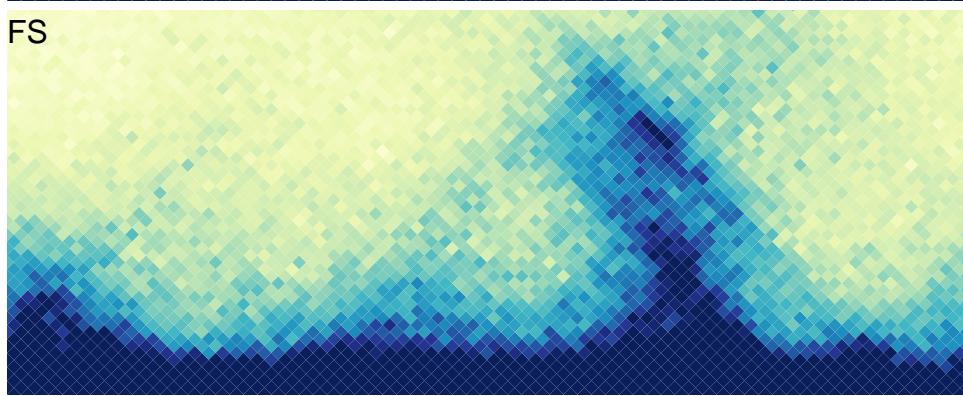
chr4

~91 Mb

WT



FS



MTMR3

HORMAD2

LIF-AS1

SEC14L2

HORMAD2-AS1

LIF

SF3A1

SEC14L3

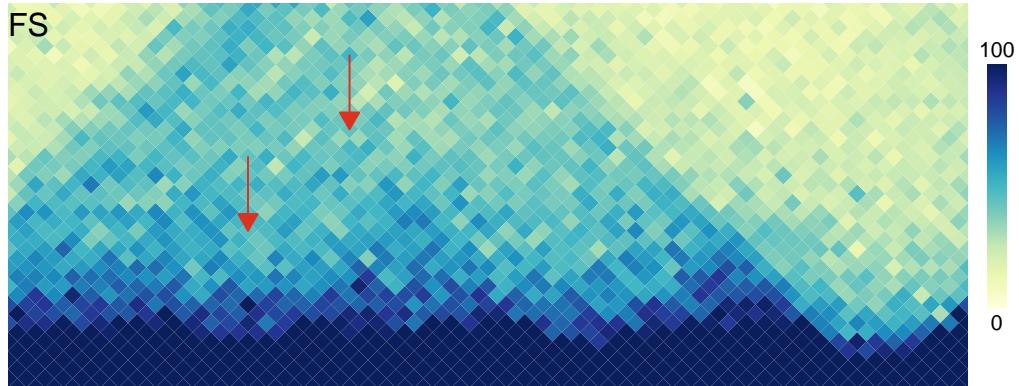
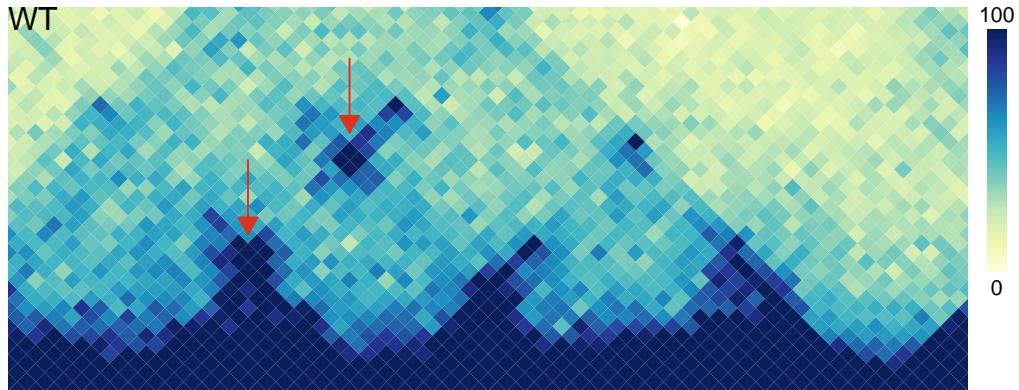
+

-

~29.8 Mb

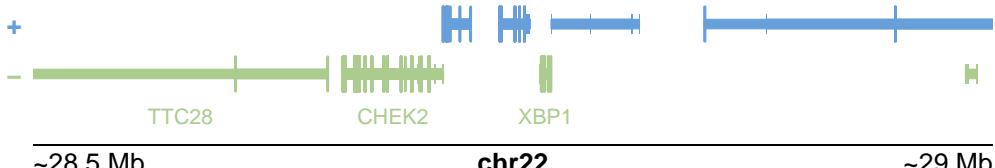
chr22

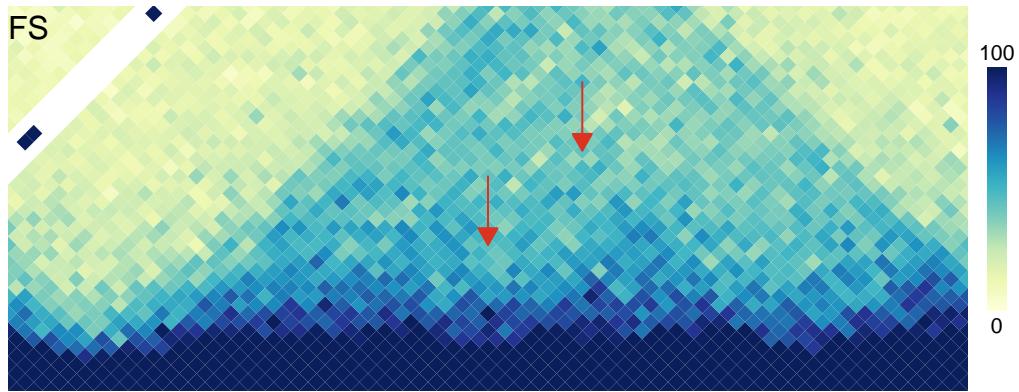
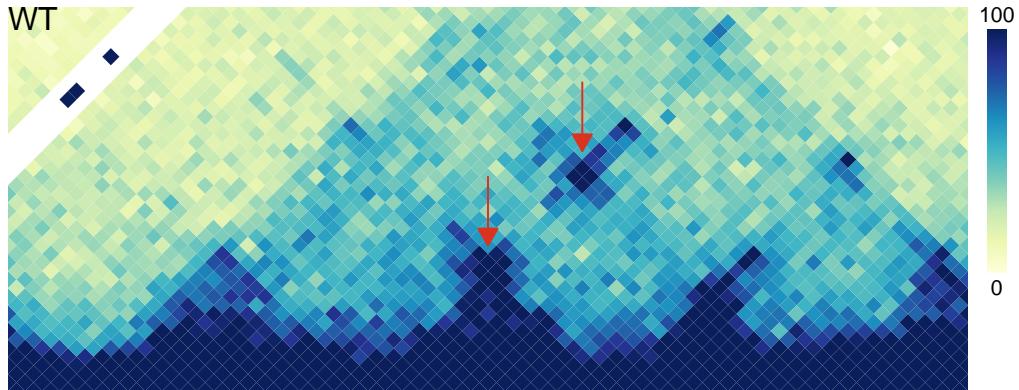
~30.5 Mb



HSCB LOC107985549

ZNRF3





MIR5739

HSCB

LOC107985549

ZNRF3

+

|



-



TTC28

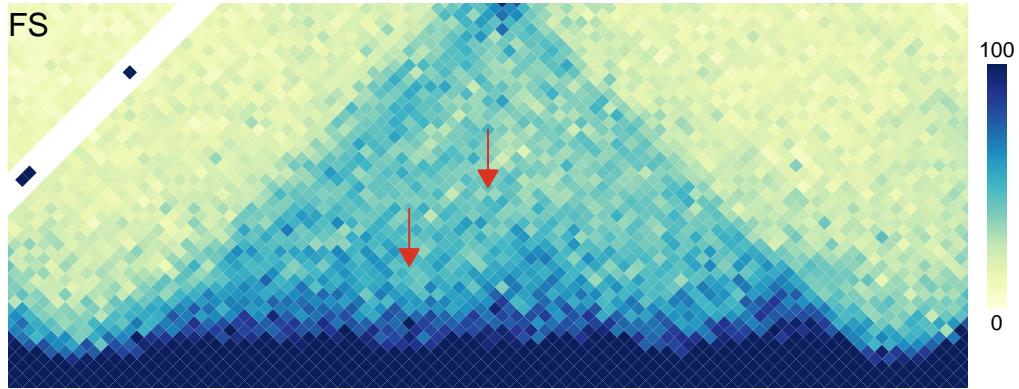
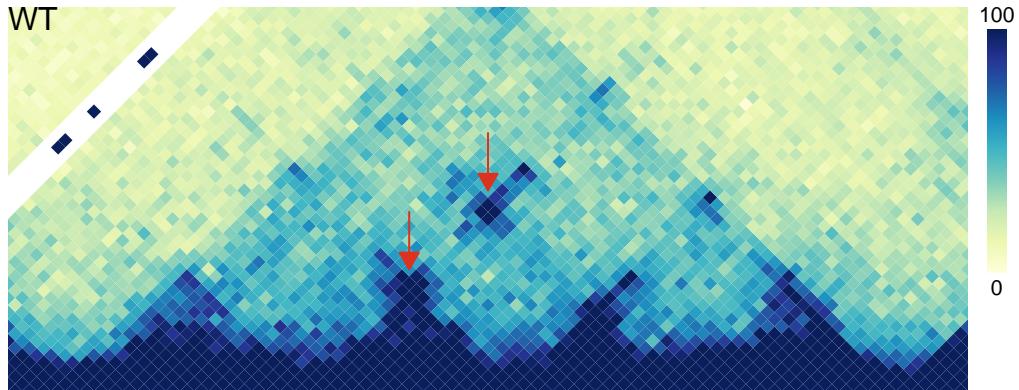
CHEK2

XBP1

~28.4 Mb

chr22

~28.9 Mb



MIR5739

HSCBLOC107985549

ZNRF3

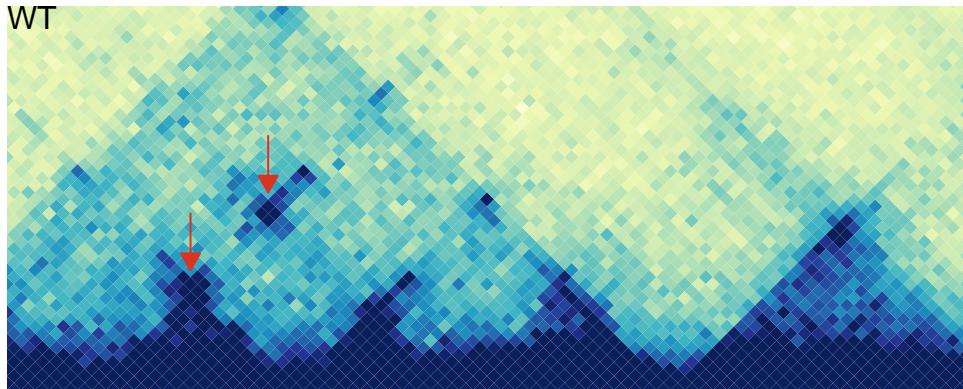


~28.4 Mb

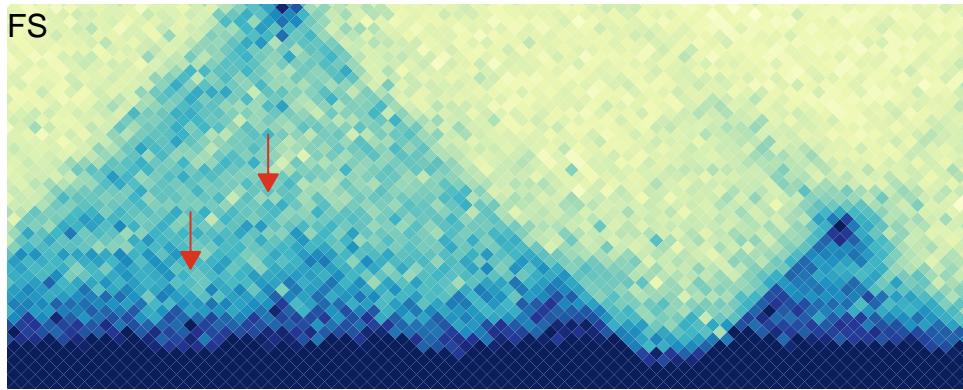
chr22

~29 Mb

WT



FS



HSCBLOC107985549

ZNRF3

KREMEN1

+

-

TTC28

CHEK2

XBP1

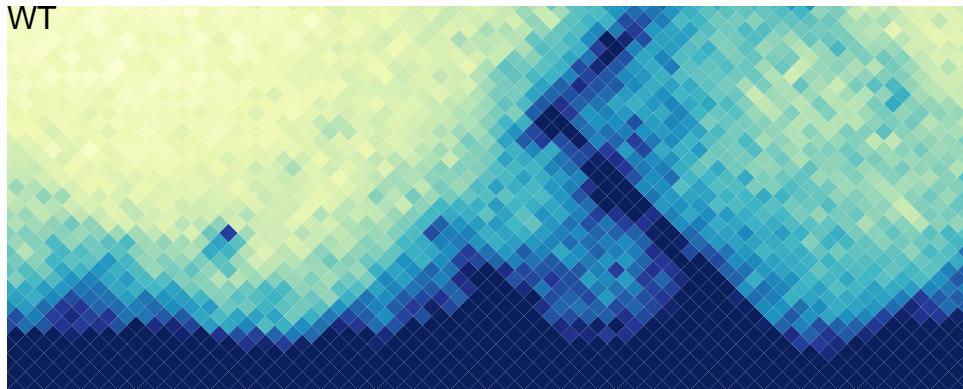
C22orf31

~28.5 Mb

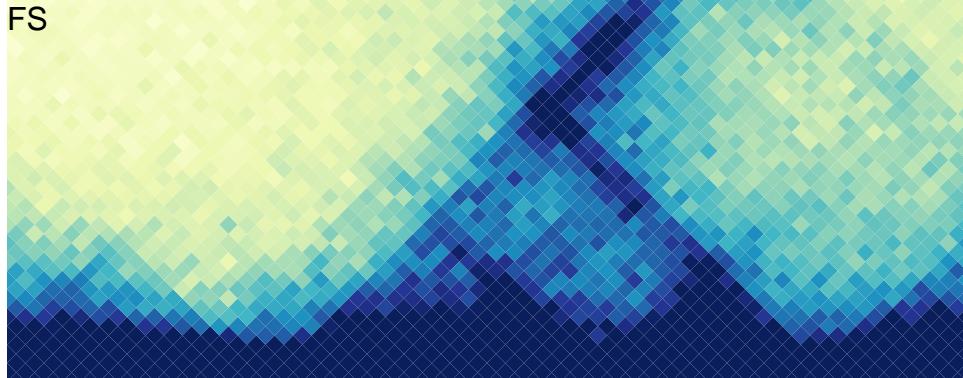
chr22

29.2 Mb

WT



FS



LOC102723834 SRP9 EPHX1



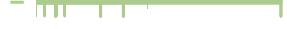
+

-



+

-



~225.5 Mb

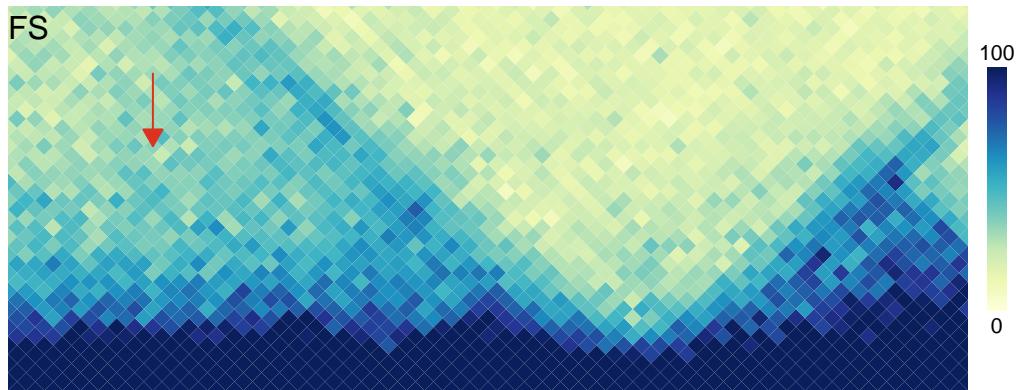
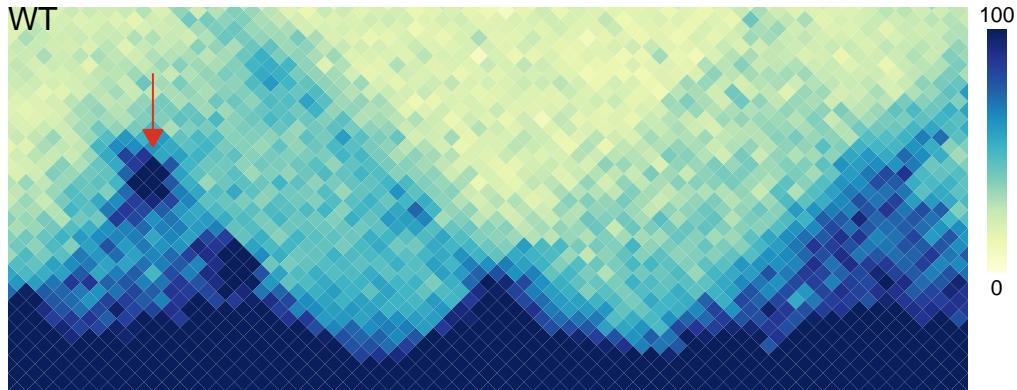
chr1

~226 Mb

TMEM63A

LEFTY2

SDE2



LINC01641

ZNF678

SNAP47



227.3 Mb

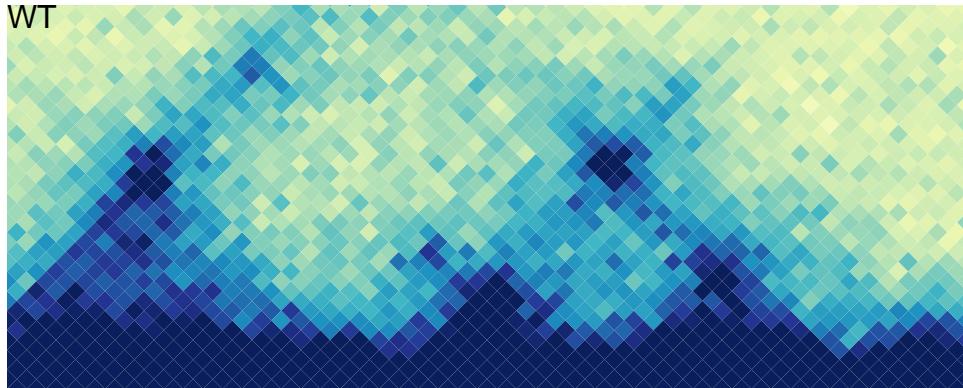
chr1

~227.8 Mb

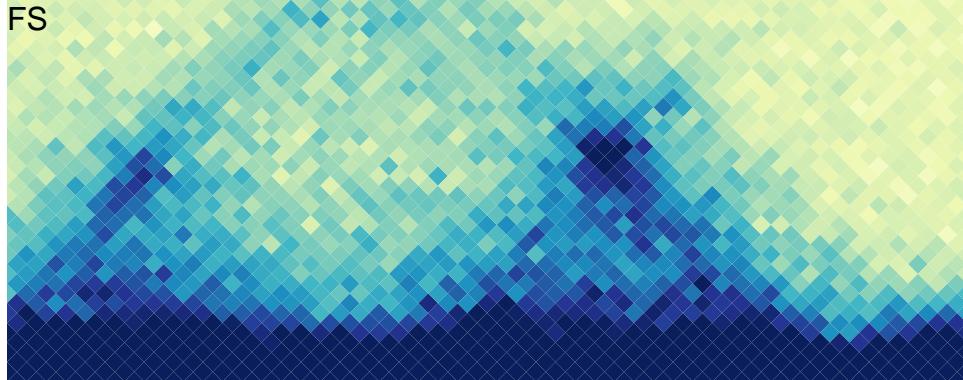
LOC105373122

JMJD4

WT



FS



MIR4424

RALGPS2

LOC124904461

ANGPTL1

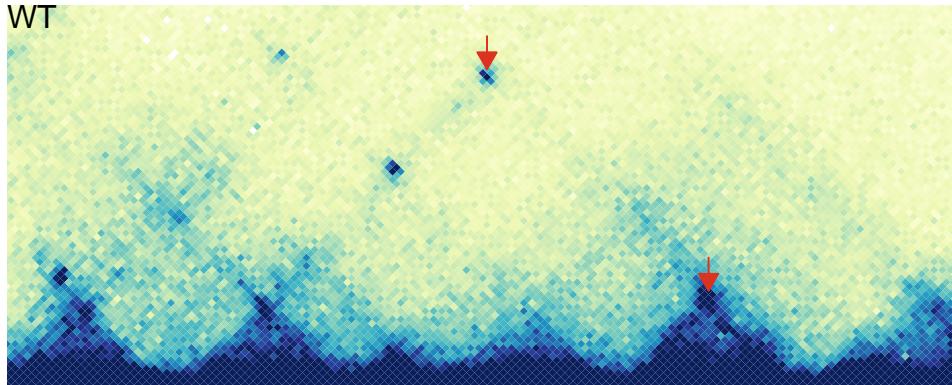


~178.6 Mb

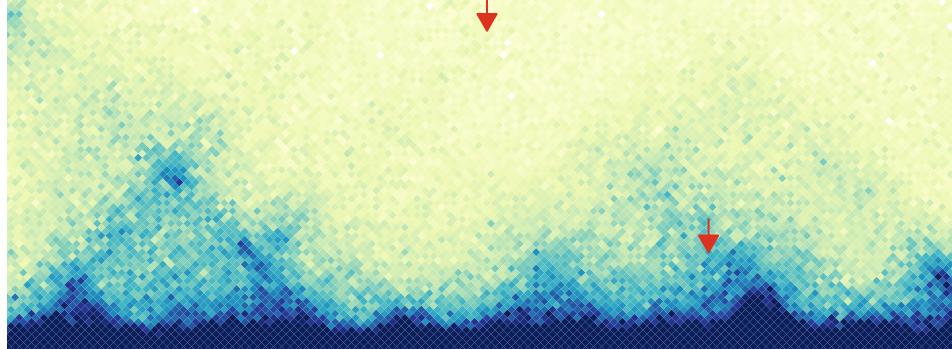
chr1

~179 Mb

WT



FS



TTC39A-AS1

EPS15-AS1

OSBPL9

BTF3L4

ZFYVE9

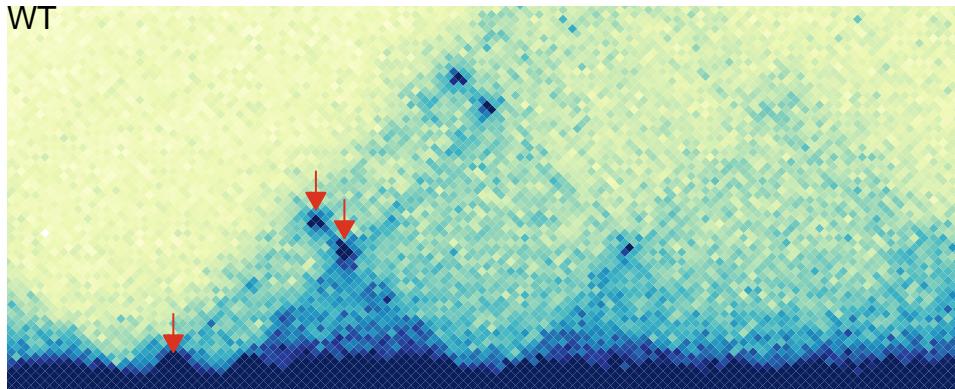


~51.2 Mb

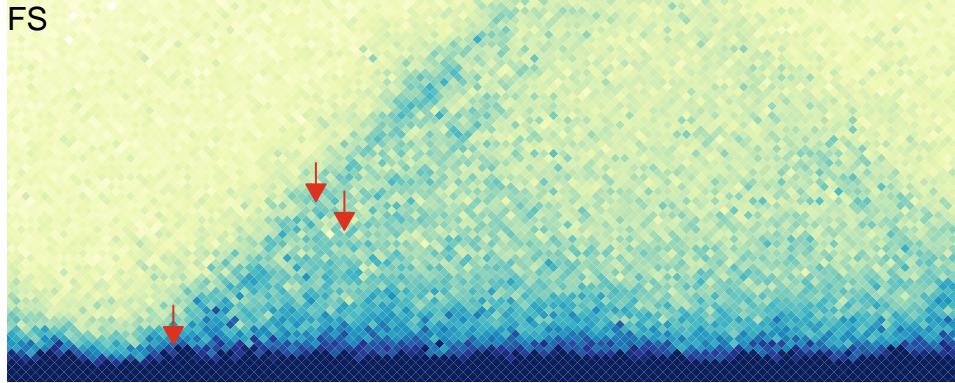
chr1

~52.4 Mb

WT



FS



FIRRM

NTMT2

GORAB

PRRX1



SCYL3

KIFAP3

MIR3119-1 LINC01142

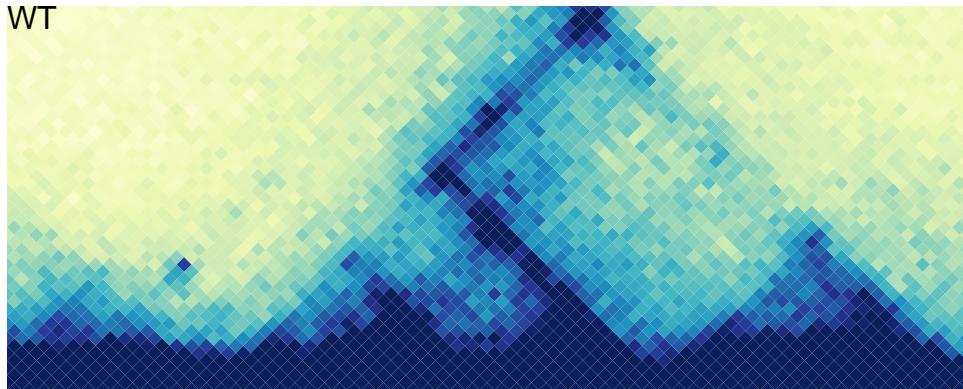
GORAB-AS1

~169.8 Mb

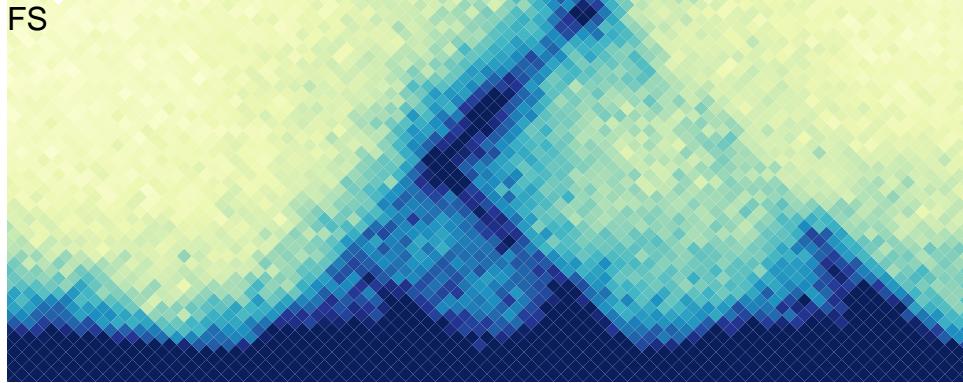
chr1

~170.8 Mb

WT



FS



SRP9EPHX1

H3-3A



SRP9EPHX1



TMEM63A



LEFTY2



SDE2



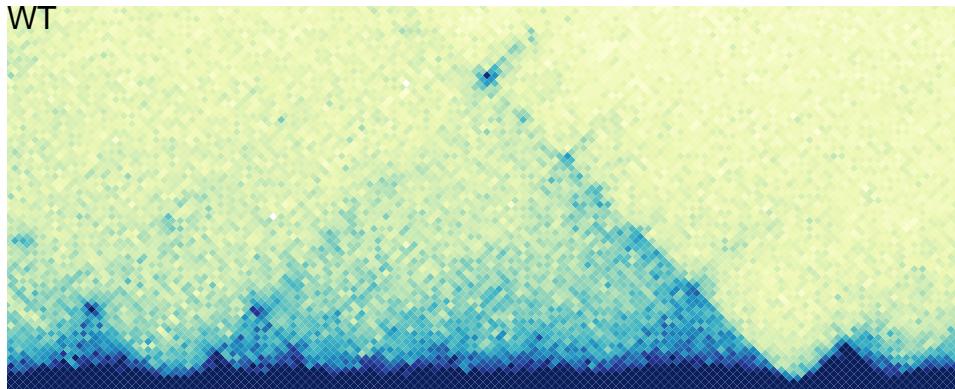
H3-3A-DT

~225.5 Mb

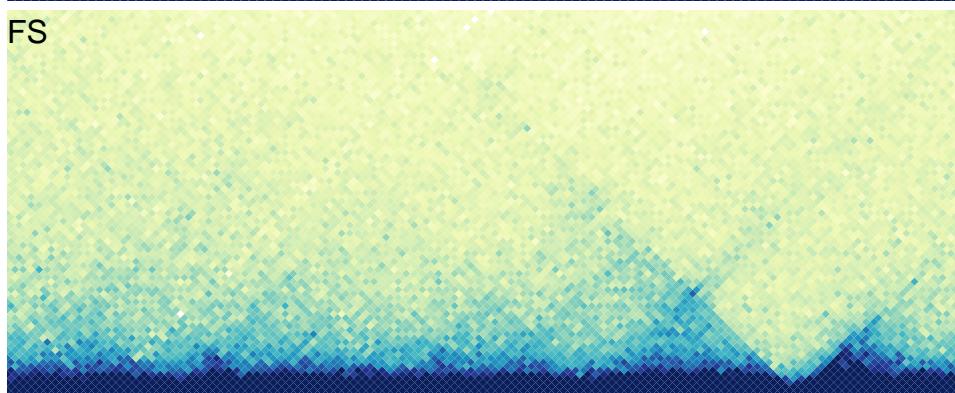
chr1

~226.2 Mb

WT



FS



ADGRL2



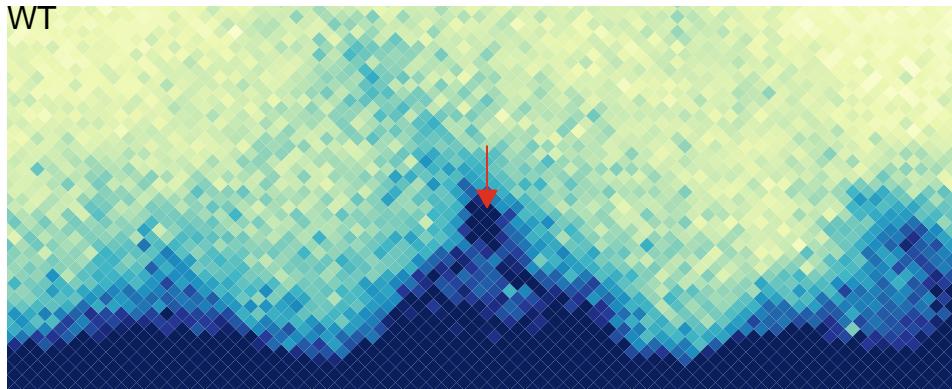
LOC101927434

~81.3 Mb

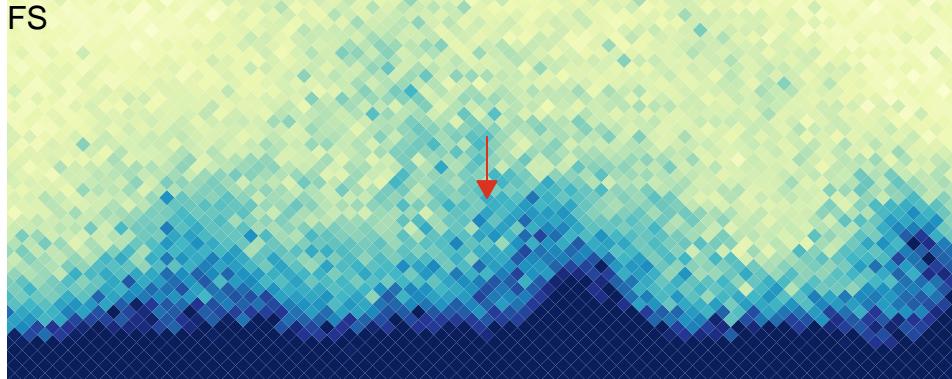
chr1

~82.5 Mb

WT



FS



BTF3L4

ZFYVE9

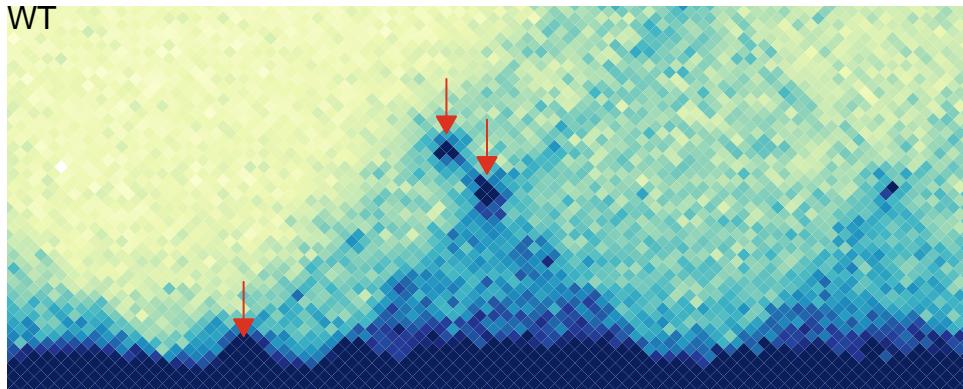


~51.8 Mb

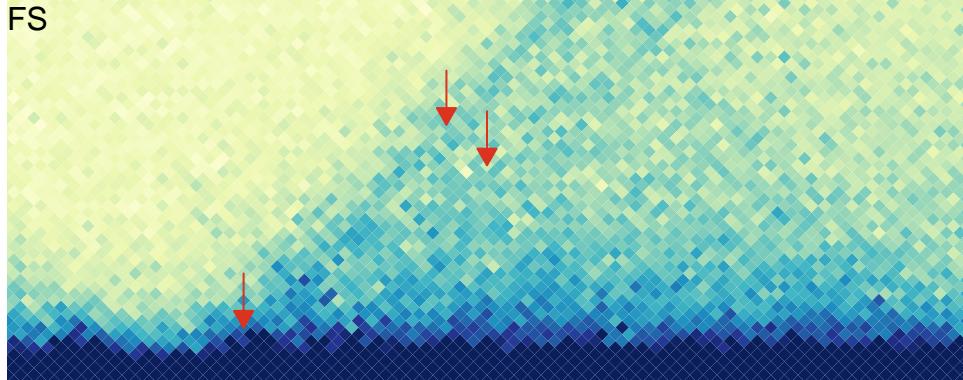
chr1

~52.4 Mb

WT



FS



FIRRM



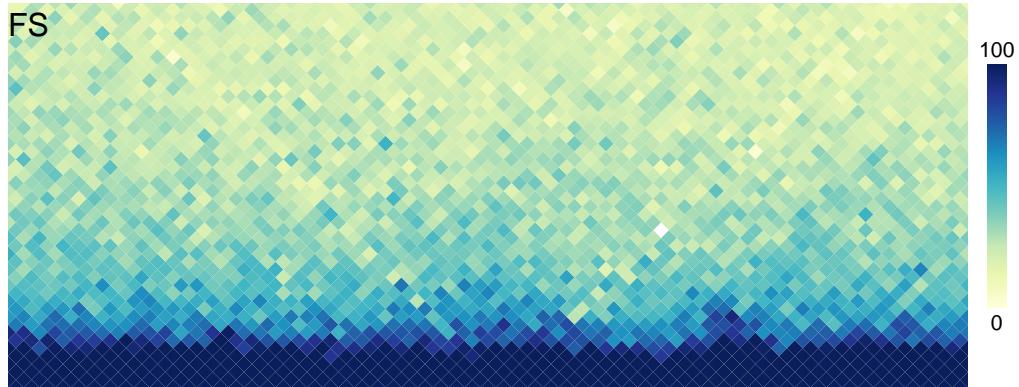
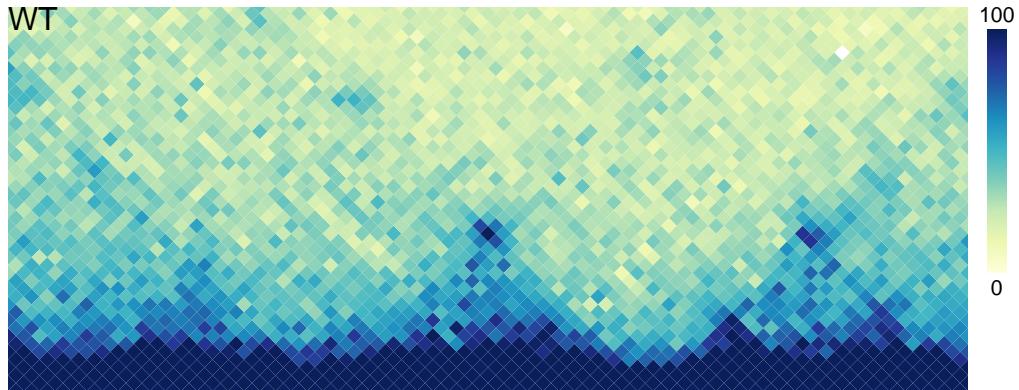
NTMT2 LINC01681



~169.8 Mb

chr1

~170.5 Mb



ADGRL2

+



-

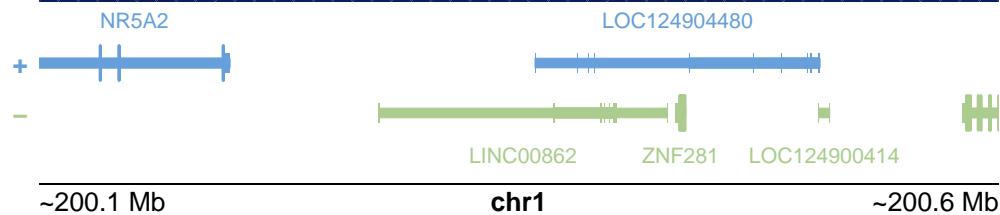
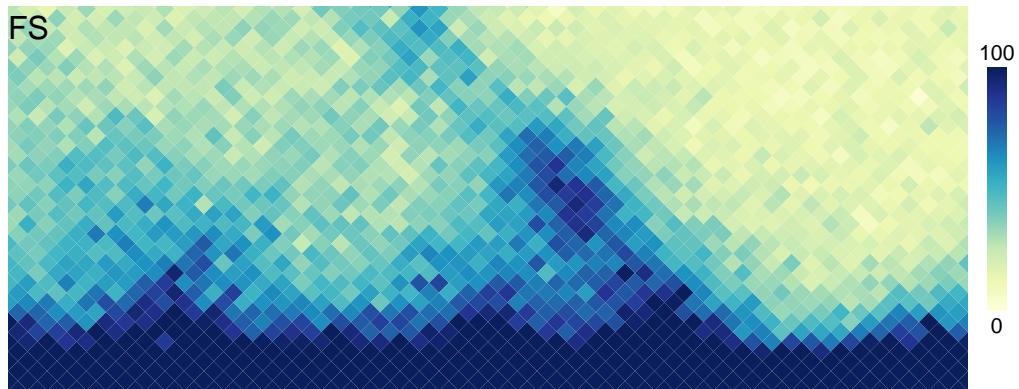
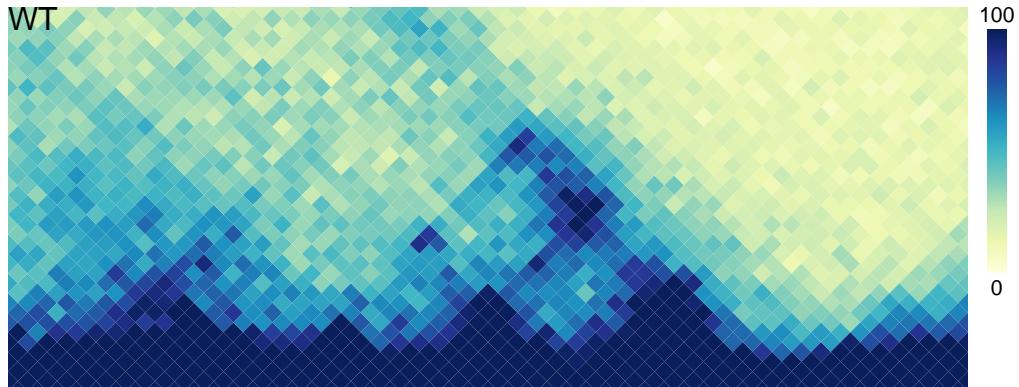


LOC101927434

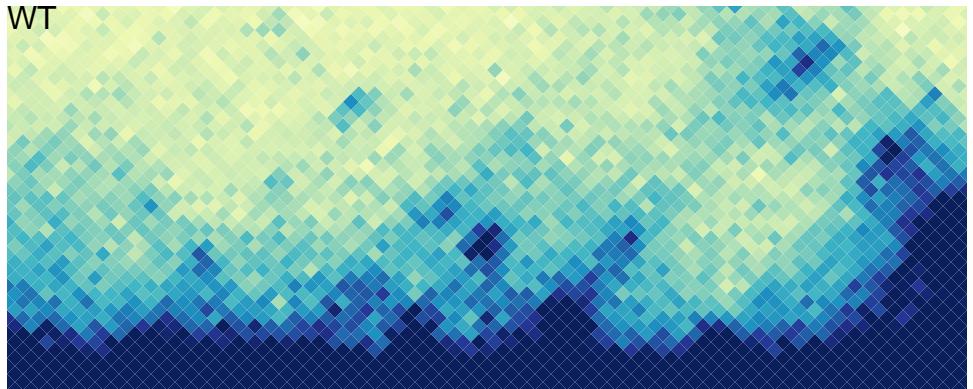
~81.1 Mb

chr1

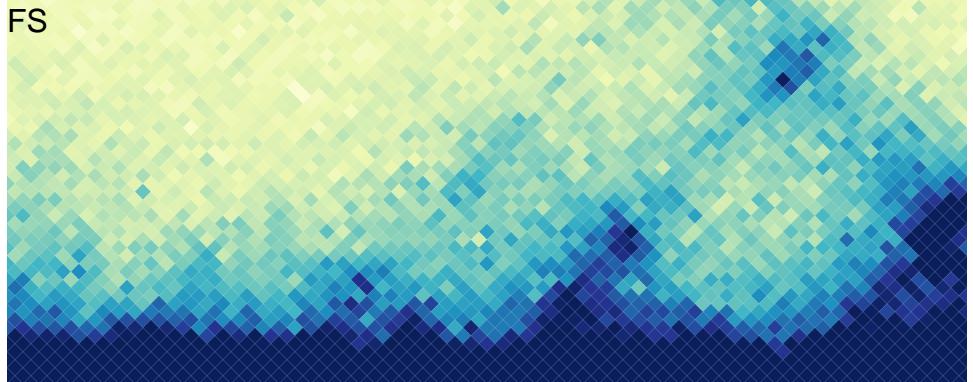
81.7 Mb



WT



FS



MIR760

+

-

BCAR3

|



GCLM



ABCA4



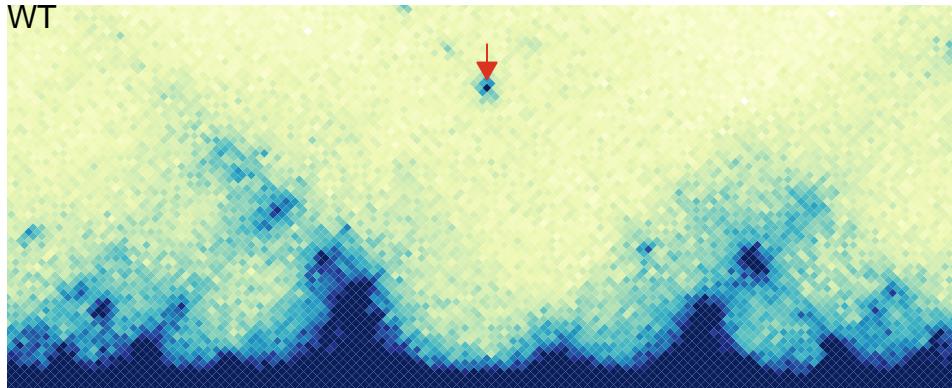
LOC105378858

~93.6 Mb

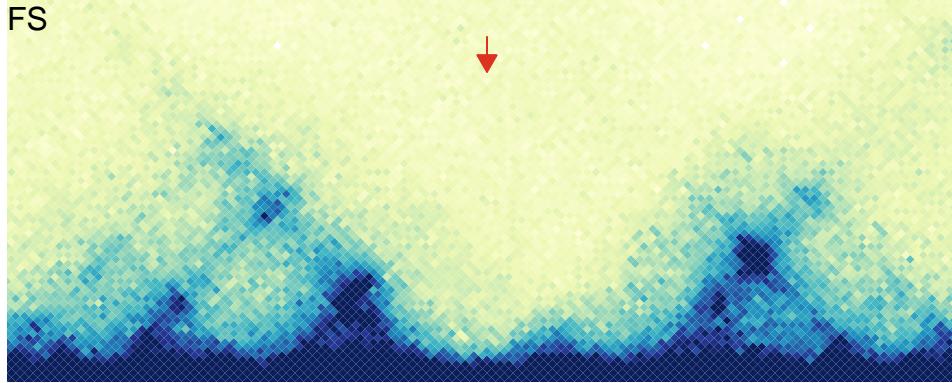
chr1

~94.2 Mb

WT



FS



MIR760

+

-

Genotype tracks for MIR760, showing '+' and '-' alleles across the population.

ARHGAP29-AS1 ABCD3

+

-

Genotype tracks for ARHGAP29-AS1 ABCD3, showing '+' and '-' alleles across the population.

+

-

Genotype tracks for F3, showing '+' and '-' alleles across the population.

+

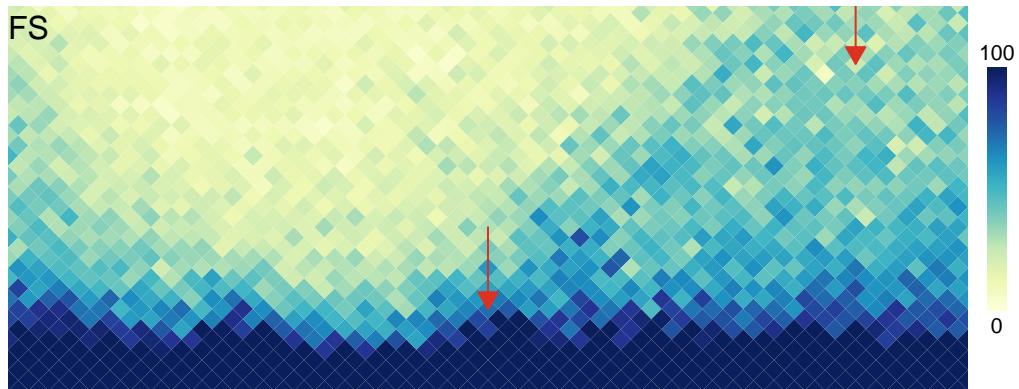
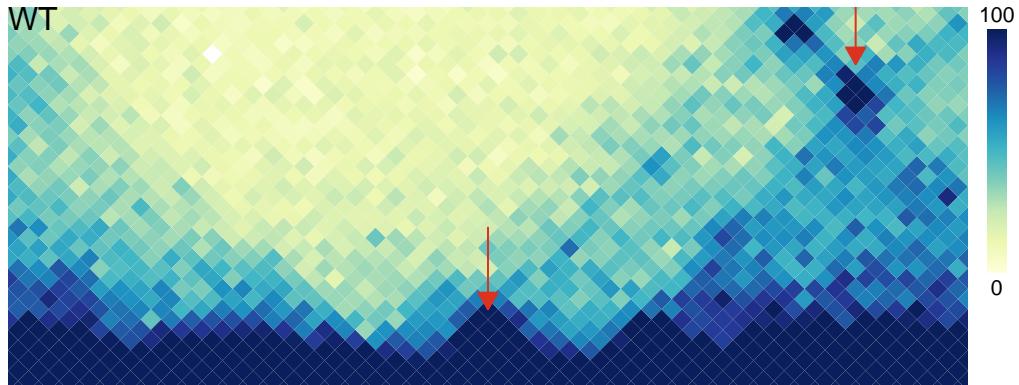
-

Genotype tracks for MIR378G, showing '+' and '-' alleles across the population.

93.8 Mb

chr1

94.9 Mb



FIRRM

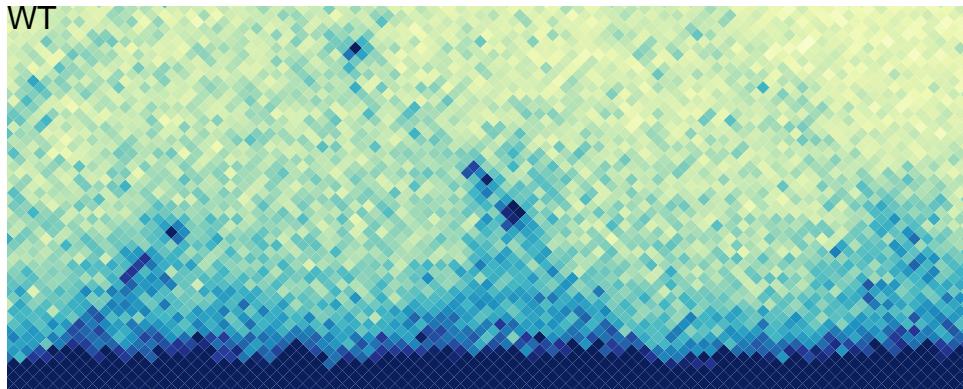


169.7 Mb

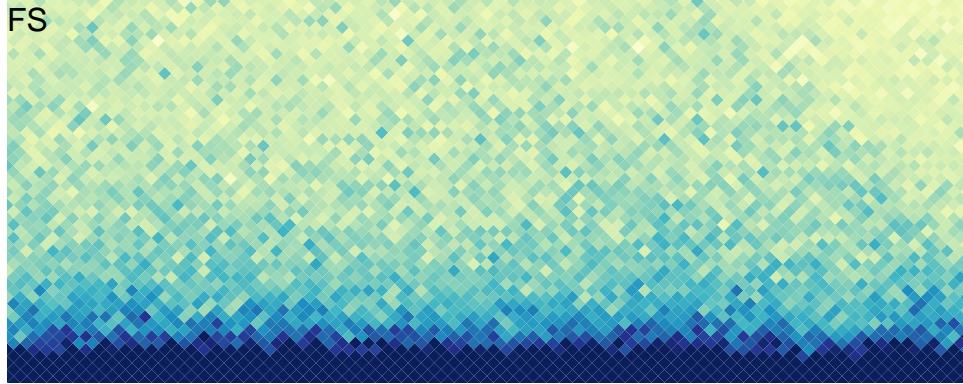
chr1

~170.2 Mb

WT



FS



LOC105378886

+



-



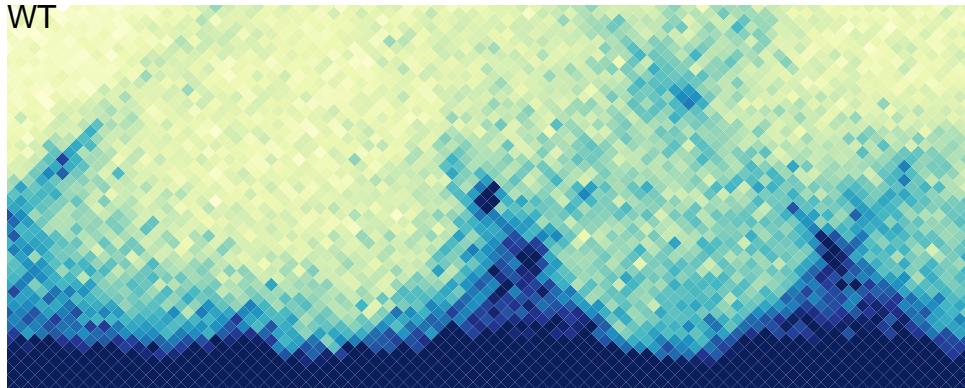
LINC01676

~105.5 Mb

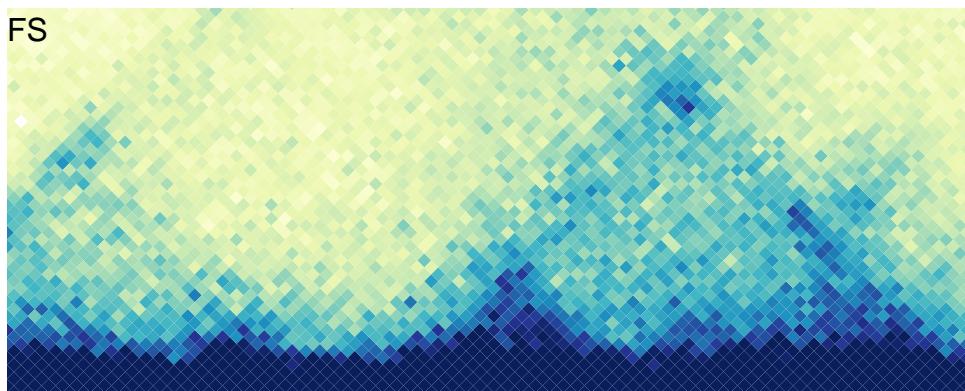
chr1

~106.3 Mb

WT



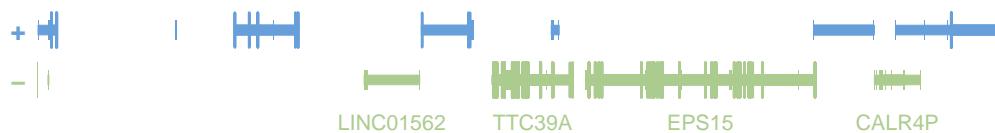
FS



MIR6500 C1orf185

RNF11 TTC39A-AS1

EPS15-AS1 OSBPL9

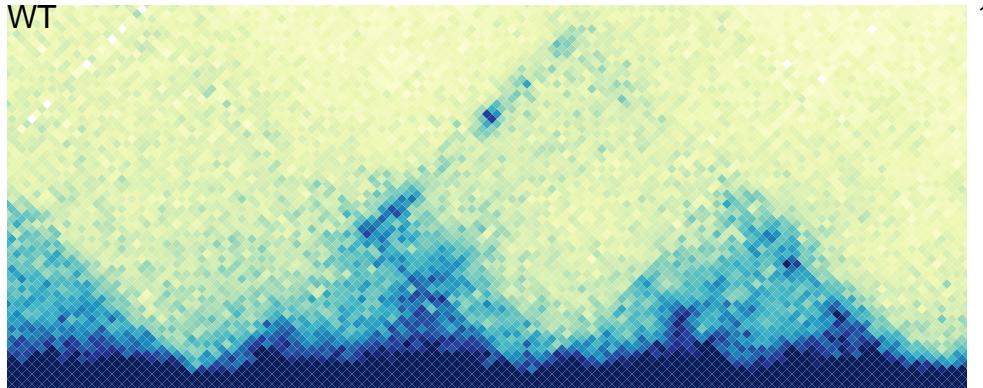


~51 Mb

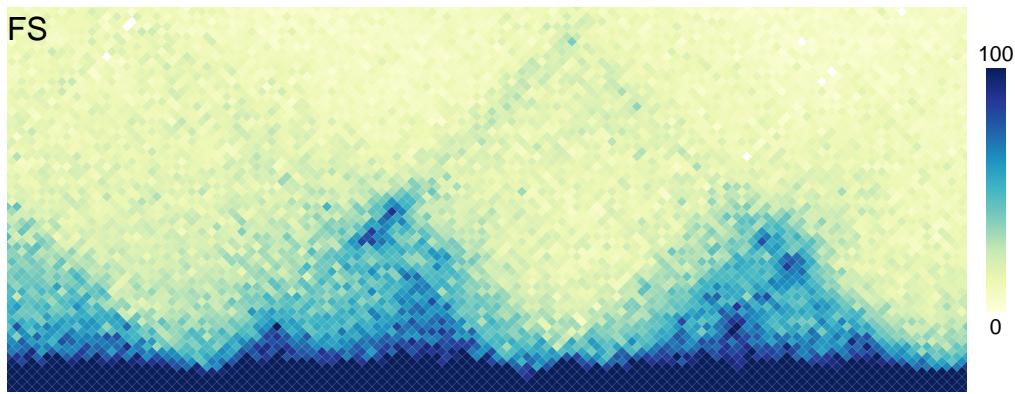
chr1

~51.6 Mb

WT



FS



SH3GLB1

HS2ST1

LINC02801

LMO4

SELENOF

LINC01364

+



-

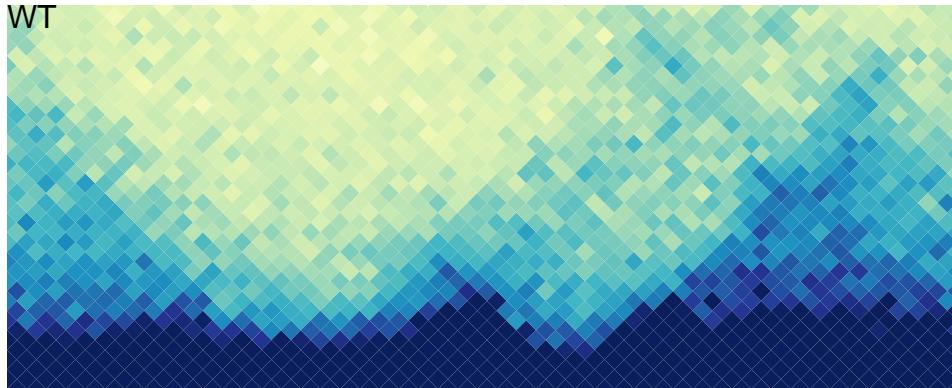


~86.6 Mb

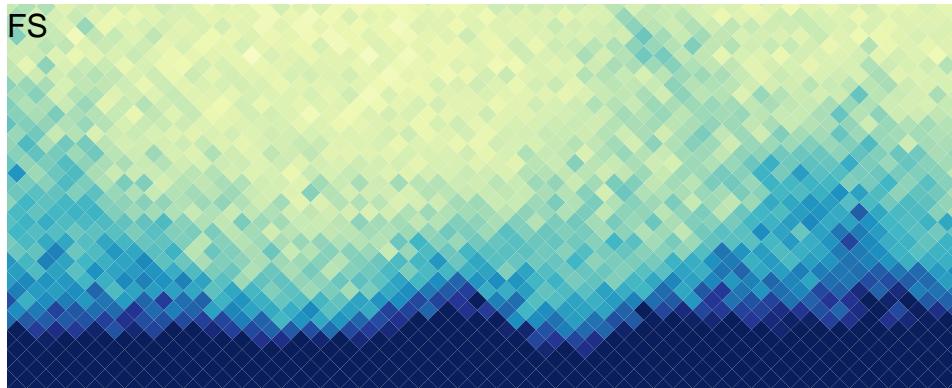
chr1

87.6 Mb

WT



FS



NEXN

DNAJB4

GIPC2

PTGFR



+

-

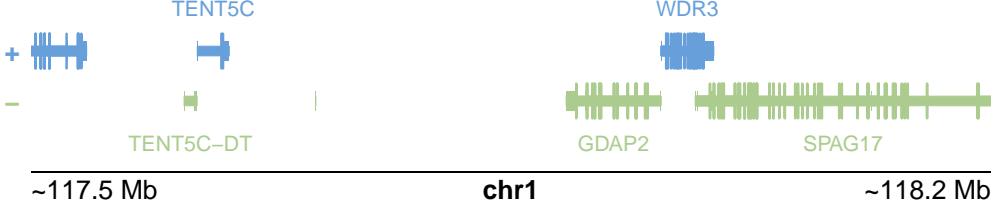
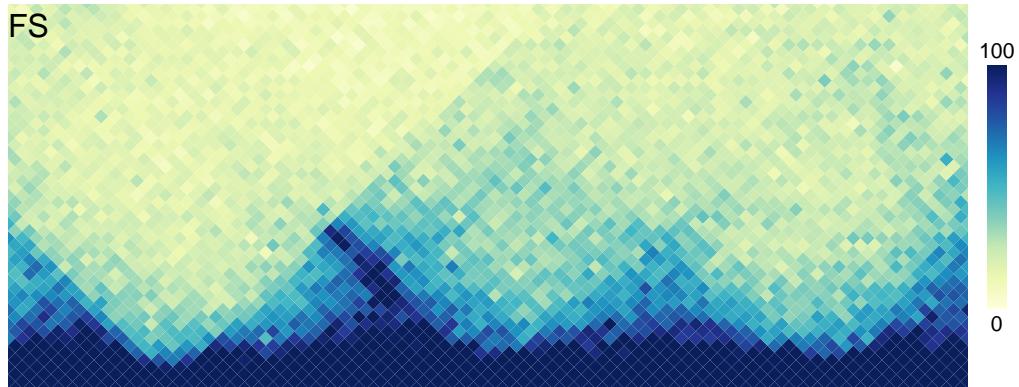
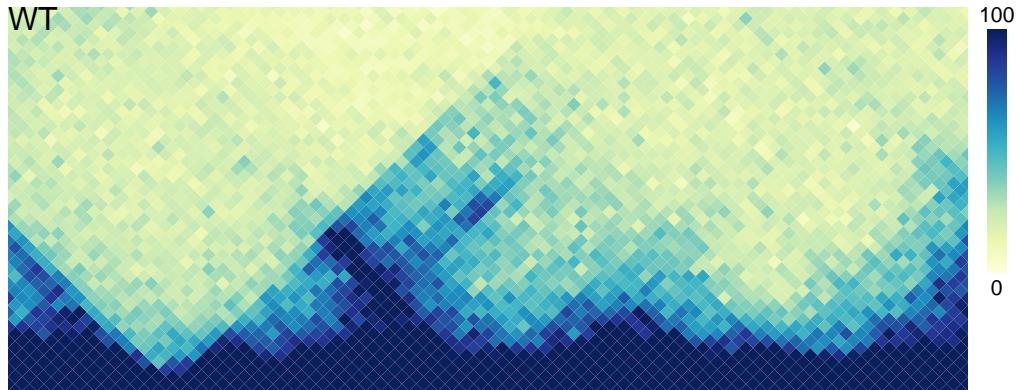


FUBP1

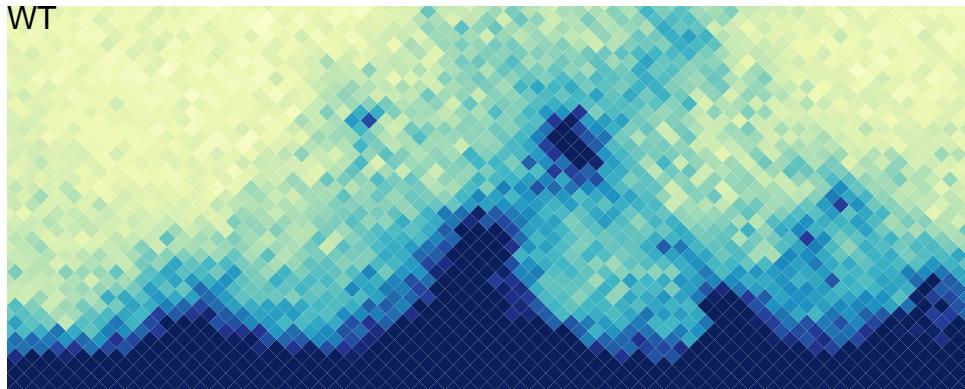
~77.9 Mb

chr1

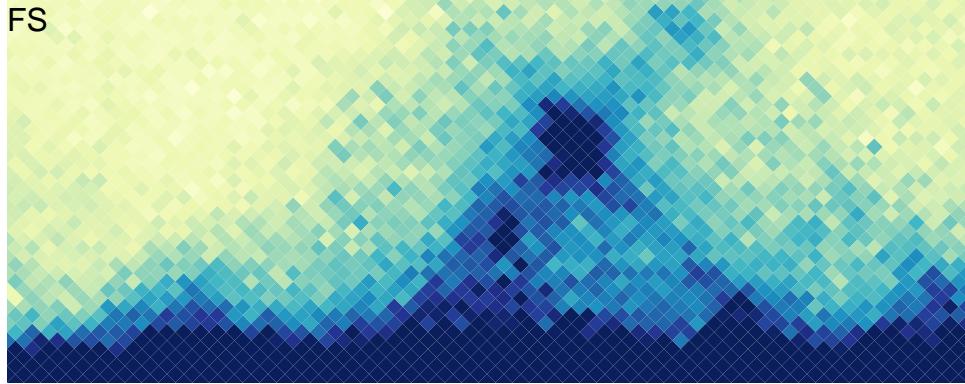
~78.3 Mb



WT



FS



ABCD3 LOC124904223

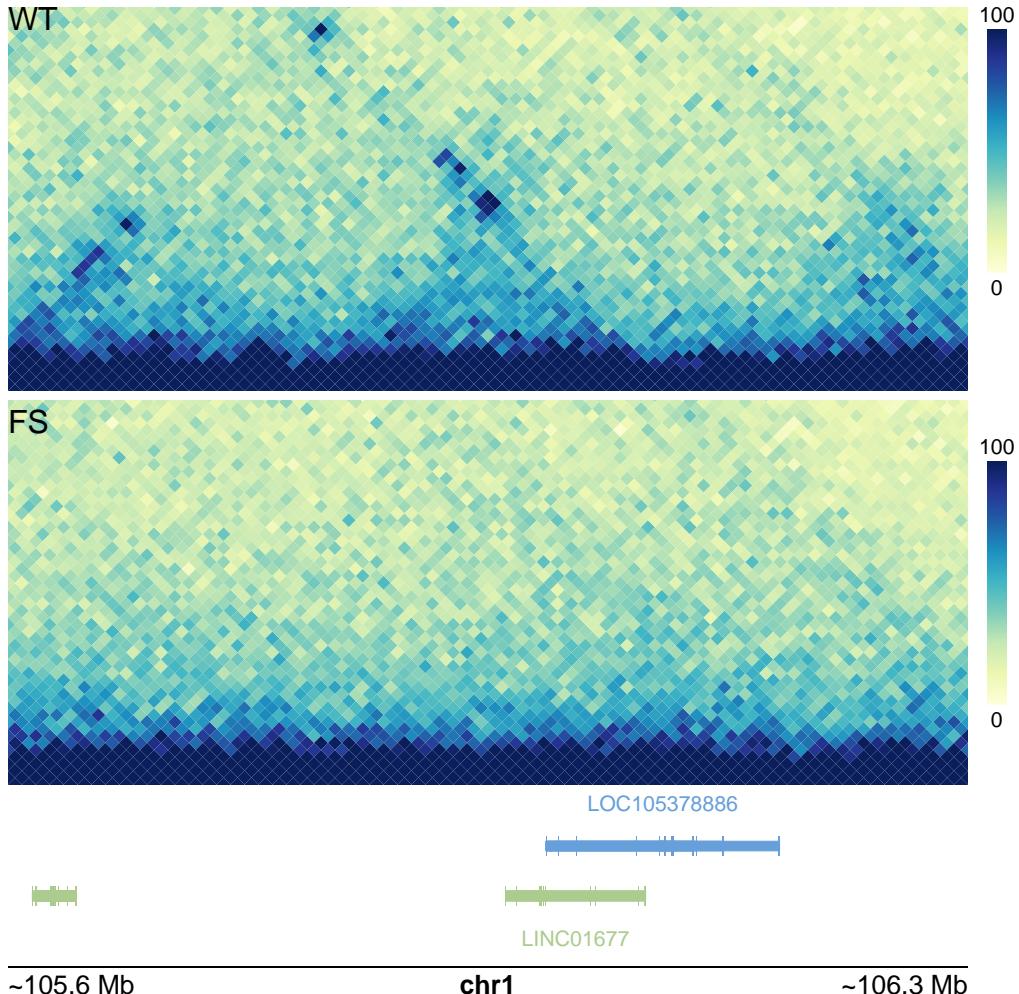
SLC44A3

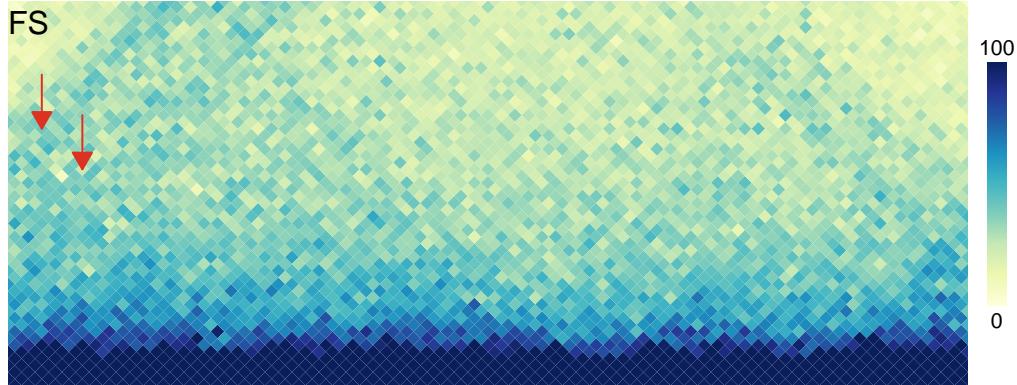
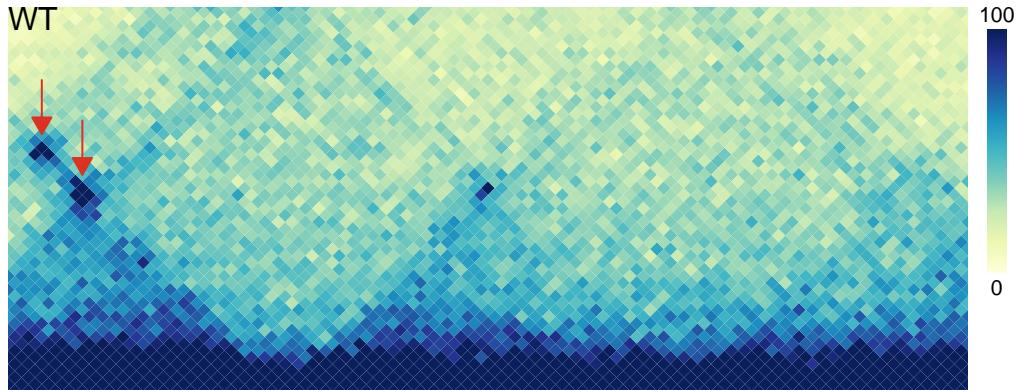
F3

~94.3 Mb

chr1

~94.9 Mb





MIR3119-1

LINC01142

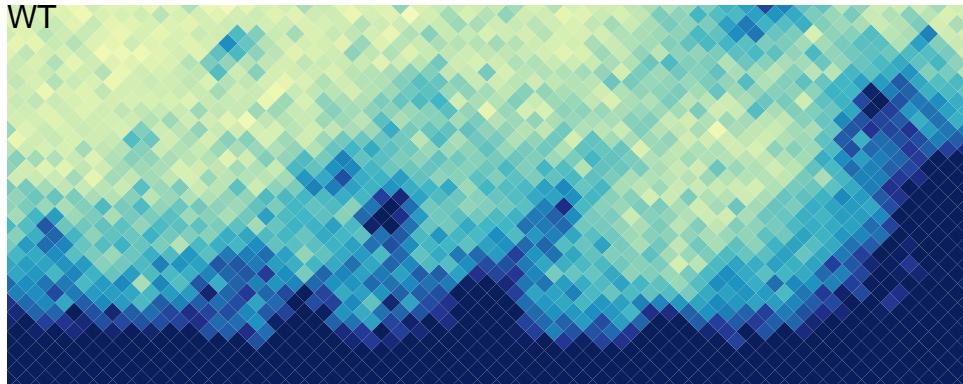
GORAB-AS1

~170.1 Mb

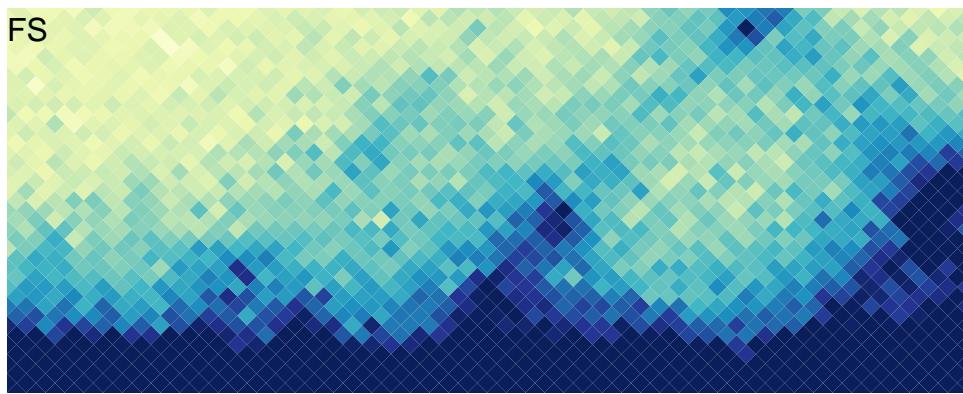
chr1

~170.8 Mb

WT



FS



MIR760

+

|

-



BCAR3

GCLM

ABCA4

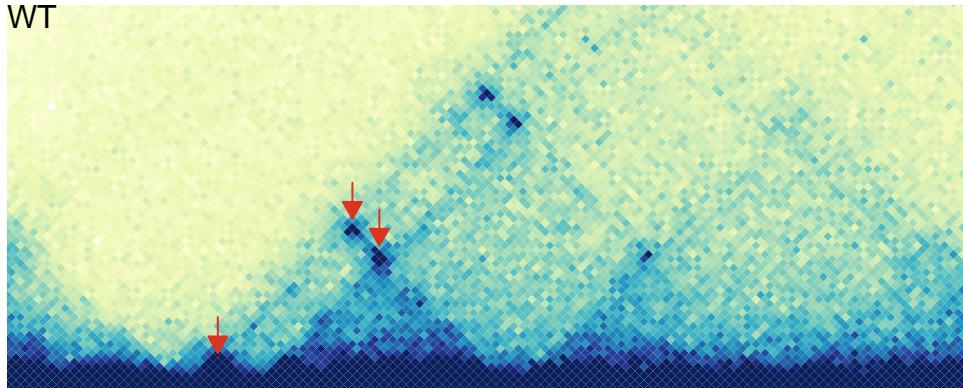
ARHGAP29

~93.7 Mb

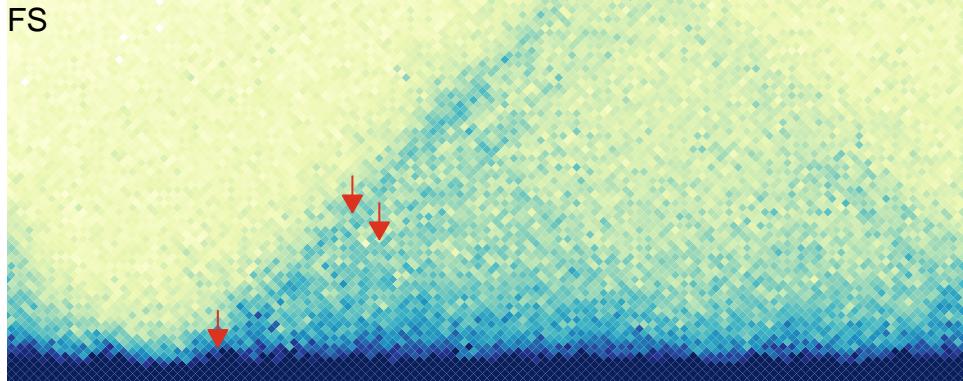
chr1

~94.2 Mb

WT



FS



FIRRM



NTMT2



GORAB



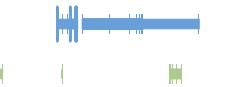
PRRX1



SCYL3



KIFAP3



MIR3119-1 LINC01142

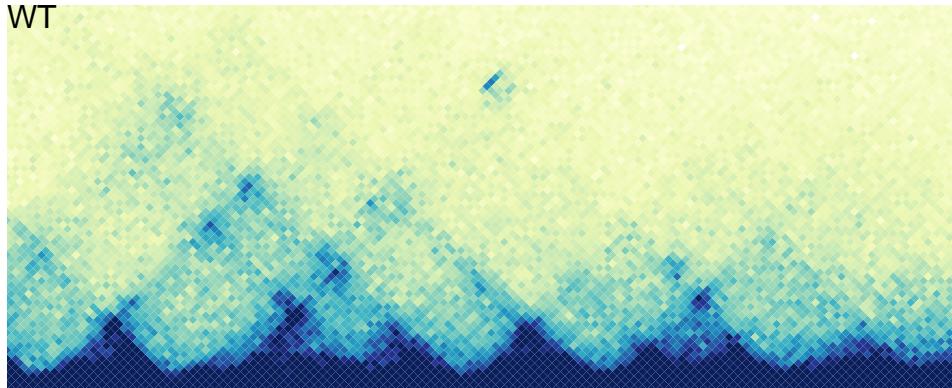
GORAB-AS1

169.7 Mb

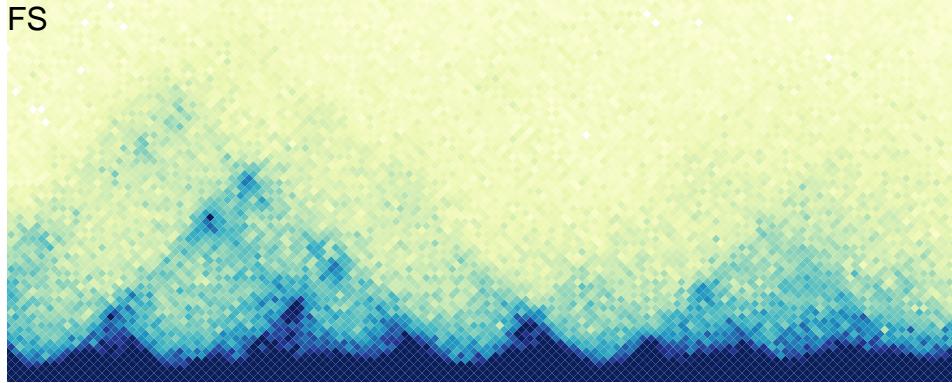
chr1

~170.8 Mb

WT



FS



STYXL2

POU2F1

RCSD1 MPZL1

DCAF6

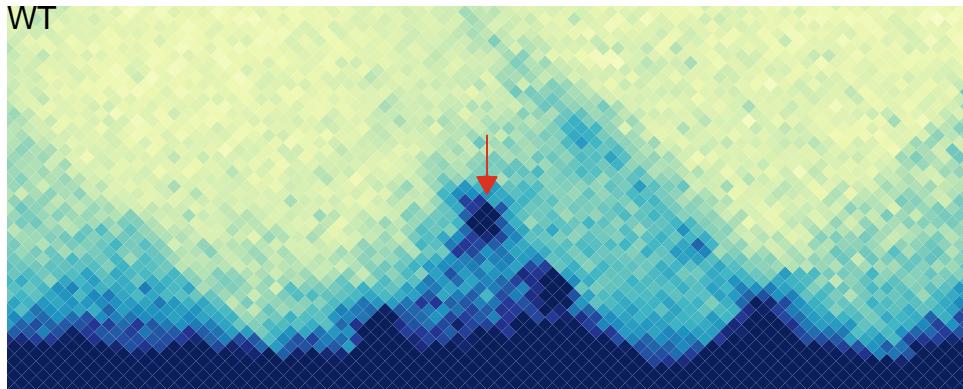


~167 Mb

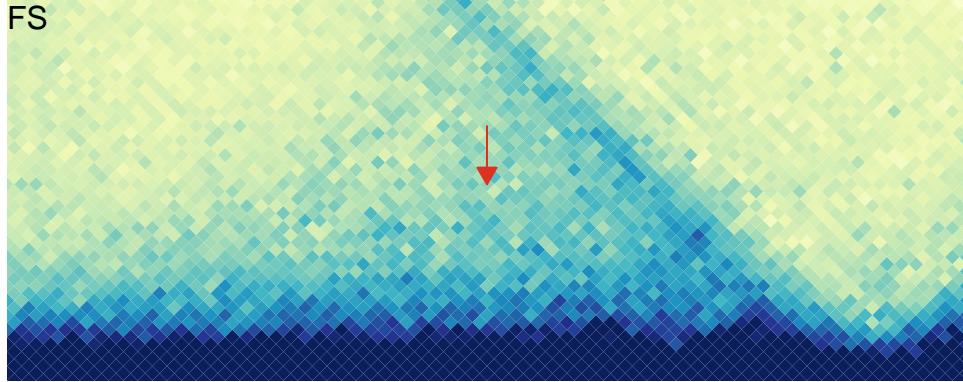
chr1

168.1 Mb

WT



FS



LINC01641

ZNF678



~227.1 Mb

chr1

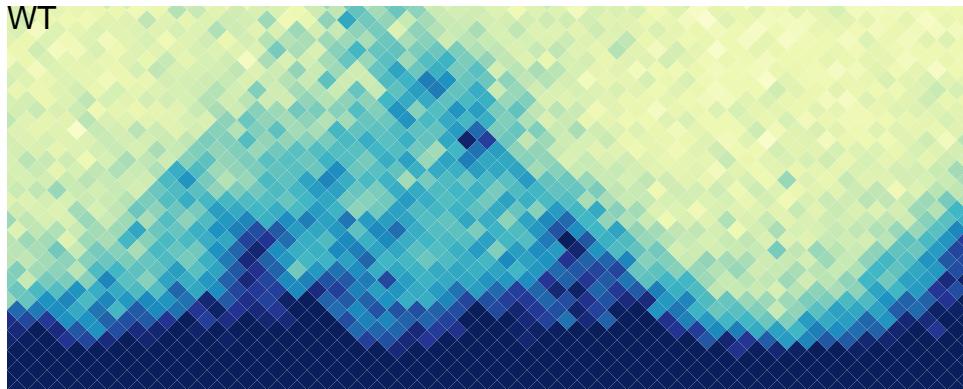
~227.7 Mb

LOC105373122

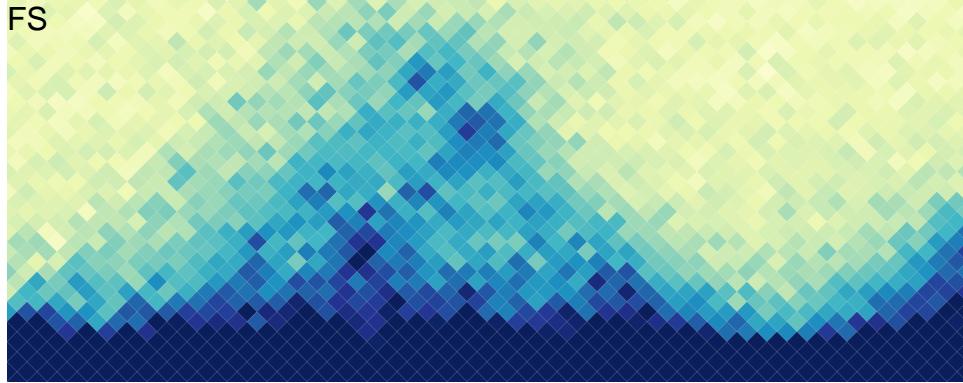


|

WT



FS



LINC02801

LMO4



LINC01364

+

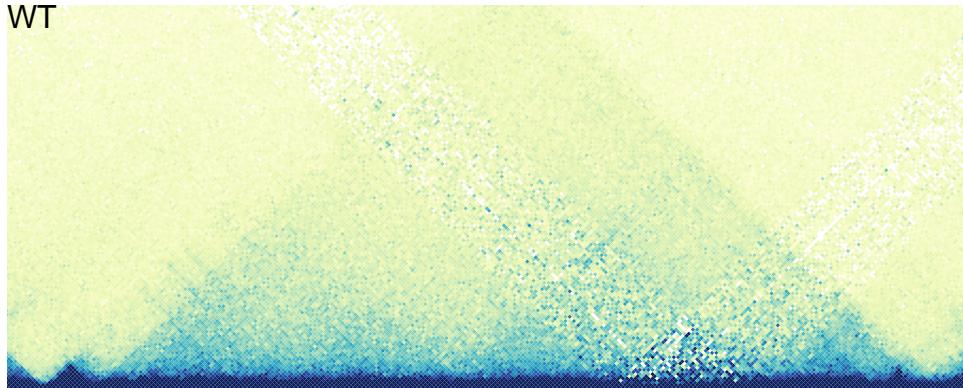
-

~87.2 Mb

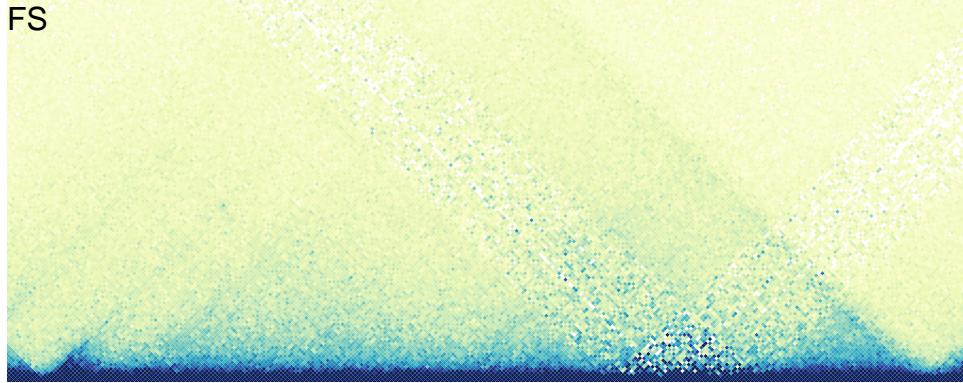
chr1

~87.7 Mb

WT



FS



LINC01362

LINC01712

PRKACB

LOC124904204 LINC01361

LINC01725 TTLL7

UOX

~82.2 Mb

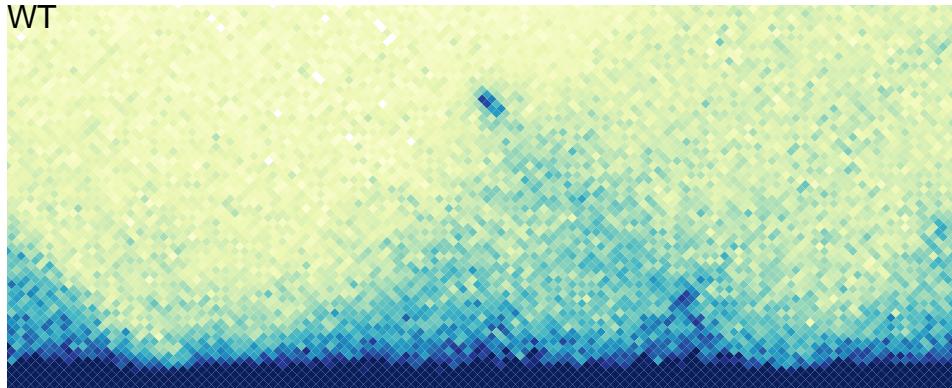
chr1

~84.4 Mb

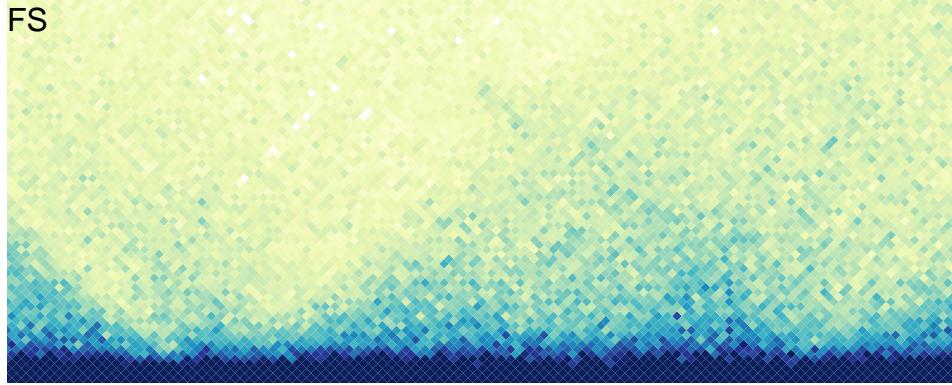
+

-

WT



FS



KCTD3

USH2A-AS2

LOC124904778

USH2A

~215.6 Mb

chr1

~216.6 Mb

+

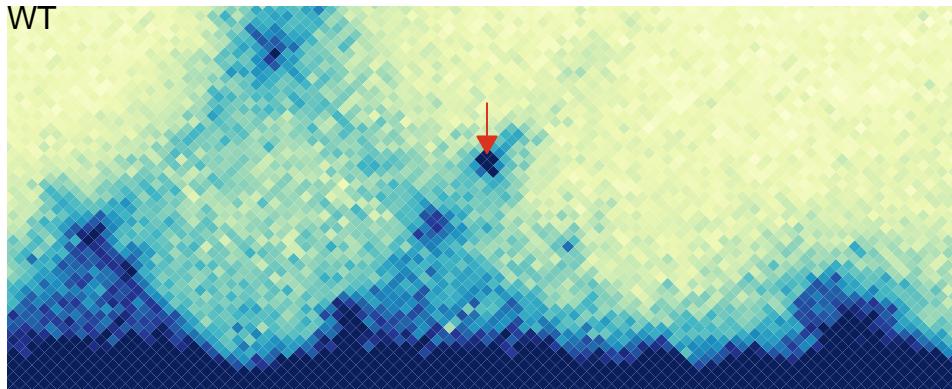
-

~215.6 Mb

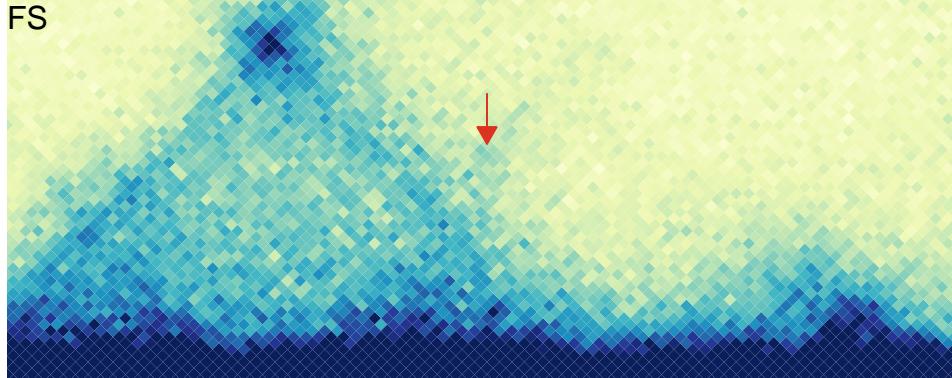
chr1

~216.6 Mb

WT



FS

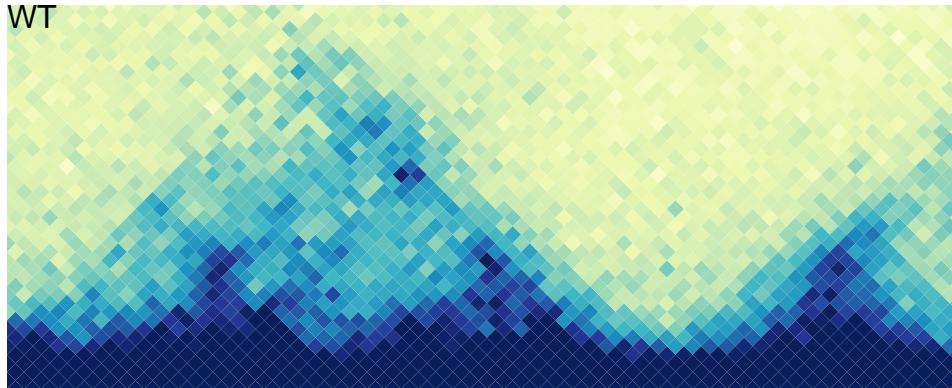


~113.7 Mb

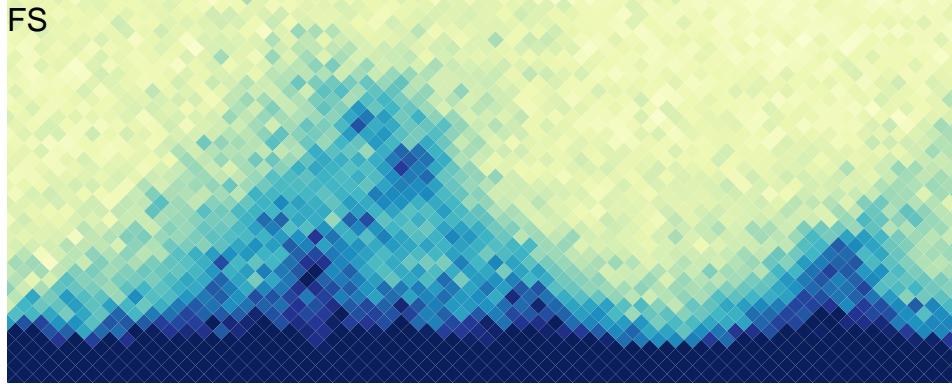
chr1

~114.5 Mb

WT



FS



LINC02801

LMO4

+



-



LINC01364

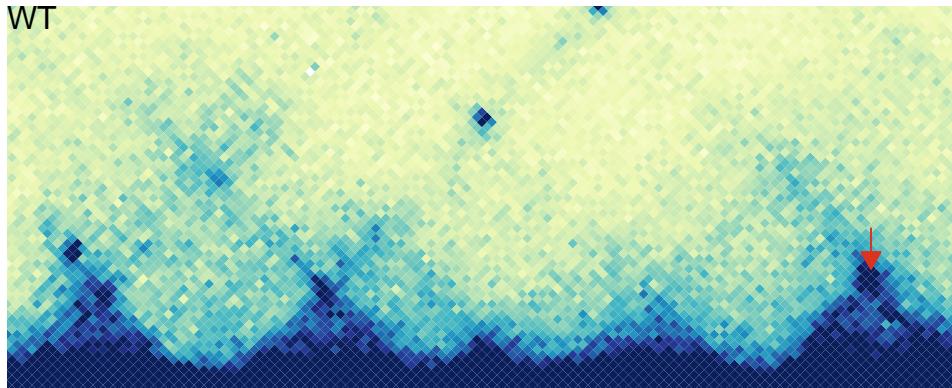
LOC107985518

~87.2 Mb

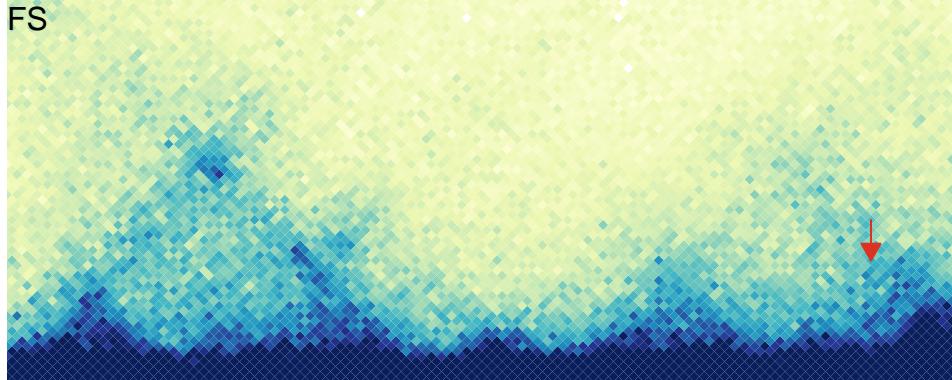
chr1

~87.8 Mb

WT



FS



TTC39A-AS1

EPS15-AS1

OSBPL9

BTFL4

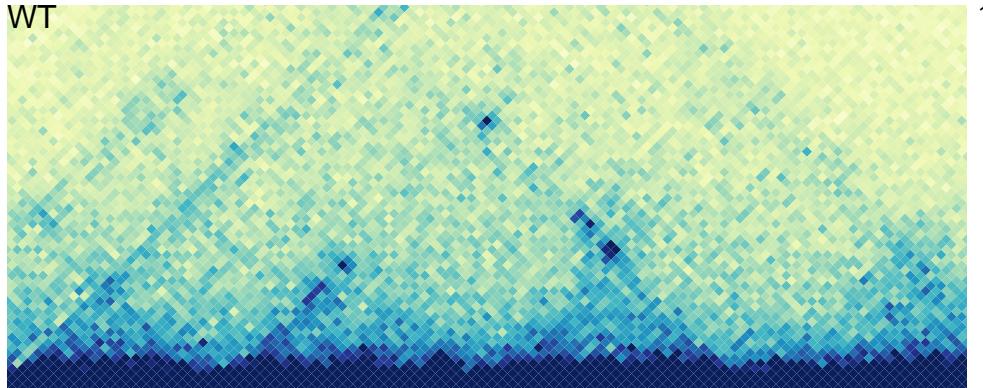


~51.2 Mb

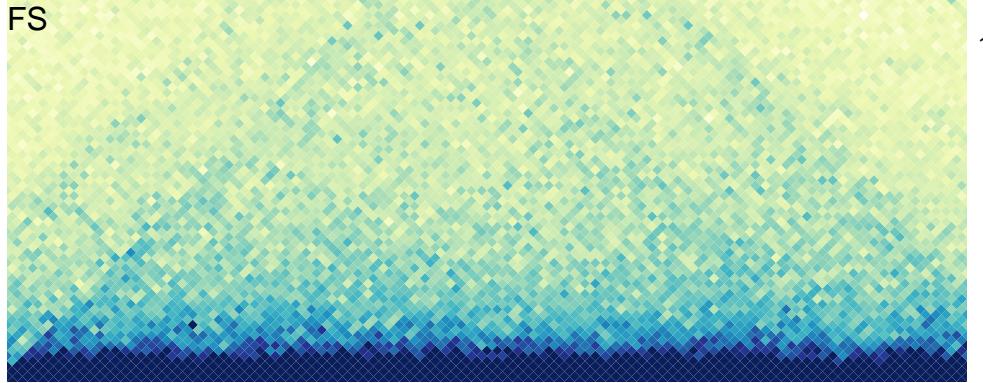
chr1

~52.2 Mb

WT



FS



LOC105378886



LINC01676



LINC01677

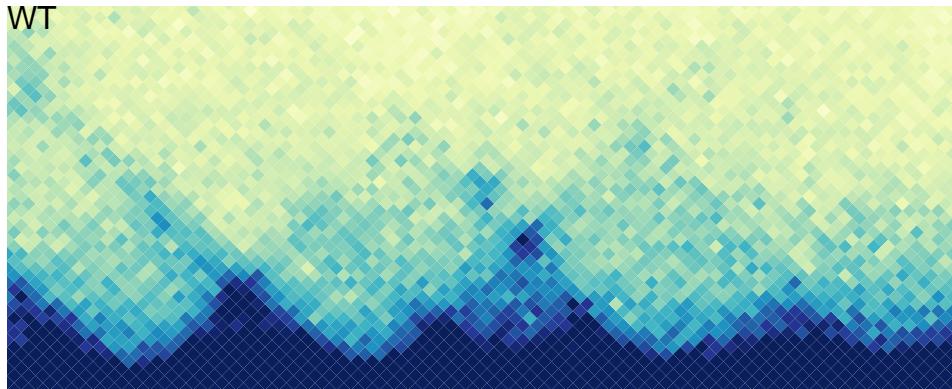


~105.3 Mb

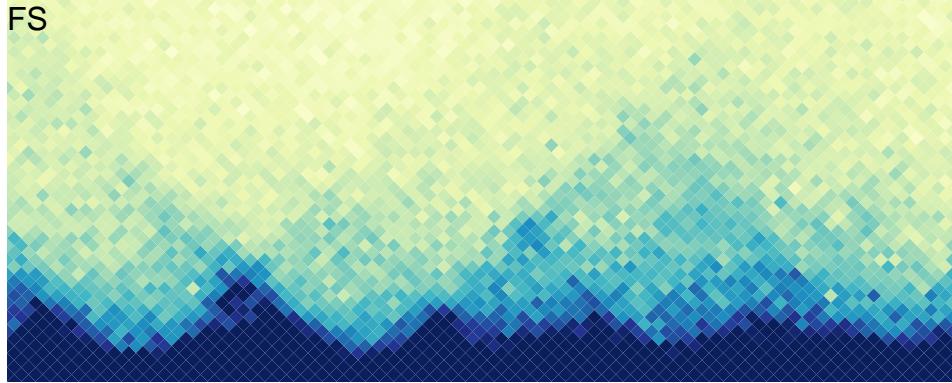
chr1

~106.3 Mb

WT



FS



RCSD1

MPZL1

DCAF6



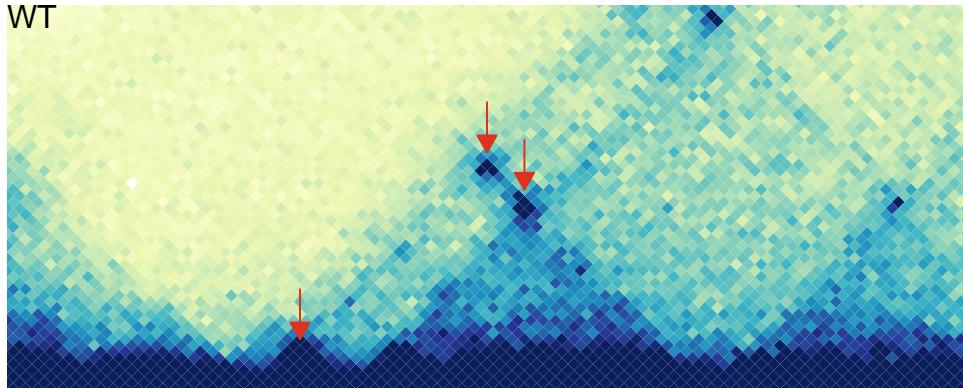
CD247 CREG1

~167.4 Mb

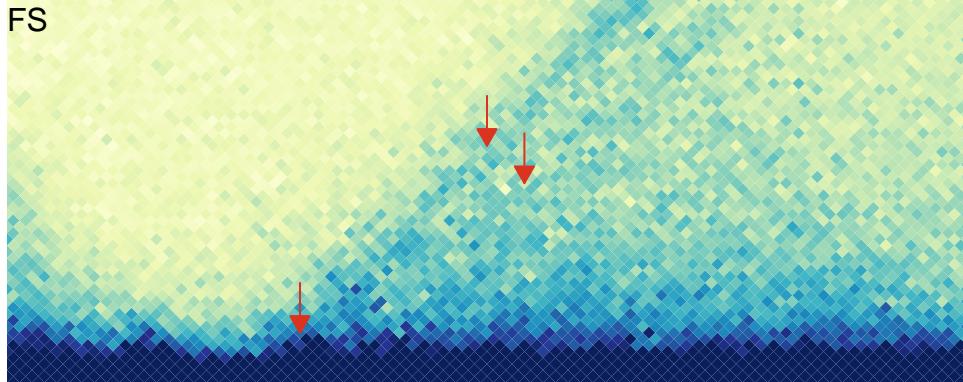
chr1

168.1 Mb

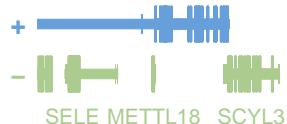
WT



FS



FIRRM



169.7 Mb

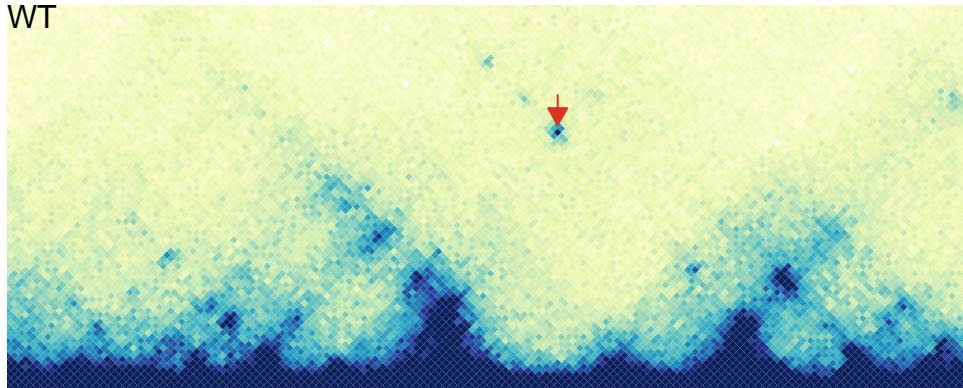
NTMT2 LINC01681



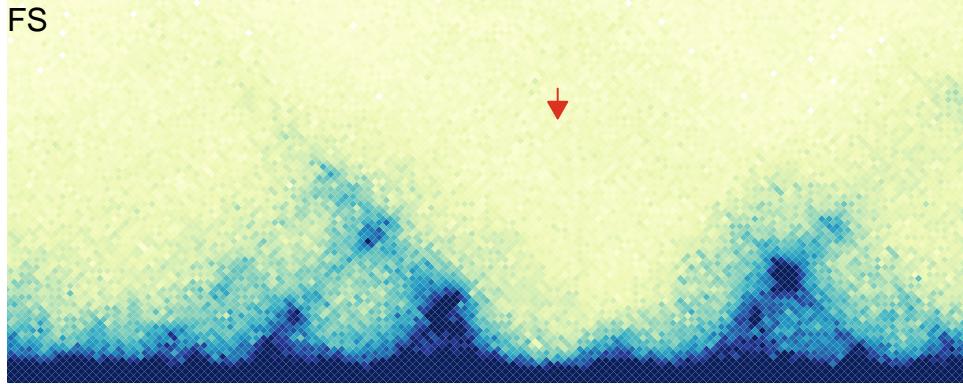
chr1

~170.5 Mb

WT



FS



MIR760

ABCD3

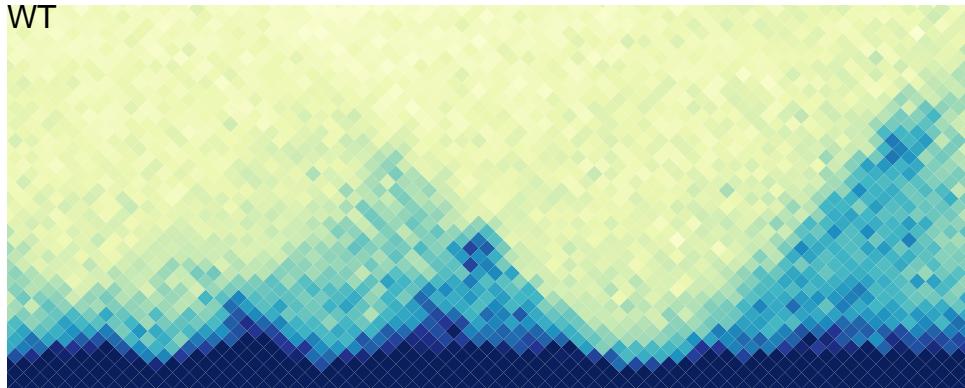


~93.6 Mb

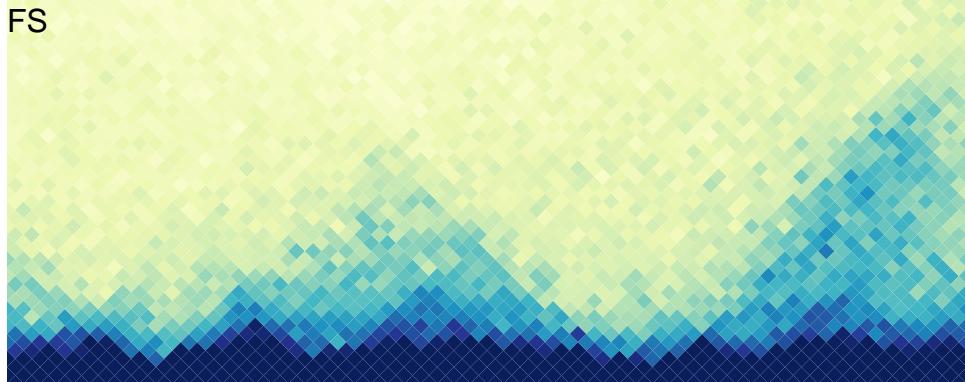
chr1

94.9 Mb

WT



FS

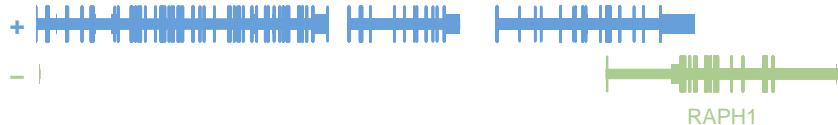


NBEAL1

CYP20A1

ABI2

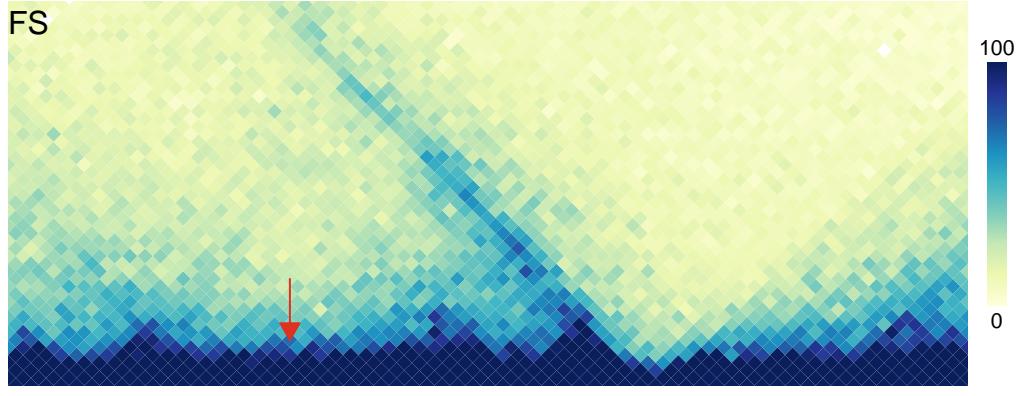
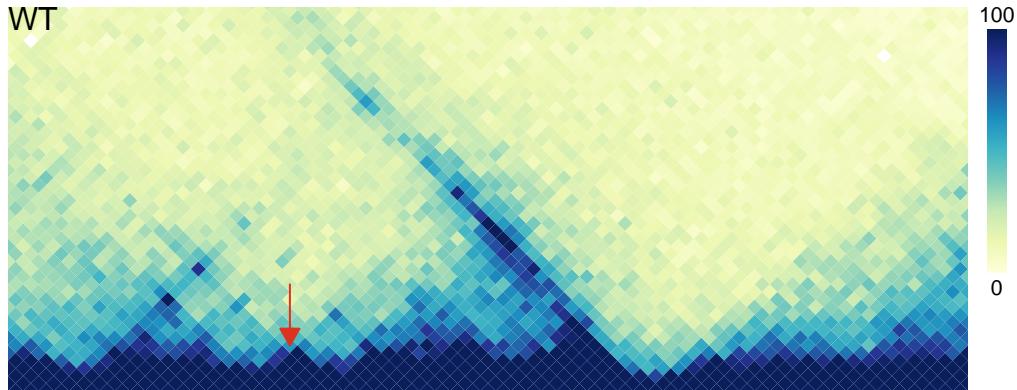
RAPH1



~203.1 Mb

chr2

~203.6 Mb



LOC105373752



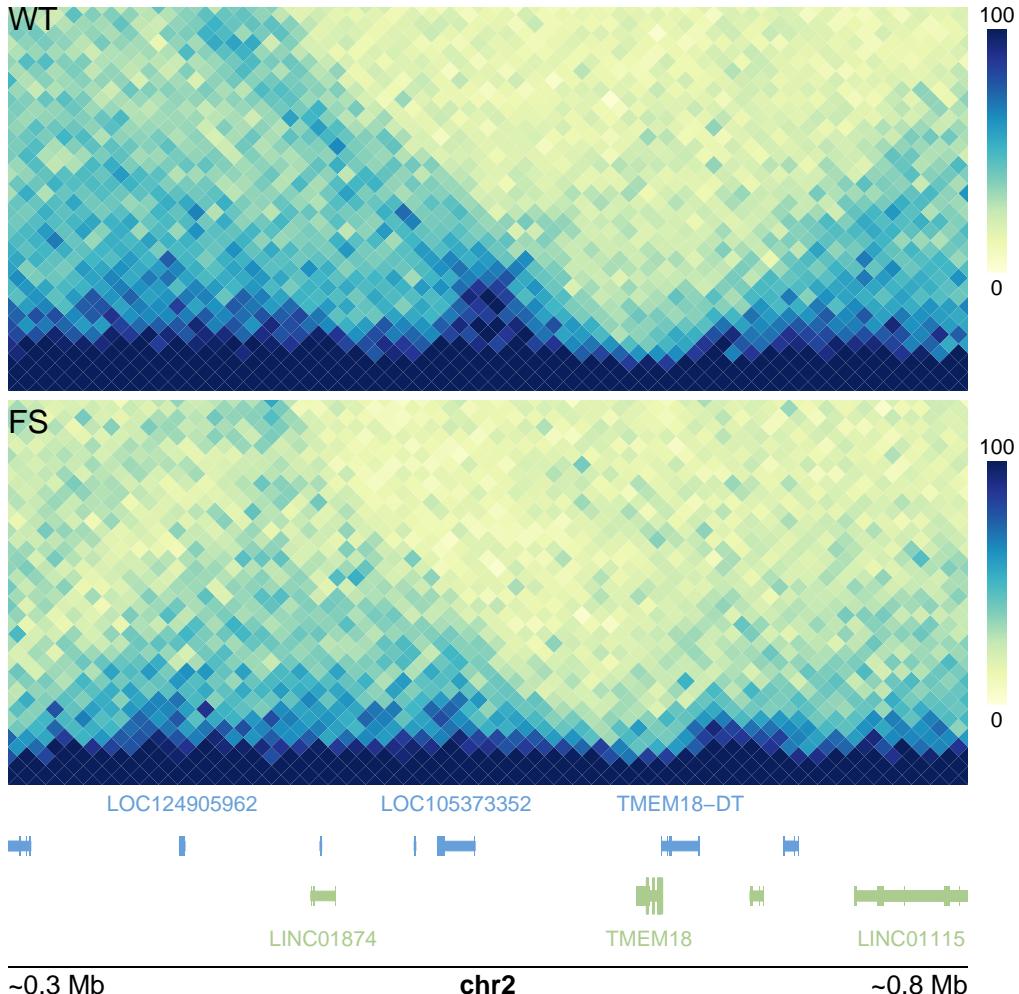
~174.8 Mb

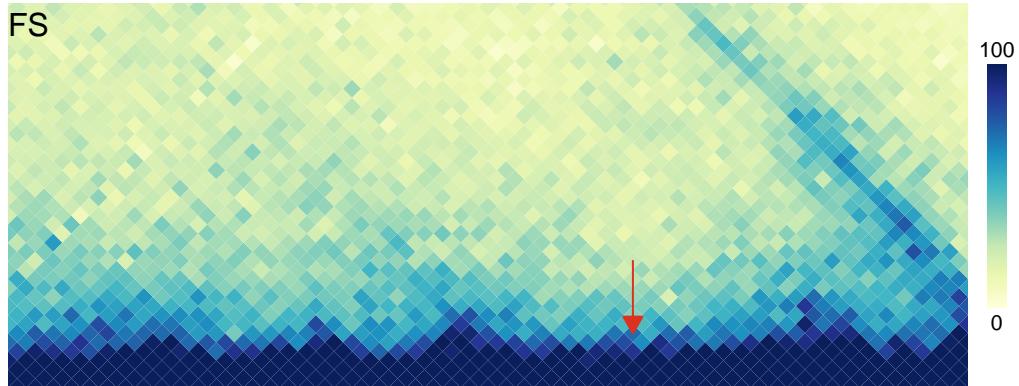
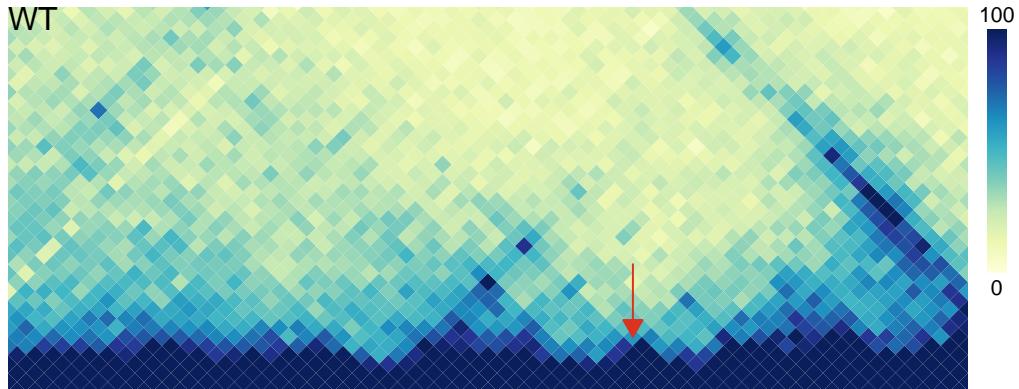


chr2

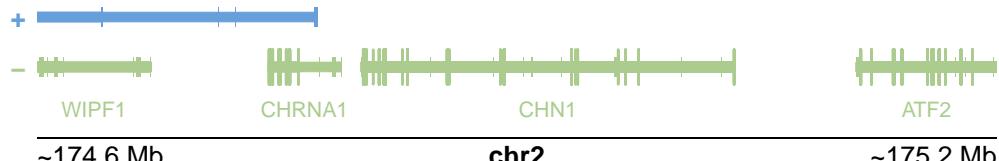


~175.4 Mb

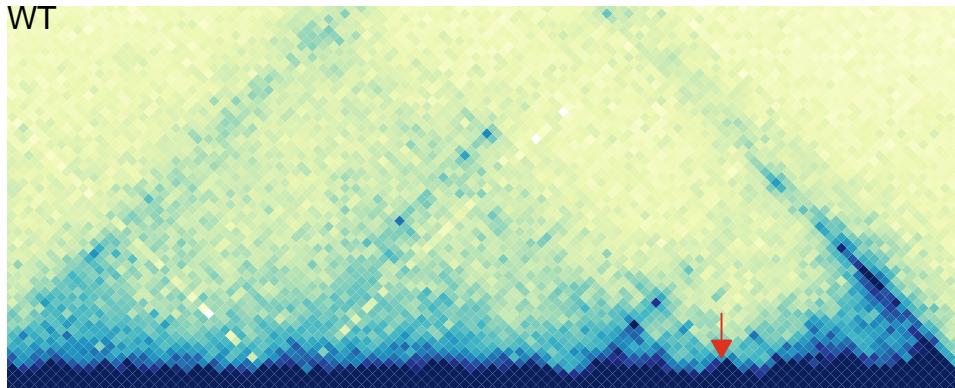




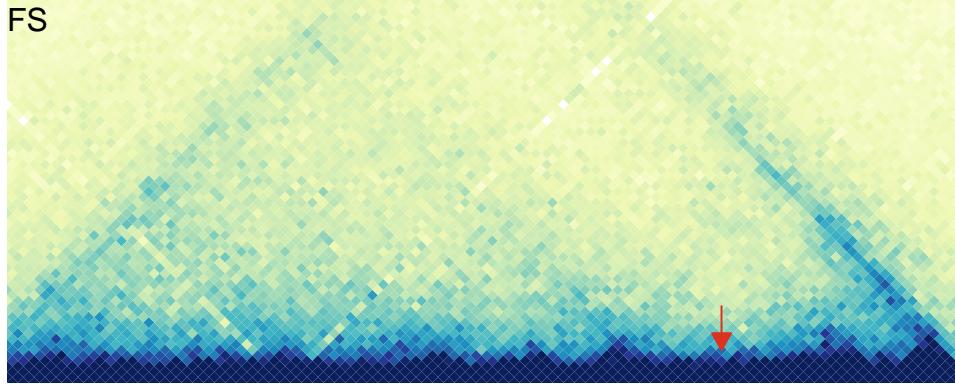
LOC124906096



WT

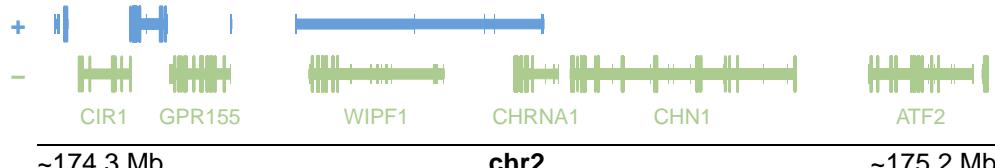


FS

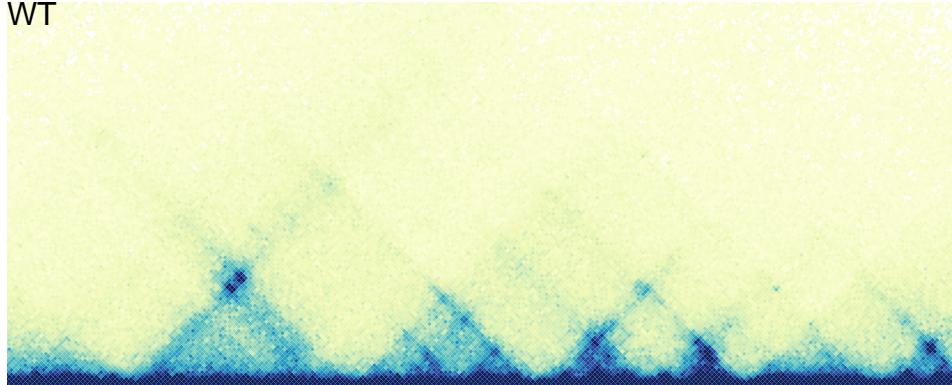


SP9 SCRN3

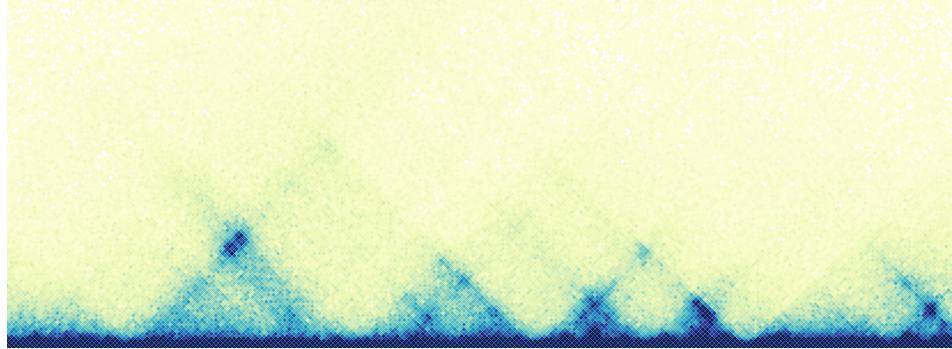
LOC124906096



WT



FS



LINC03063

RMDN2

LINC01883

GALM

MORN2

+

-

CDC42EP3

CYP1B1

ATL2

SRSF7

SOS1

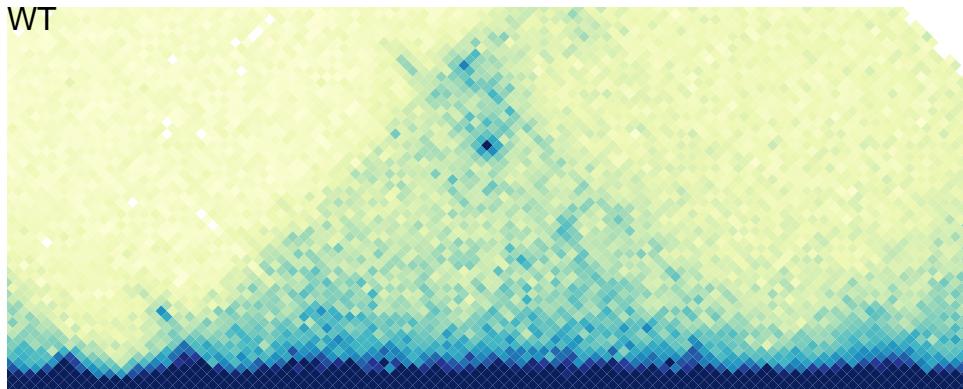
MAP4K3

~37.4 Mb

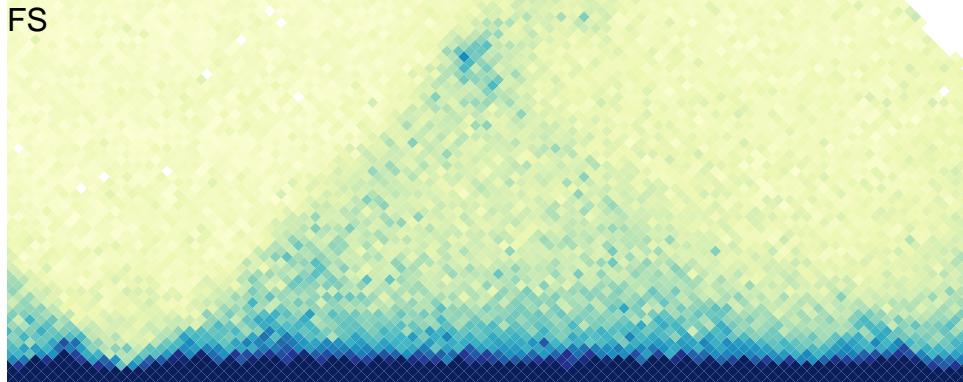
chr2

~39.5 Mb

WT



FS



EPC2

KIF5C

LYPD6B

LYPD6

+



-

LOC101928553

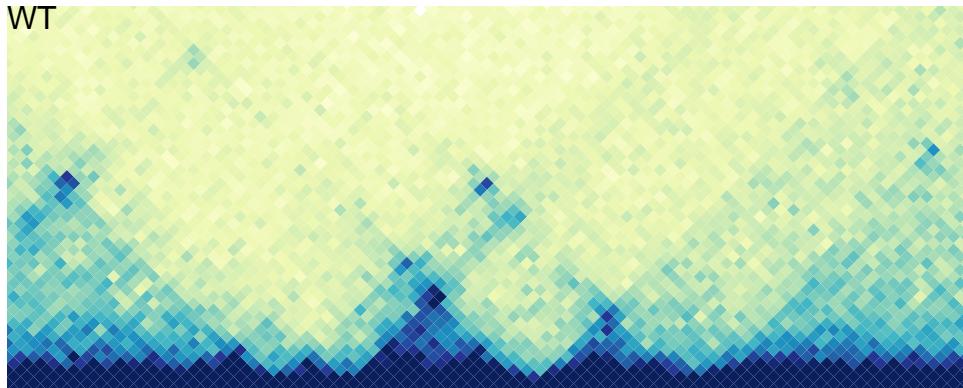
LOC105373677

~148.6 Mb

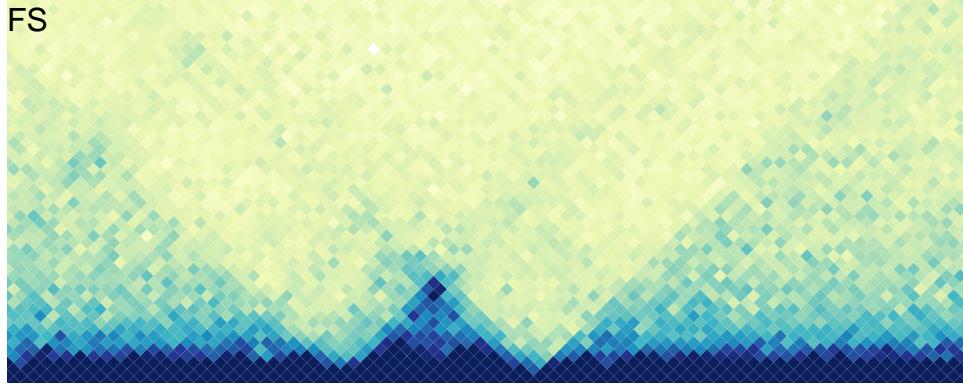
chr2

~149.4 Mb

WT



FS



MEIS1

LINC01798

LINC01799

LINC01797

LINC01628

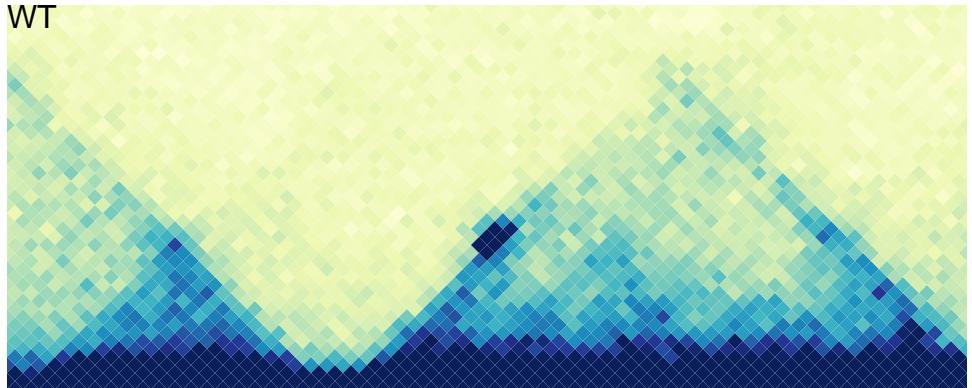


~66.4 Mb

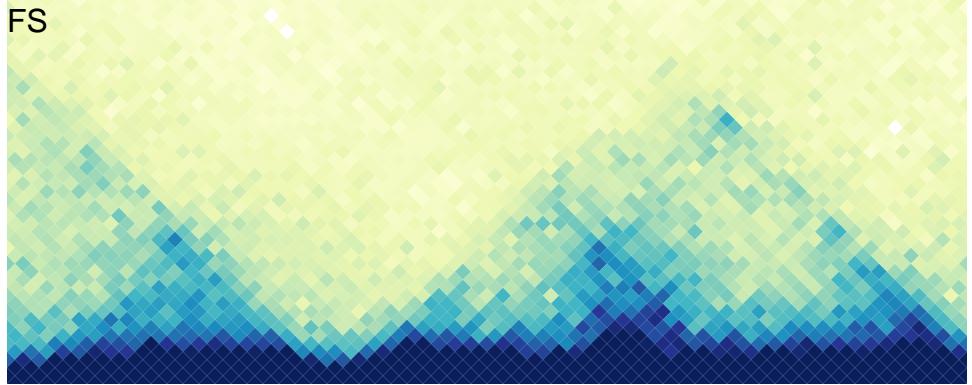
chr2

~67.1 Mb

WT



FS



PNO1

LOC102724389

PLEK

APLF

PROKR1

+



-



PPP3R1

CNRIP1

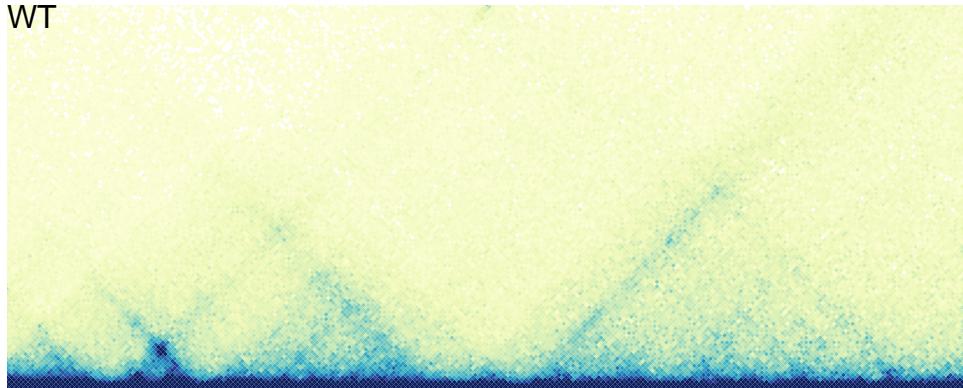
FBXO48

~68.1 Mb

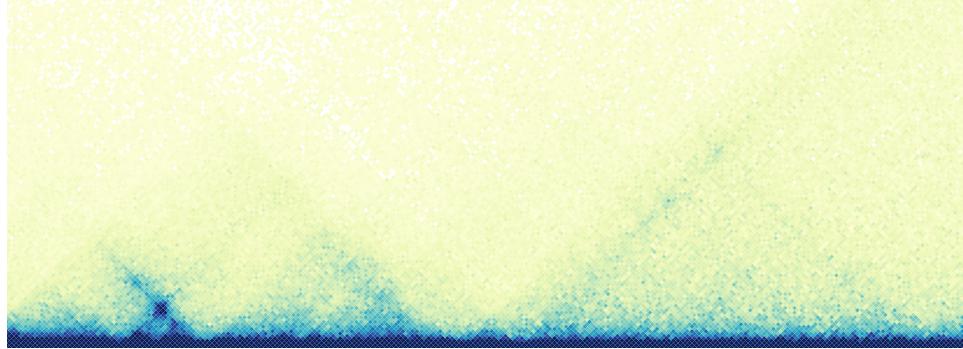
chr2

~68.7 Mb

WT



FS



TMEM178A SLC8A1-AS1 LOC101929667

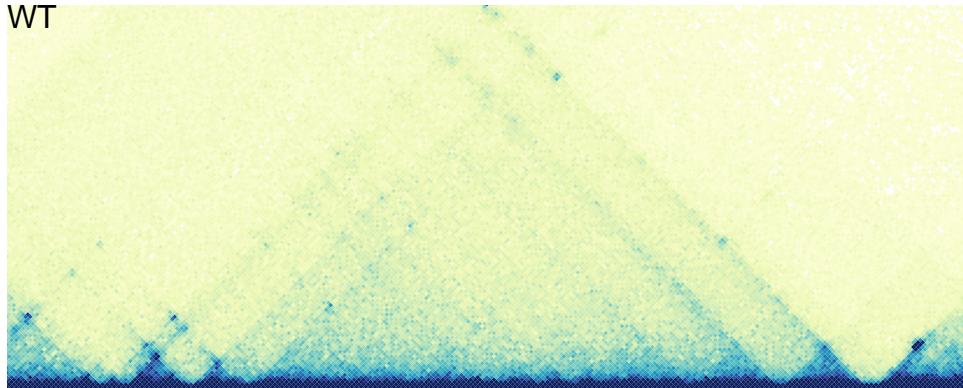


~39 Mb

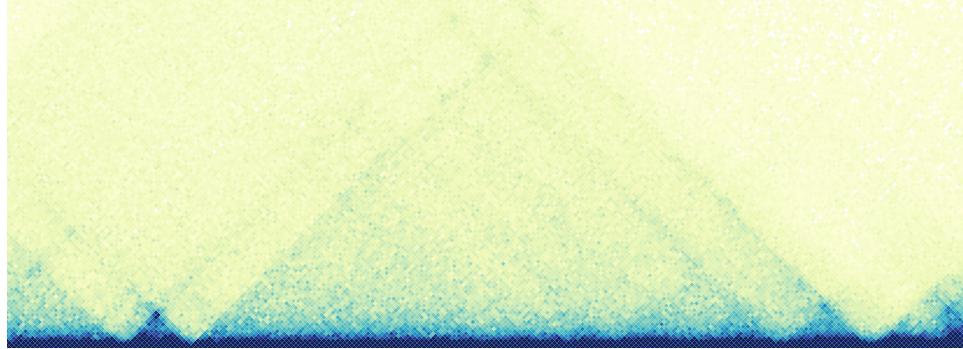
chr2

41.1 Mb

WT



FS



MEIS1

LOC101927661 ETAA1 LINC02831

PNO1

PLEK

+

-

LINC01628

LINC01829

LINC01812

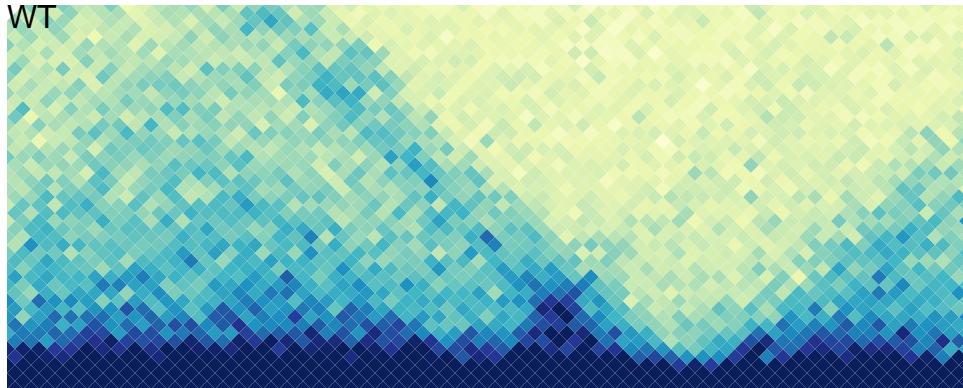
C1D PPP3R1

~66.4 Mb

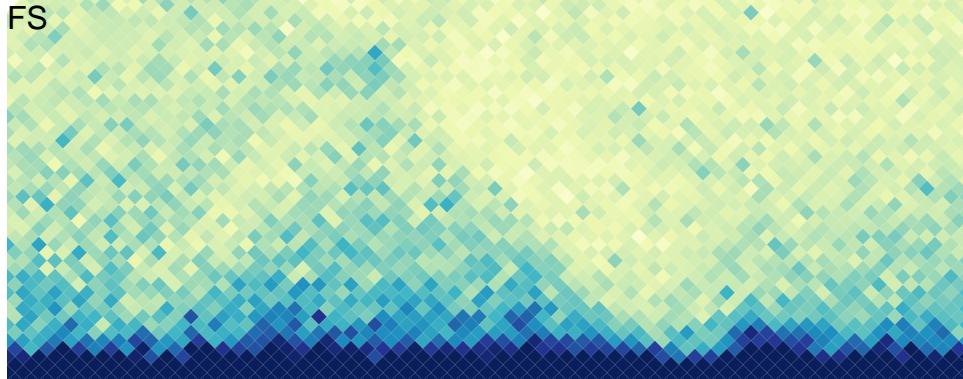
chr2

~68.5 Mb

WT



FS



ACP1 LINC01865 LOC124905962

LOC105373352

TMEM18-DT

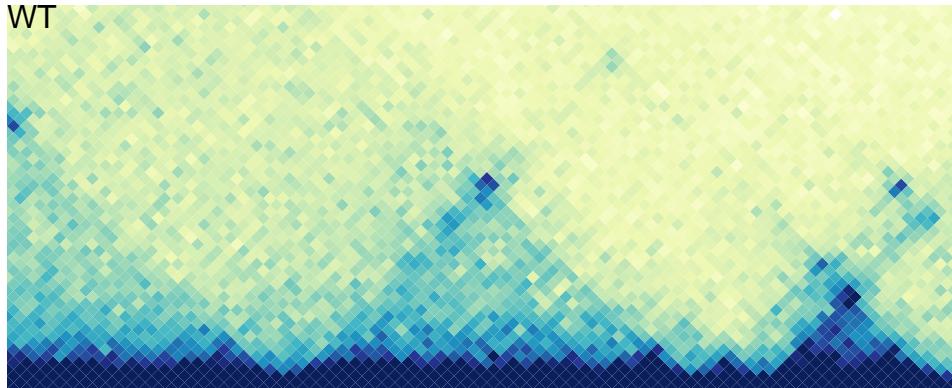


~0.2 Mb

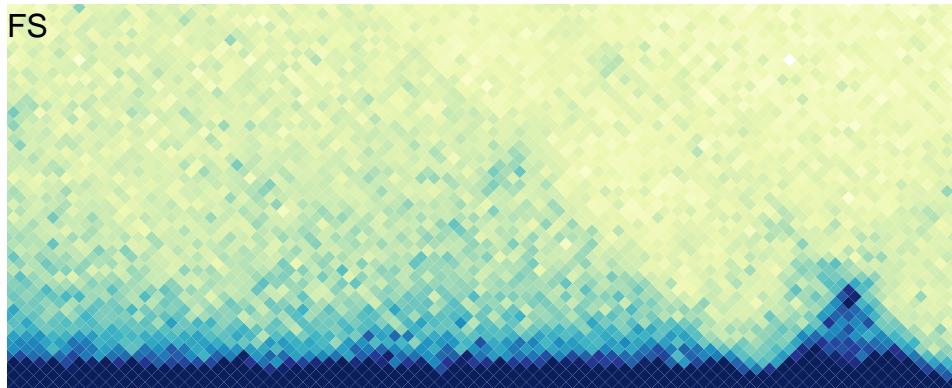
chr2

~0.8 Mb

WT



FS



LINC01873

MEIS1

LINC01798

MIR4778 MEIS1-AS2

LINC01797

+

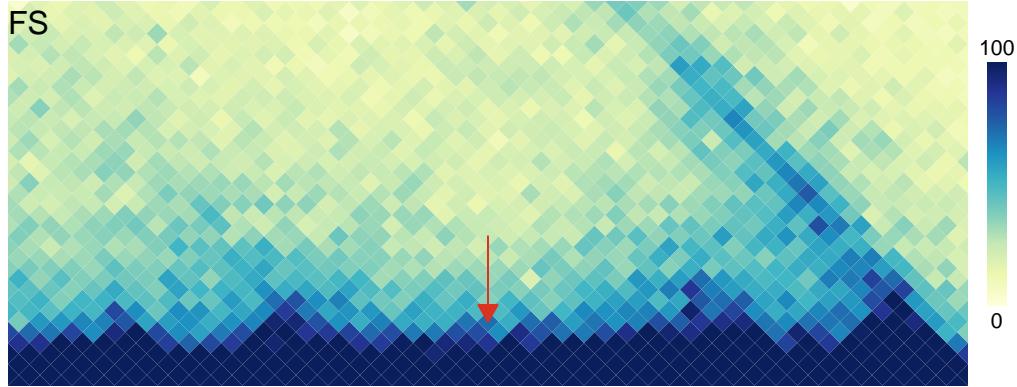
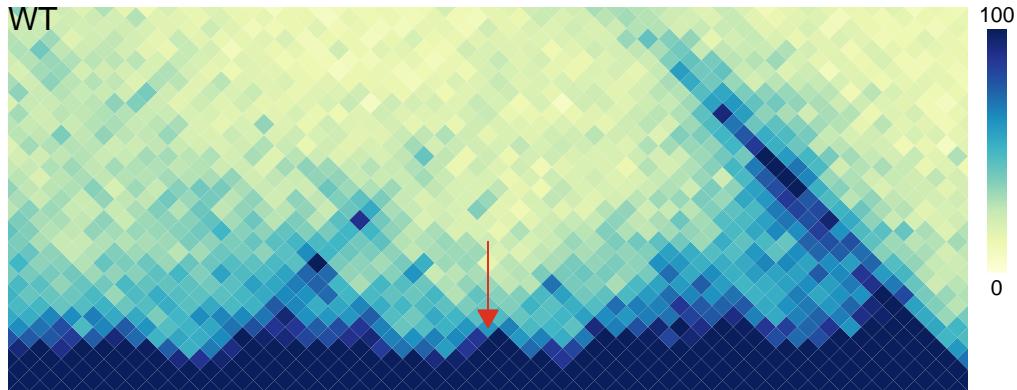
-



~66.1 Mb

chr2

~66.8 Mb



+

-

CHRNA1

CHN1

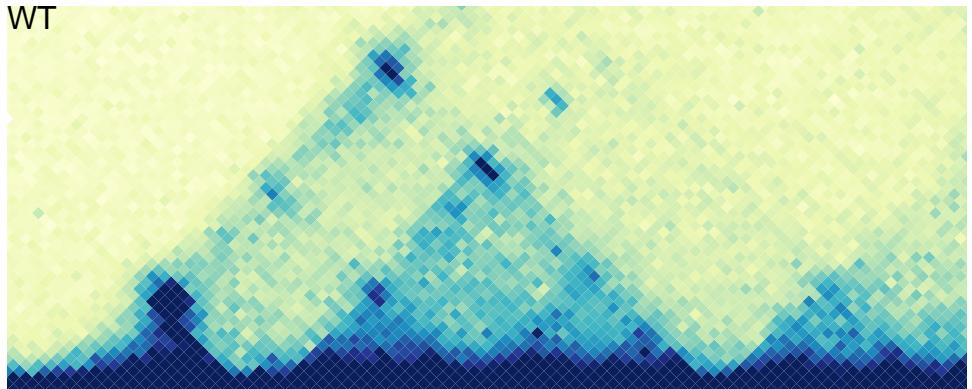
ATF2 MIR933

~174.7 Mb

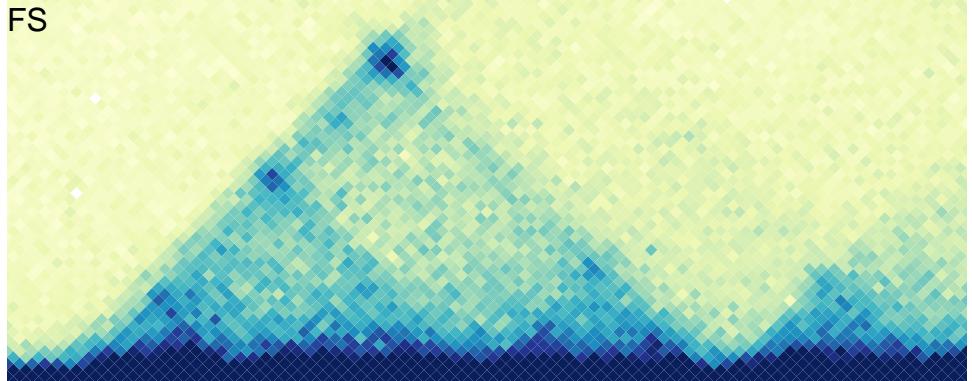
chr2

~175.2 Mb

WT



FS



HNRNPA3

AGPS

LOC105373760

NFE2L2

IFT70B

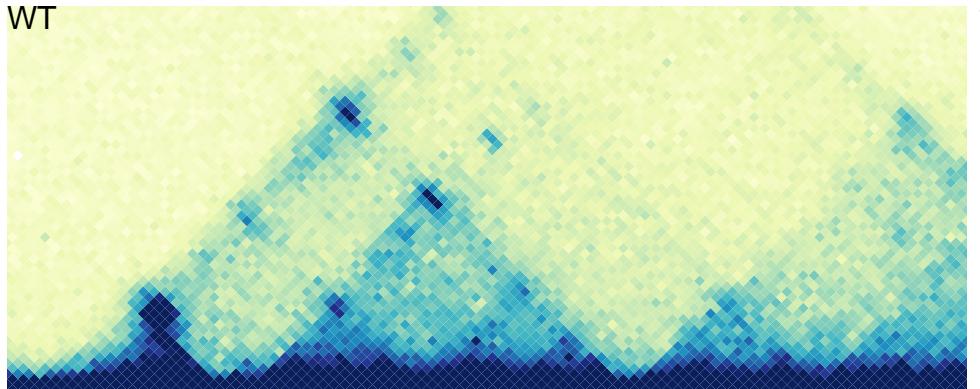
PDE11A

~176.9 Mb

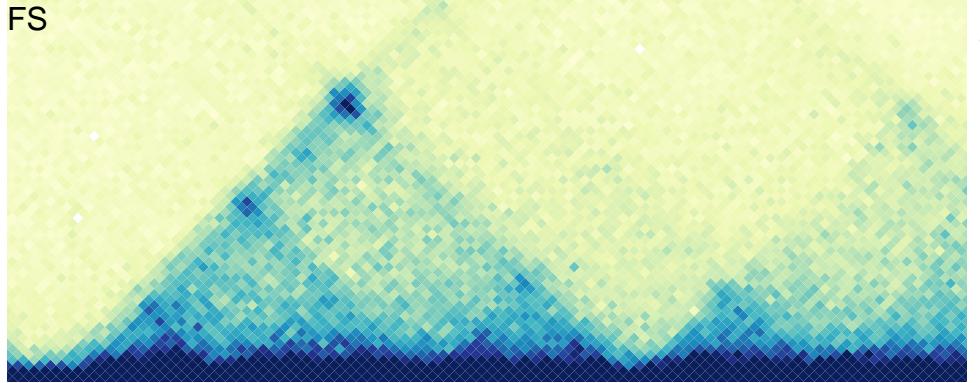
chr2

~177.7 Mb

WT



FS



HNRNPA3

AGPS

PDE11A-AS1

+

-

LOC105373760

NFE2L2

IFT70BIFT70A

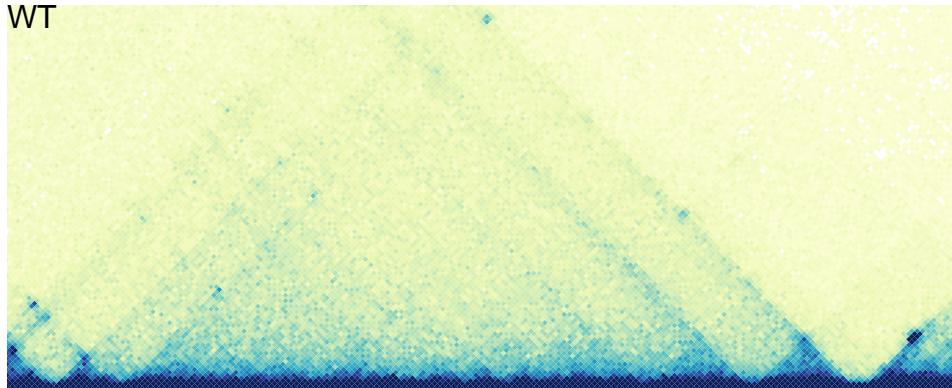
PDE11A

~176.9 Mb

chr2

~177.8 Mb

WT



FS



LINC01799 LOC101927661 ETAA1 LINC02831

PNO1 PLEK

LINC01628

LINC01829

LINC01812

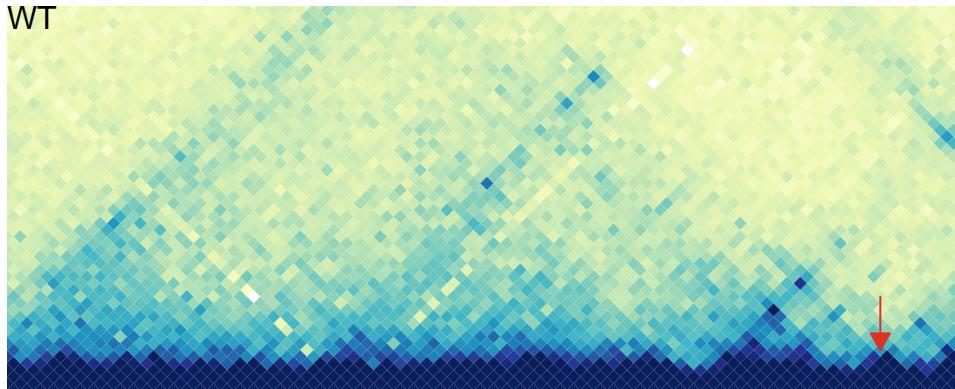
C1D PPP3R1

~66.7 Mb

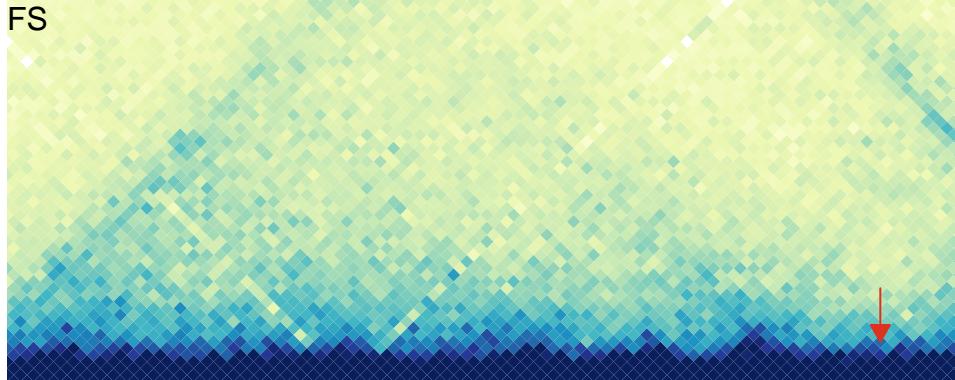
chr2

~68.5 Mb

WT



FS



SP9 SCRN3 GPR155-DT LOC124906096

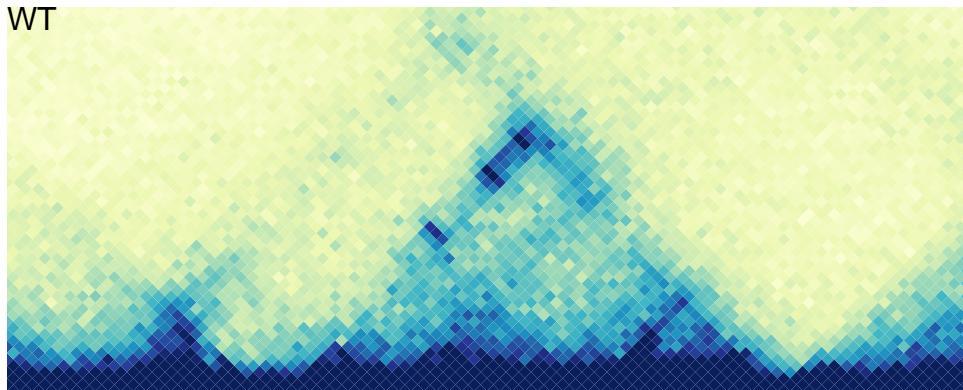


~174.3 Mb

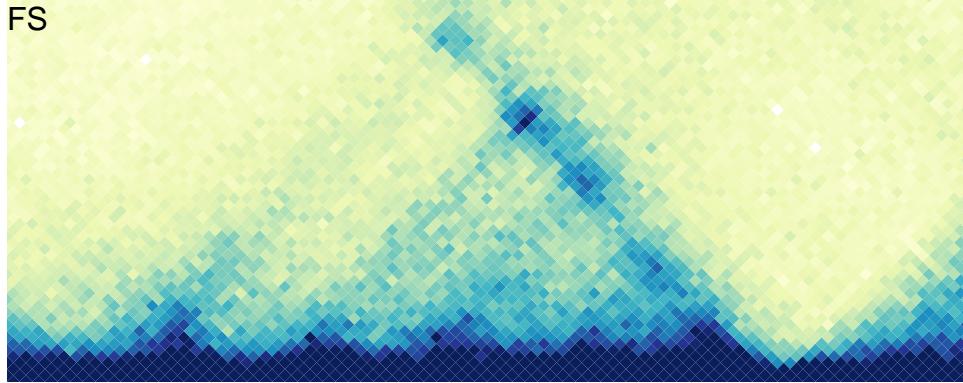
chr2

~175 Mb

WT



FS



ITGA6

PDK1

LOC124906146

RAPGEF4

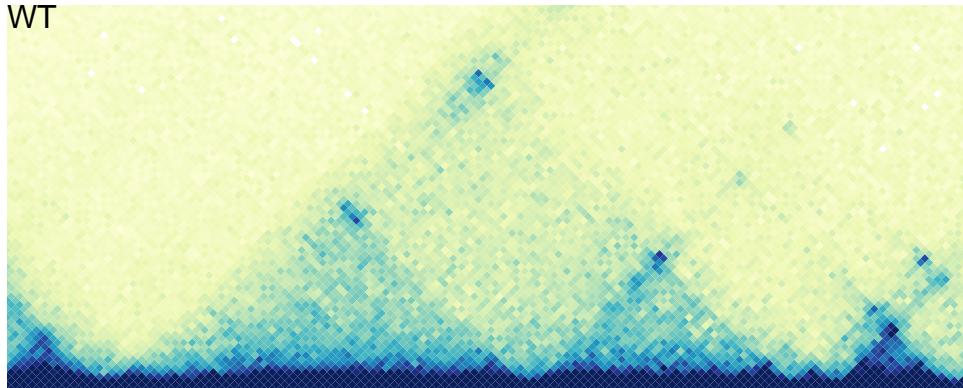


~172.4 Mb

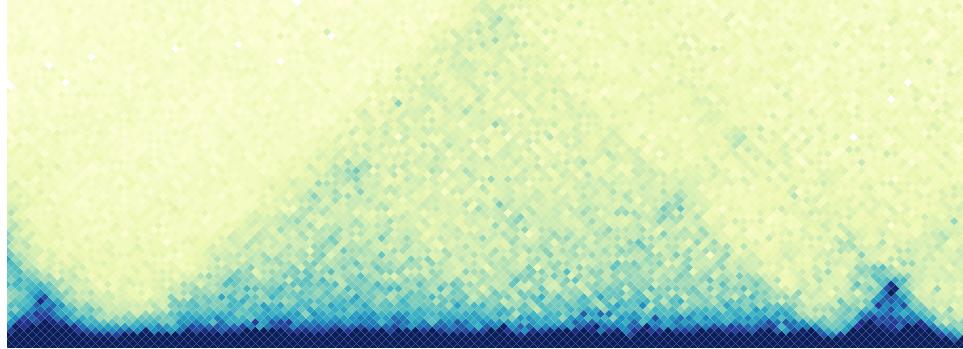
chr2

~173.1 Mb

WT



FS



LINC02934

LINC01873 MEIS1

LINC01798



+

-

+

-

+

-

~65.7 Mb

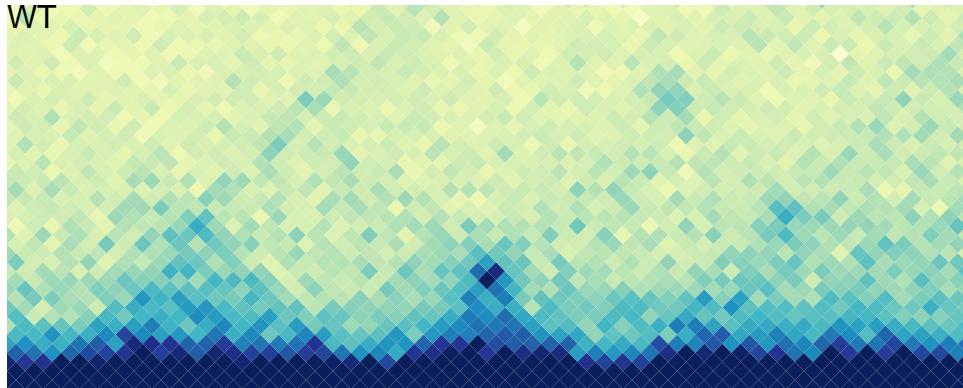
chr2

~66.8 Mb

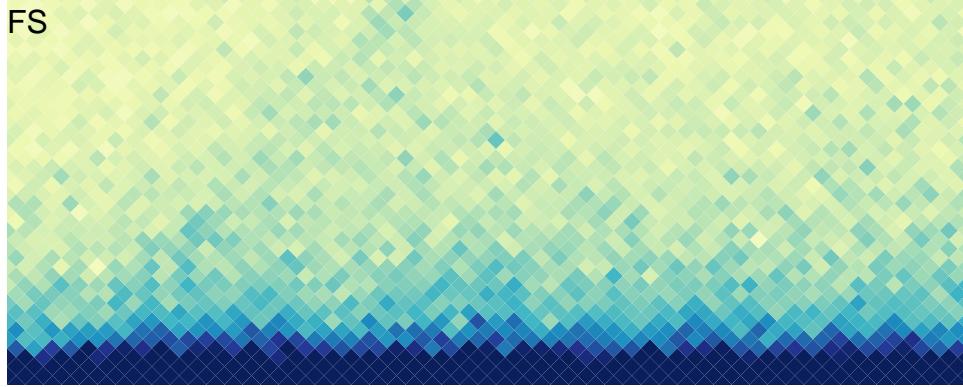
MIR4778

LINC01797

WT



FS



LOC105373899

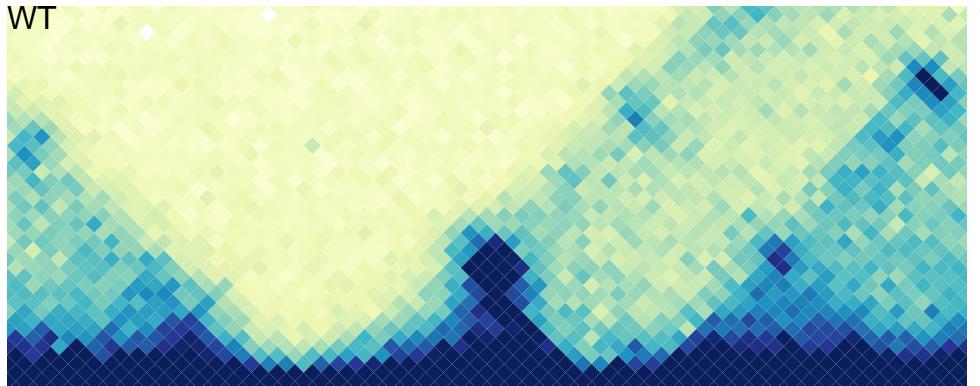


~221.5 Mb

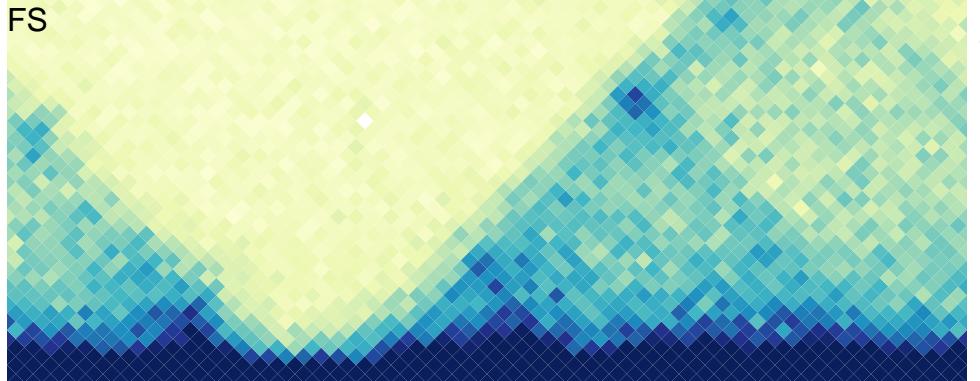
chr2

~222.1 Mb

WT



FS



HNRNPA3



LOC105373760



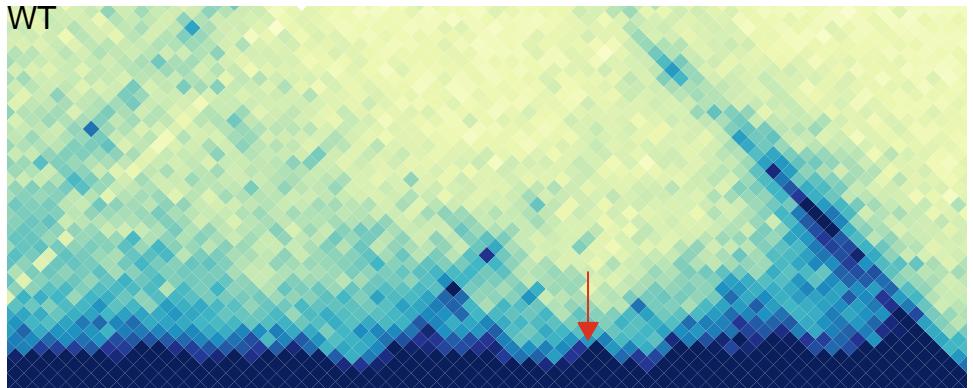
NFE2L2

176.8 Mb

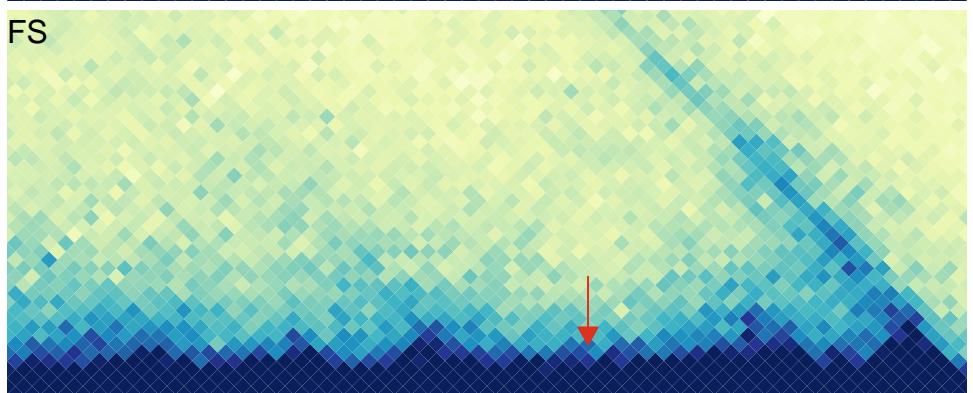
chr2

~177.3 Mb

WT



FS



LOC124906096

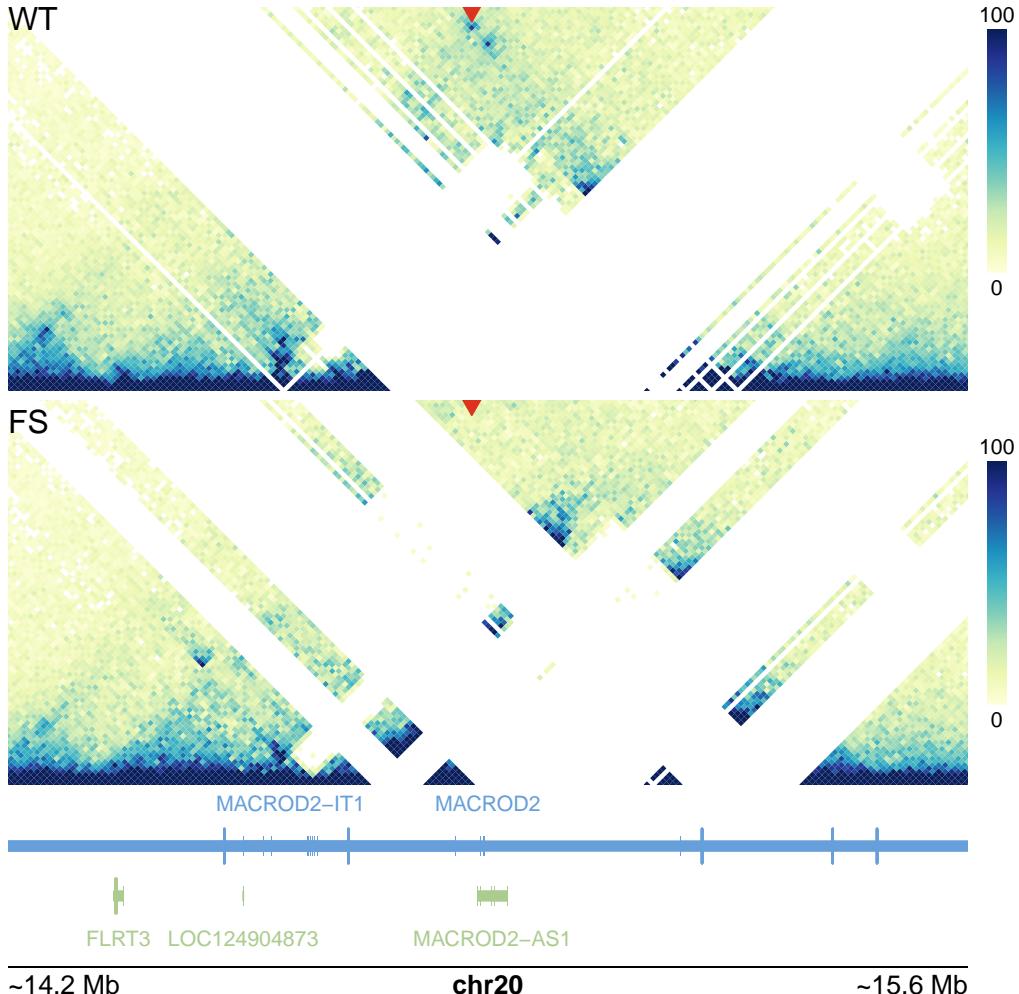


chr2

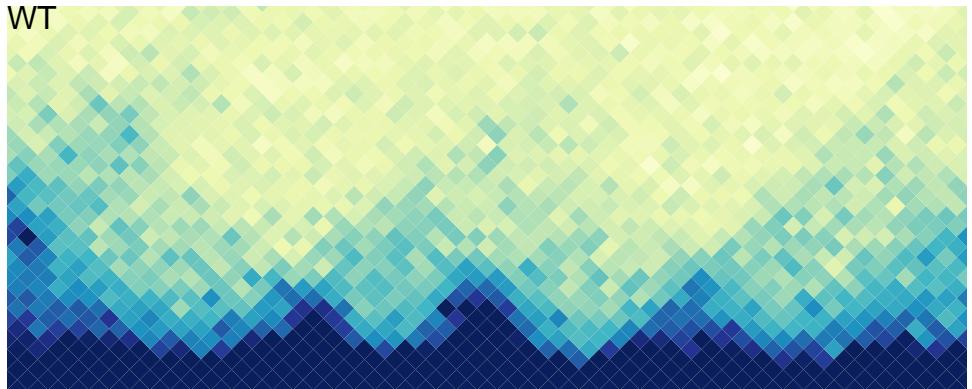
~174.6 Mb



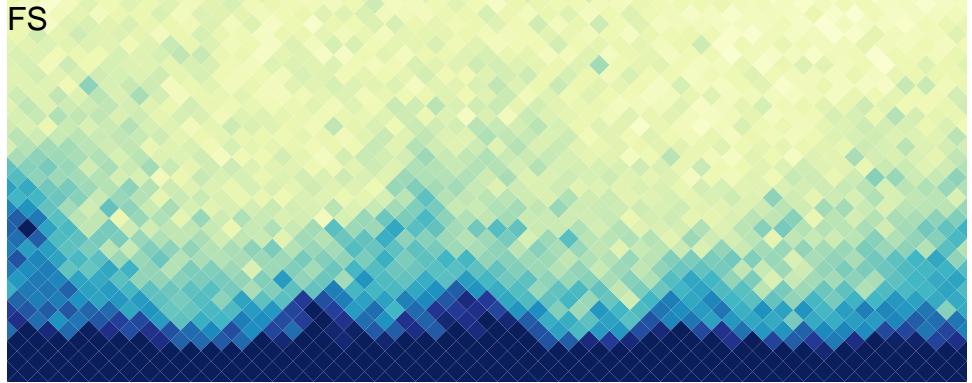
~175.2 Mb



WT



FS



RAB22A

VAPB

APCDD1L-DT

STX16



+

-

PPP4R1L

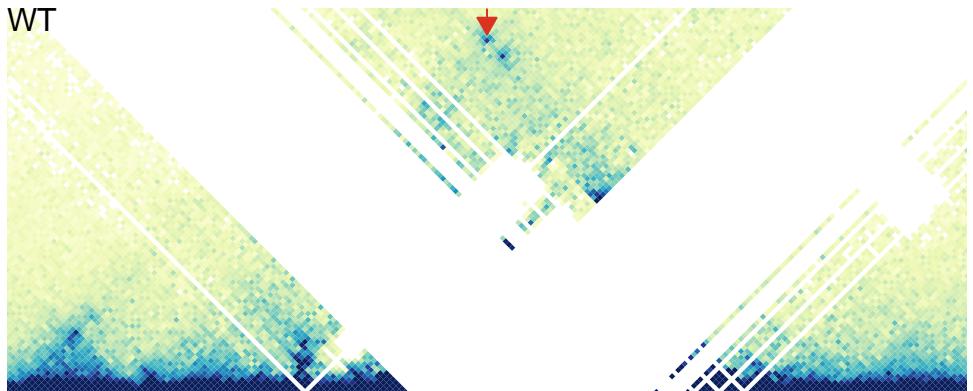
APCDD1L

~58.2 Mb

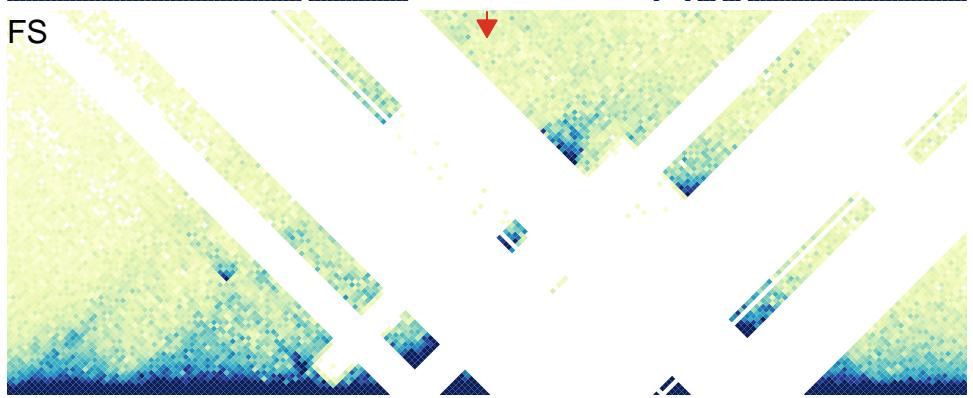
chr20

~58.7 Mb

WT



FS



MACROD2-IT1

MACROD2

FLRT3 LOC124904873

MACROD2-AS1

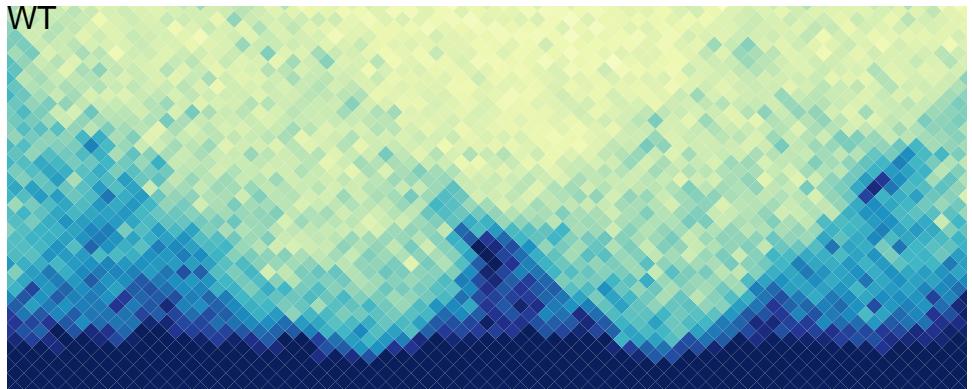
~14.1 Mb

chr20

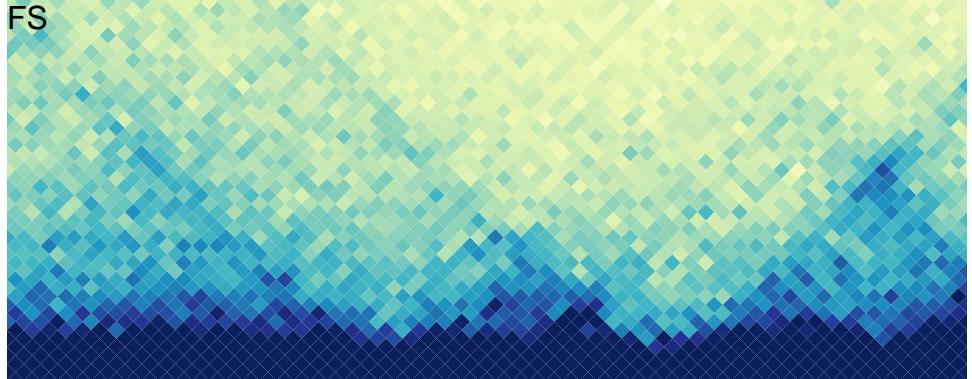
~15.6 Mb



WT



FS



LINC01374

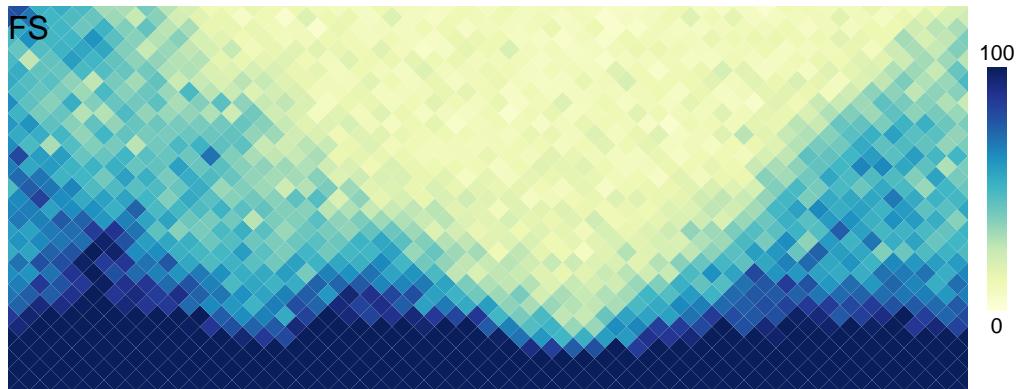
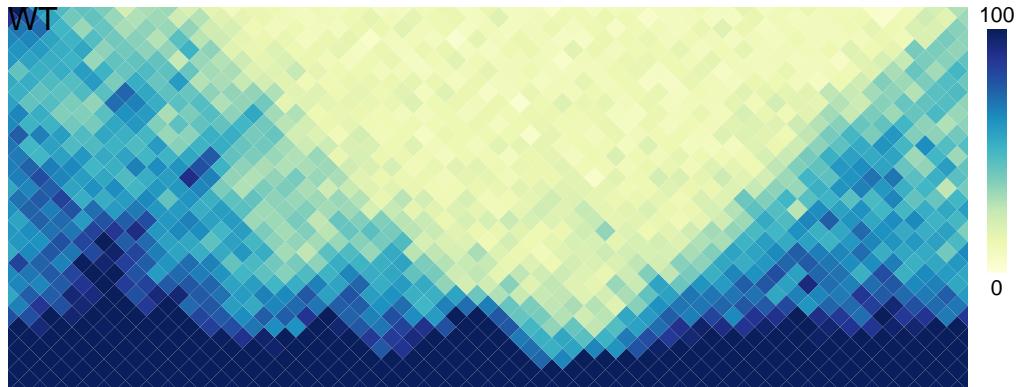


~89.9 Mb

chr10

90.5 Mb

LINC02653

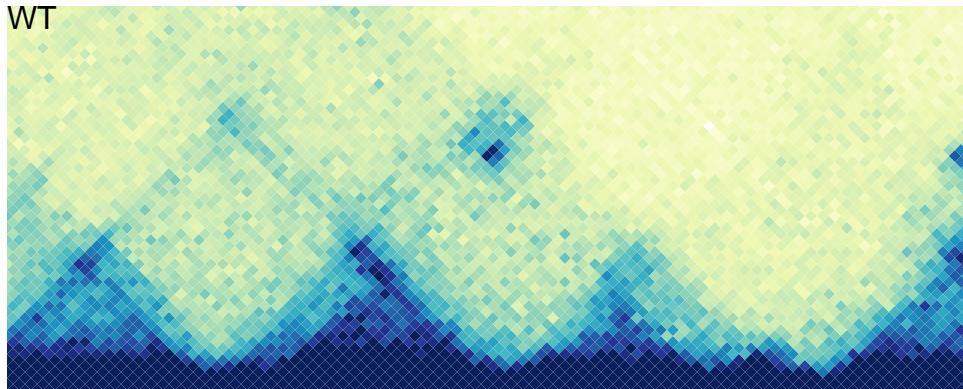


+

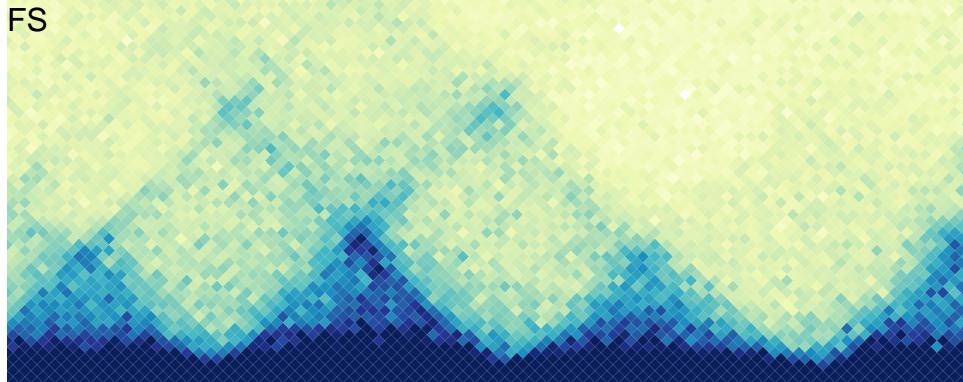
-

*ITGA8**MINDY3* $\sim 15.7 \text{ Mb}$ **chr10** $\sim 16.1 \text{ Mb}$

WT



FS



MLLT10



BMI1 SPAG6



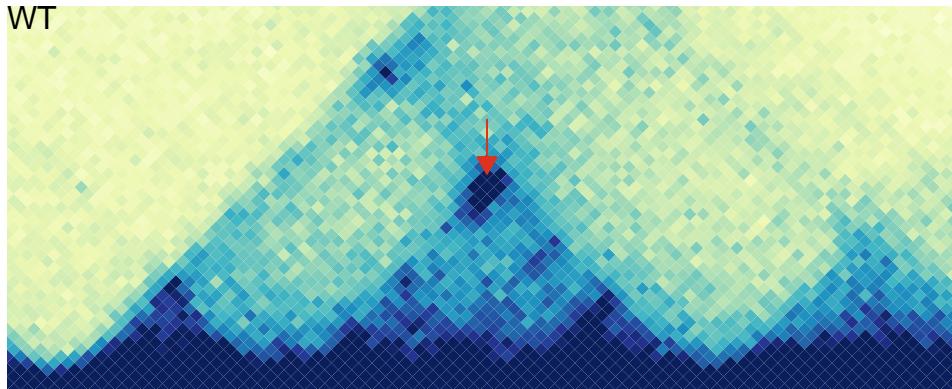
~21.6 Mb

chr10

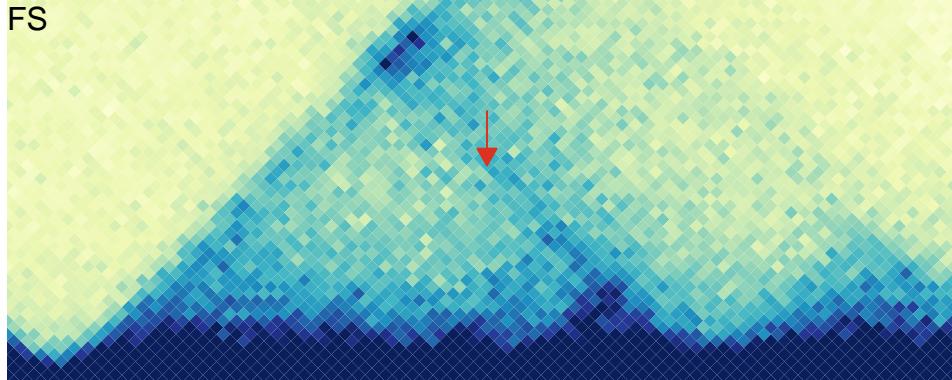
~22.4 Mb

EBLN1

WT



FS



VCL

ADK



+ 

- 

AP3M1

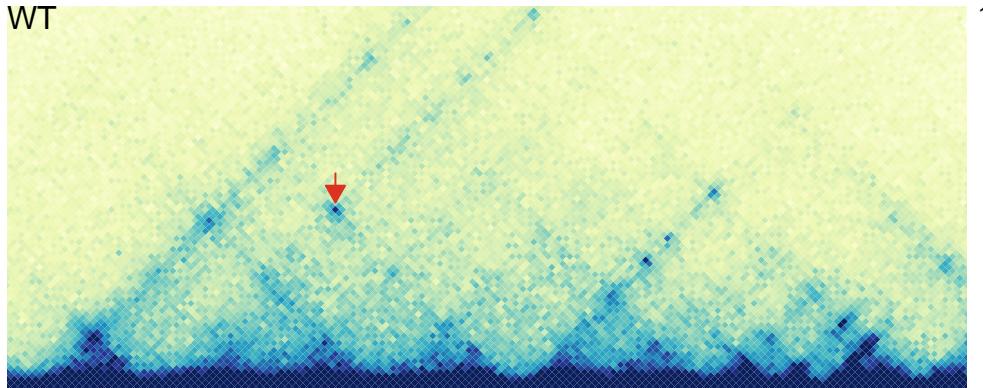
LOC102723439

~74.1 Mb

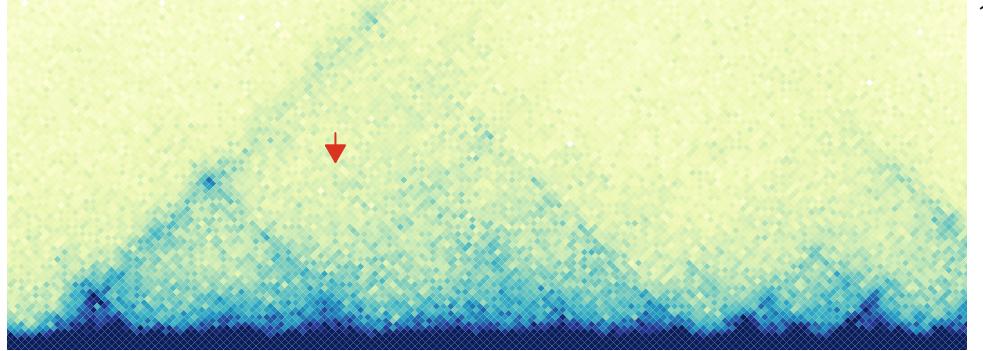
chr10

~74.8 Mb

WT



FS

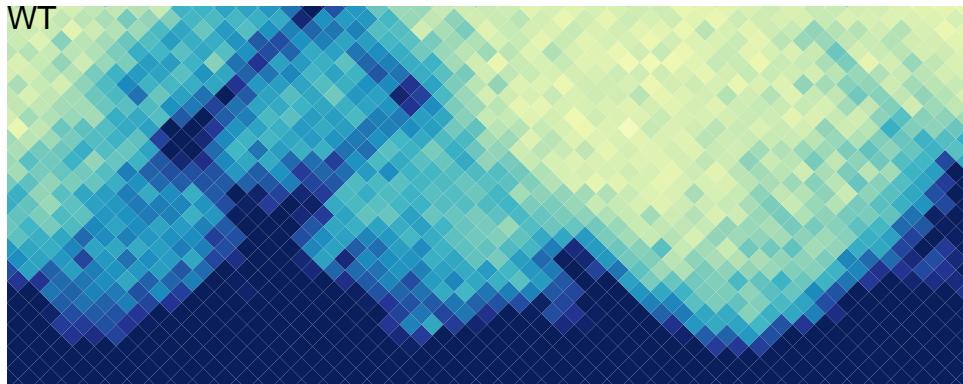


~62.5 Mb

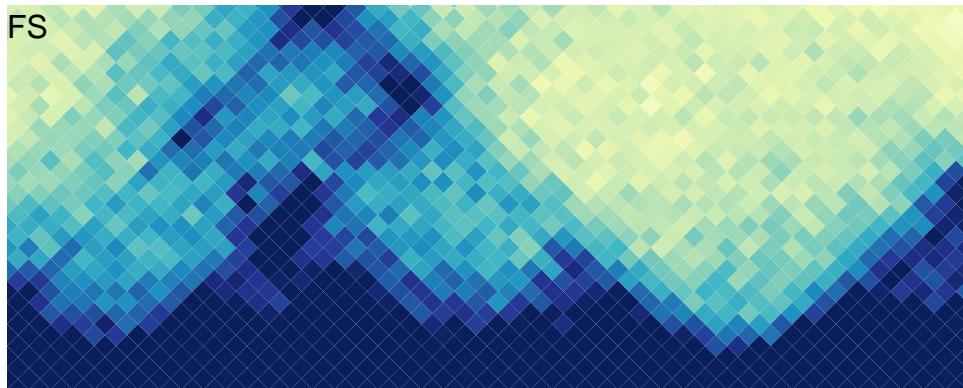
chr10

~63.9 Mb

WT



FS



CNNM2

RPEL1

INA

TAF5

PDCD11



~103 Mb

NT5C2

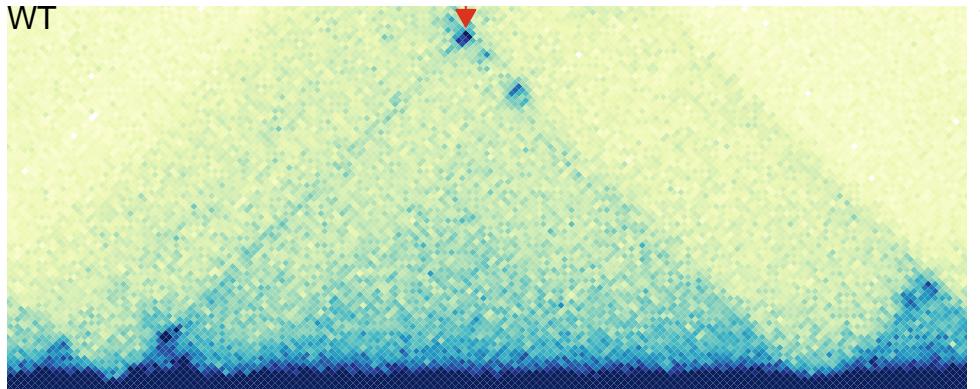
chr10

PCGF6

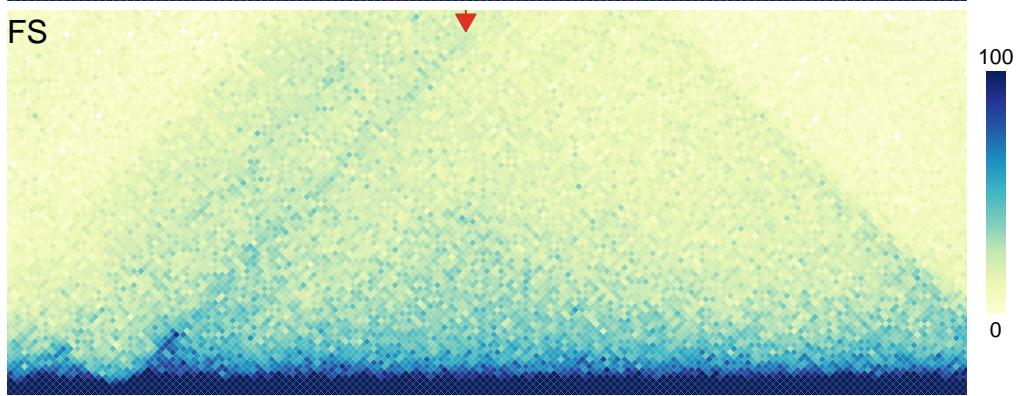
MIR1307

~103.4 Mb

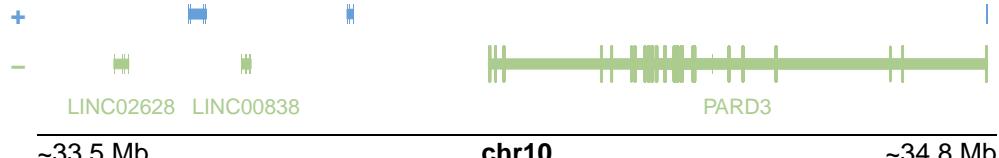
WT

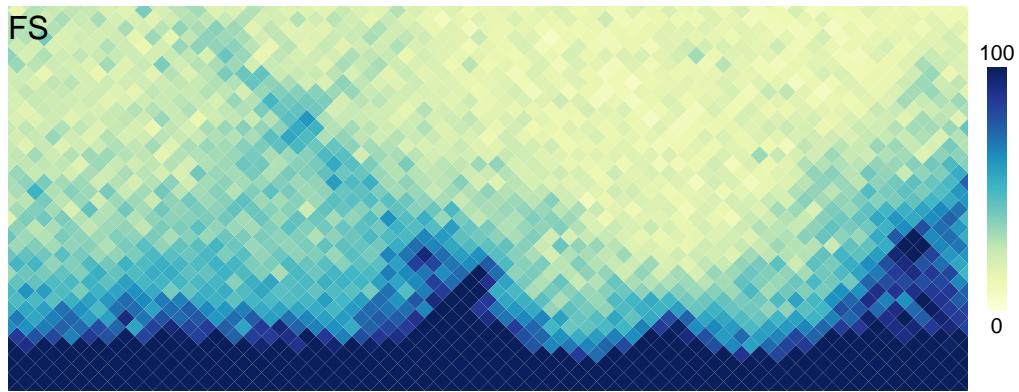
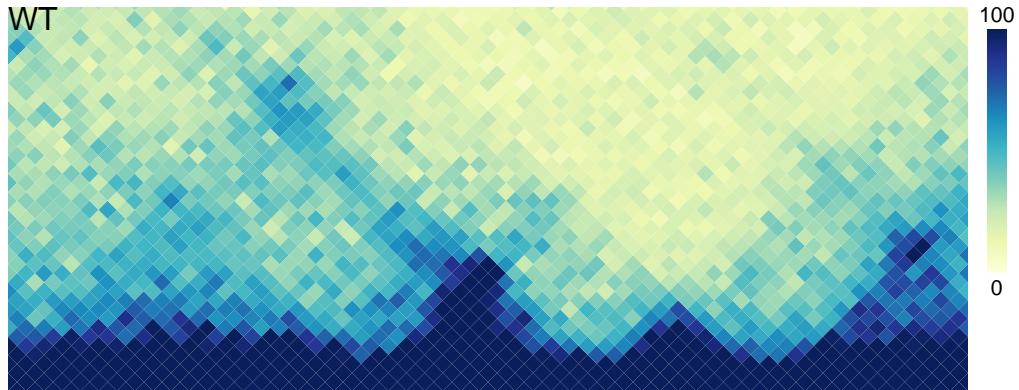


FS



LOC124902408 LINC02629





LOC105376390

+

-

+

-

SFMBT2

LINC02642

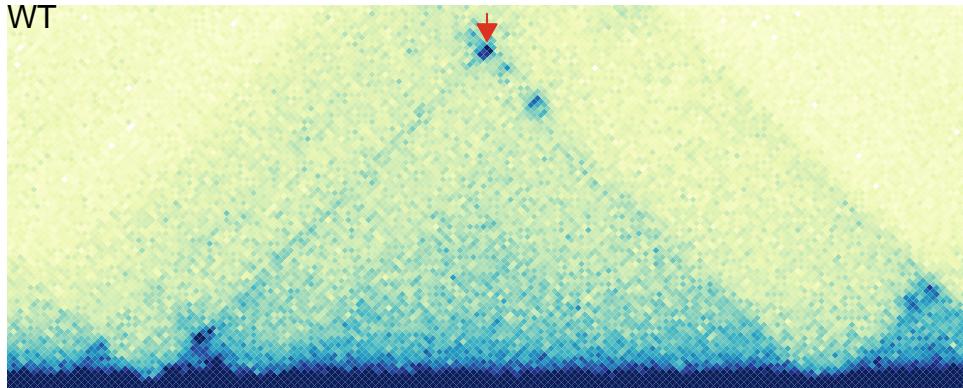
ITIH5

~7.2 Mb

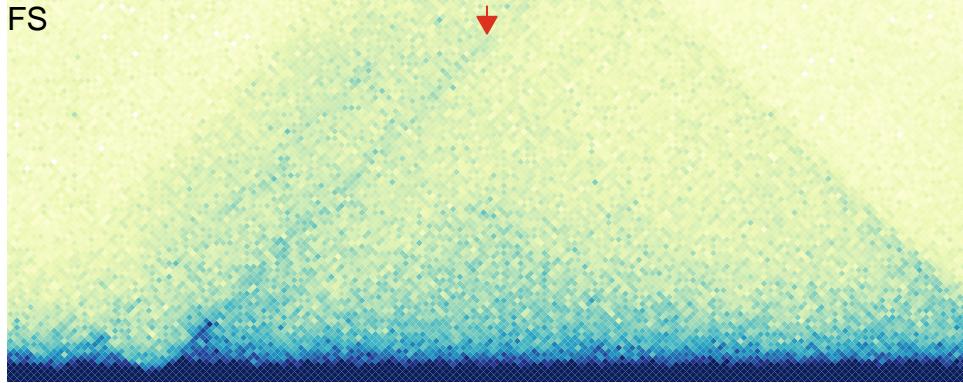
chr10

~7.7 Mb

WT



FS



LOC124902408 LINC02629

LINC02628 LINC00838

PARD3

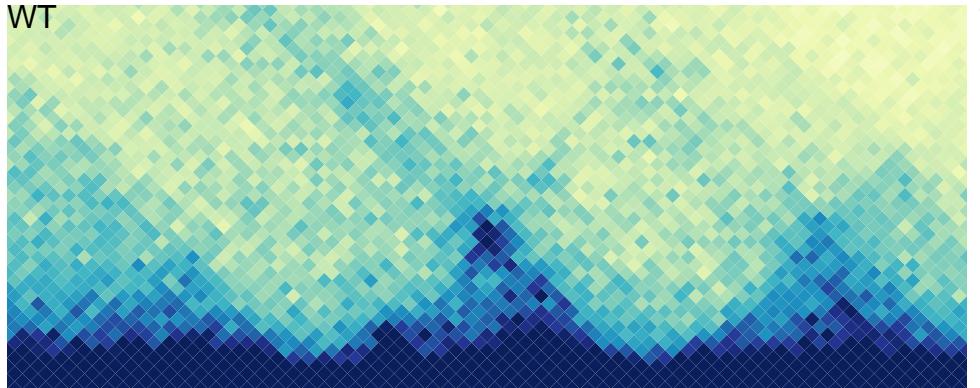
~33.4 Mb

chr10

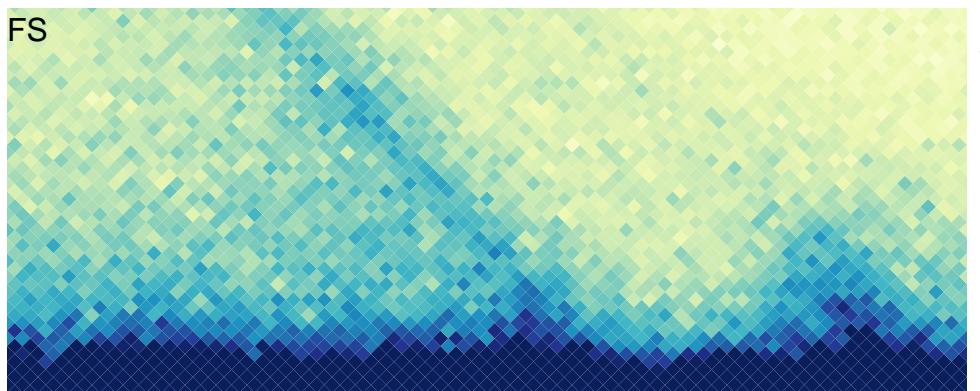
~34.8 Mb



WT



FS



BAG3



INPP5F



SEC23IP



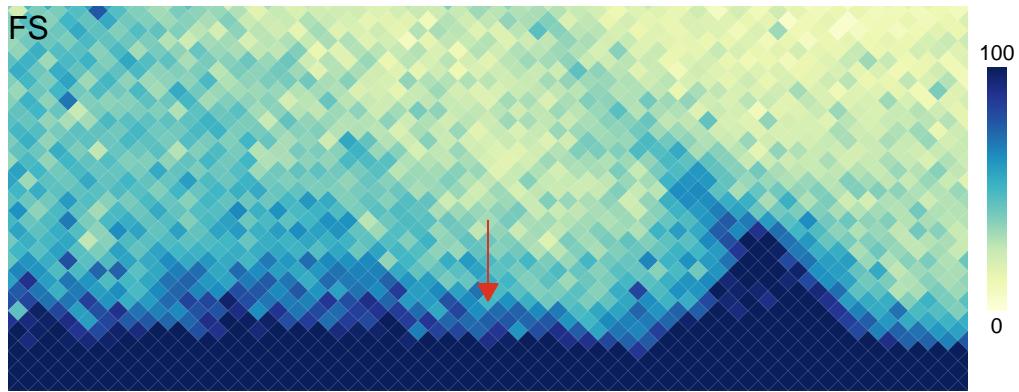
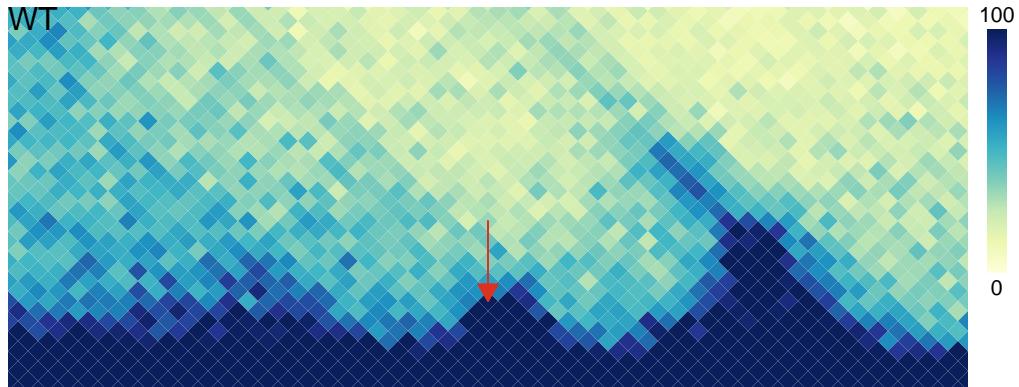
MCMBP



~119.6 Mb

chr10

~120.2 Mb



MPP7-DT

WAC

BAMBI

+



MPP7

~28.2 Mb

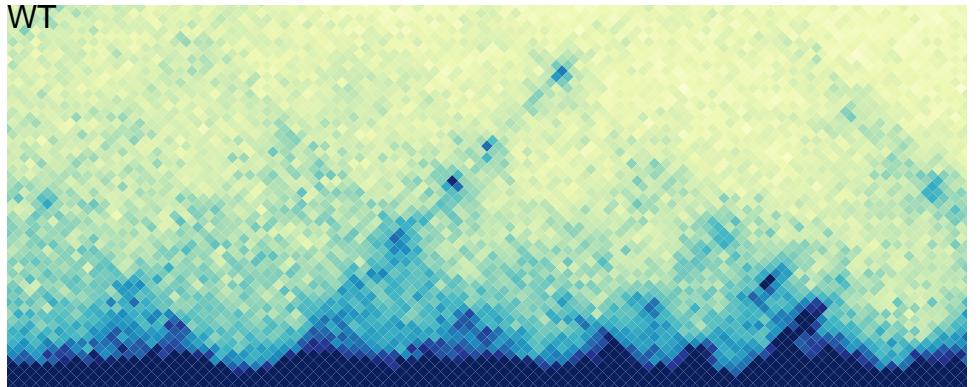
LINC02652 WAC-AS1

chr10

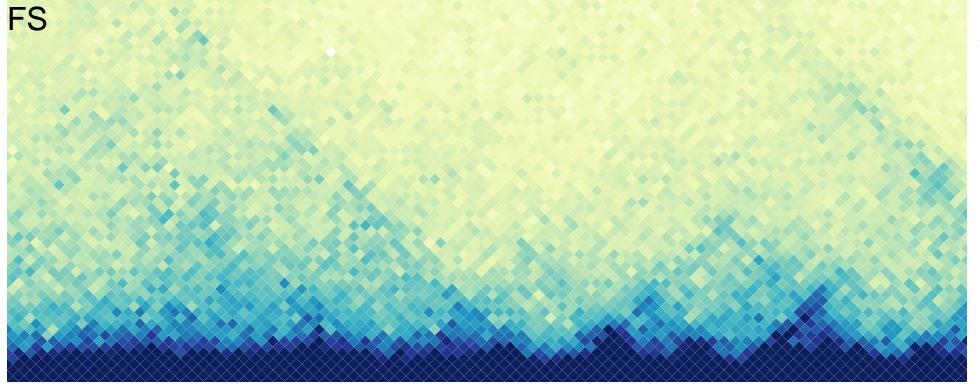


~28.7 Mb

WT



FS



NRBF2

JMJD1C-AS1

REEP3

LOC124902438

+



-



LOC105378328

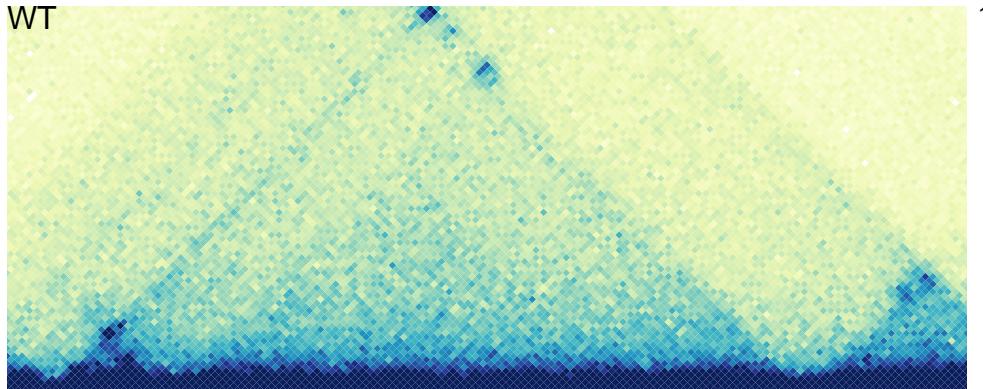
JMJD1C

~63 Mb

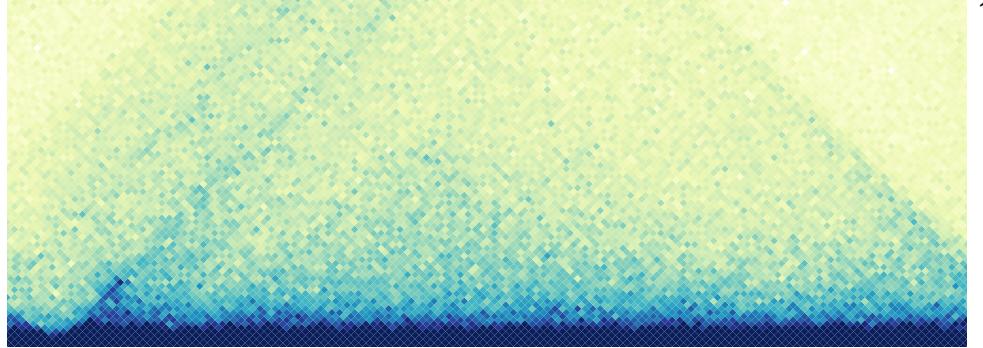
chr10

~63.9 Mb

WT



FS



LOC124902408

LINC02629

+

-

LINC00838

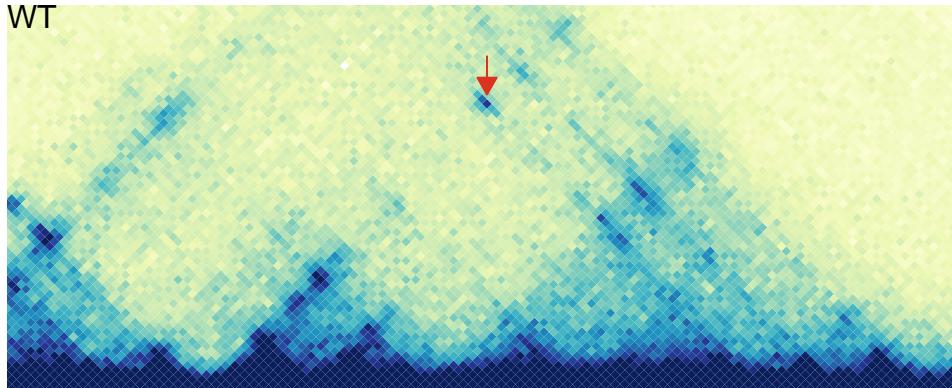
PARD3

~33.6 Mb

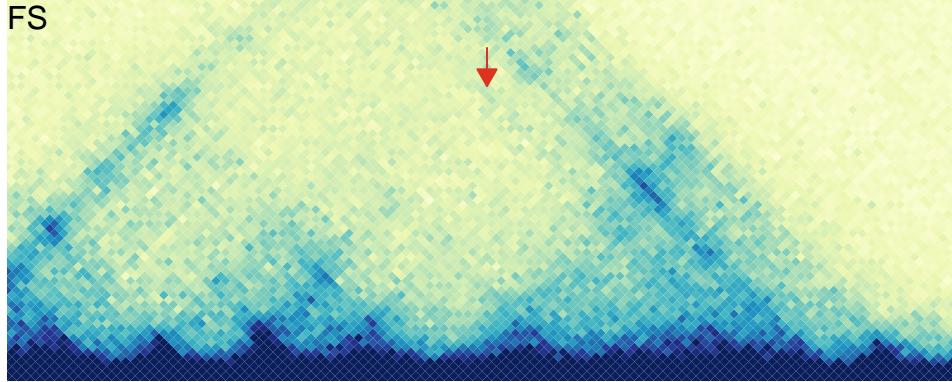
chr10

~34.8 Mb

WT



FS



22.4 Mb

chr10

~23.4 Mb

ARMC3 MSRB2 PTF1A



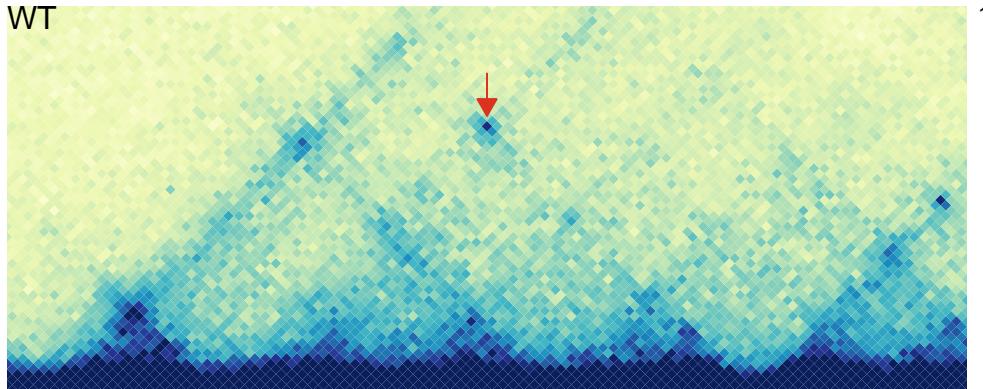
LOC107984215



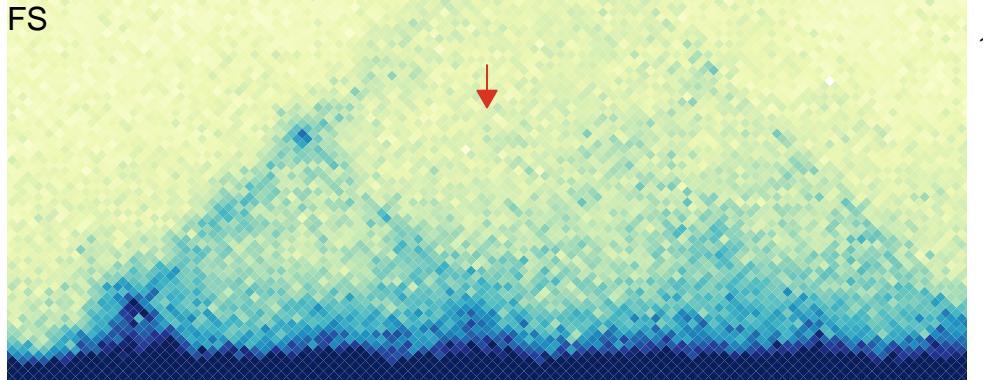
C10orf67



WT



FS



ADO

EGR2

NRBF2

LOC105378328

JMJD1C



-



+

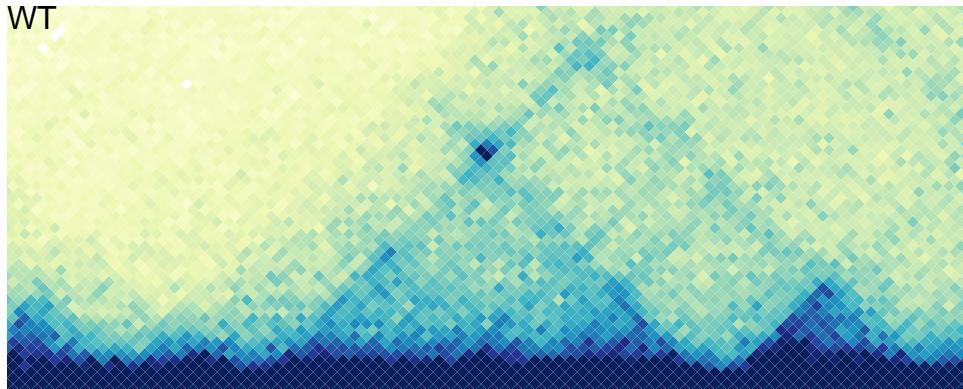


~62.5 Mb

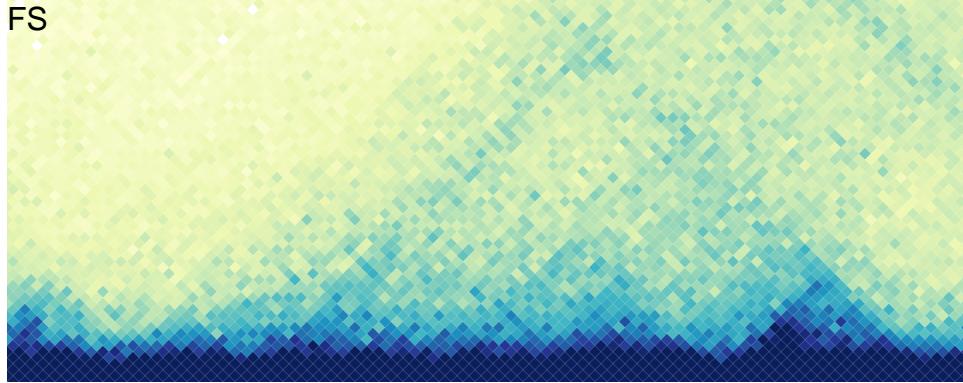
chr10

~63.4 Mb

WT



FS



TDRD1 VWA2

FHIP2A

+



-

MIR2110

AFAP1L2

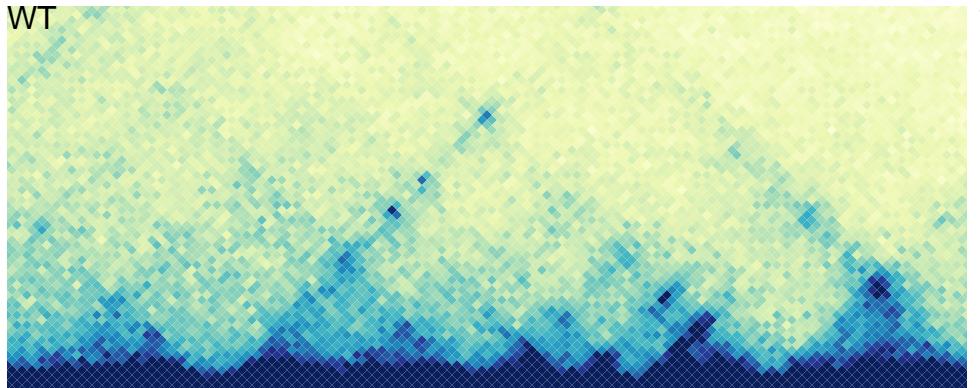
ABLIM1

~114.1 Mb

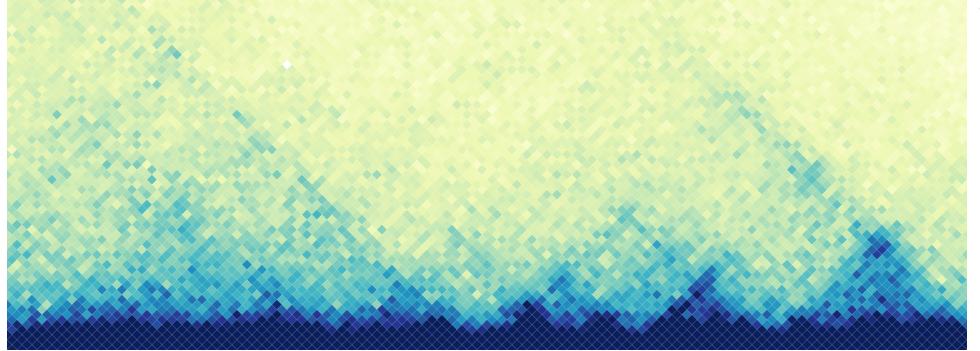
chr10

~114.9 Mb

WT



FS



NRBF2

JMJD1C-AS1 REEP3

LOC124902438

+



-

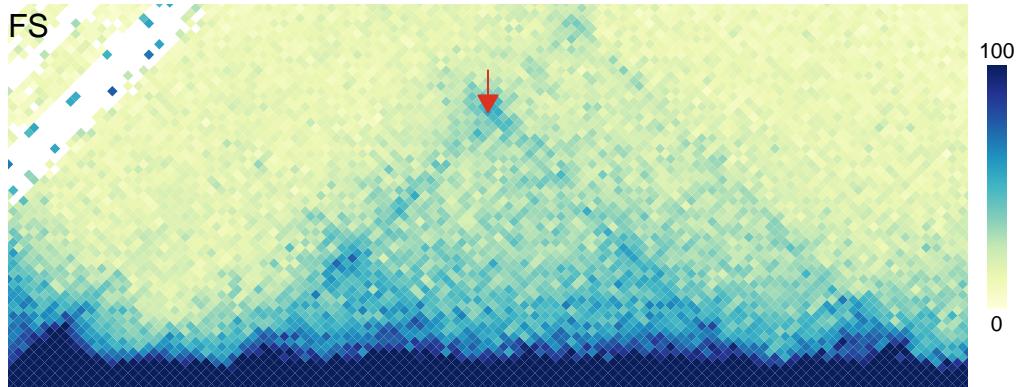
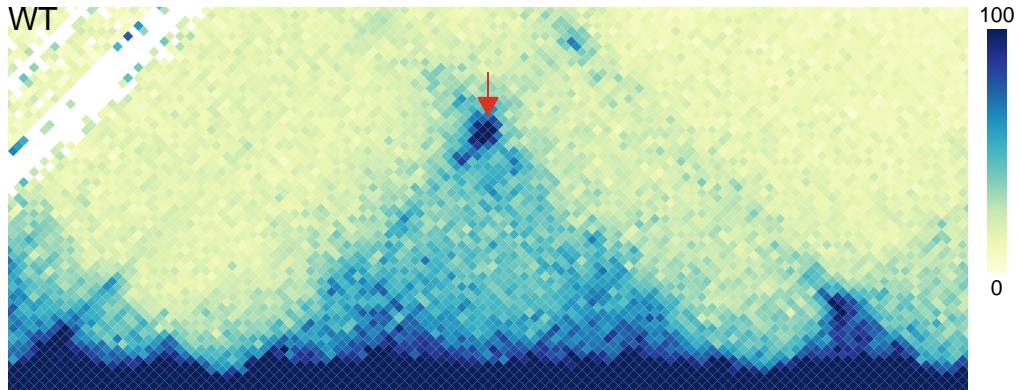
LOC105378328

JMJD1C

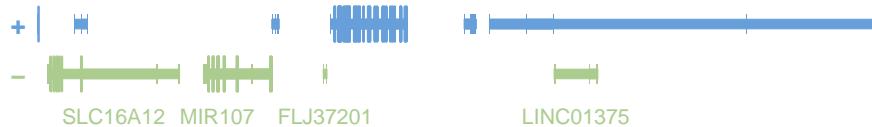
~63 Mb

chr10

~64 Mb



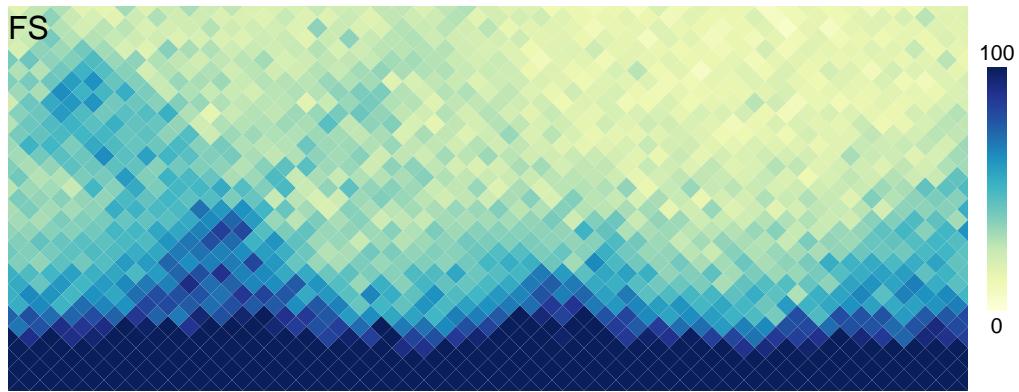
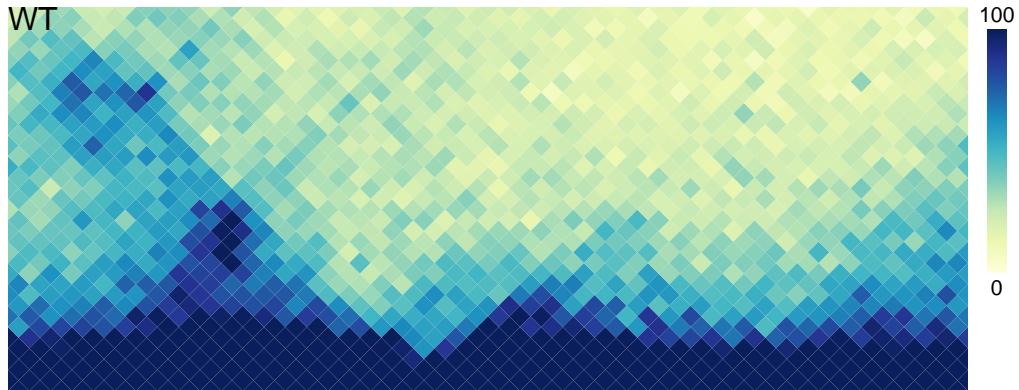
KIF20B LINC00865 LINC01374



~89.4 Mb

chr10

~90.3 Mb



VTI1A

LOC103344931 LINC02935

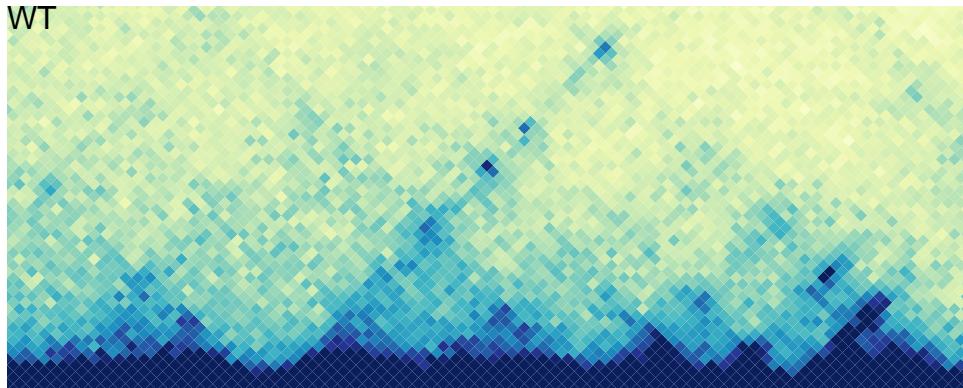


~112.5 Mb

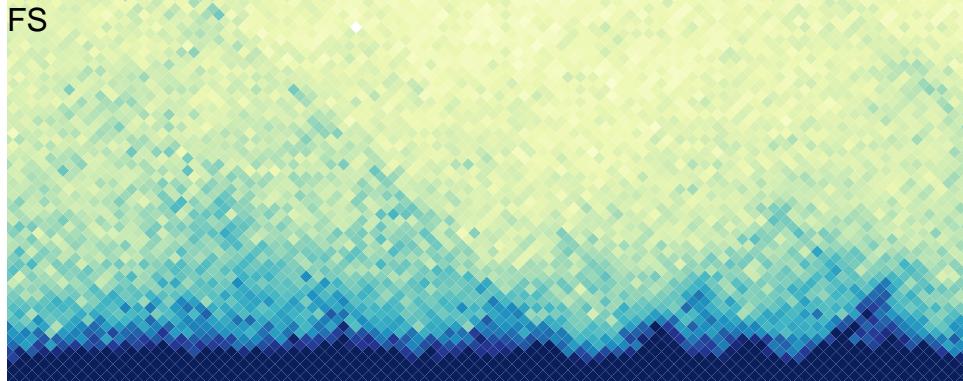
chr10

~112.9 Mb

WT



FS



NRBF2

JMJD1C-AS1

REEP3

LOC124902438

+



-



LOC105378328

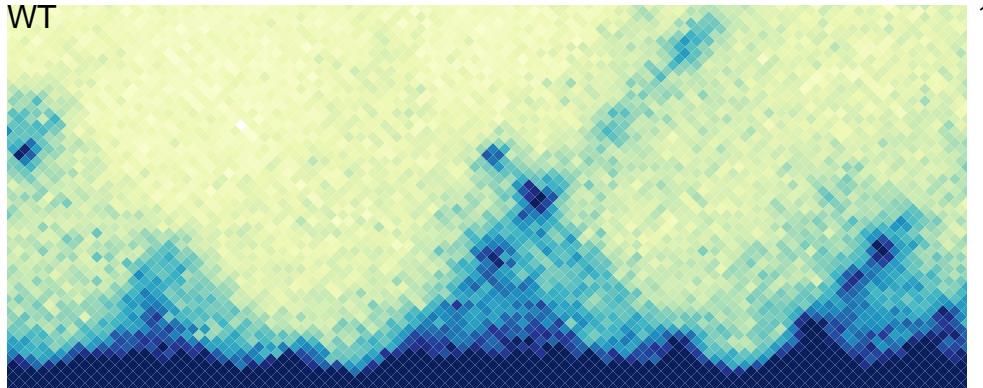
JMJD1C

~63 Mb

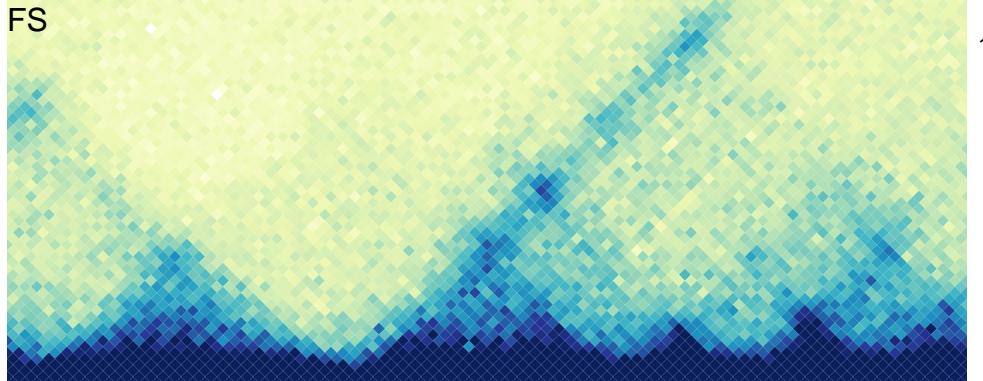
chr10

63.8 Mb

WT



FS



BMI1 SPAG6



EBLN1

LOC124902392

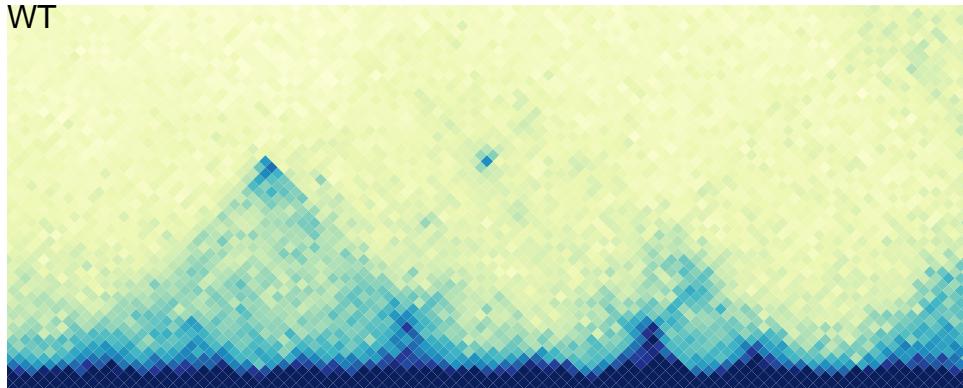
PIP4K2A

22.0 Mb

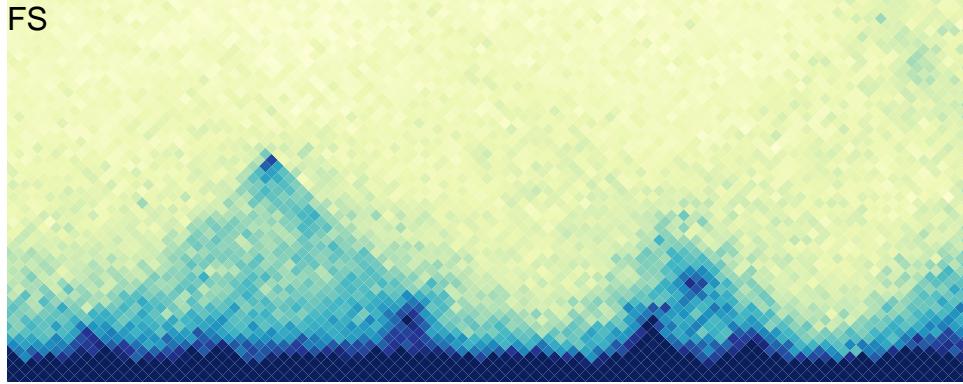
chr10

22.8 Mb

WT



FS



PRRG4

QSER1

DEPDC7

CSTF3-DT

HIPK3

KIAA1549L



KIAA1549L

+

-

CCDC73

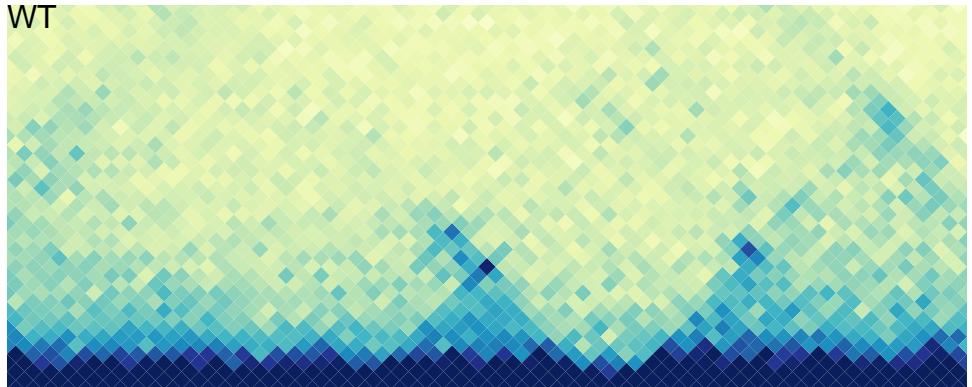
CSTF3

~32.7 Mb

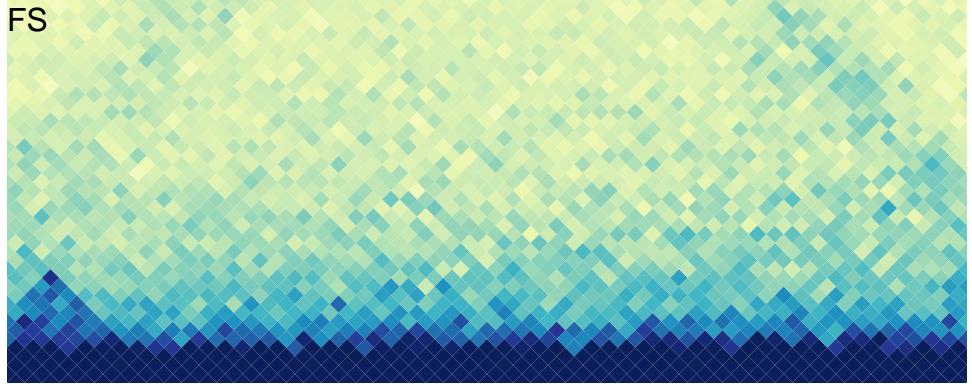
chr11

~33.5 Mb

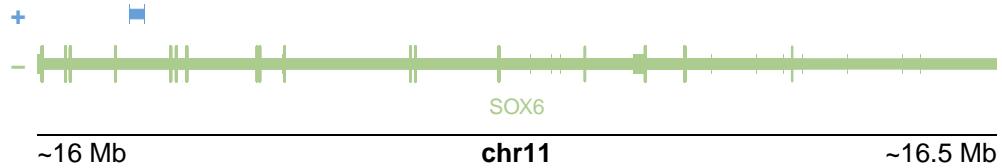
WT



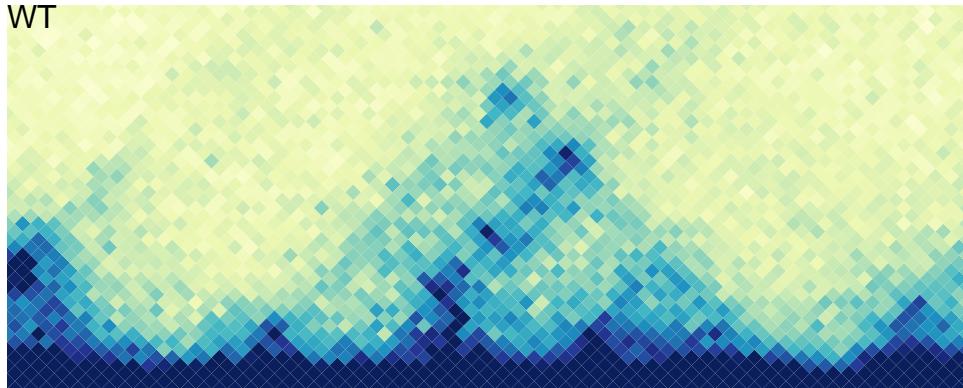
FS



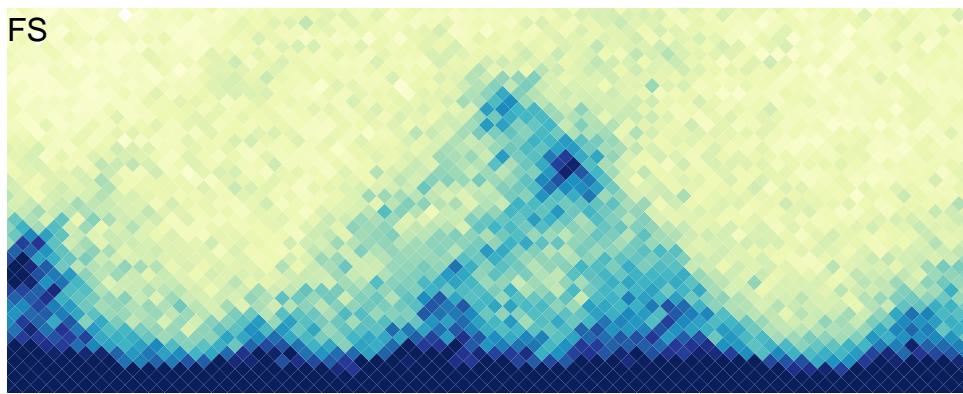
LOC105376572



WT



FS



NTS

+

-

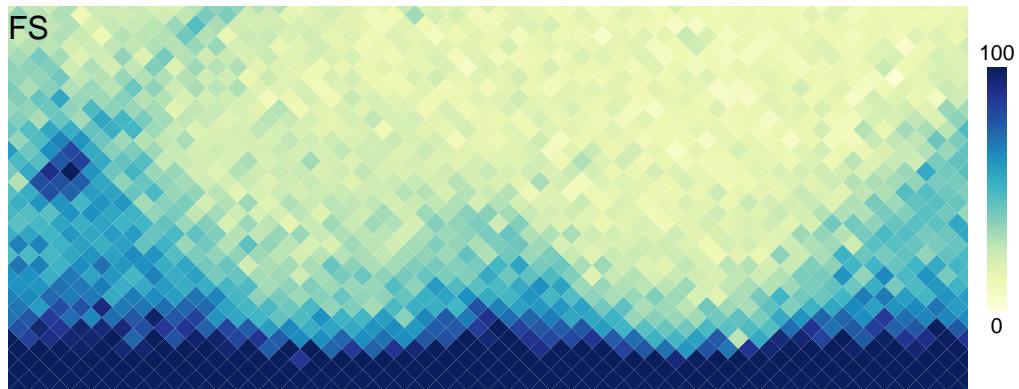
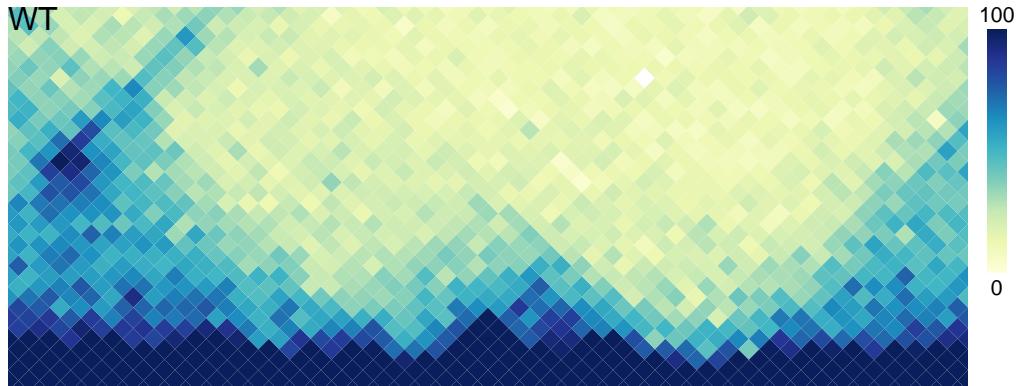


RASSF9

~85.3 Mb

chr12

~86 Mb



MSRB3

LOC105369808 LOC105369806



MSRB3-AS1

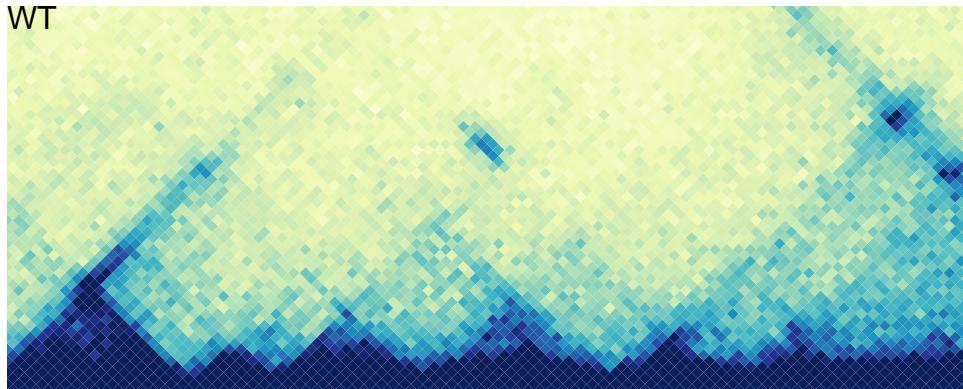
RPSAP52

~65.4 Mb

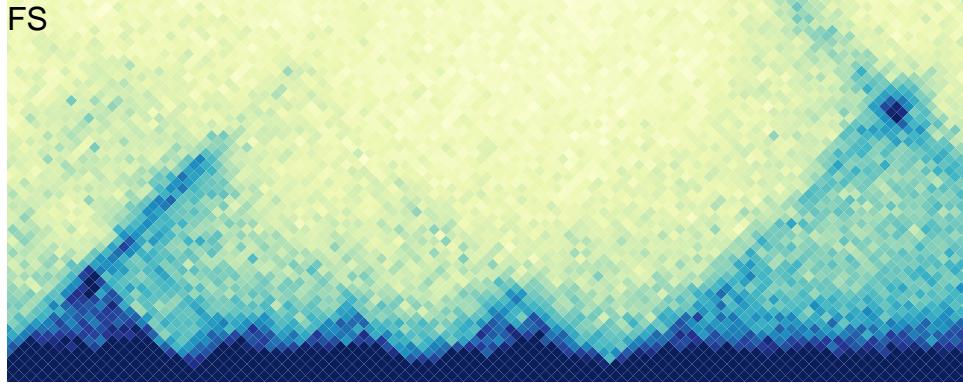
chr12

~65.8 Mb

WT



FS



WNK1

ERC1

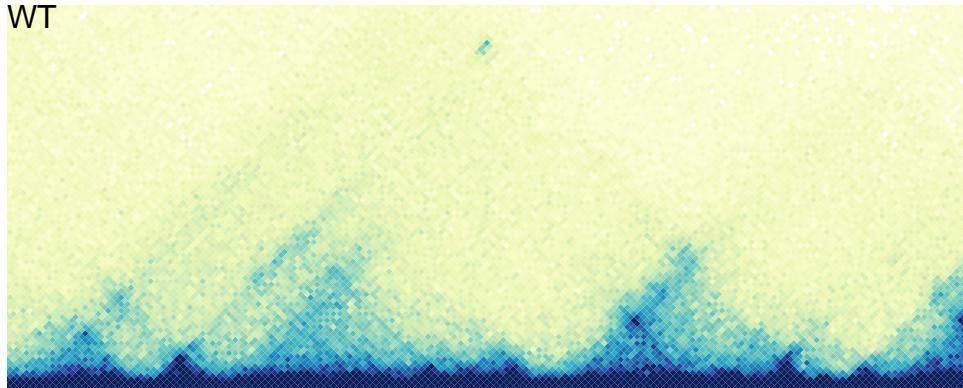


0.7 Mb

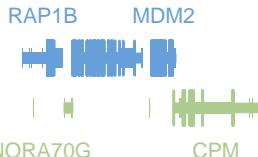
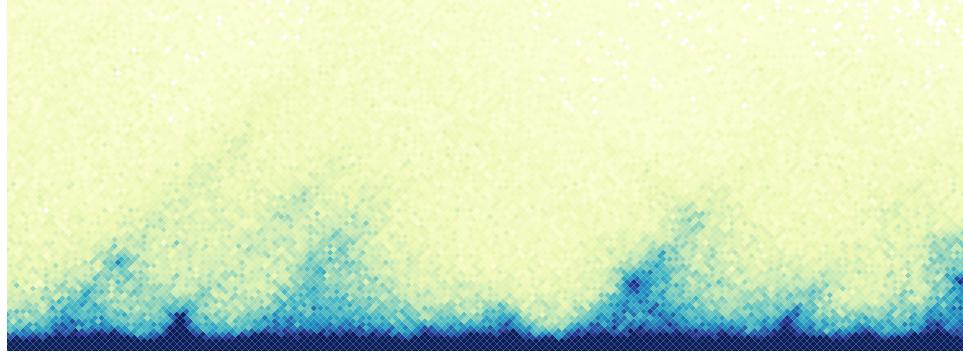
chr12

~1.5 Mb

WT



FS

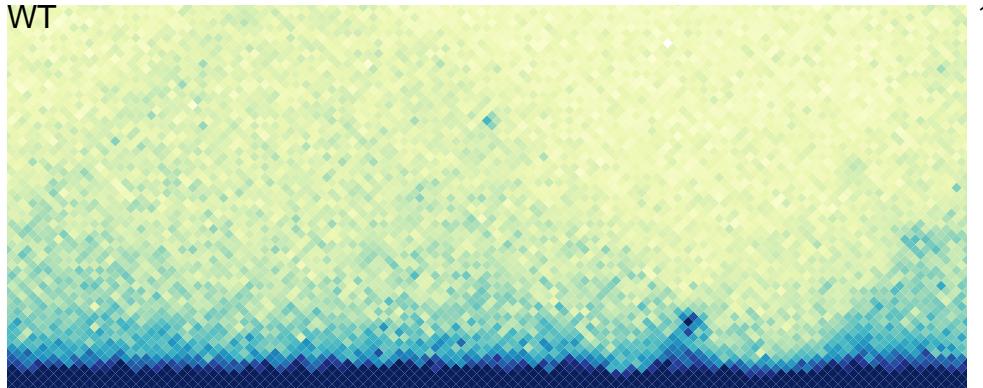


68.4 Mb

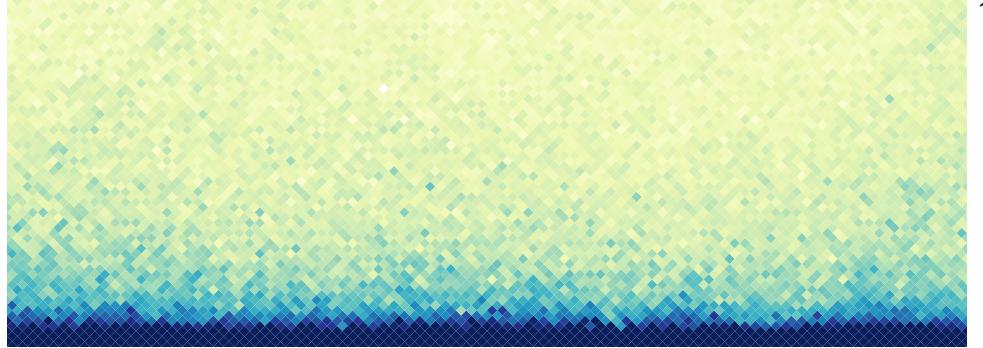
chr12

~69.9 Mb

WT



FS



MIR920



SOX5

+

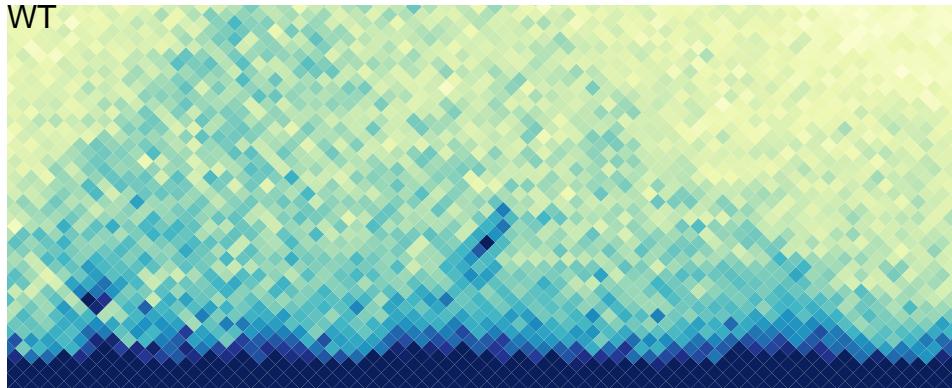
-

23.5 Mb

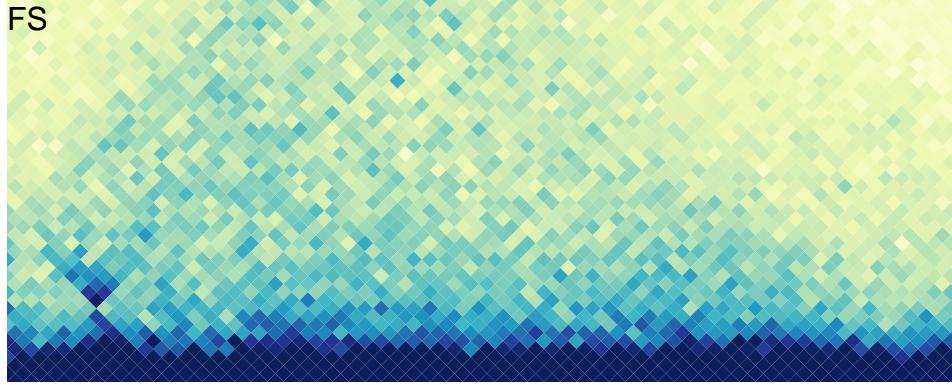
chr12

~24.4 Mb

WT



FS



LOC100130268

GLIPR1L2

GLIPR1

LOC107984533

+

-

—

CAPS2

KRR1

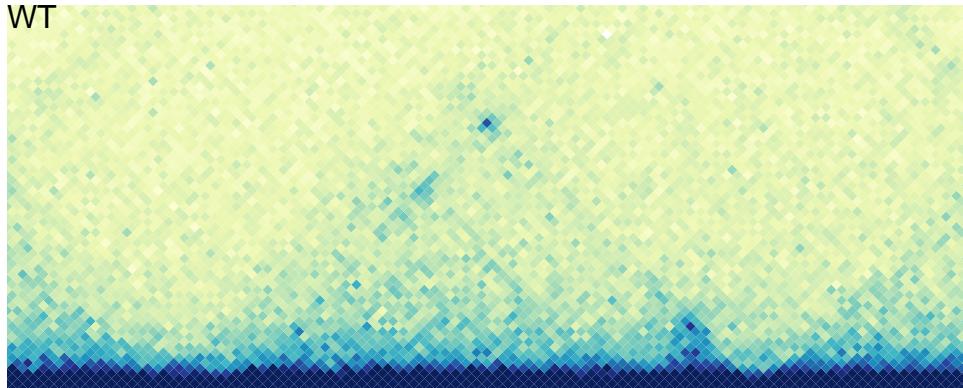
LOC105369844

~75.2 Mb

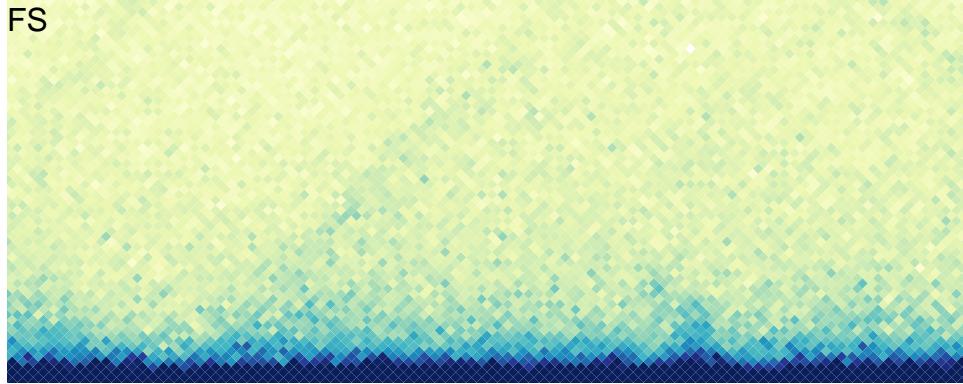
chr12

~75.8 Mb

WT



FS



LOC124903233

MIR5007



+

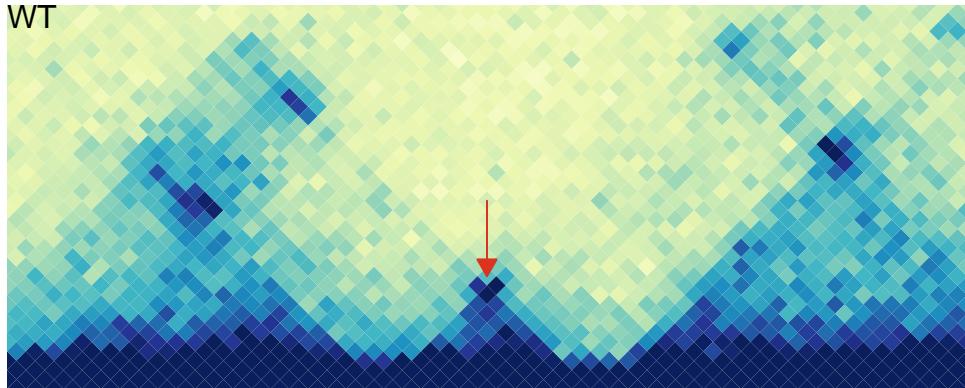
-

54.6 Mb

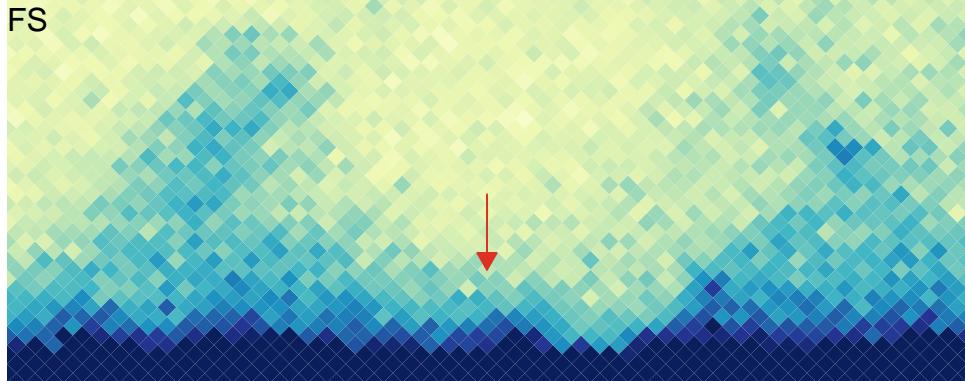
chr13

~55.5 Mb

WT



FS



PCCA

NALCN-AS1

+

1

PCCG-AS1

GGACT

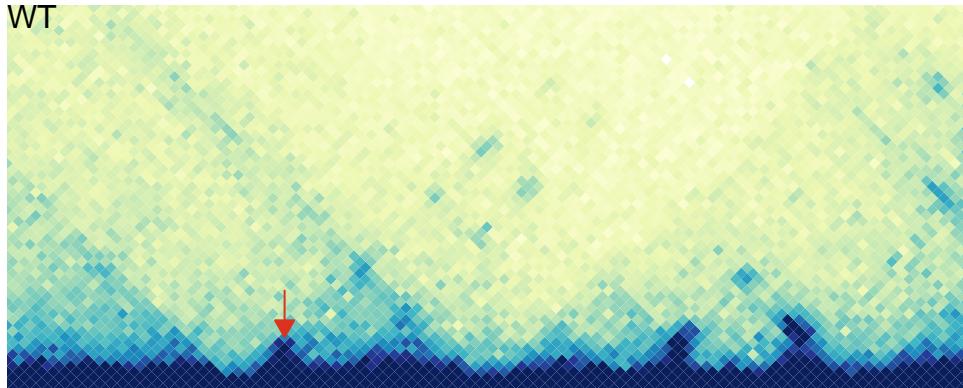
TMTG4

~100.3 Mb

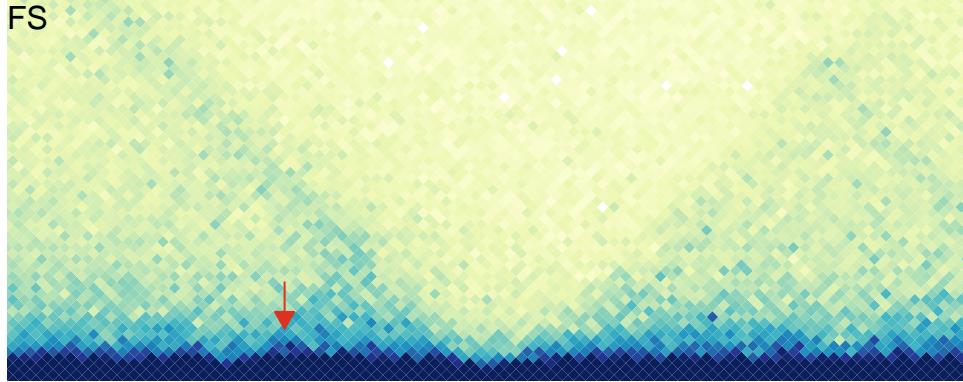
chr13

~100.8 Mb

WT



FS



NBEA

LINC00445

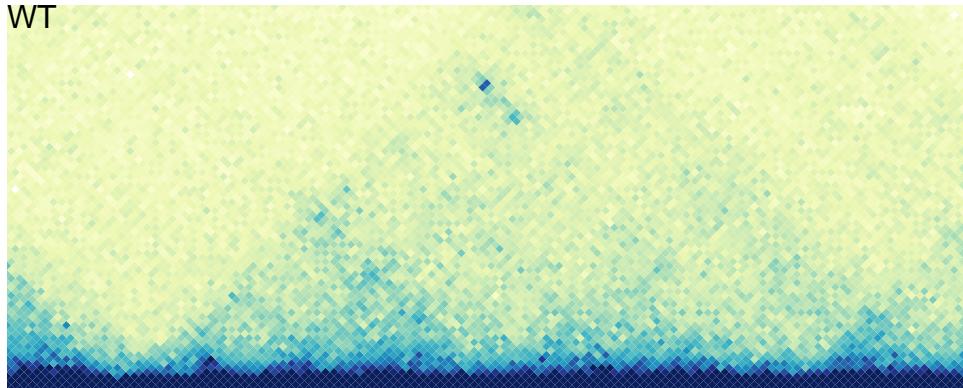


~35.3 Mb

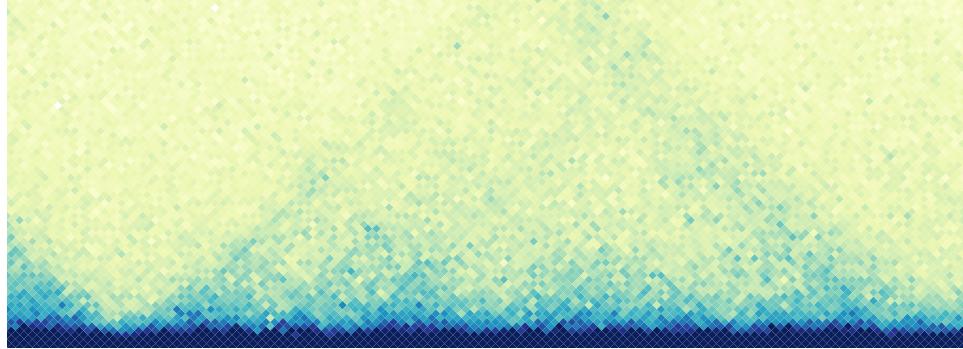
chr13

~36.1 Mb

WT



FS



UFM1

LINC00366

FREM2

NHLRC3

LINC00571

LINC00437

FREM2-AS1

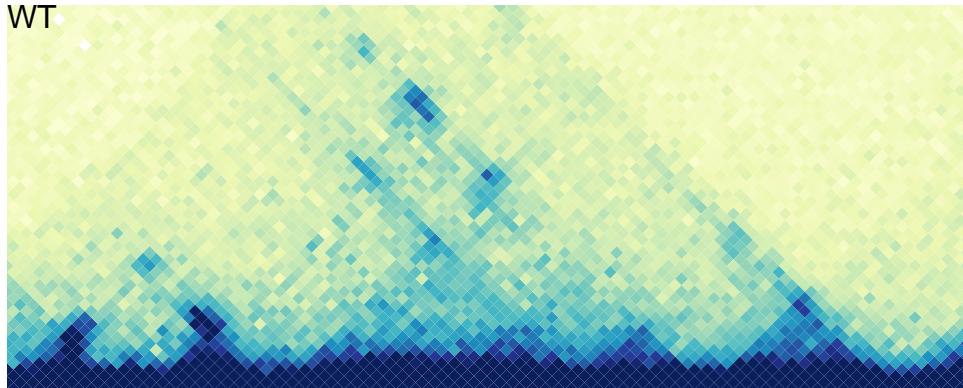
STOML3

~38 Mb

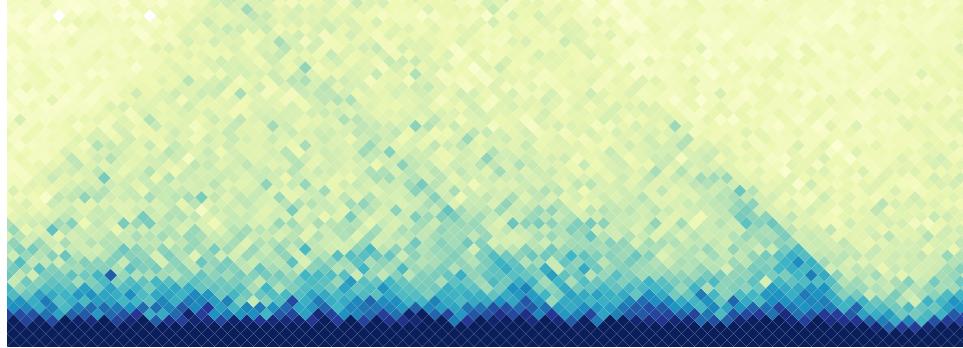
chr13

~39.2 Mb

WT



FS



SPART-AS1 CCNA1

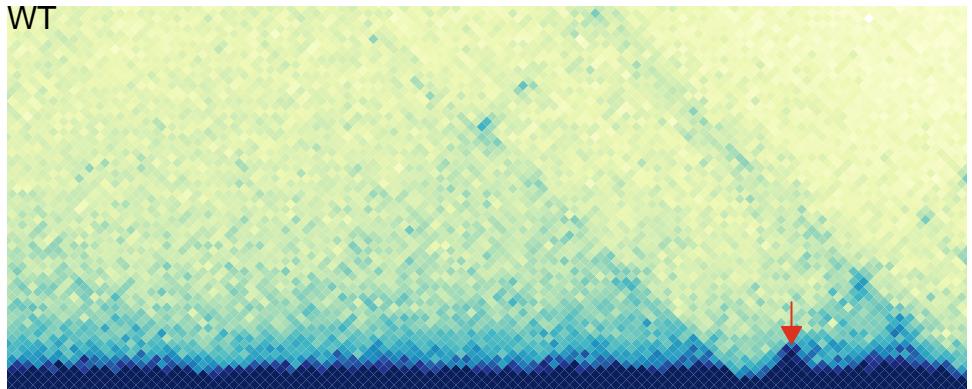


chr13

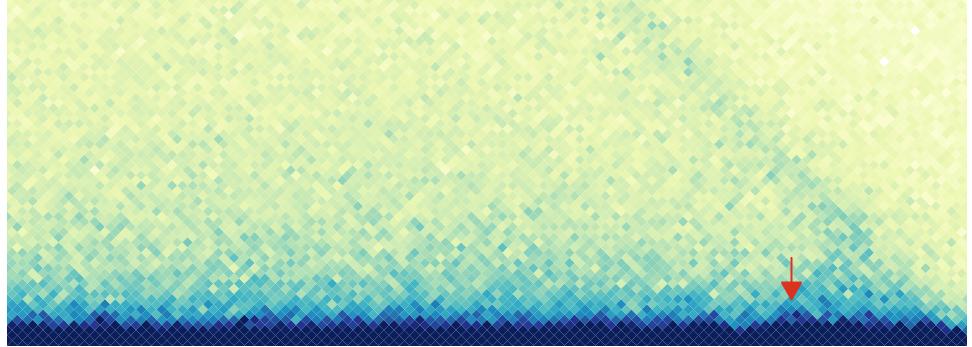
~35.9 Mb

~36.6 Mb

WT



FS



NBEA

MAB21L1

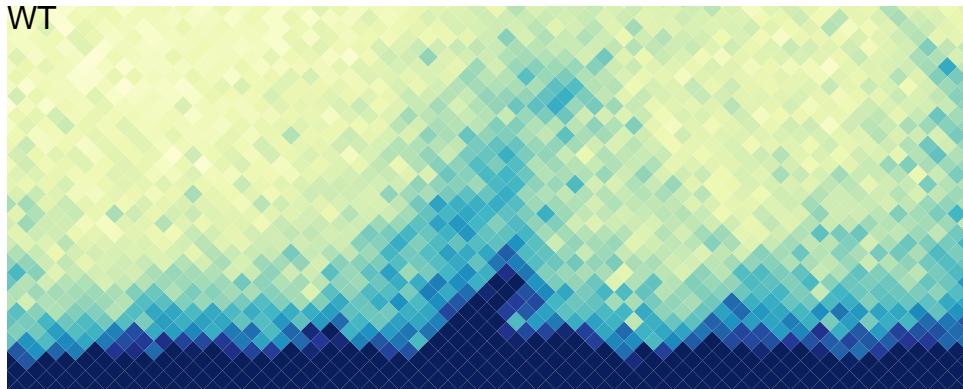


34.8 Mb

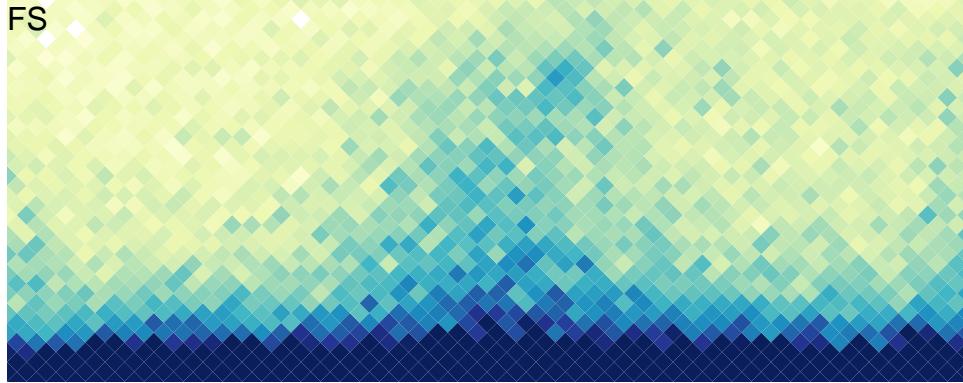
chr13

~35.7 Mb

WT



FS



WASF3



~26.6 Mb

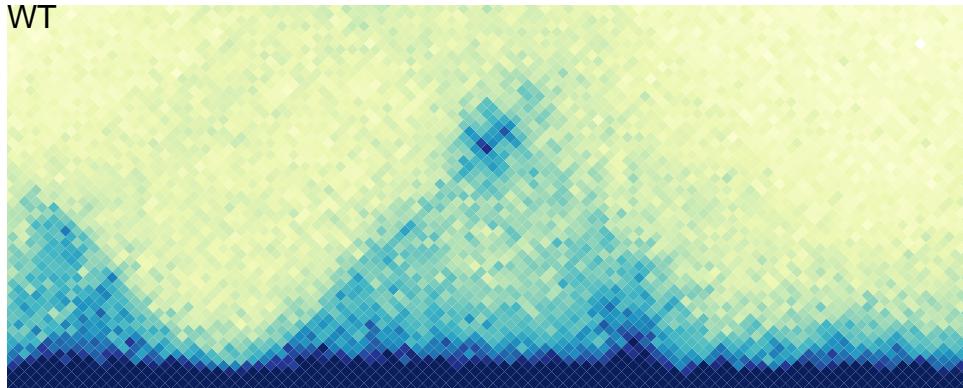
chr13

~27.1 Mb

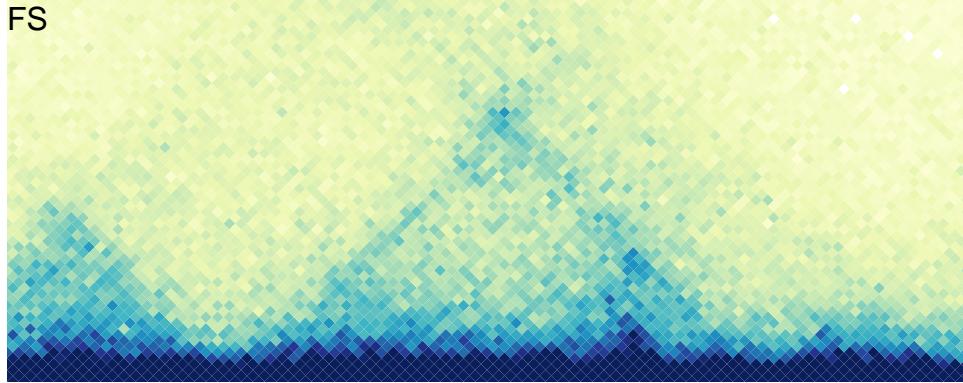


USP12

WT



FS



DGKH

AKAP11

LINC02341

TNFSF11

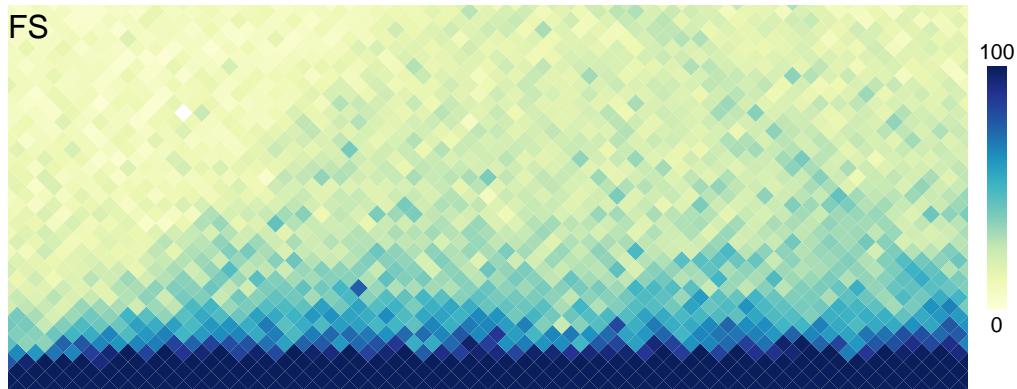
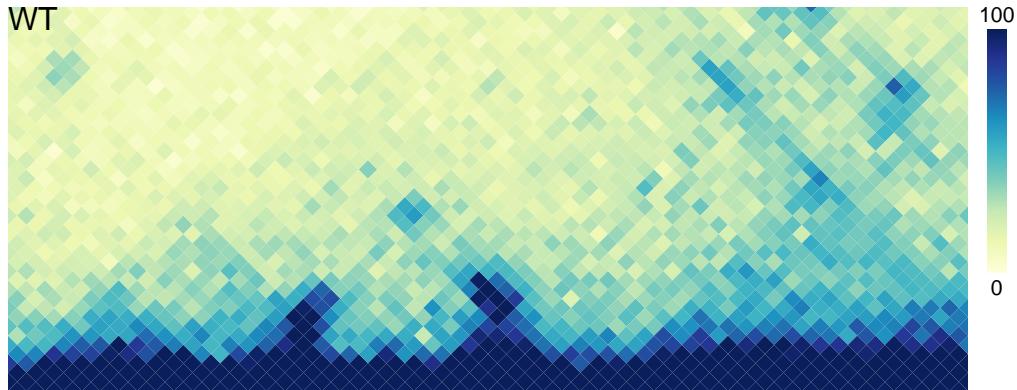
FAM216B



~42 Mb

chr13

~42.9 Mb



+

-

~35.7 Mb

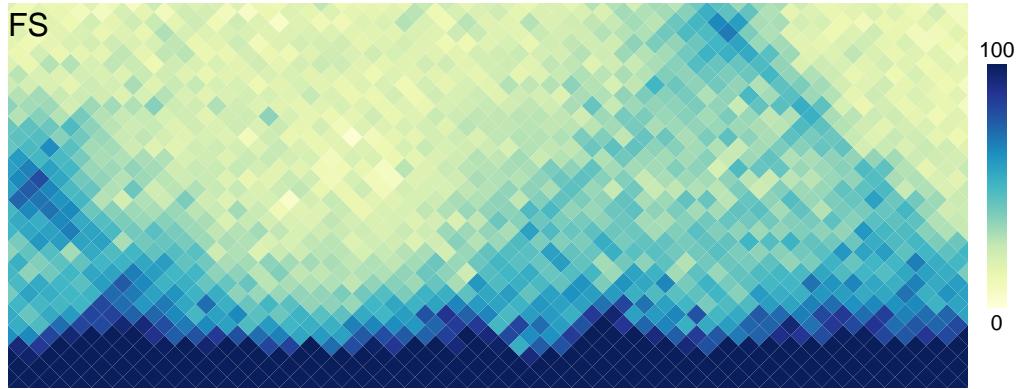
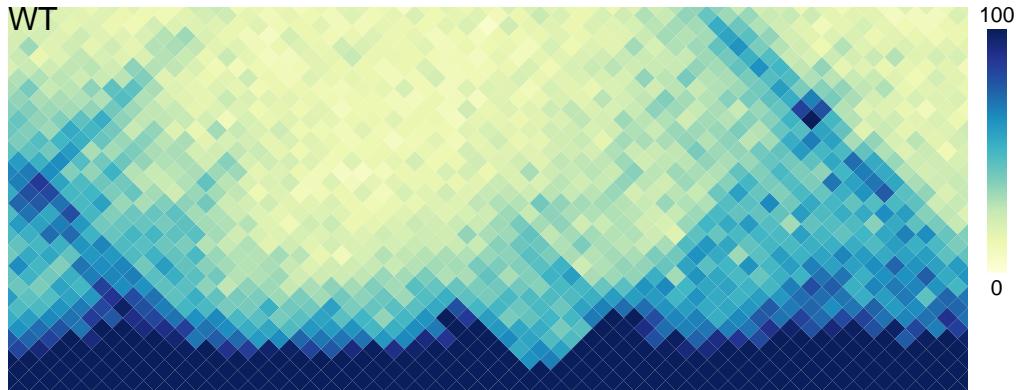
DCLK1

chr13

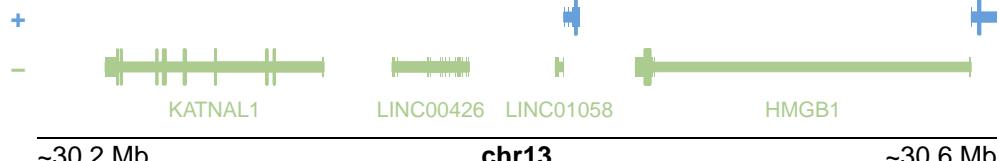
~36.3 Mb



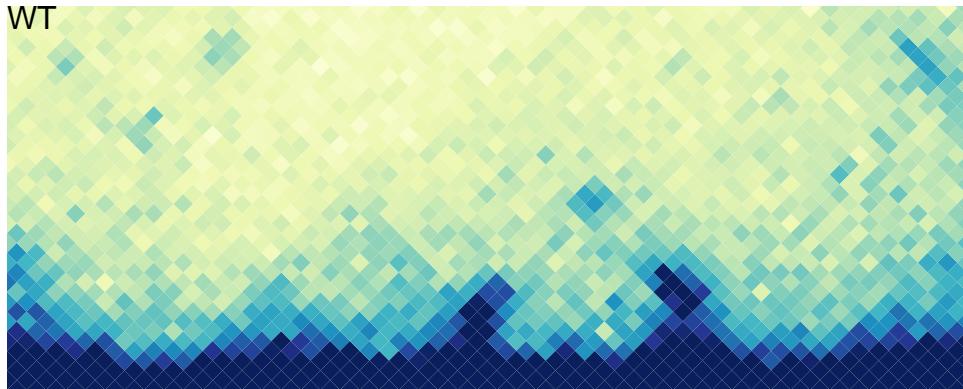
SOHLH2



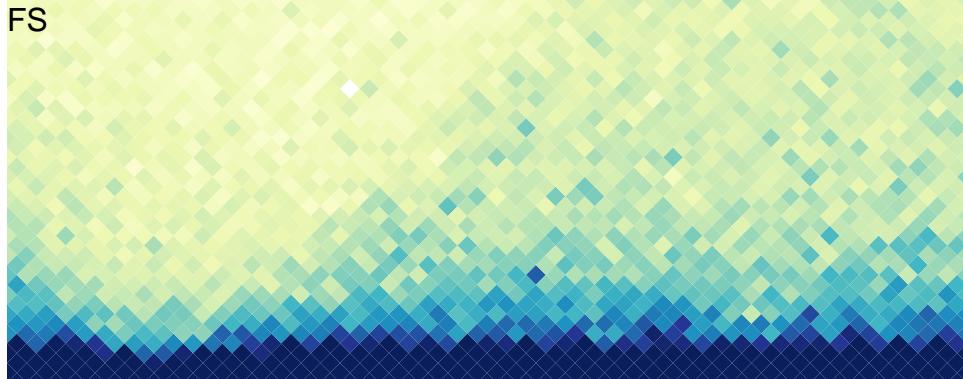
UBE2L5



WT



FS



LINC00445

+

-



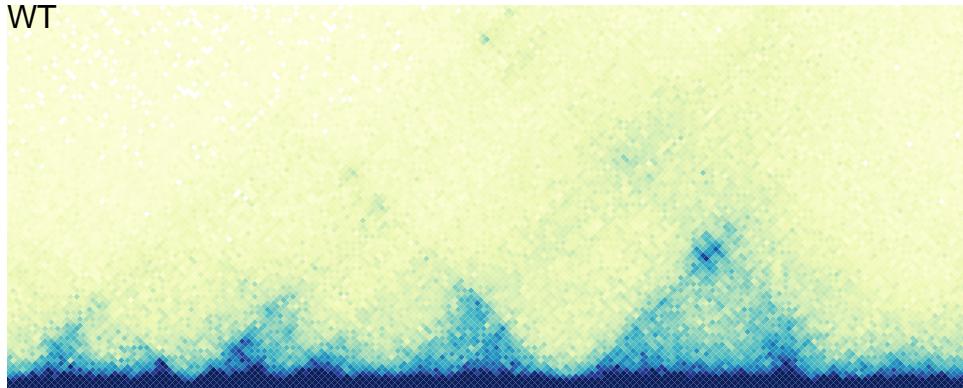
DCLK1

~35.7 Mb

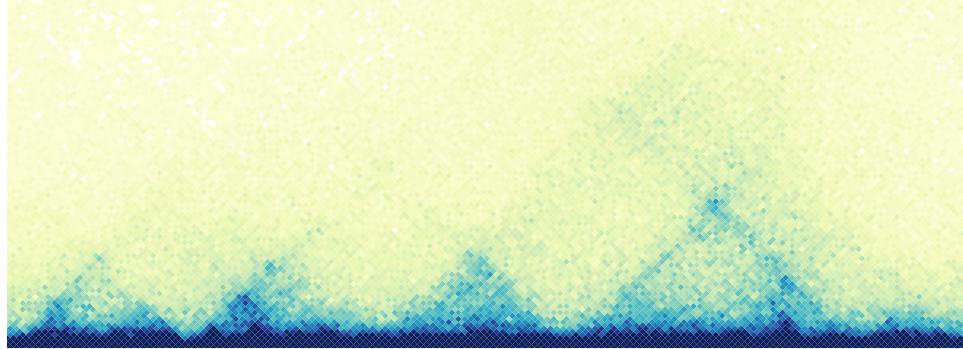
chr13

~36.1 Mb

WT



FS



RGCC

VWA8-AS1

DGKH

AKAP11

TNFSF11

FAM216B



MIR5006

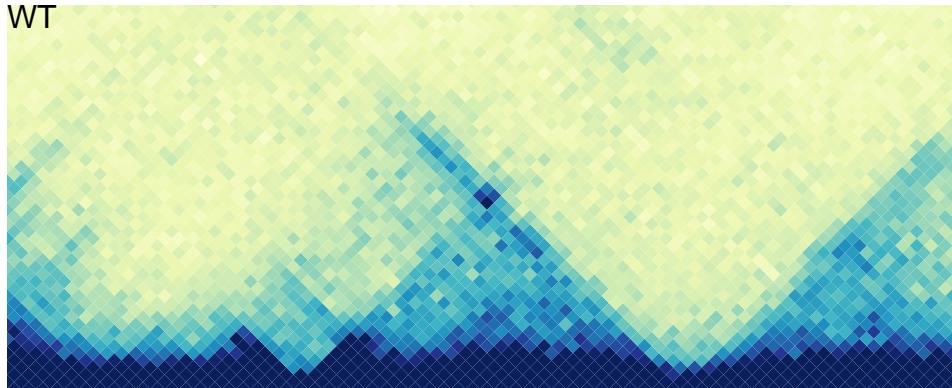
VWA8

~41.4 Mb

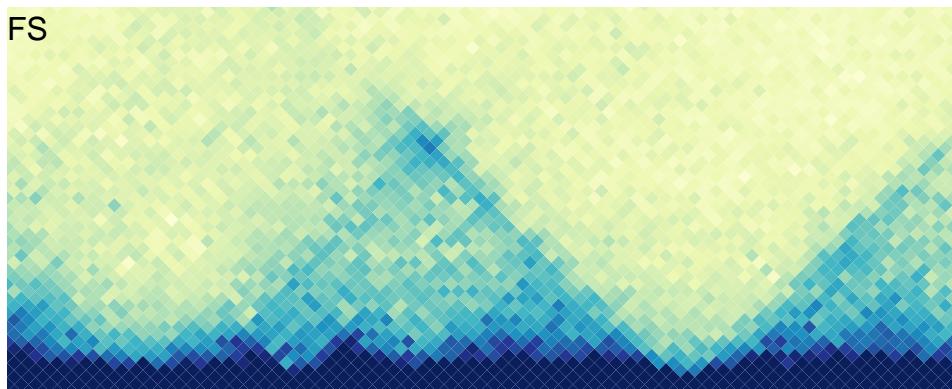
chr13

~42.9 Mb

WT



FS



UBE2L5

USPL1

ALOX5AP

+

-

KATNAL1

LINC00426

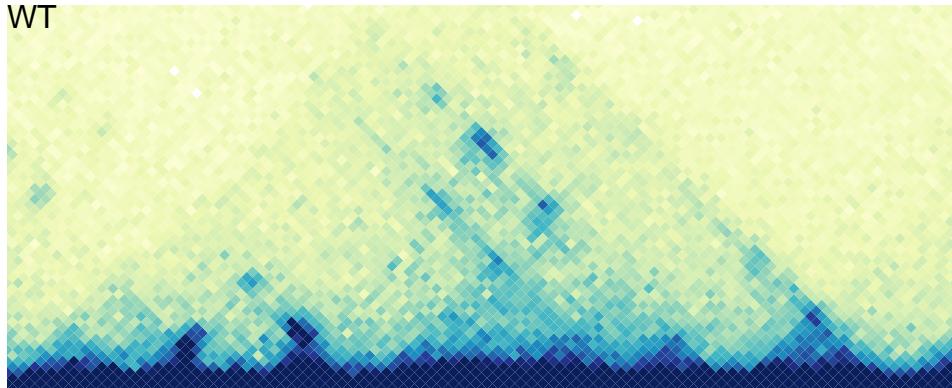
HMGB1

~30.2 Mb

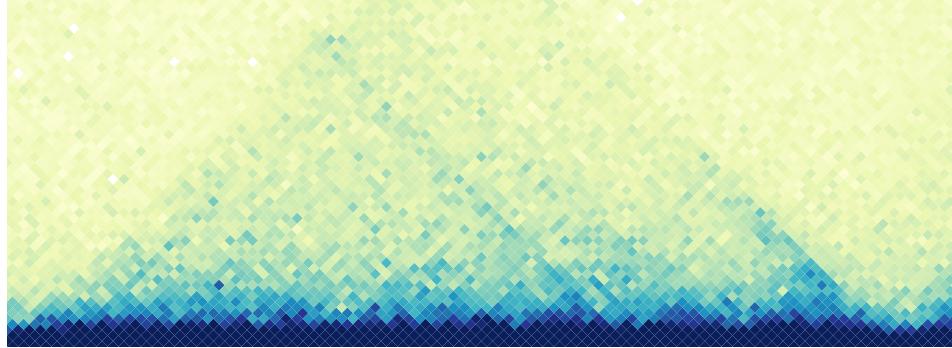
chr13

~30.9 Mb

WT



FS



CCNA1

+

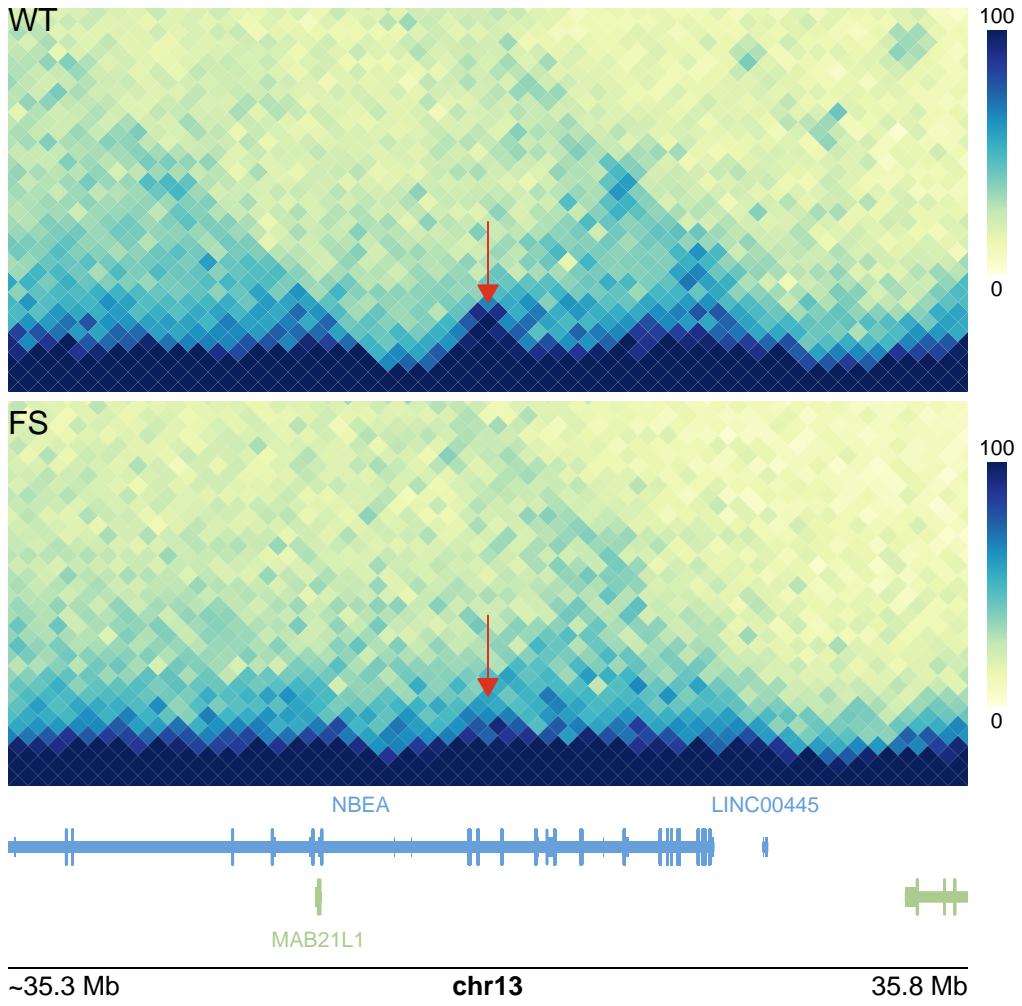
-



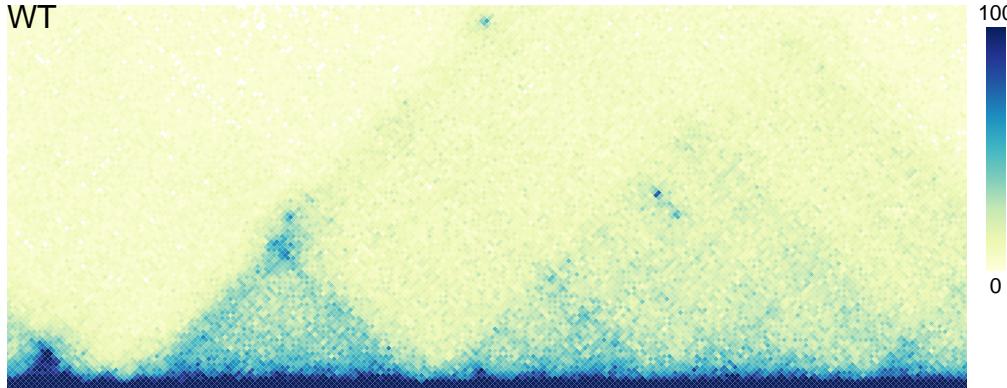
~35.7 Mb

chr13

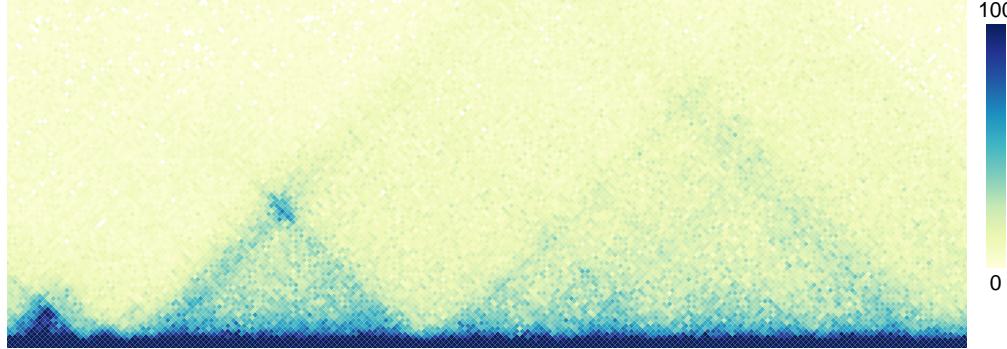
36.6 Mb



WT



FS



LINC00547

LINC02334

UFM1

LINC00366

FREM2

NHLRC3

+

H

+

H

+

H

+

H

+

H

-

I

I

I

I

I

I

I

POSTN TRPC4

LINC00571

LINC00437

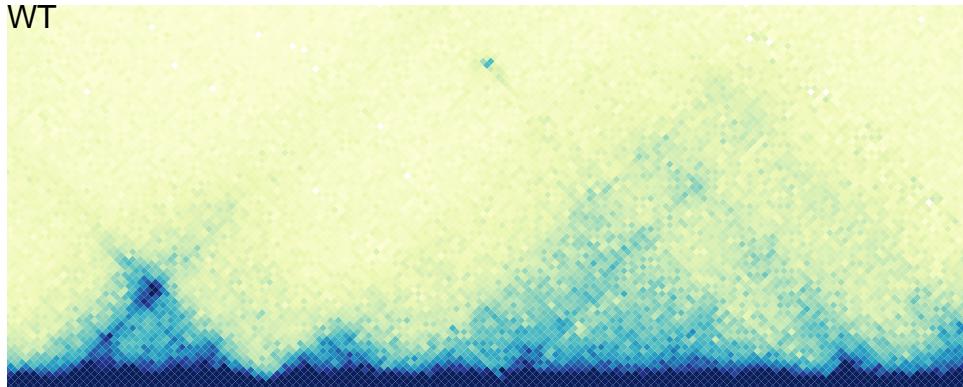
STOML3

~37.4 Mb

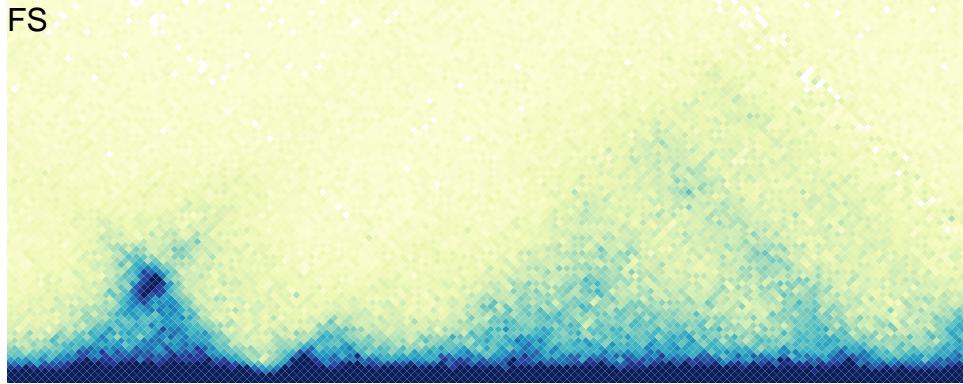
chr13

~39.2 Mb

WT



FS



CBY2

CPB2-AS1 LRRC63

LOC124903171 LRCH1

+

LINC01055 SIAH3

-

CPB2 LCP1

RUBCNL

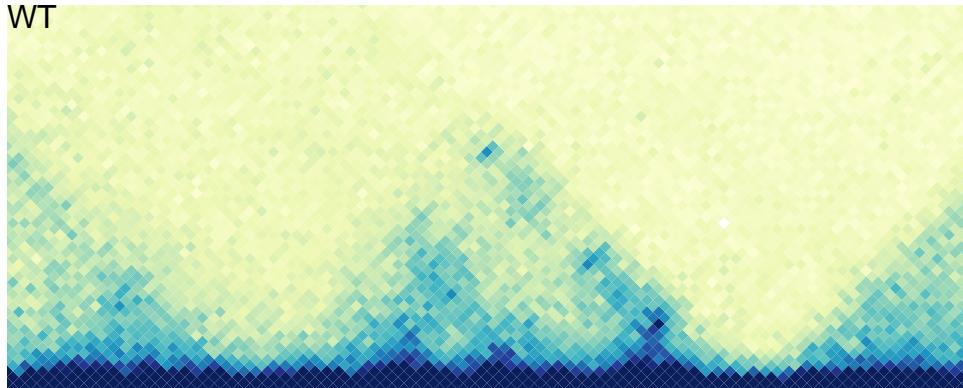
ESD

~45.6 Mb

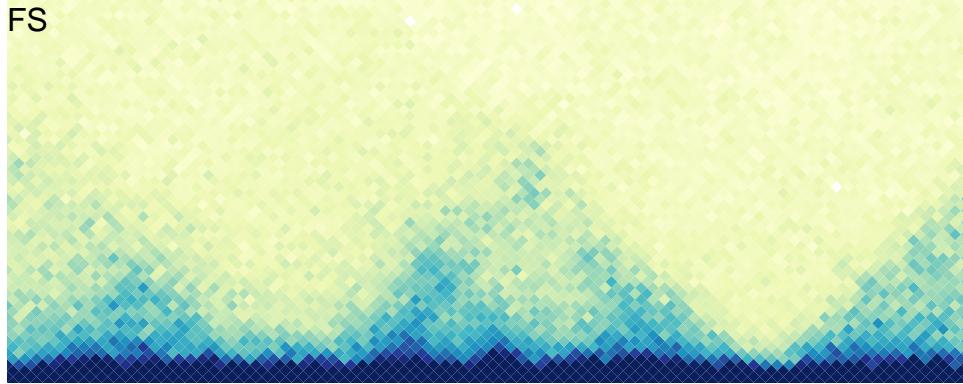
chr13

~46.8 Mb

WT



FS



TWSG1

RALBP1

PPP4R1-AS1

RAB31

VAPA

+

-



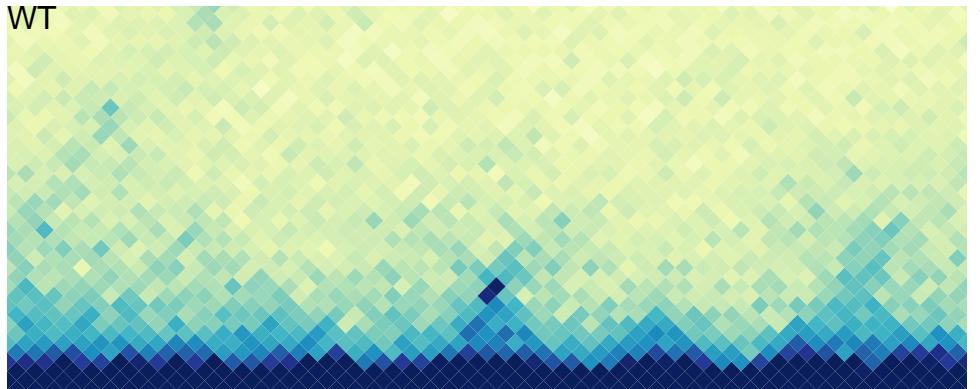
PPP4R1

~9.3 Mb

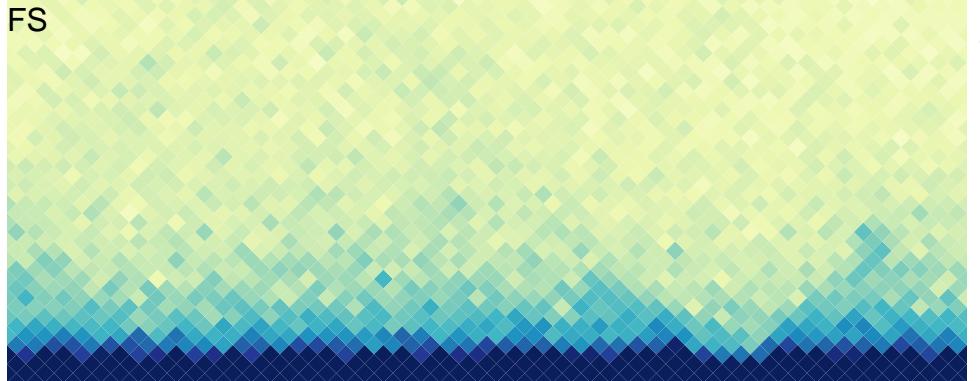
chr18

~10.1 Mb

WT



FS



RBBP8

+

-

LOC101927571

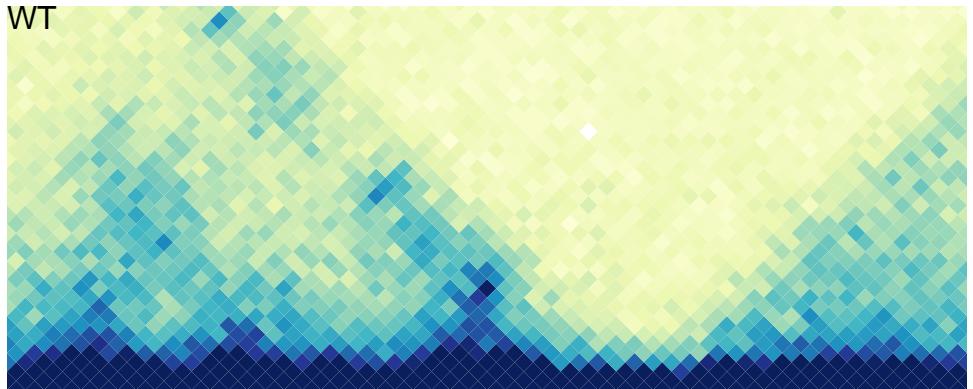
~22.6 Mb

chr18

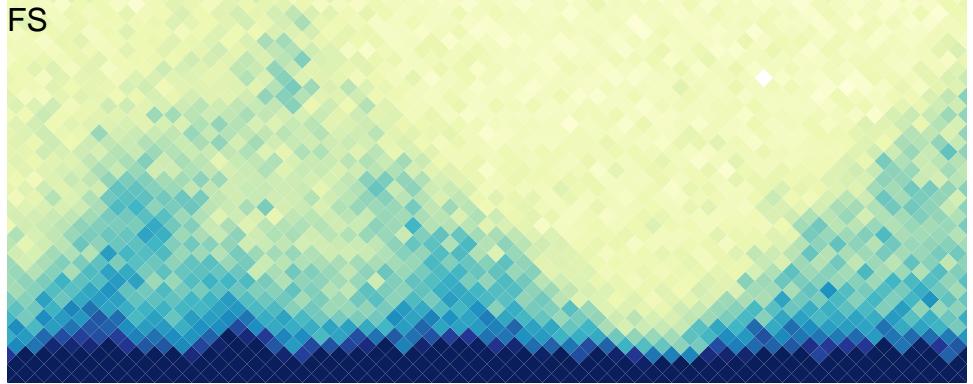
~23.1 Mb



WT



FS



LINC02856

RAB31

TXNDC2

VAPA

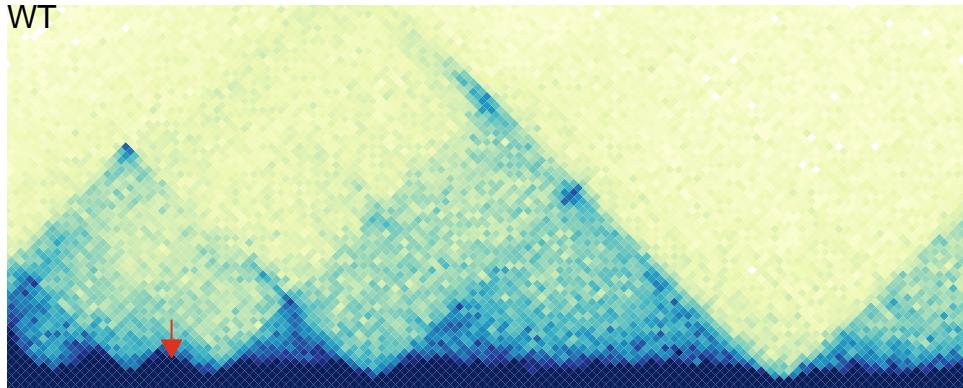


~9.6 Mb

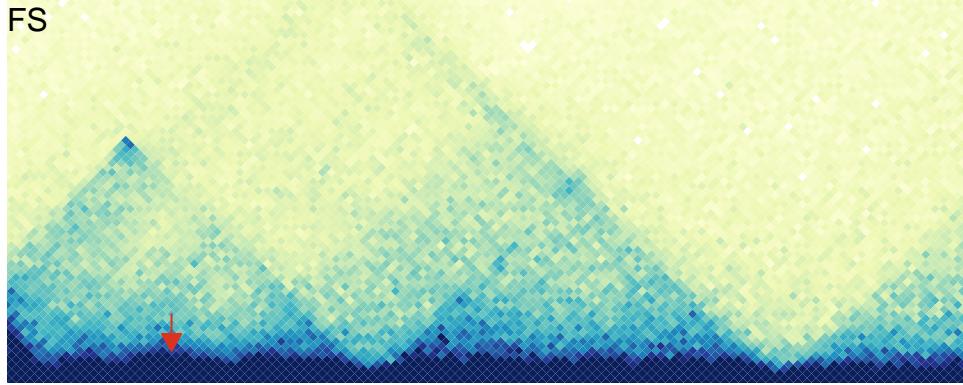
chr18

~10.1 Mb

WT



FS



ZNF536

LINC01834

LOC105372358

LOC124904685

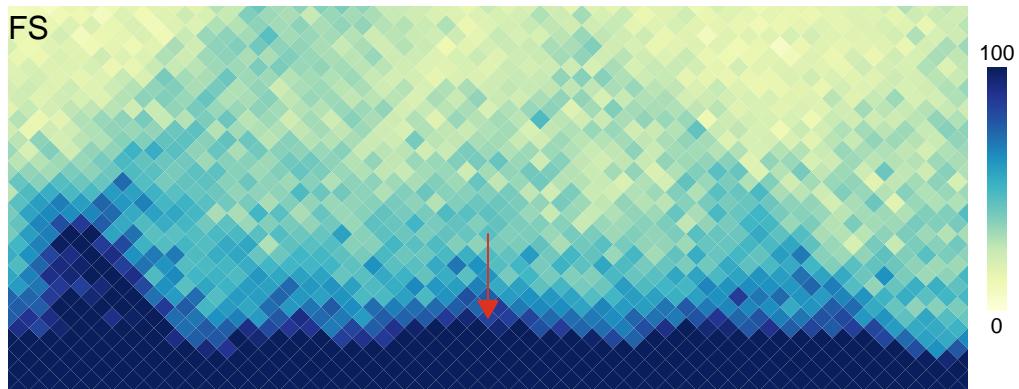
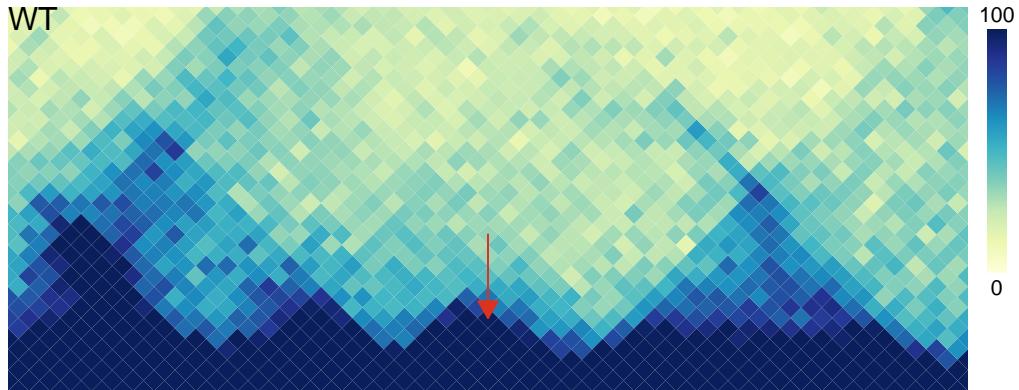
TSHZ3



~30.3 Mb

chr19

~31.4 Mb



ZNF536



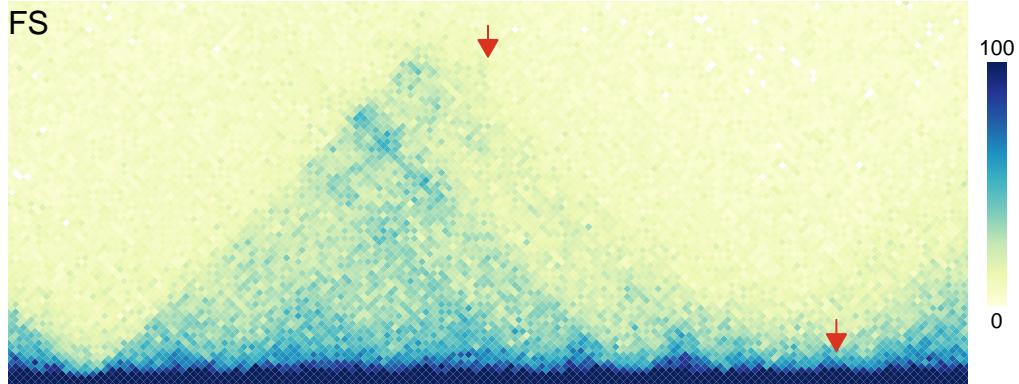
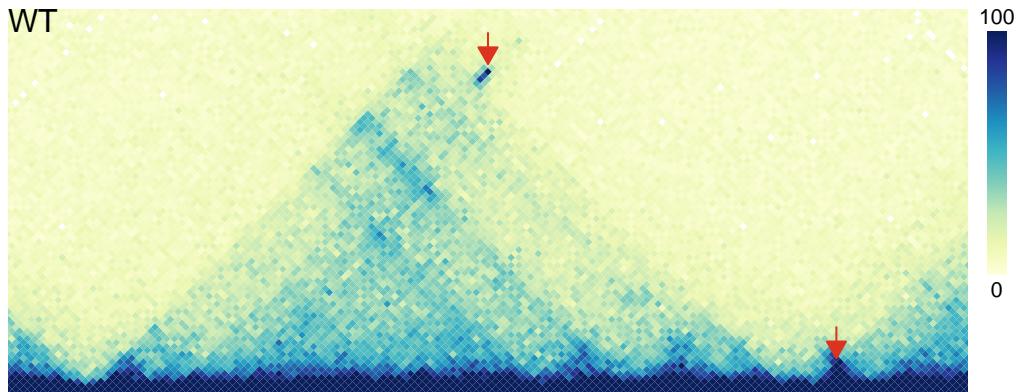
+

~30.3 Mb

chr19

~30.7 Mb

LOC124904685



OTX2-AS1

AP5M1

NAA30

LOC105370518

+

Genomic track for OTX2-AS1. The top line shows a blue segment with vertical tick marks, indicating positive strand transcription. The bottom line shows a green segment with vertical tick marks.

-

Genomic track for LOC124903323. The top line shows a green segment with vertical tick marks, indicating negative strand transcription. The bottom line shows a blue segment with vertical tick marks.

LOC124903323

EXOC5

CCDC198

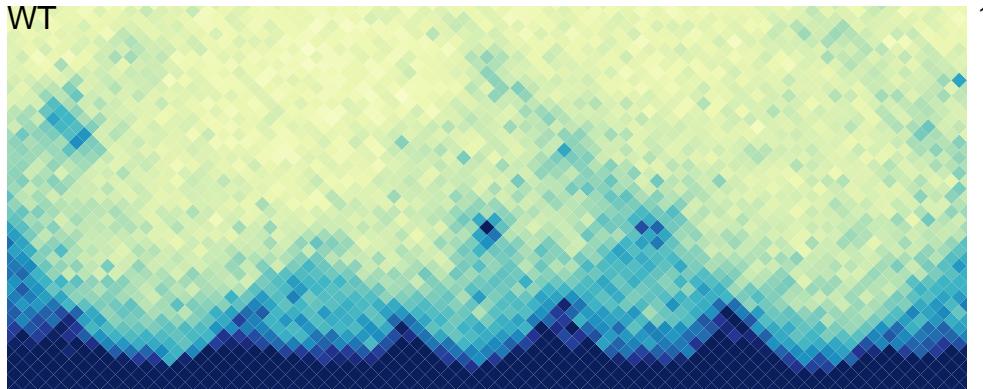
SLC35F4

~56.9 Mb

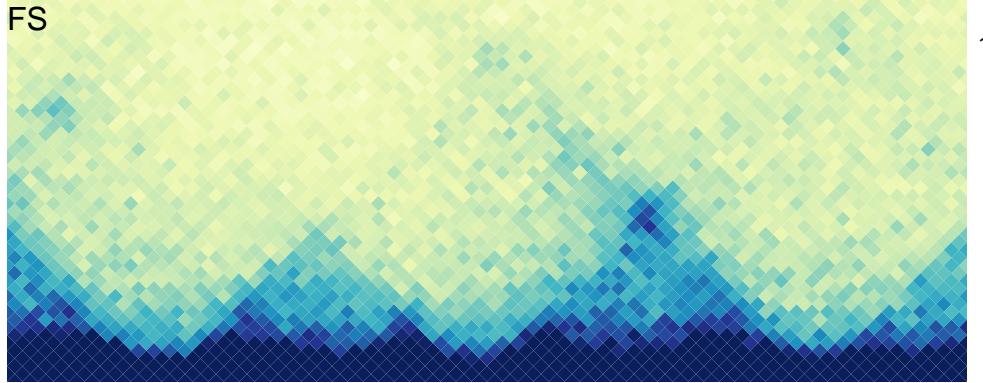
chr14

~58.1 Mb

WT



FS



ATL1

ABHD12B

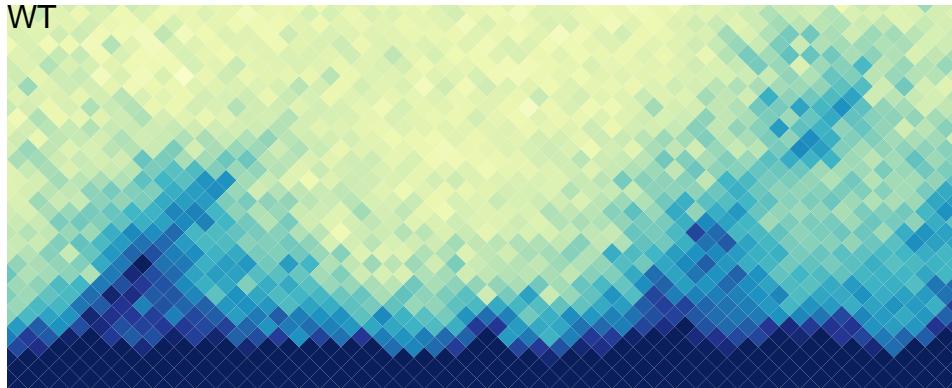


~50.5 Mb

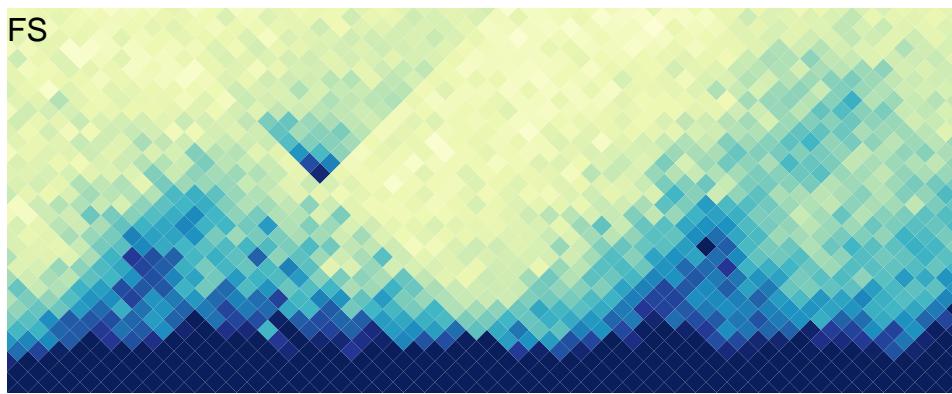
chr14

51.1 Mb

WT

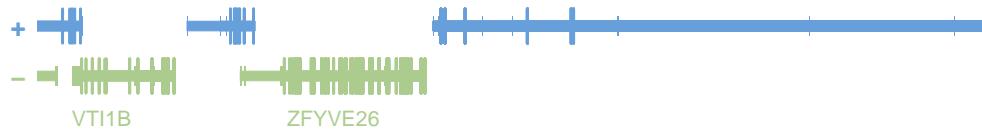


FS



RDH12

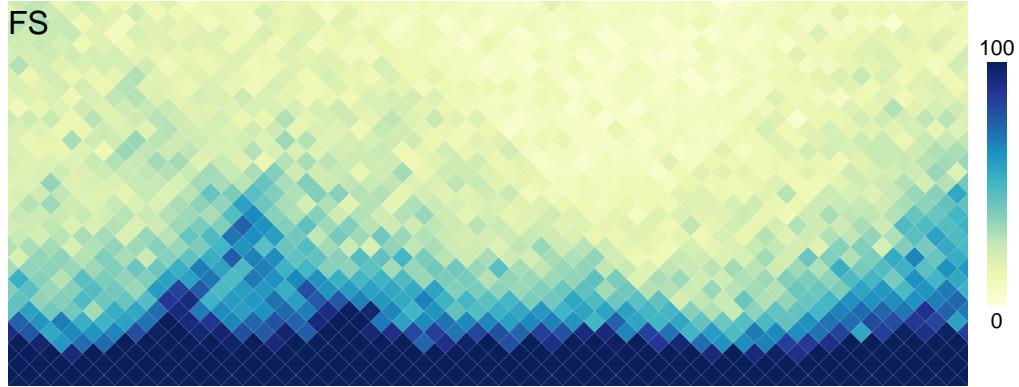
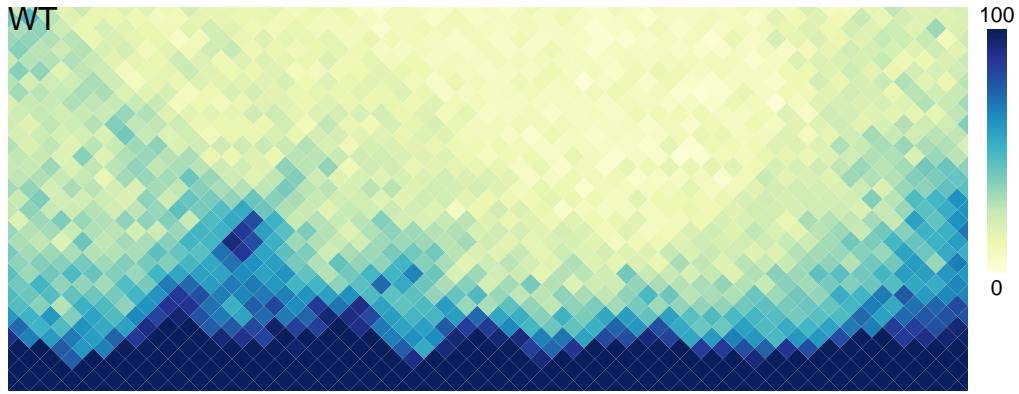
RAD51B



~67.6 Mb

chr14

~68.1 Mb



SNORD56B

SIPA1L1



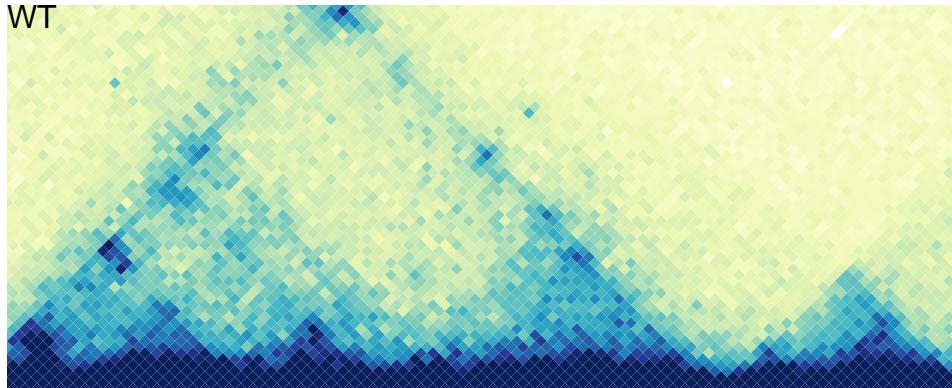
SIPA1L1-AS1

~71.2 Mb

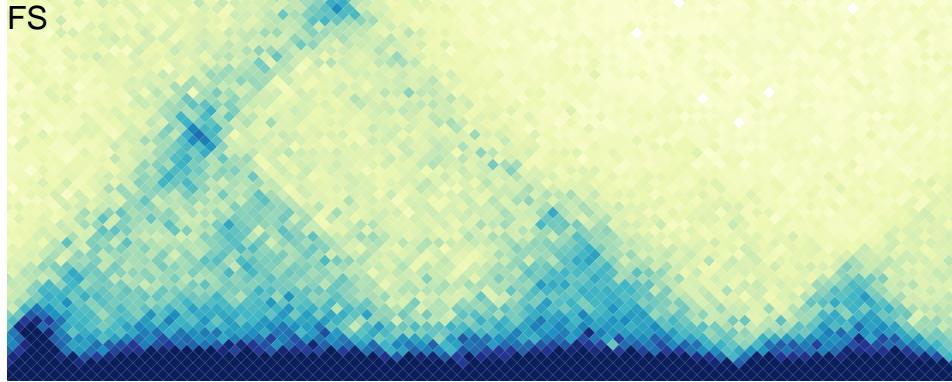
chr14

71.7 Mb

WT



FS



PRKCH

LINC03033

HIF1A

SYT16

+

-

TMEM30B

LINC01303

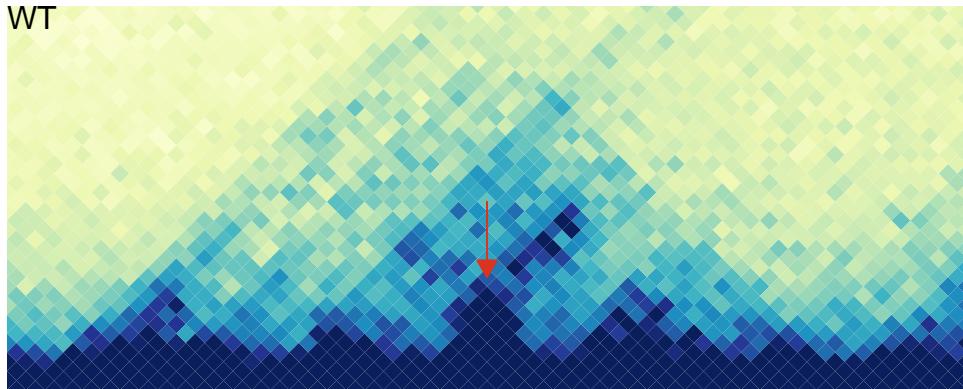
HIF1A-AS1

~61.1 Mb

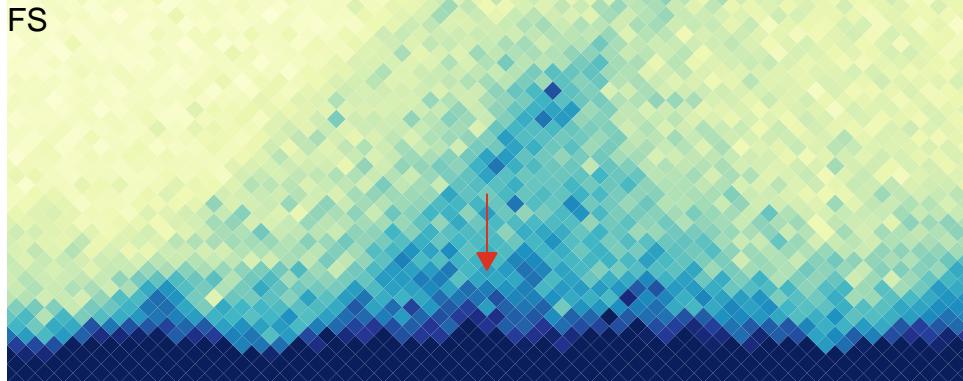
chr14

~61.9 Mb

WT



FS



RAD51B

LOC105370547

LOC100996664

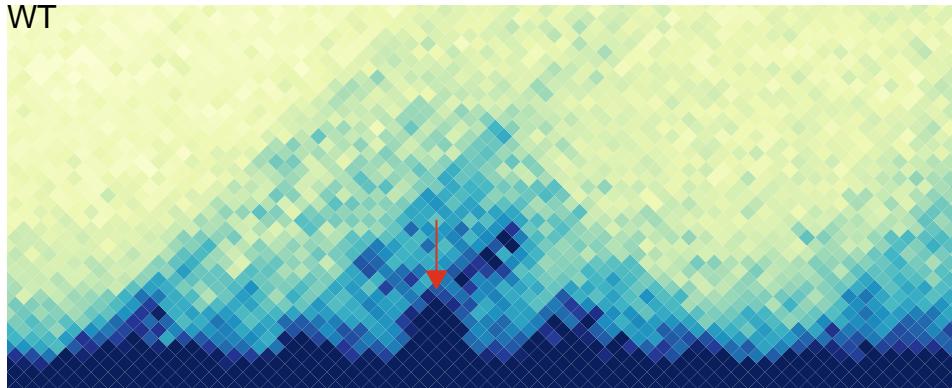
~68.3 Mb

chr14

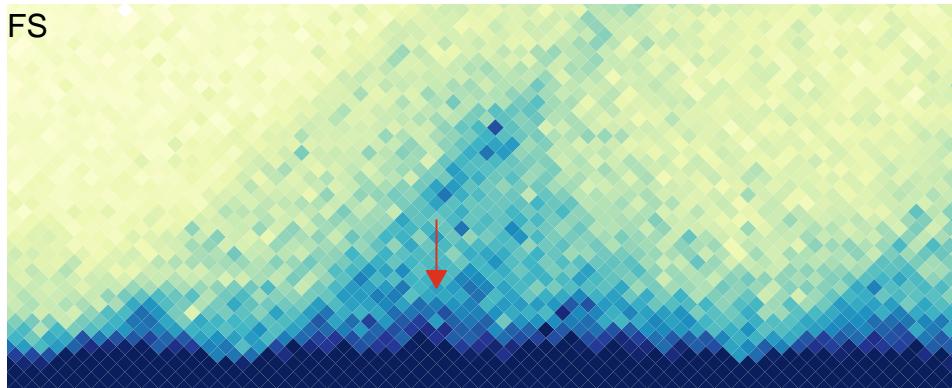
~68.8 Mb



WT



FS



RAD51B

LOC105370547

LOC100996664

ZFP36L1



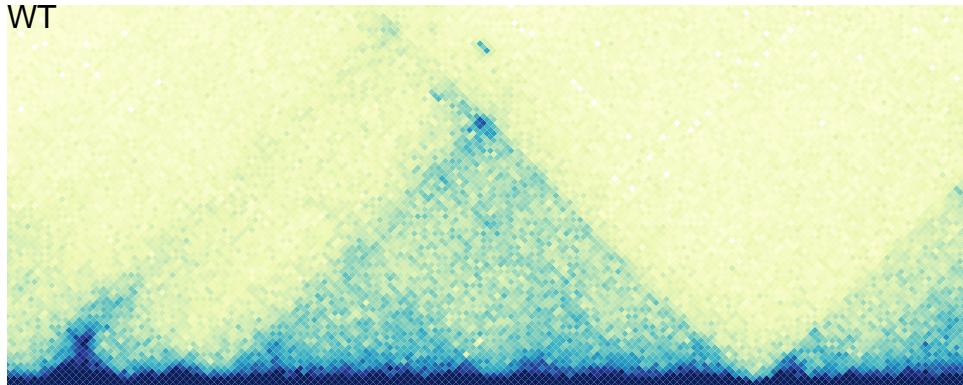
-

~68.3 Mb

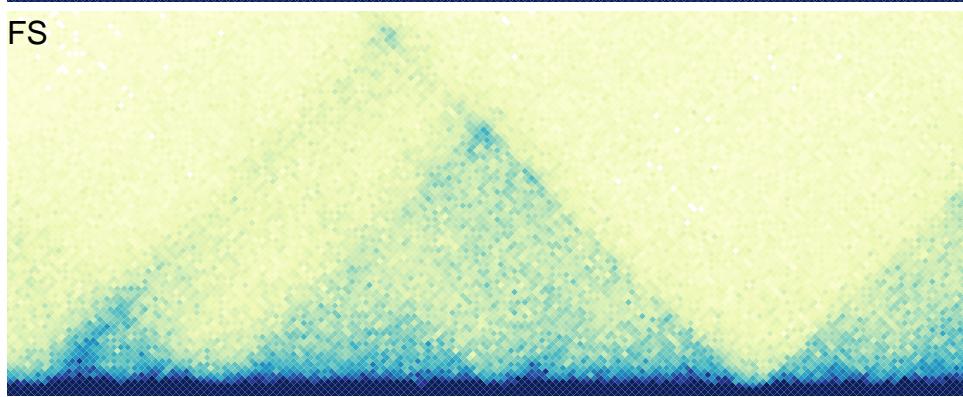
chr14

~68.8 Mb

WT



FS



PELI2 LINC02284

TMEM260

OTX2-AS1

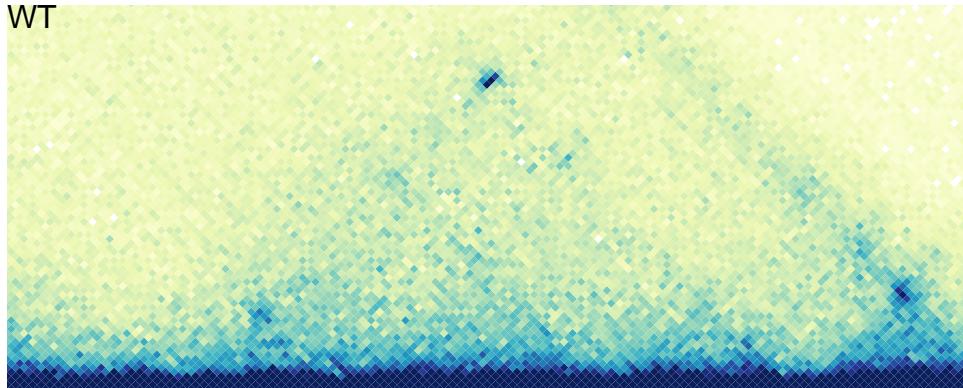


~55.9 Mb

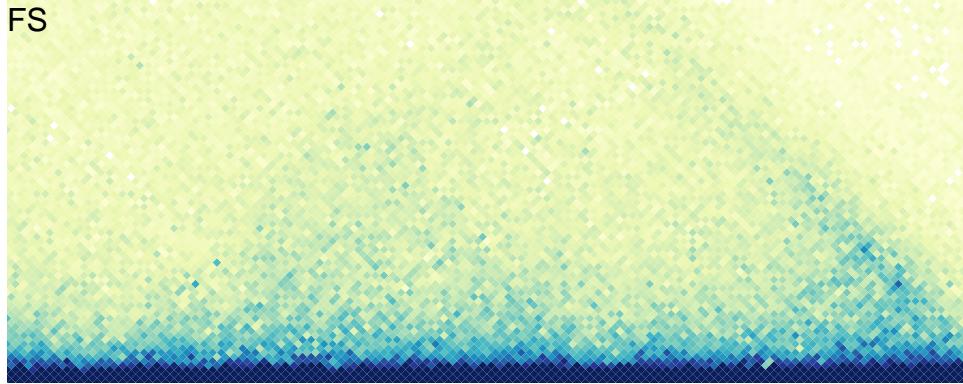
chr14

~57.3 Mb

WT



FS



FOGX1 LINC02327



LINC02300 FOXG1-AS1



~27.9 Mb

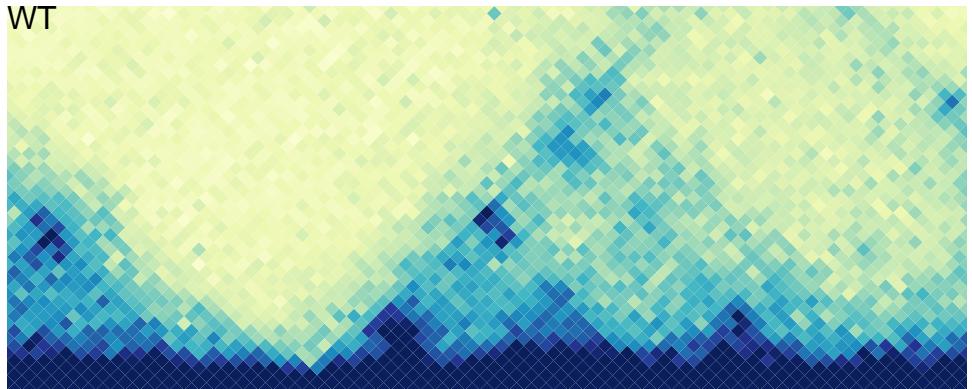
chr14

~29 Mb

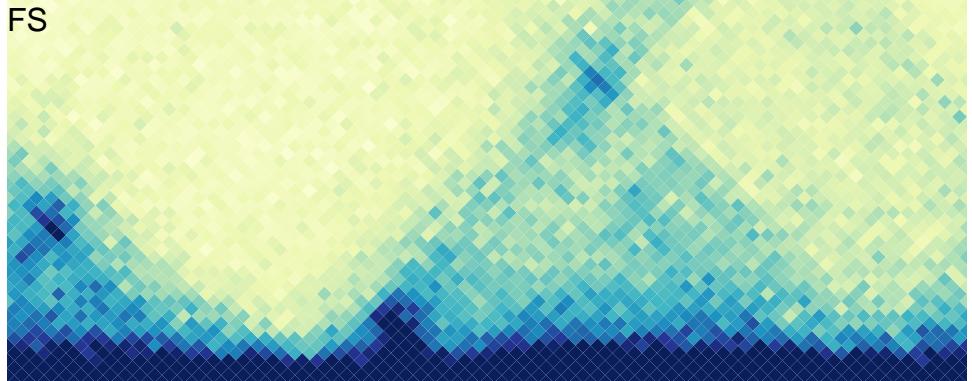
+

-

WT



FS



MNAT1

SLC38A6

PRKCH

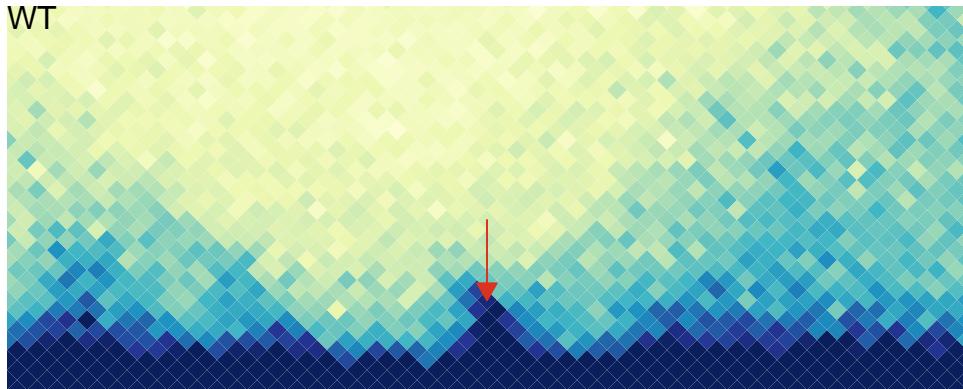


~60.9 Mb

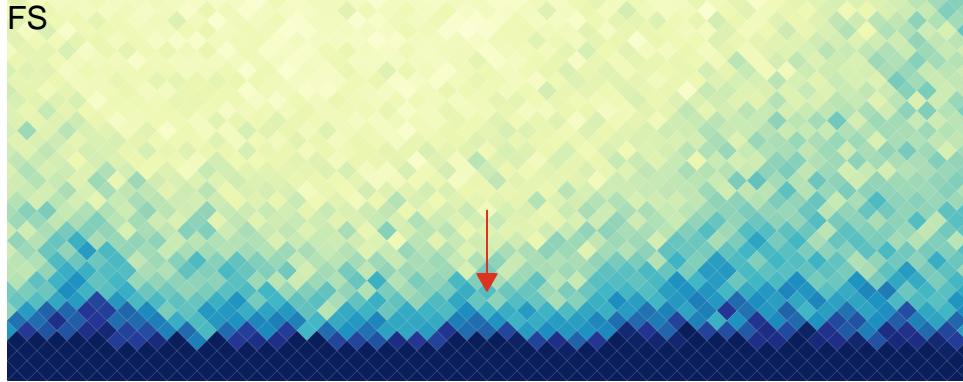
chr14

~61.5 Mb

WT



FS



+

-

SLC35F4

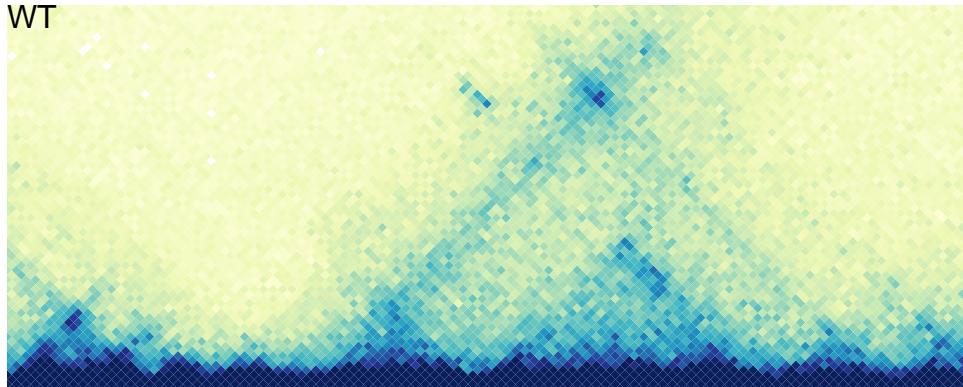
ARMH4

~57.7 Mb

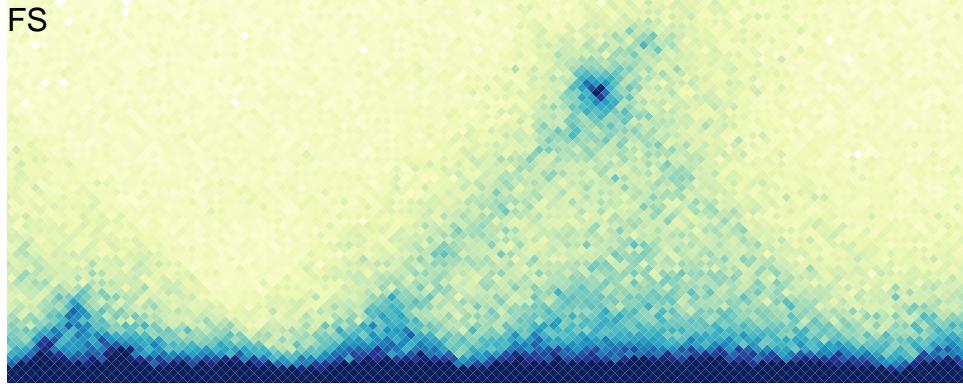
chr14

~58.2 Mb

WT



FS



SNORD56B SIPA1L1

RGS6

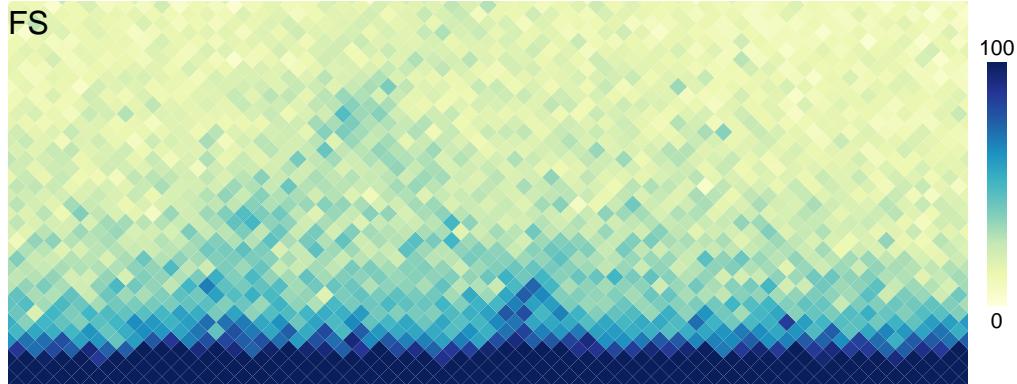
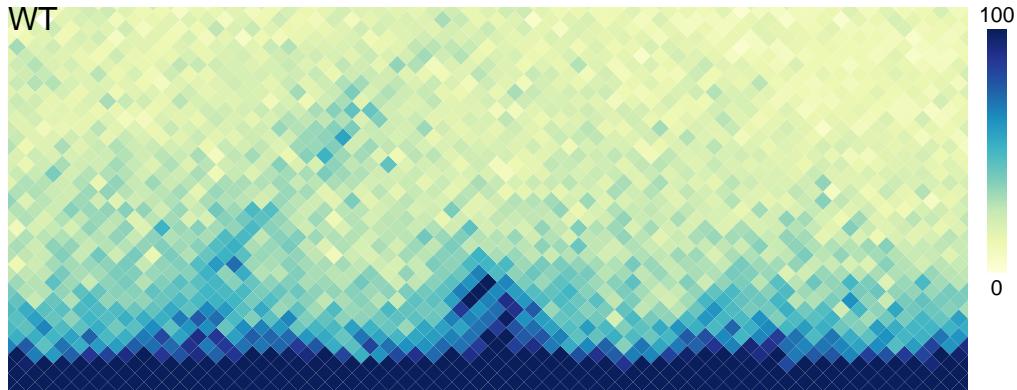


LOC124903342

~71.3 Mb

chr14

72.3 Mb



+

A small icon consisting of a plus sign (+) above a horizontal line with tick marks, indicating the positive strand direction.

-

A small icon consisting of a minus sign (-) below a horizontal line with tick marks, indicating the negative strand direction.

A short vertical green line segment, likely representing a gene location or marker position.

RPL10L

A short vertical green line segment.

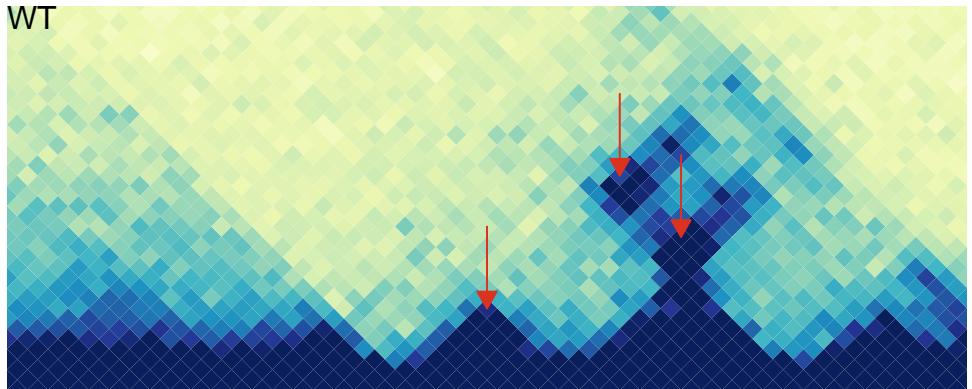
MDGA2

~46.5 Mb

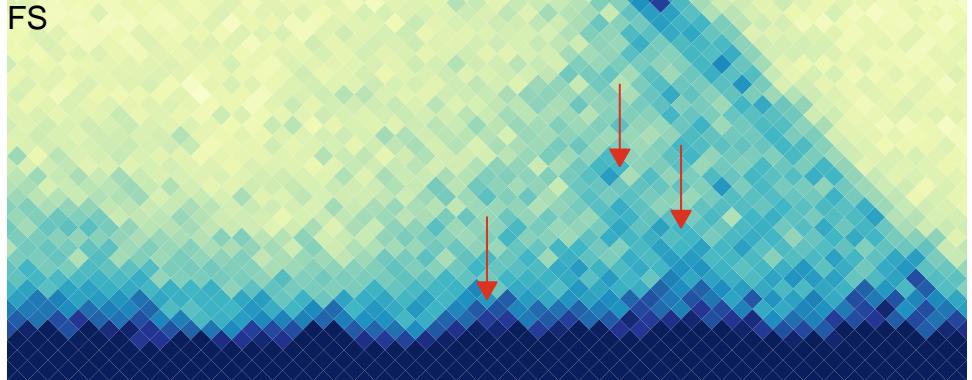
chr14

~47 Mb

WT



FS



MAP2K5

SKOR1

PIAS1

+

-

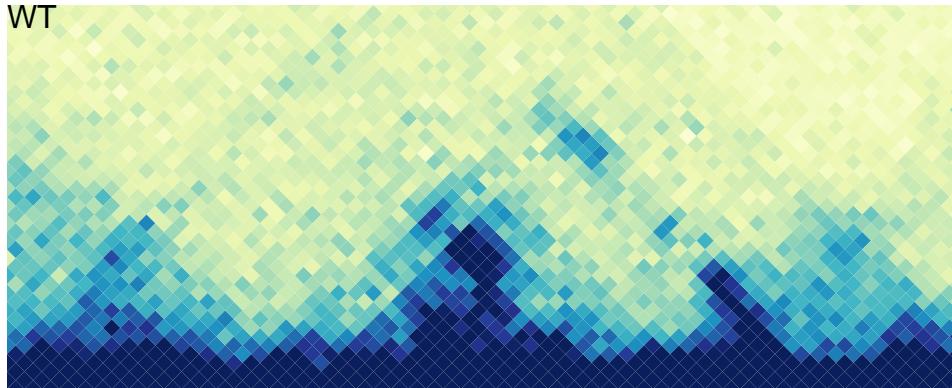
SKOR1-AS1

~67.6 Mb

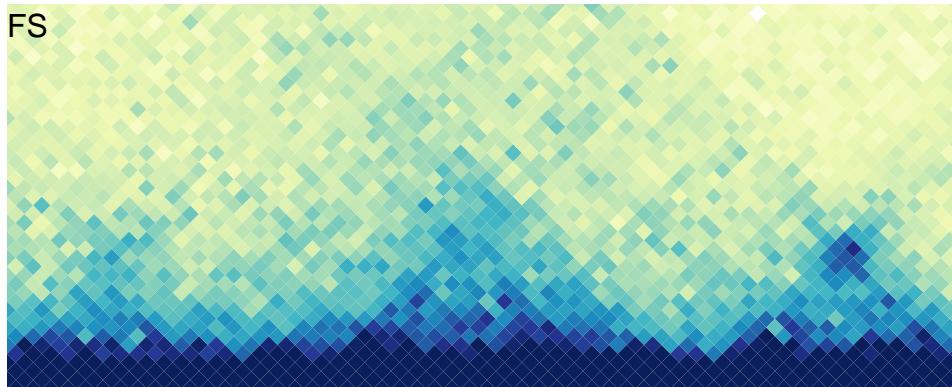
chr15

~68.1 Mb

WT



FS



TCF12

LINC00926

CGNL1



+

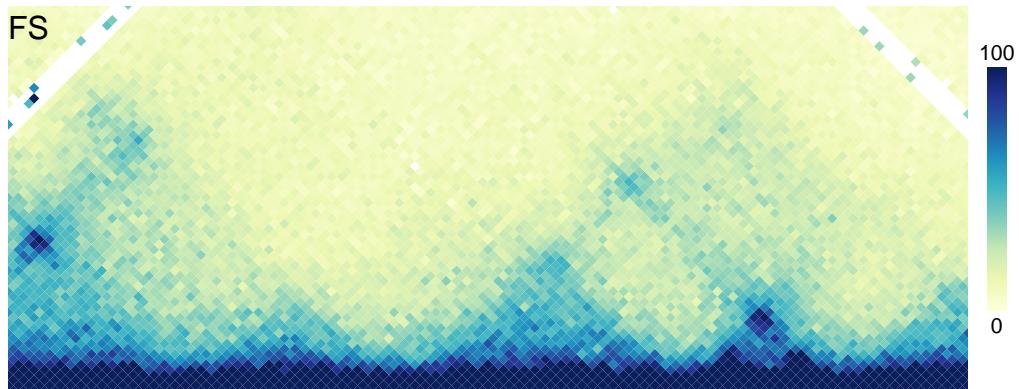
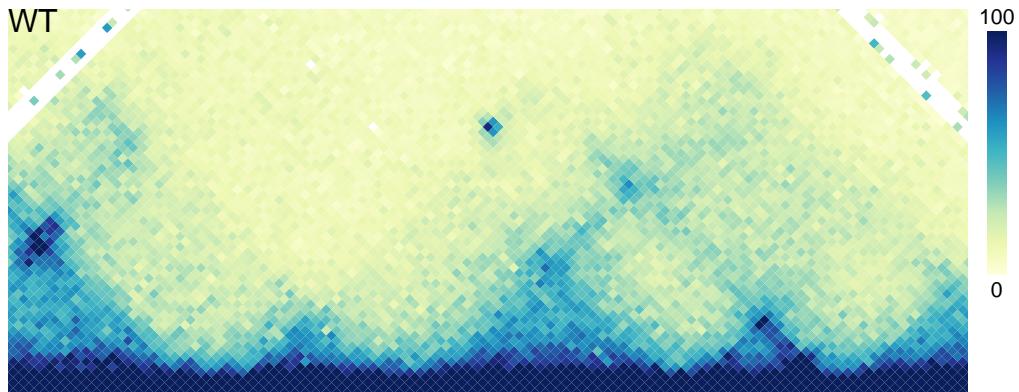
-

SNORD13D

~57 Mb

chr15

~57.6 Mb

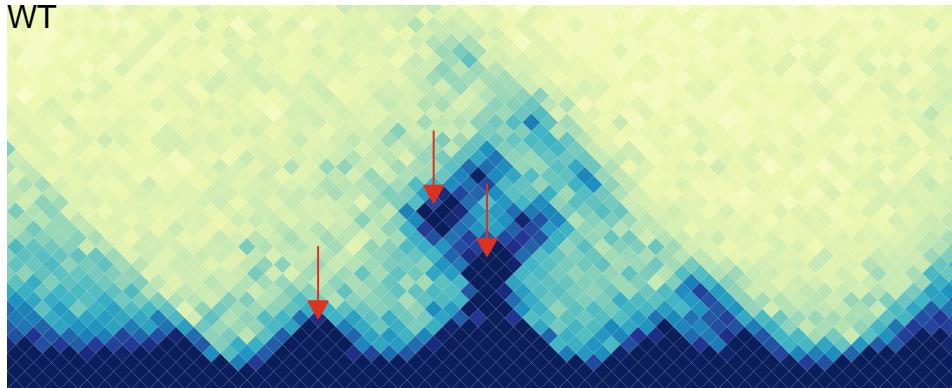


chr15

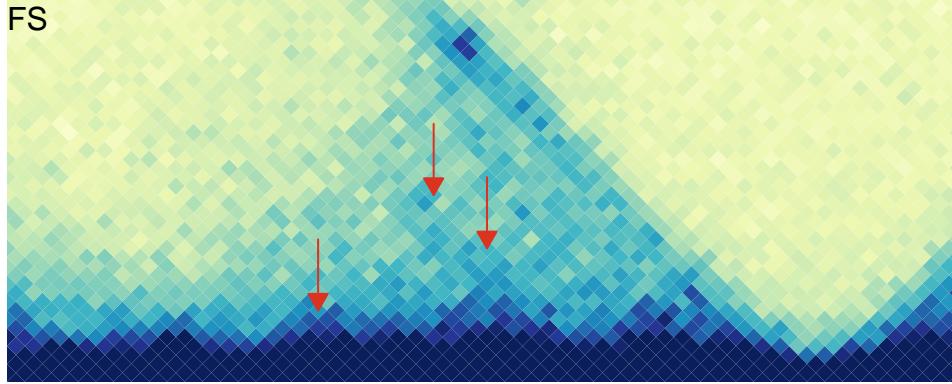
73.2 Mb

~74.1 Mb

WT



FS



MAP2K5

SKOR1

PIAS1



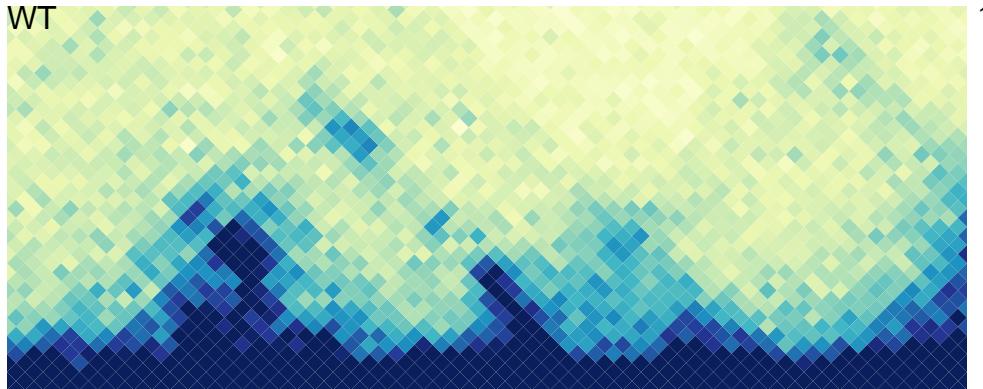
SKOR1-AS1

~67.7 Mb

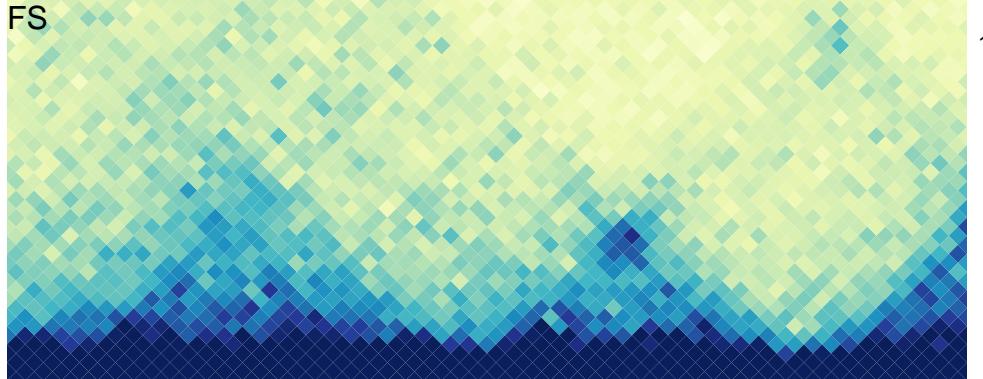
chr15

~68.2 Mb

WT



FS



TCF12 LINC00926

CGNL1

GCOM1



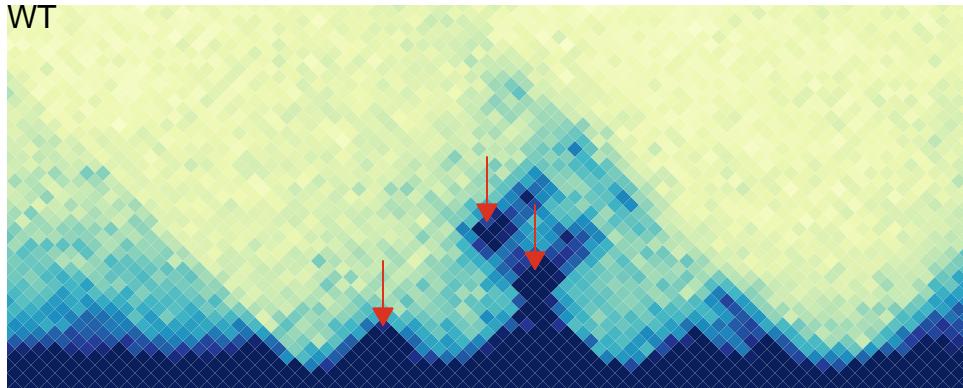
SNORD13D

~57.2 Mb

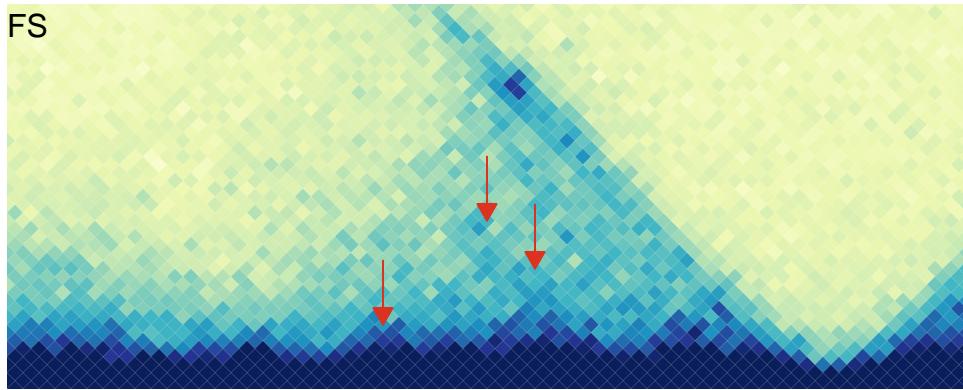
chr15

~57.7 Mb

WT



FS



MAP2K5

SKOR1

PIAS1



+

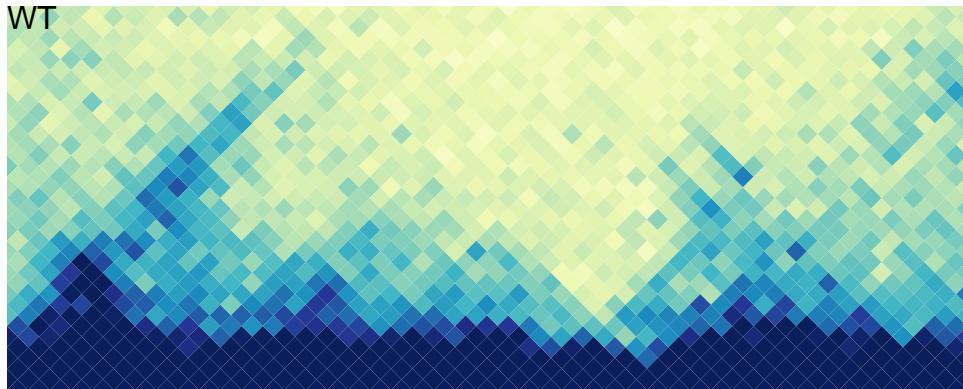
-

~67.6 Mb

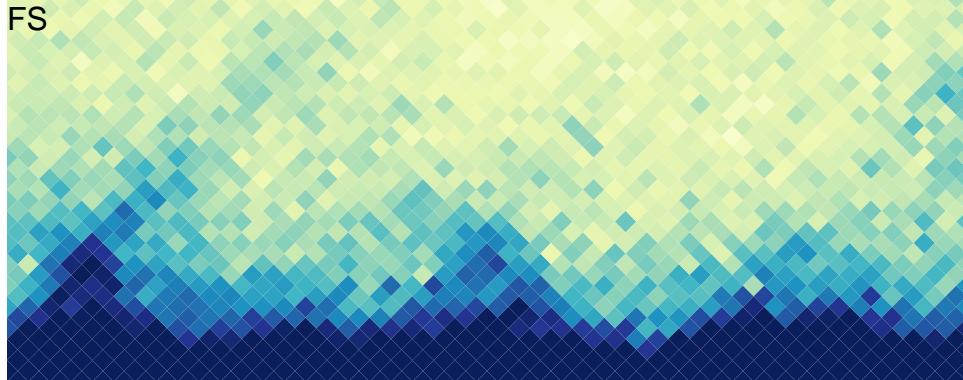
chr15

~68.2 Mb

WT



FS



LOC101928988

+

-



HERC1

63.6 Mb

chr15

DAPK2

~64 Mb

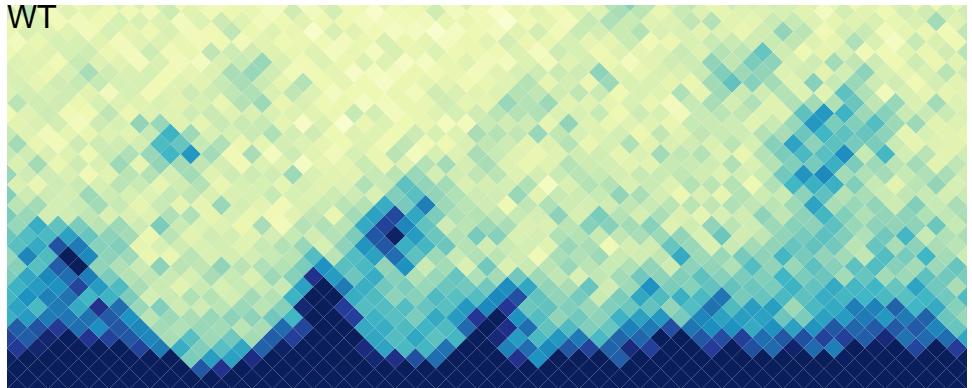
MIR422A

MIR422A

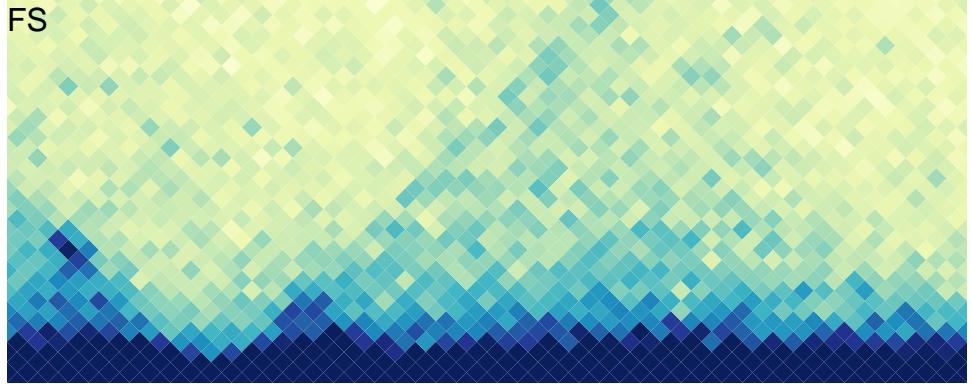
+



WT



FS



CDIN1

LOC124903595

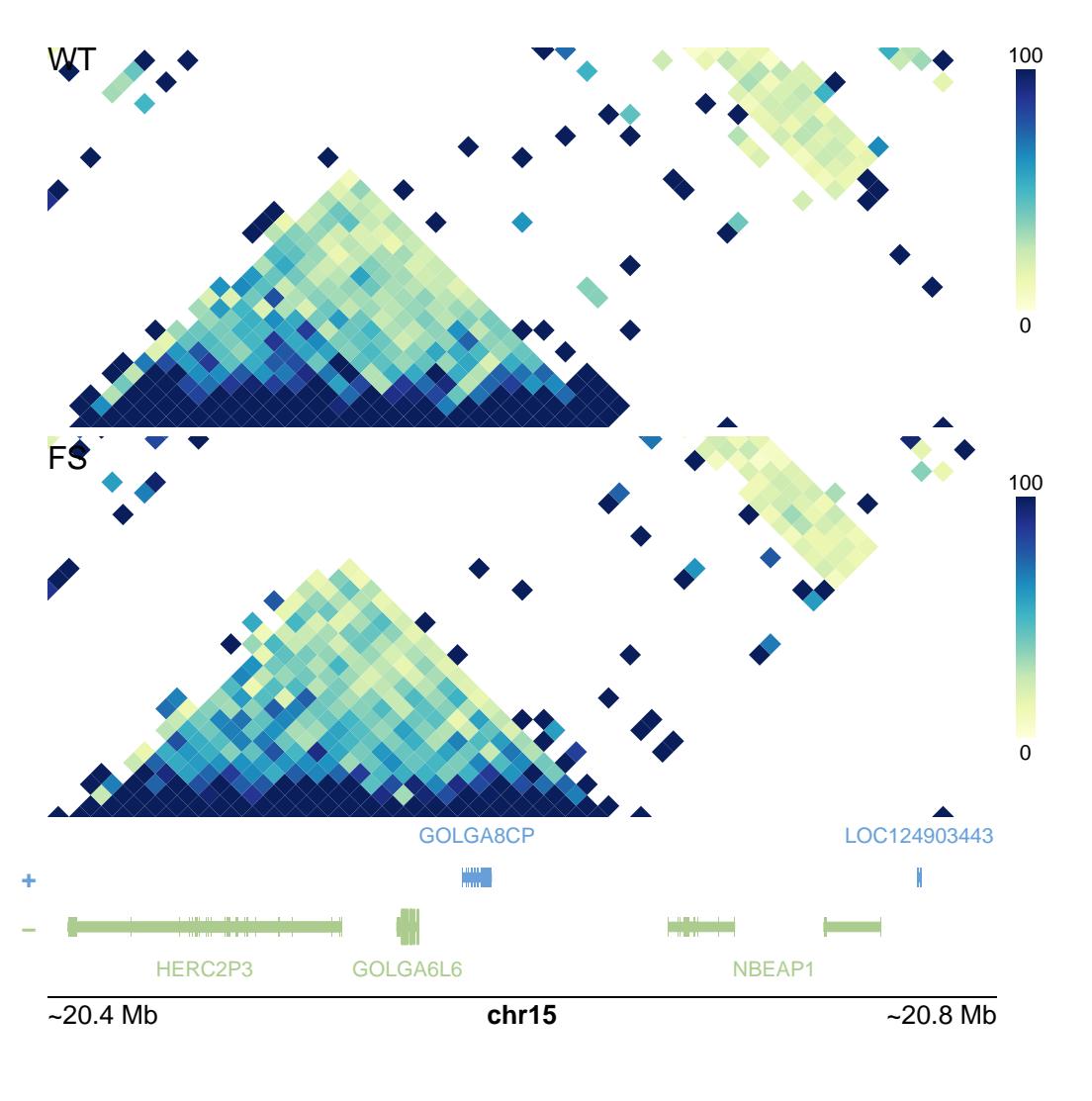
LOC124903465



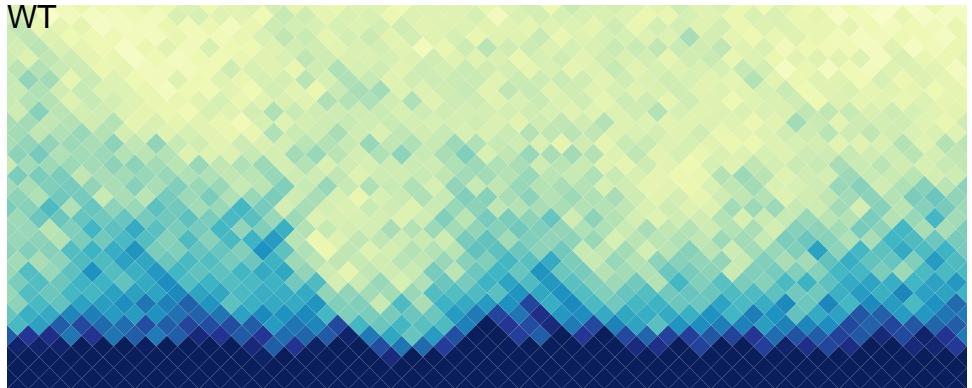
~36.7 Mb

chr15

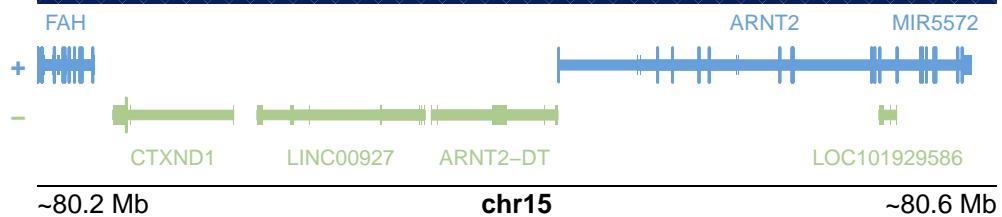
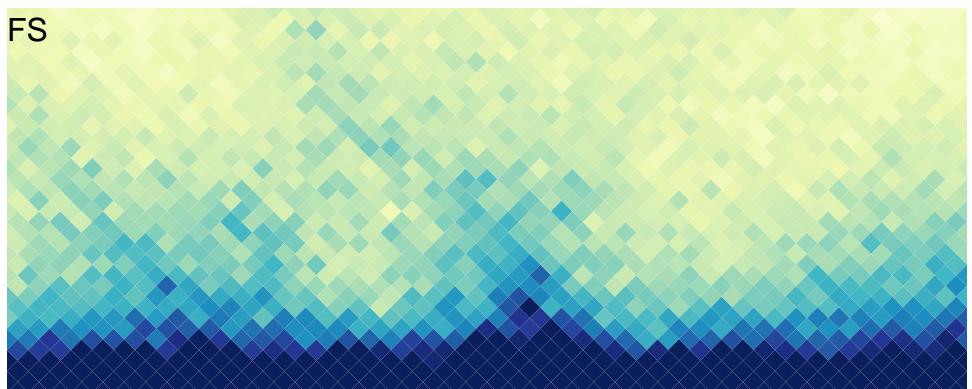
~37.2 Mb



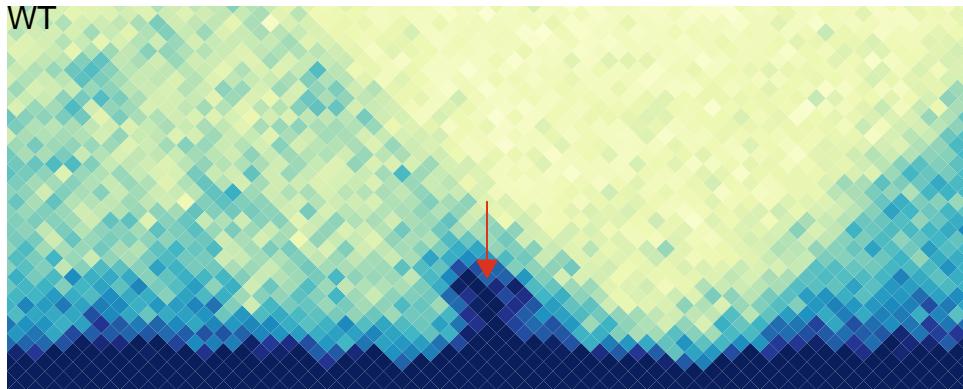
WT



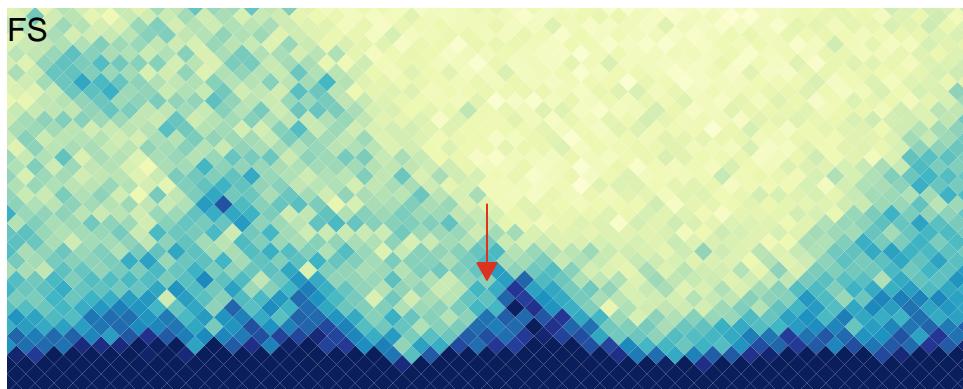
FS



WT



FS



AQP9



LIPC



ALDH1A2



chr15

~58.1 Mb

ADAM10



~58.7 Mb

100

0

100

0

WT

FS

100

0

100

0

GOLGA8CP MIR5701-1

MIR5701-2 MIR3118-4 OR4N3P HERC2P2



NBEAP1

POTE B3

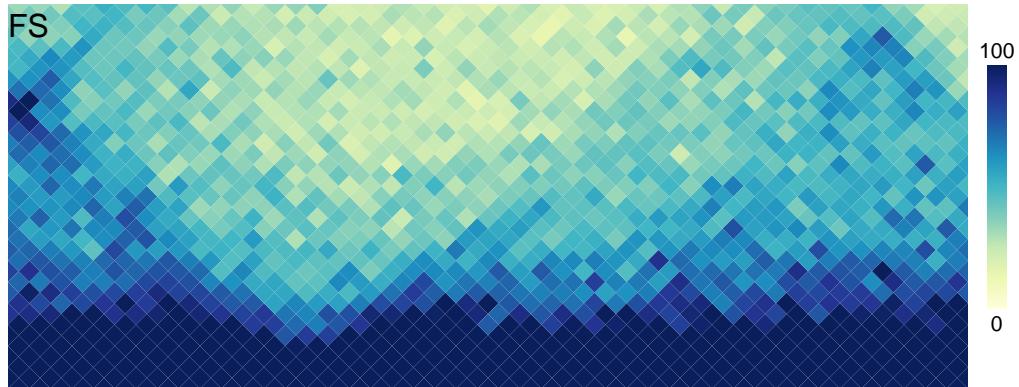
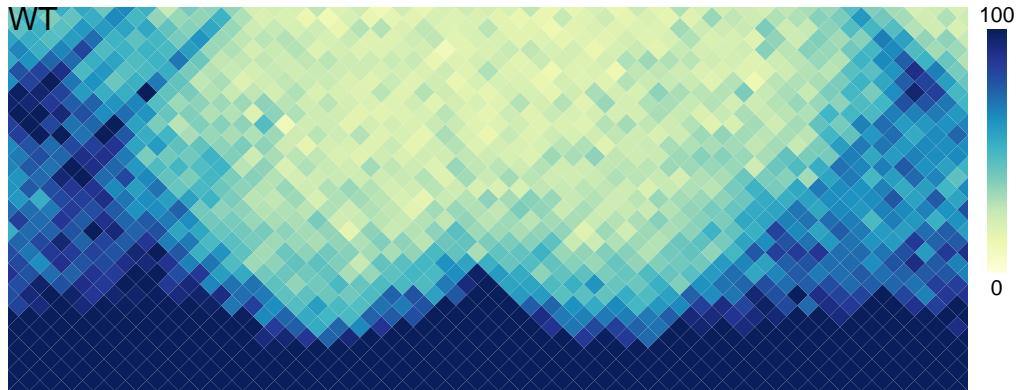
POTE B

MIR1268A HERC2P7

~20.4 Mb

chr15

~22.7 Mb



BCAS3



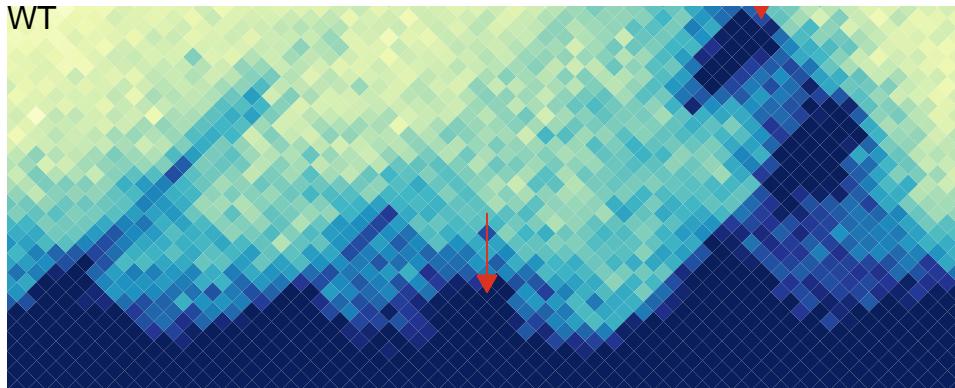
LOC107984992

~60.9 Mb

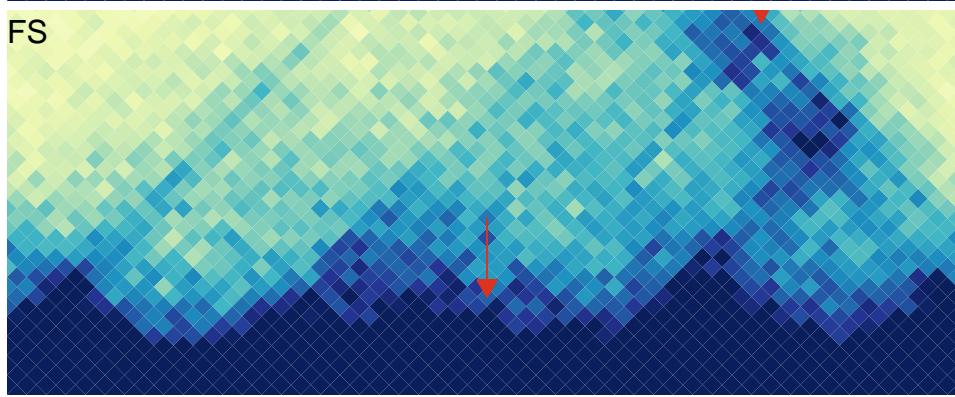
chr17

~61.4 Mb

WT



FS



KANSL1-AS1

LRRC37A

LRRC37A2

NSF

+



KANSL1



ARL17B

.....



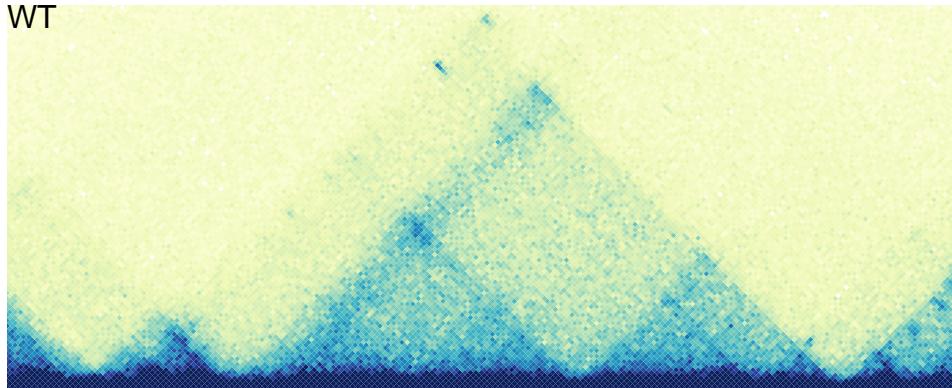
ARL17A

~46.1 Mb

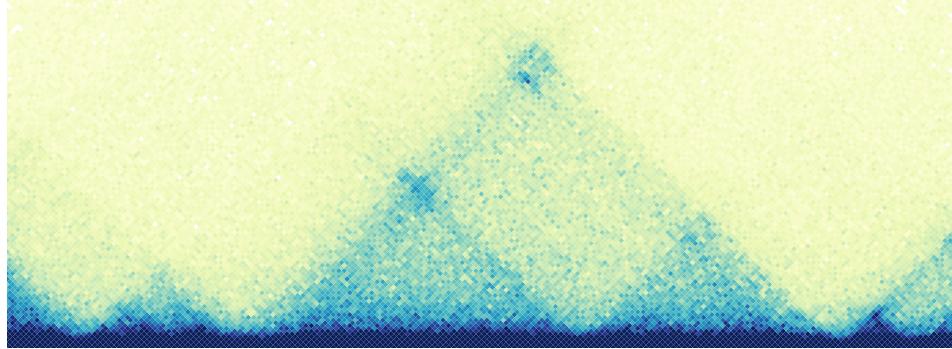
chr17

~46.6 Mb

WT



FS



HELZ-AS1 PITPNC1 NOL11 BPTF KPNA2 AMZ2 PRKAR1A

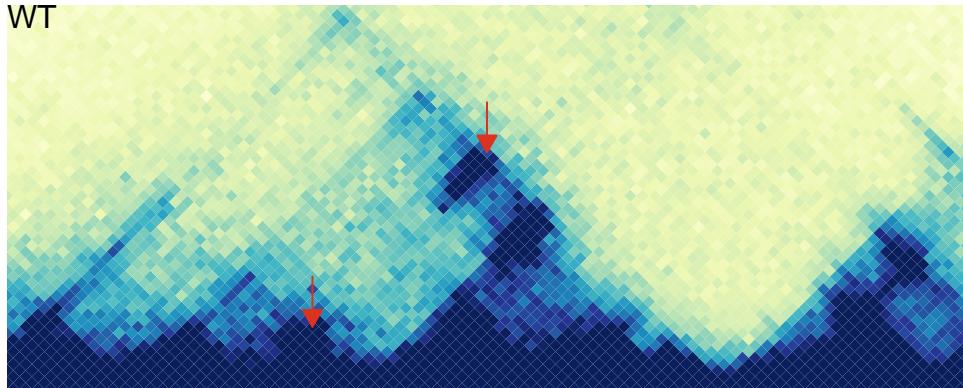


~67.1 Mb

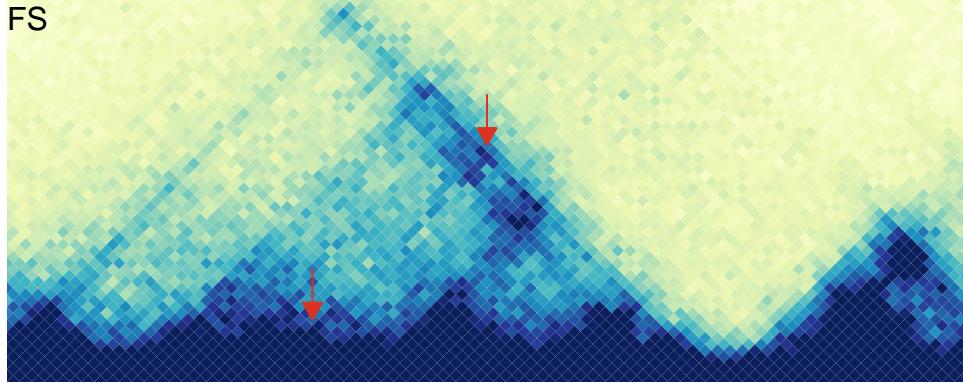
chr17

~68.9 Mb

WT



FS



KANSL1-AS1

LRRC37A

LRRC37A2

WNT9B



KANSL1



ARL17B



ARL17A



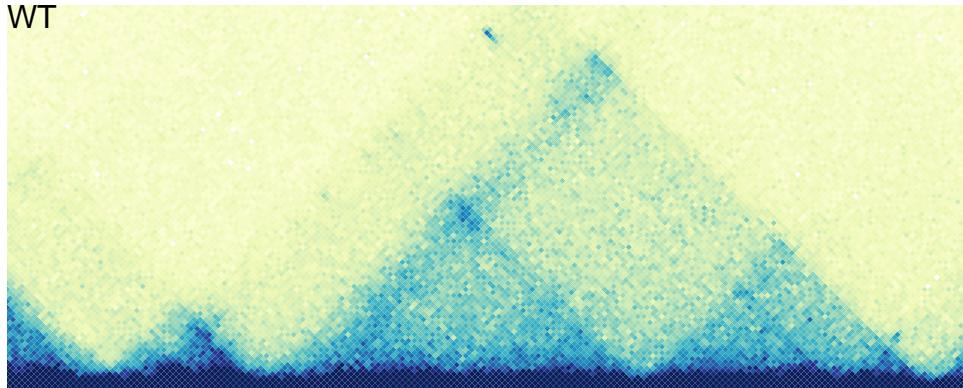
LOC101929777

~46.1 Mb

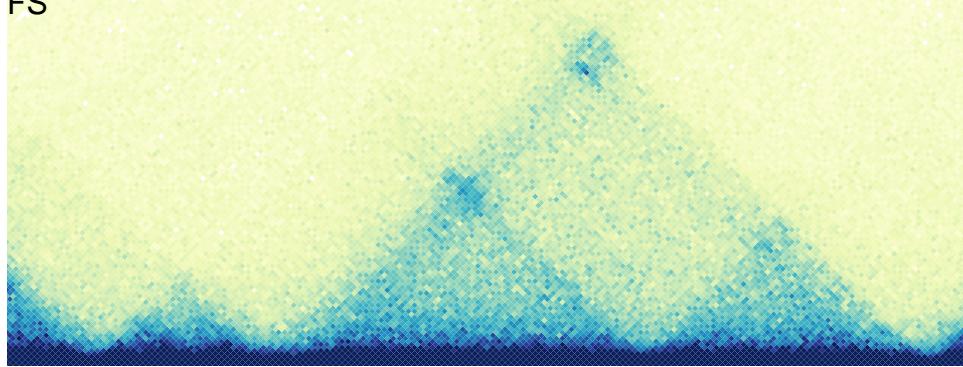
chr17

46.9 Mb

WT



FS



HELZ-AS1

PITPNC1

NOL11

BPTF

KPNA2

AMZ2

PRKAR1A

+

-

HEL

PSMD12

C17orf58

SLC16A6

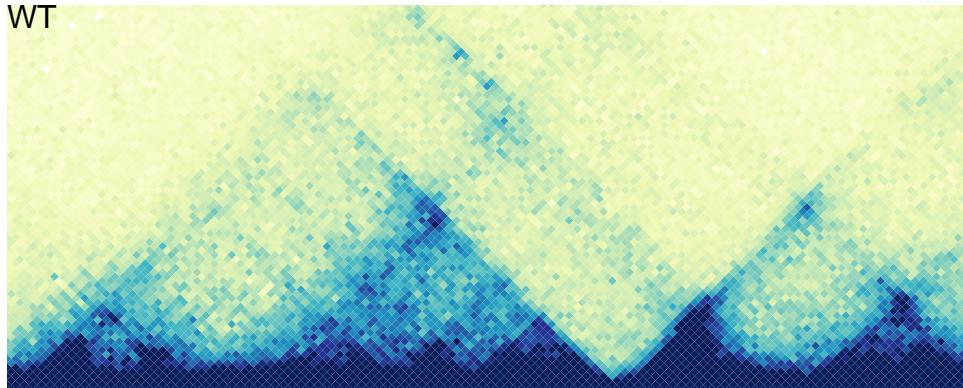
WIPI1 FAM20A

~67.1 Mb

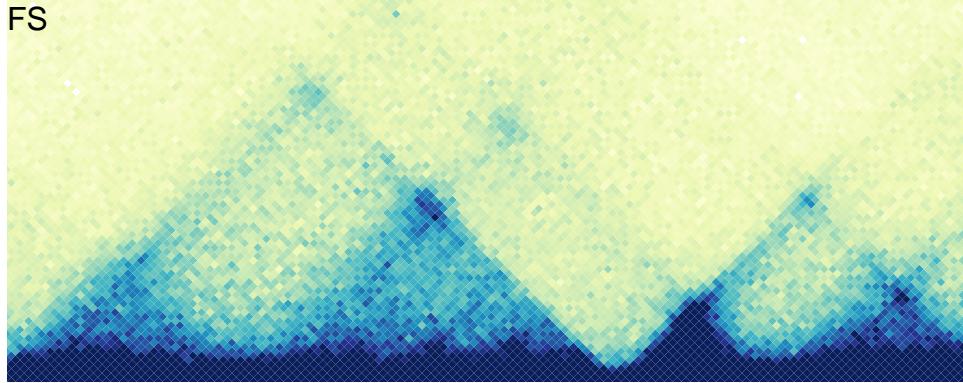
chr17

~68.7 Mb

WT



FS



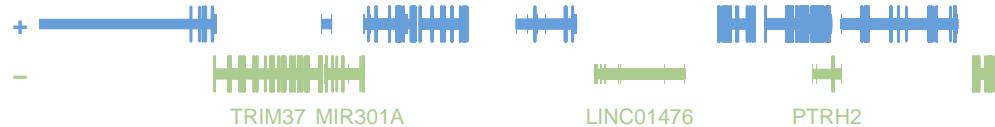
PPM1E

PRR11

YPEL2

DHX40CLTC

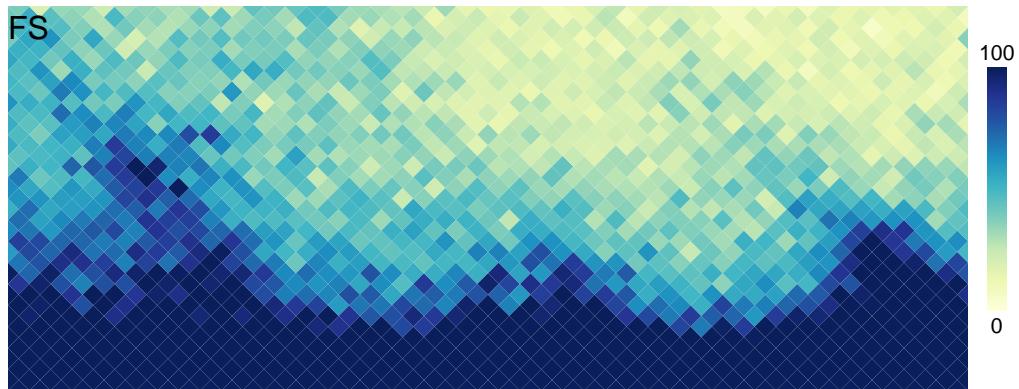
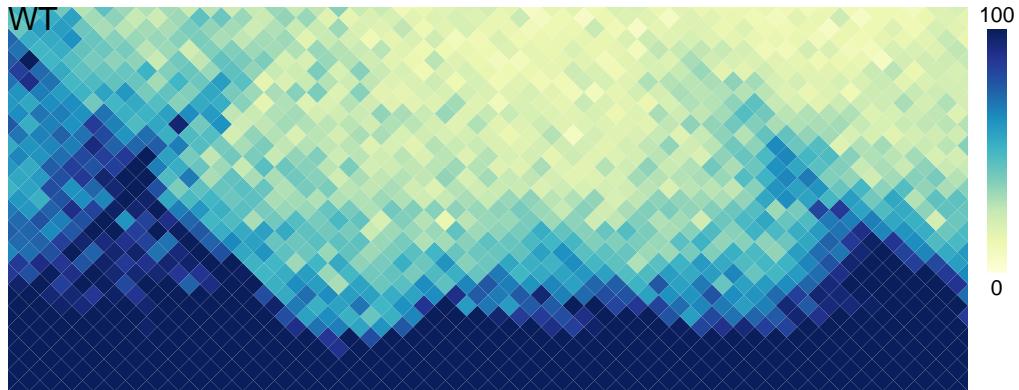
MIR21



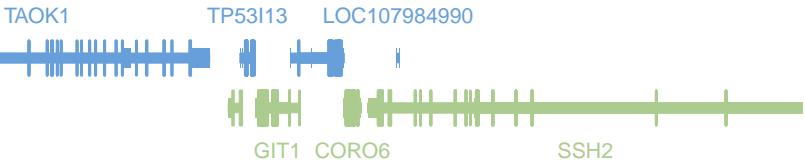
~58.8 Mb

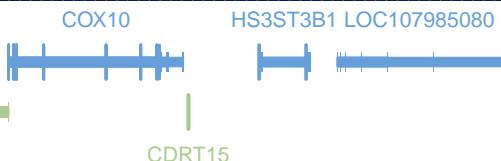
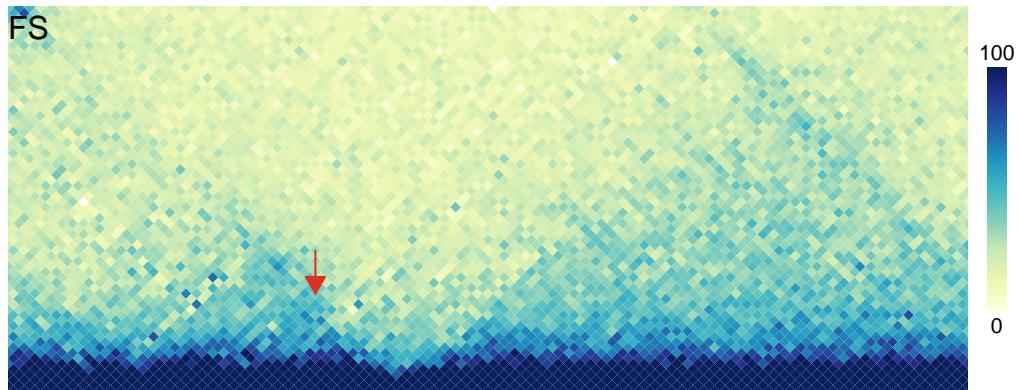
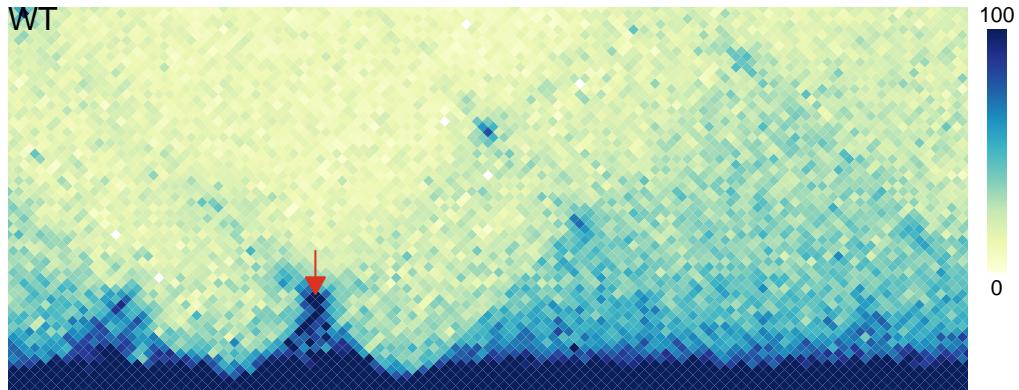
chr17

~59.9 Mb



TAOK1 TP53I13 LOC107984990



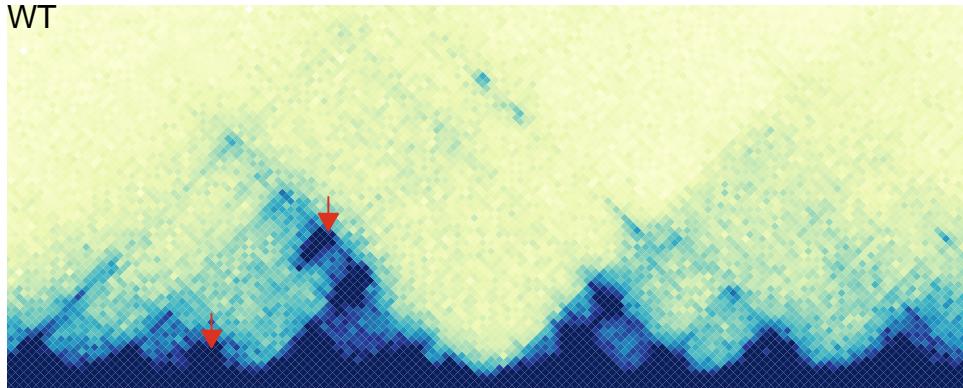


~13.8 Mb

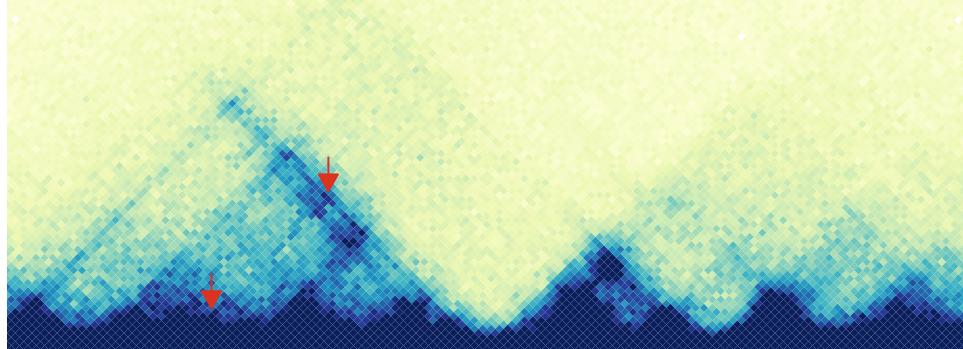
chr17

~14.7 Mb

WT



FS



LRRC37A

LRRC37A2

WNT9B

GOSR2

MYL4

+



ARL17B

ARL17A

LOC101929777

RPRML

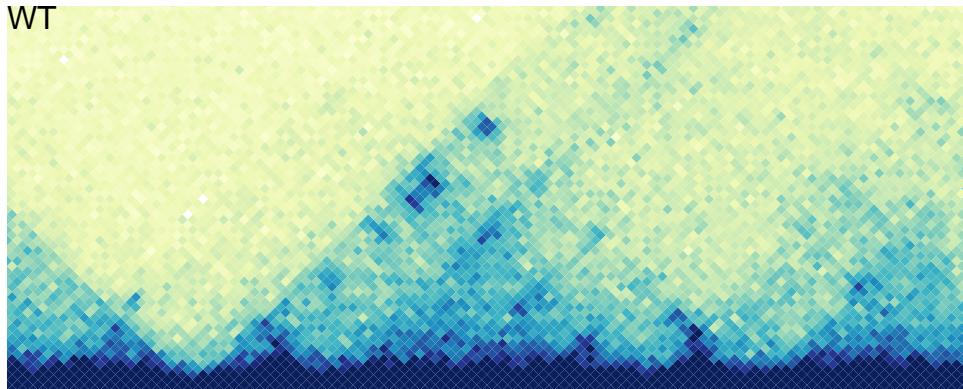
CDC27

~46.1 Mb

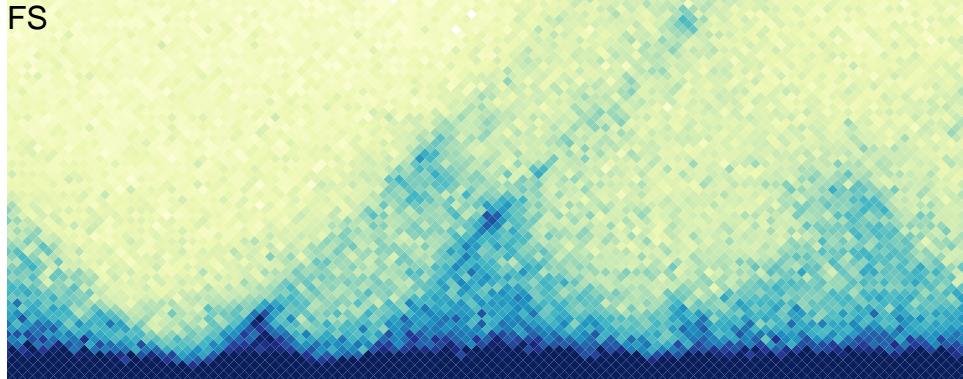
chr17

~47.3 Mb

WT



FS



PRKAR1A

LINC01482

ABCA9-AS1MIR4524B

+

+

+

-

-

-

FAM20A

LOC124904049

ABCA8

ABCA9

ABCA6

ABCA10

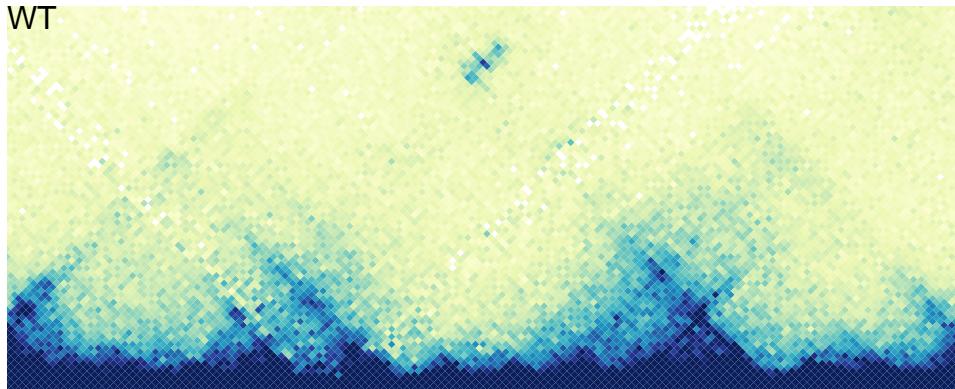
ABCA5

~68.4 Mb

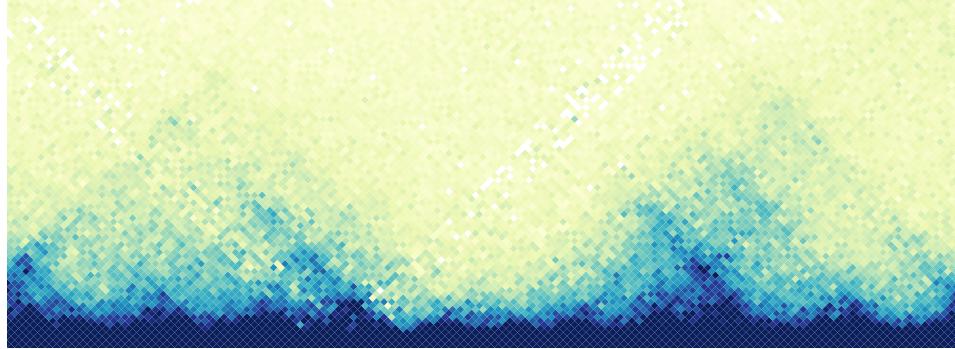
chr17

~69.4 Mb

WT



FS



TRAF4 ERAL1 PIPOX

CRYBA1

TAOK1TP53I13

SPAG5 RAB34 MIR451A SEZ6

MYO18A NUFIP2

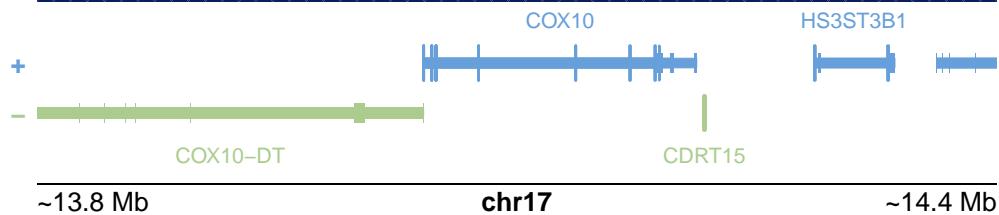
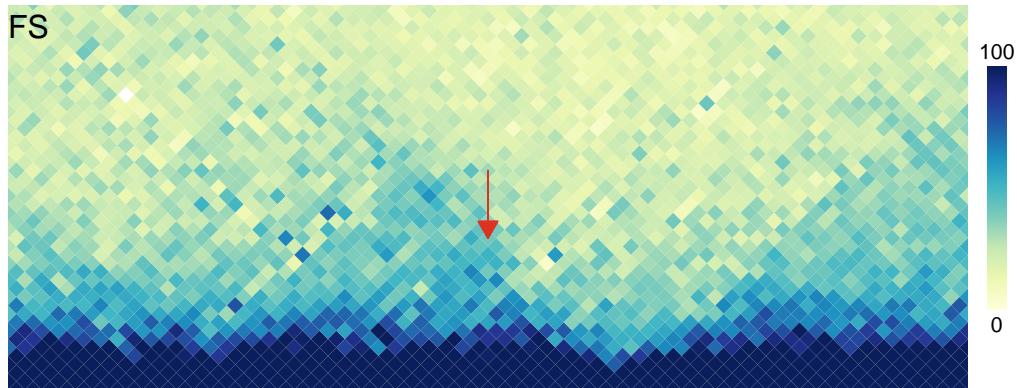
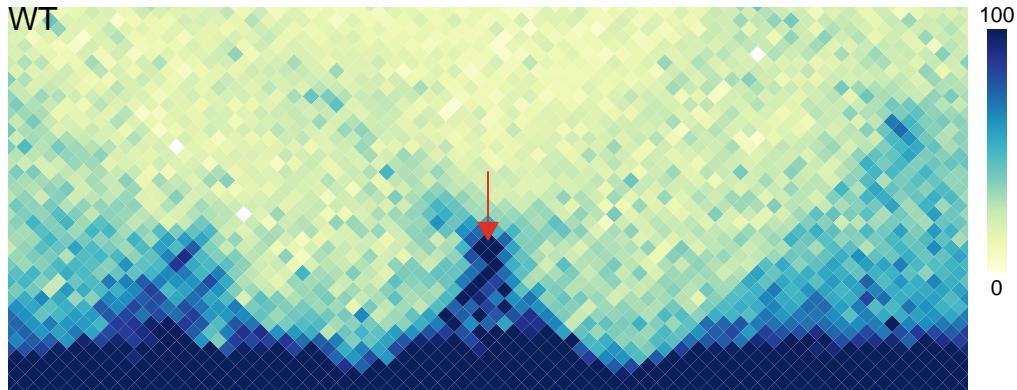
GIT1 SSH2



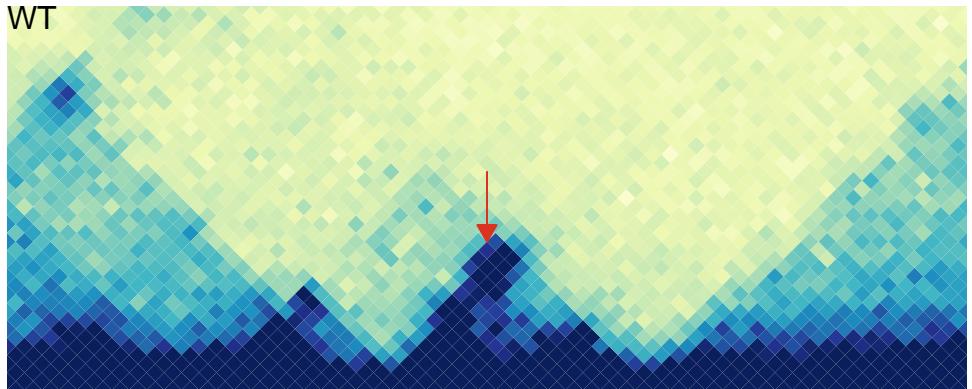
~28.5 Mb

chr17

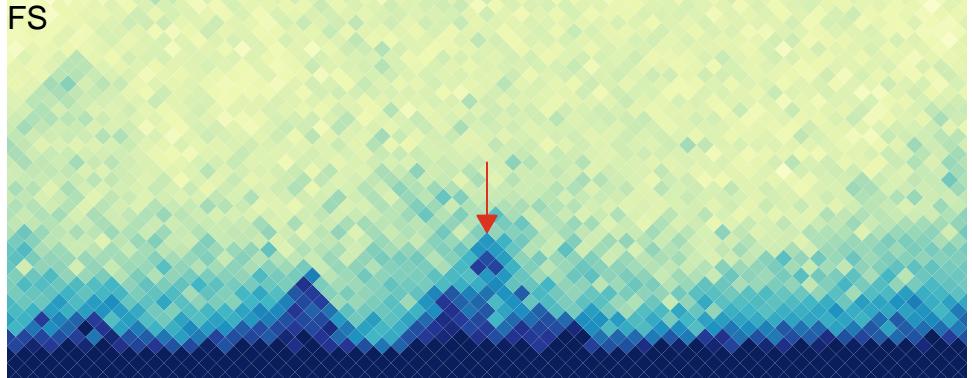
~29.8 Mb



WT



FS



SLC27A4 CERCAM ODF2 GLE1 SPTAN1 SET ENDOG

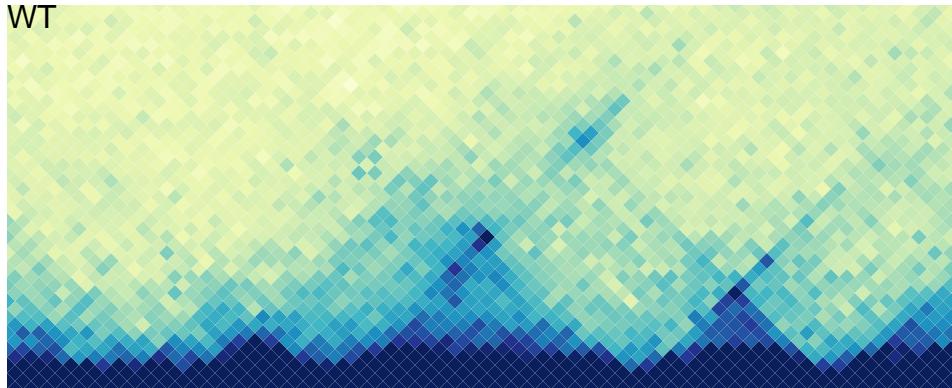


~128.3 Mb

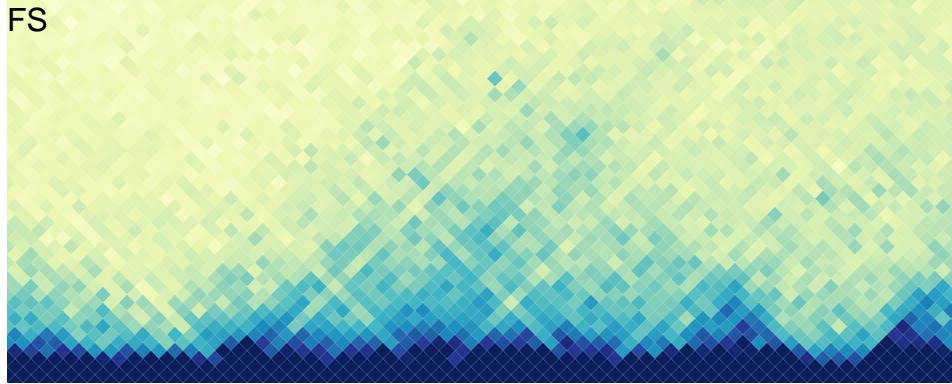
chr9

~128.9 Mb

WT



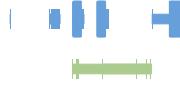
FS



TLE1-DT

SPATA31D5PSPATA31D1

LOC107987087



LOC107987087

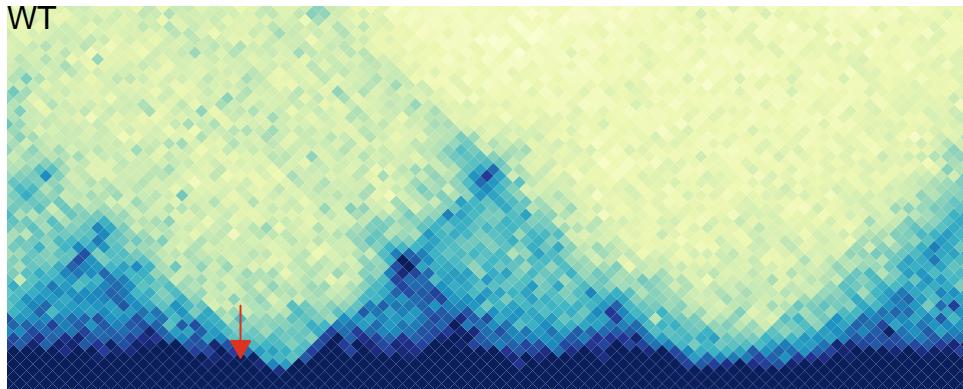
LOC105376108

~81.7 Mb

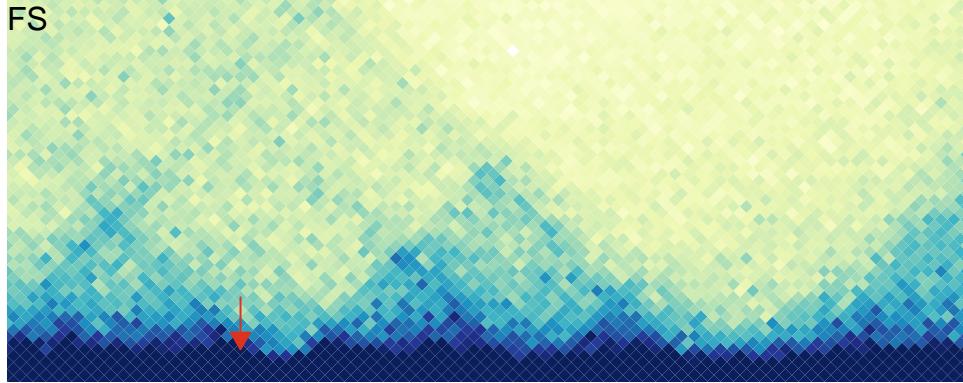
chr9

~82.3 Mb

WT



FS



ATXN1-AS1

STMND1

+

-

ATXN1

LOC107986573

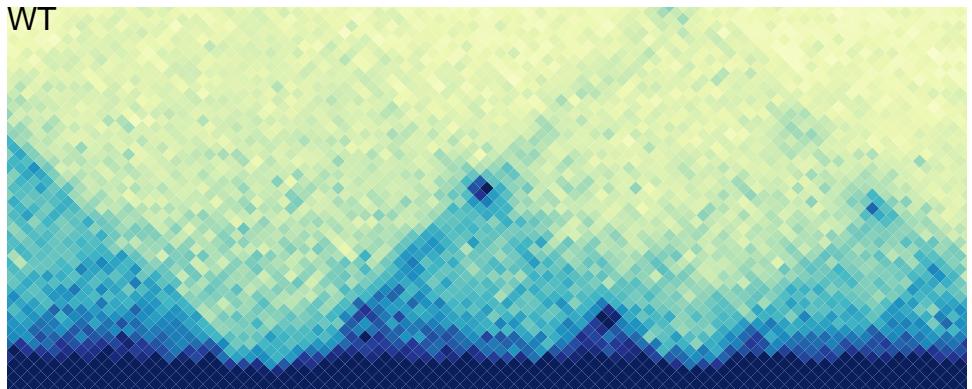
LOC101928463

~16.6 Mb

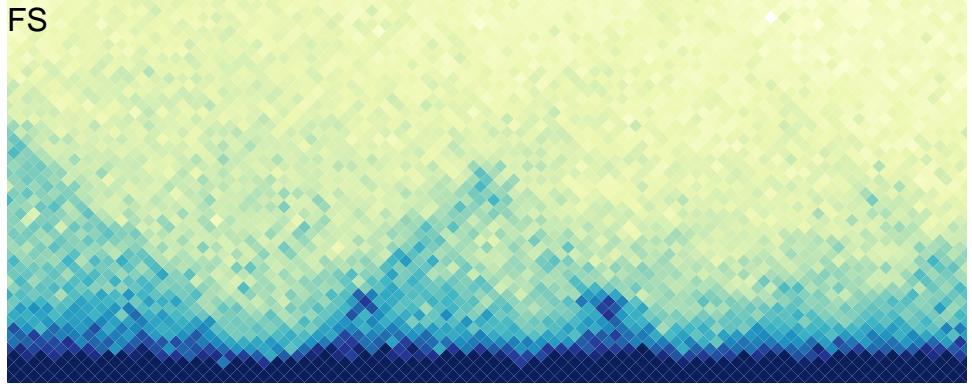
chr6

17.3 Mb

WT



FS



SLC6A11

SLC6A1

HRH1

+



-

ATP2B2

LINC00606

SLC6A1-AS1

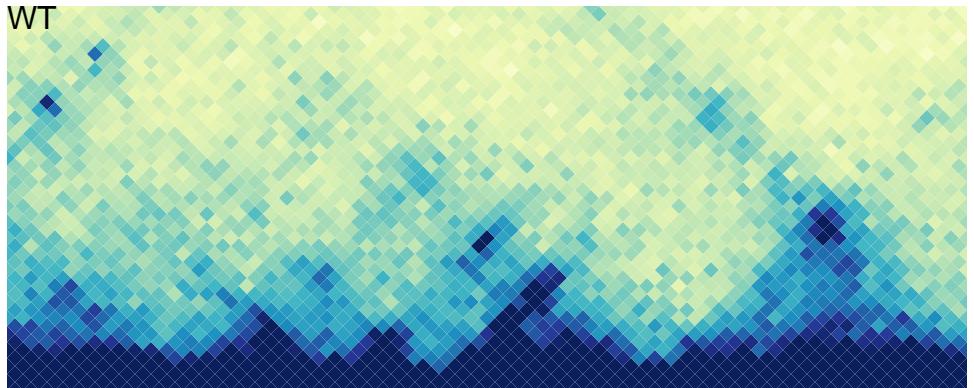
LOC102723663

10.6 Mb

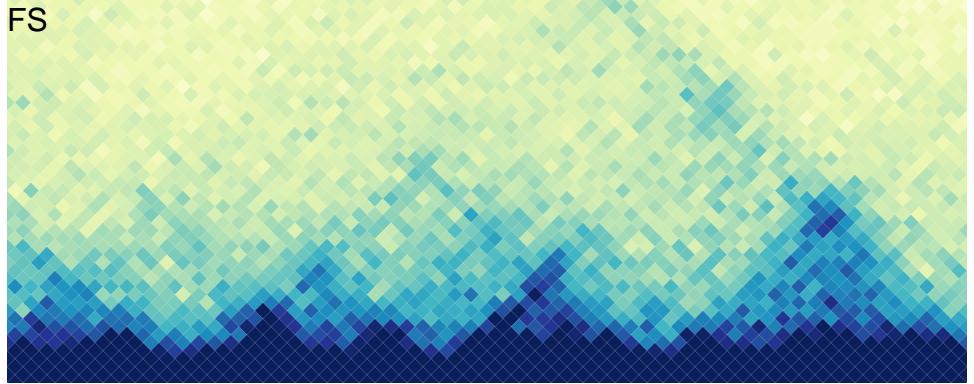
chr3

~11.3 Mb

WT



FS



JMJD1C-AS1

REEP3LOC101929846

LOC124902438

LOC124902439

+

-

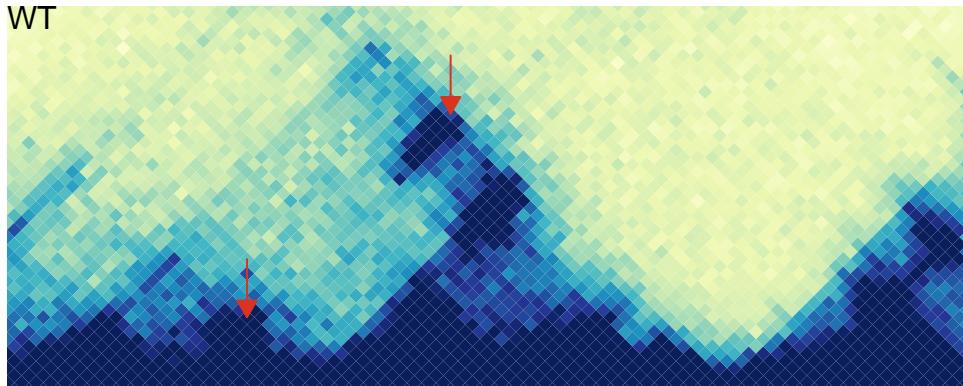
JMJD1C

~63.4 Mb

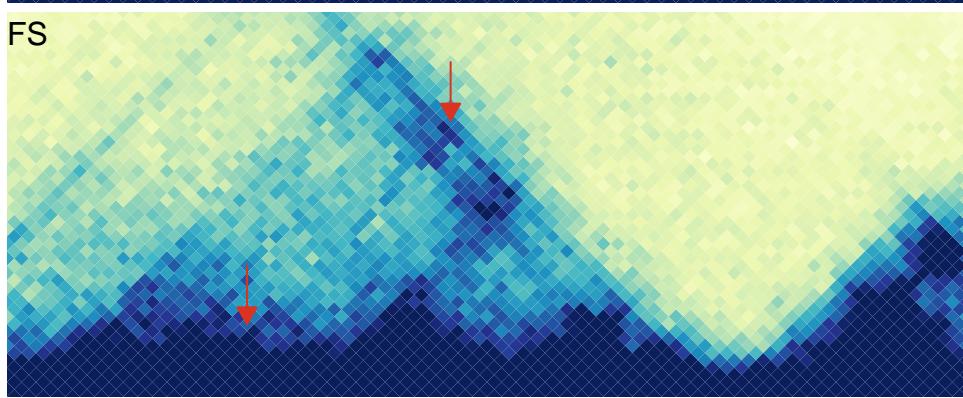
chr10

~64 Mb

WT



FS



LRRC37A



ARL17B



LRRC37A2NSF



ARL17A



LOC101929777



~46.2 Mb

chr17

~46.9 Mb