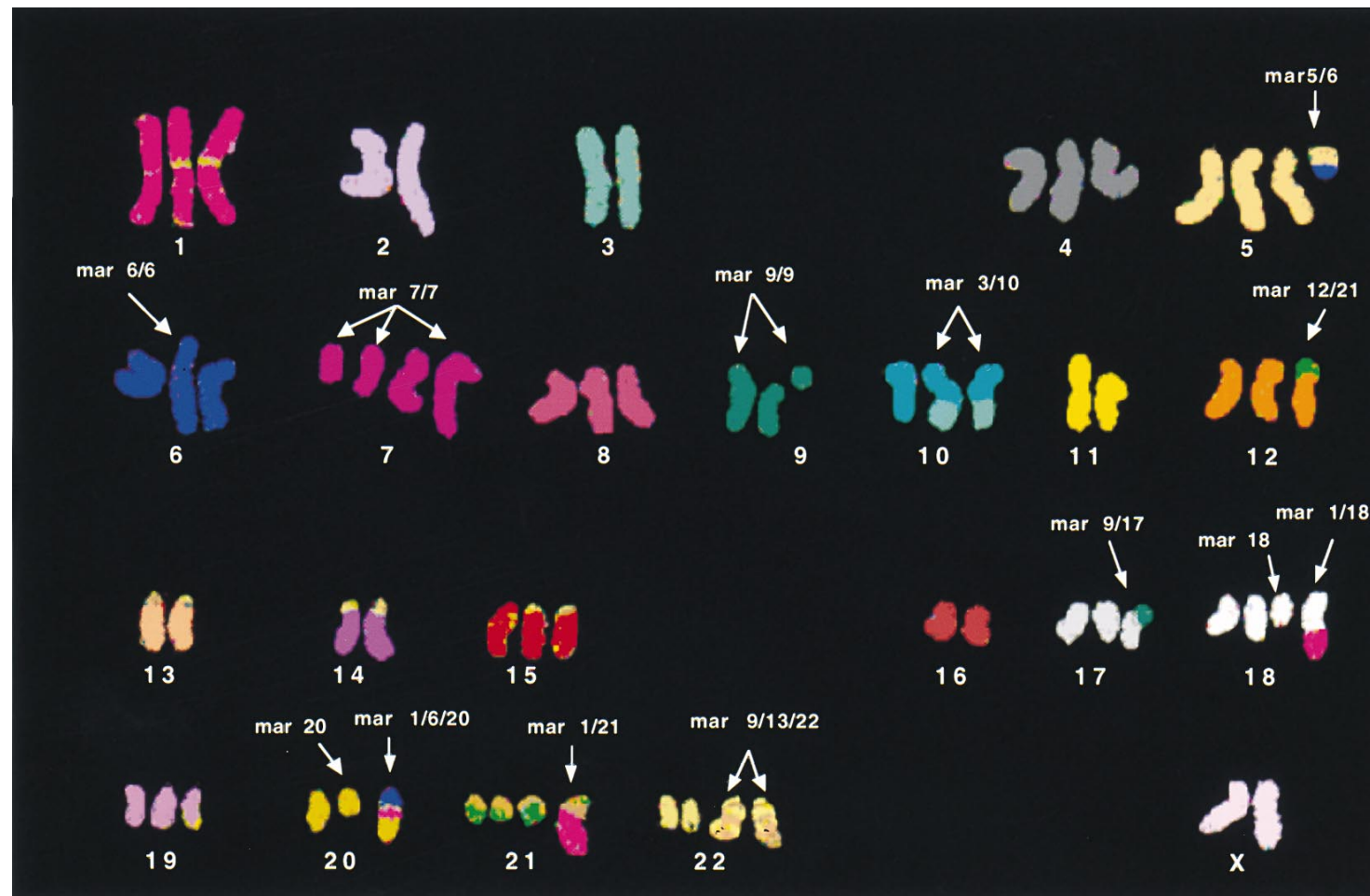
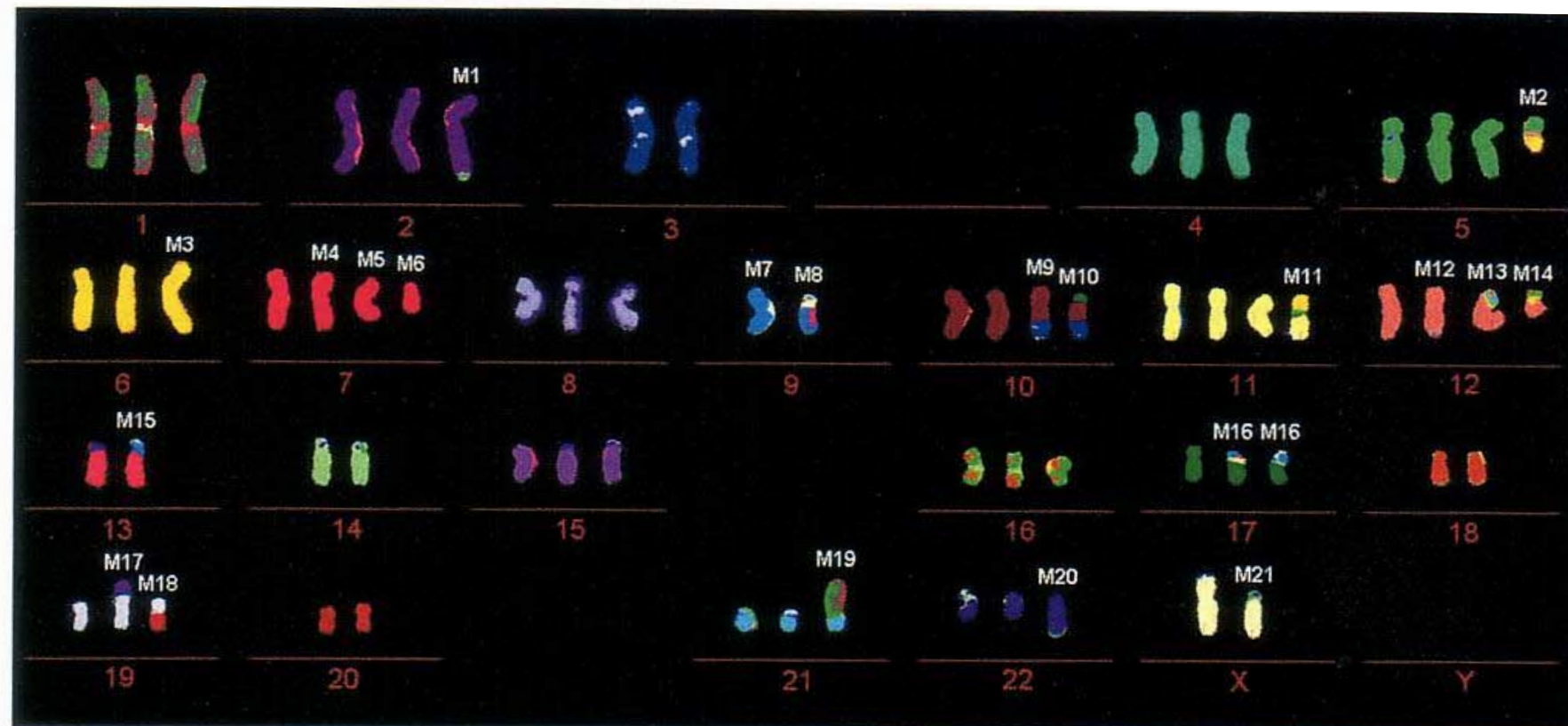


K-562: cytogenetic karyotypes

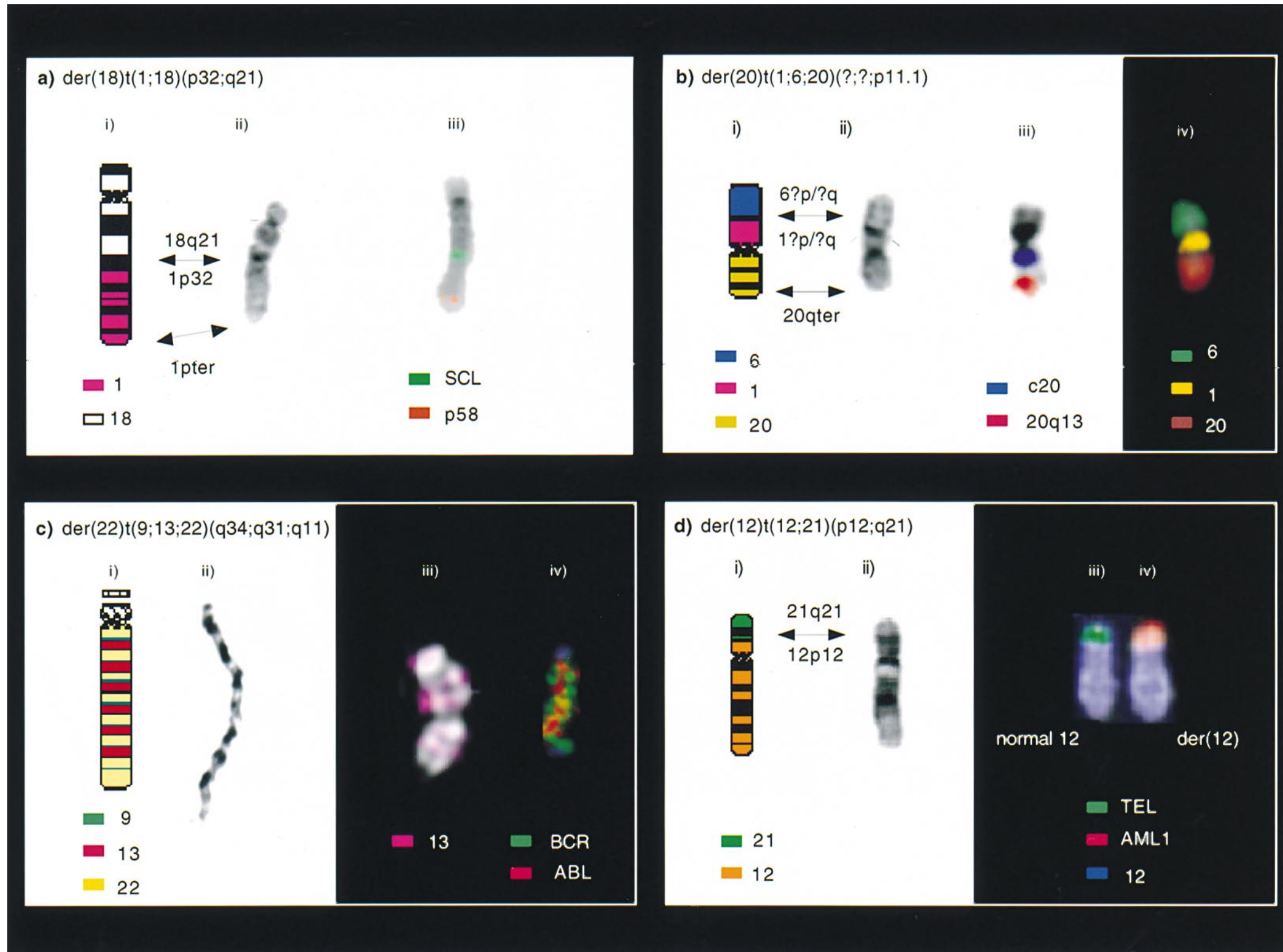
Gribble et al. Cancer Genetics and Cytogenetics, 2000.



Naumann et al. Leukemia Research, 2001.



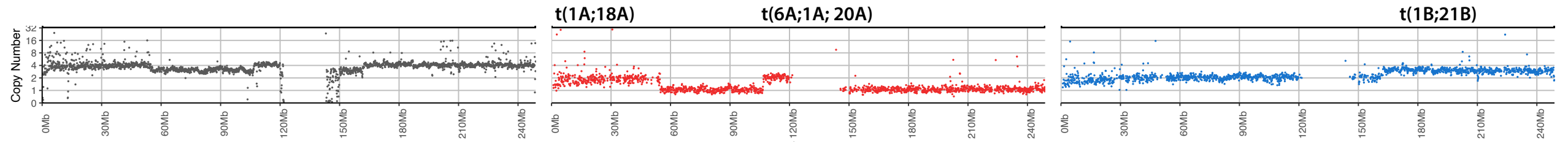
Selected marker chromosomes



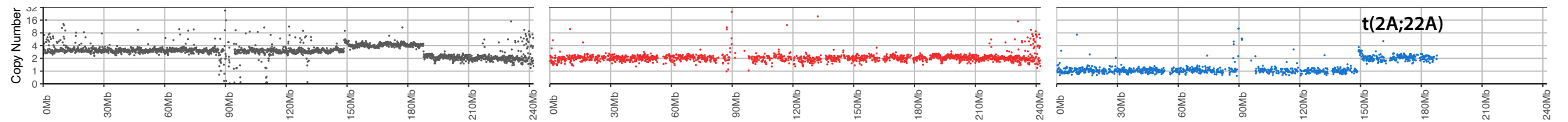
**Chromosomal copy
number**

Chromosomal copy number

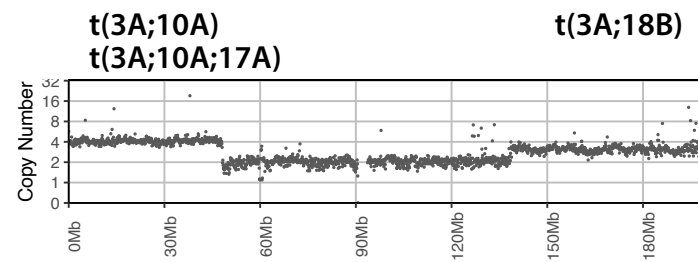
Chr1



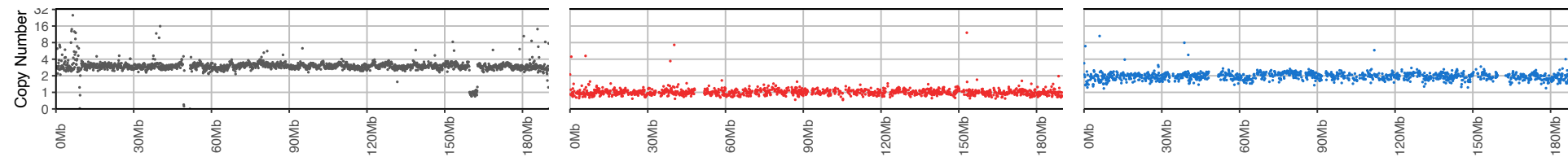
Chr2



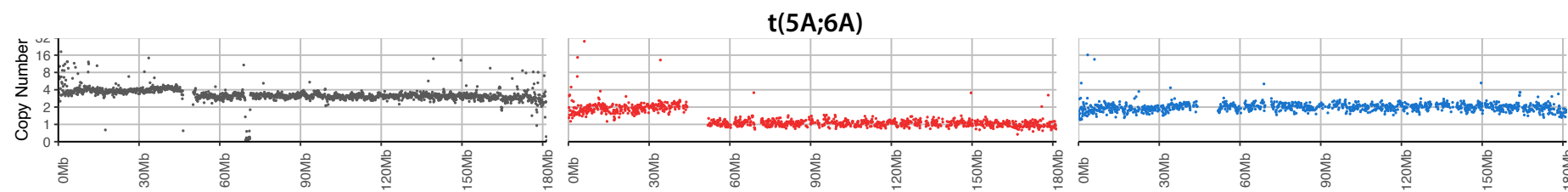
Chr3



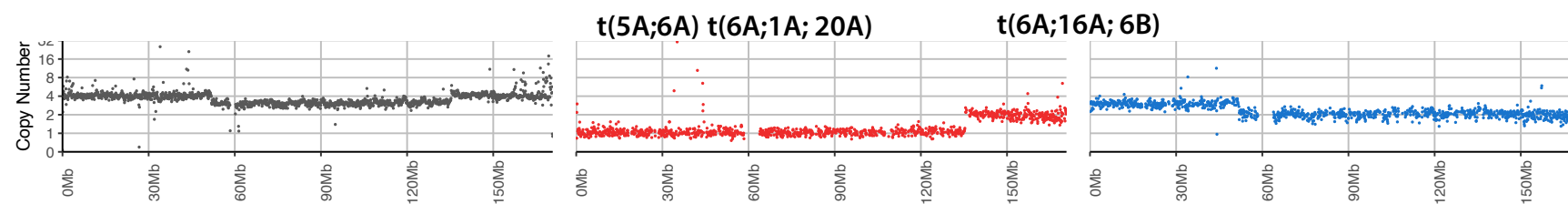
Chr4



Chr5

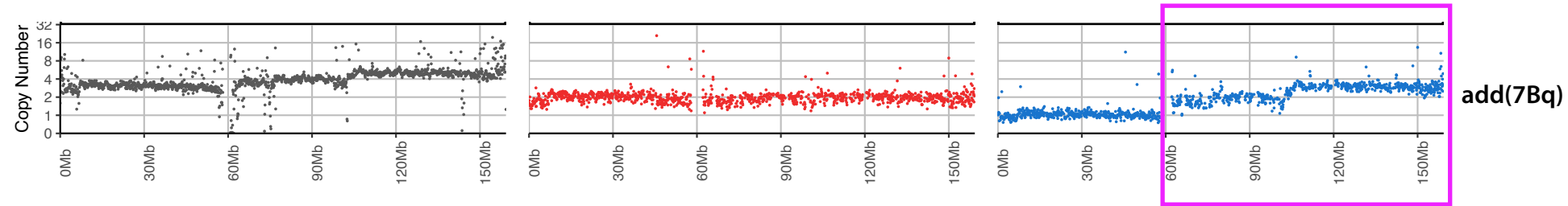


Chr6

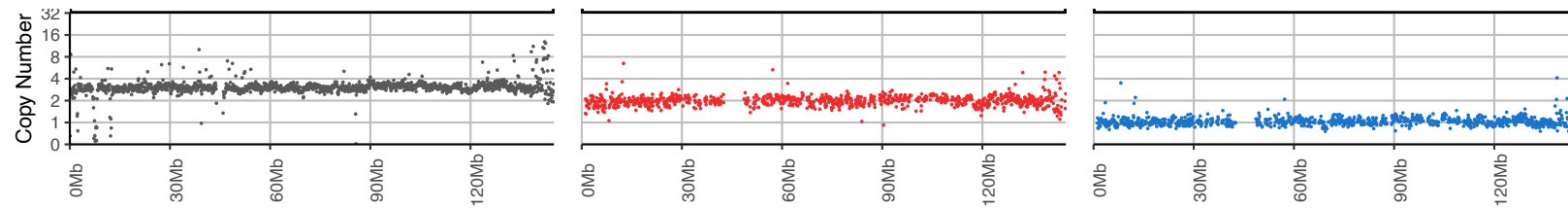


Chromosomal copy number

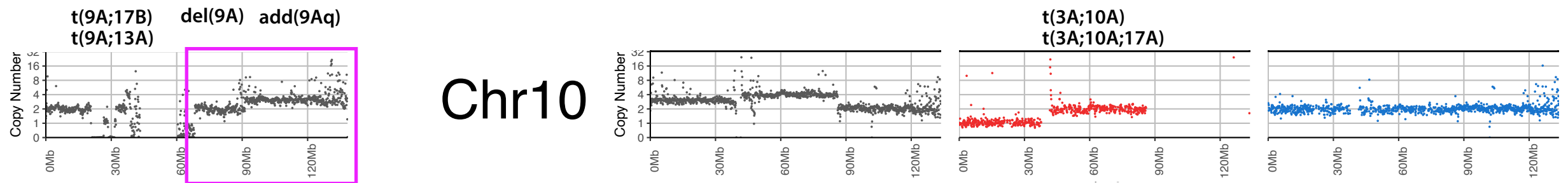
Chr7



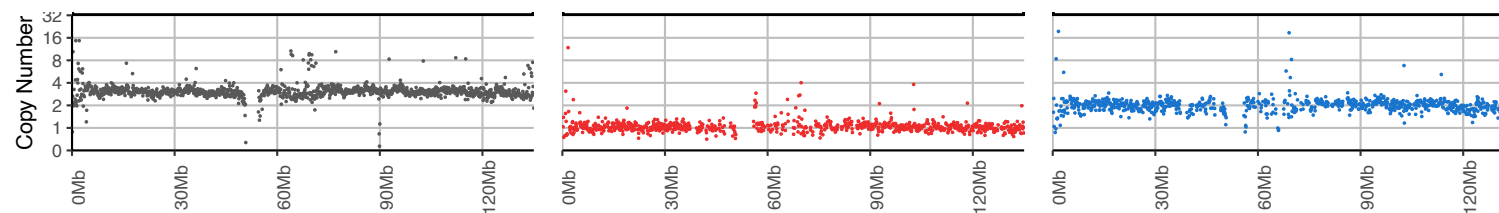
Chr8



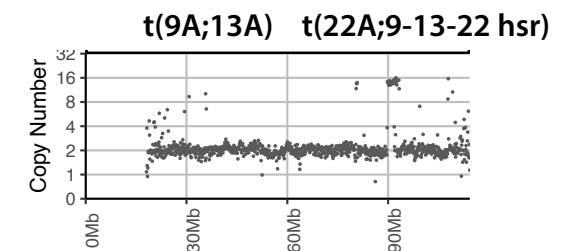
Chr9



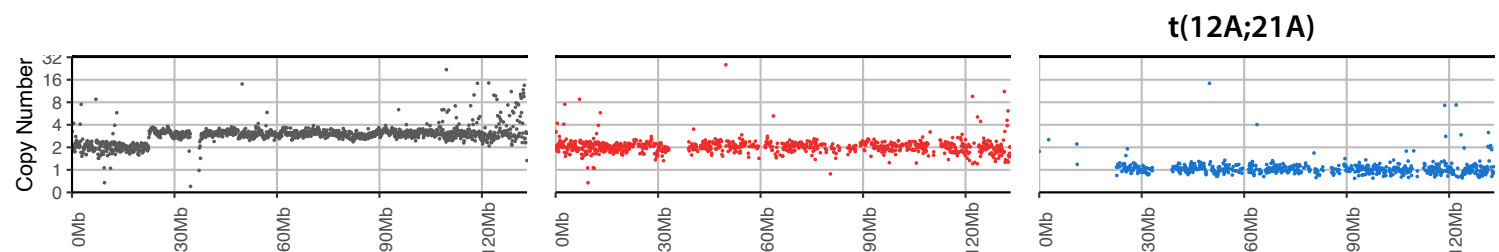
Chr11



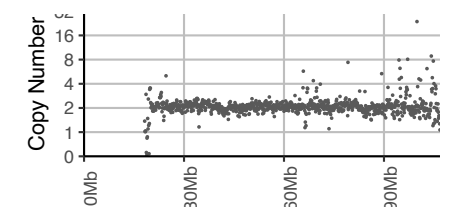
Chr13



Chr12

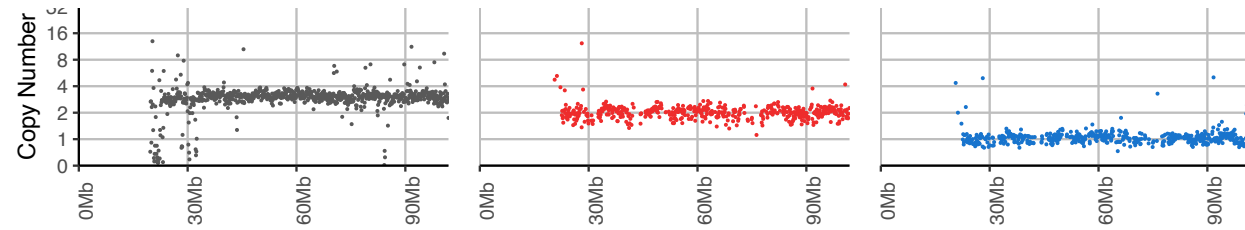


Chr14

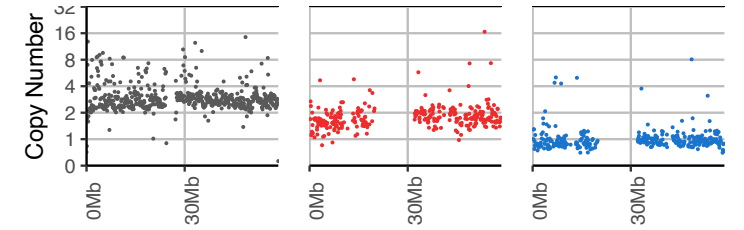


Chromosomal copy number

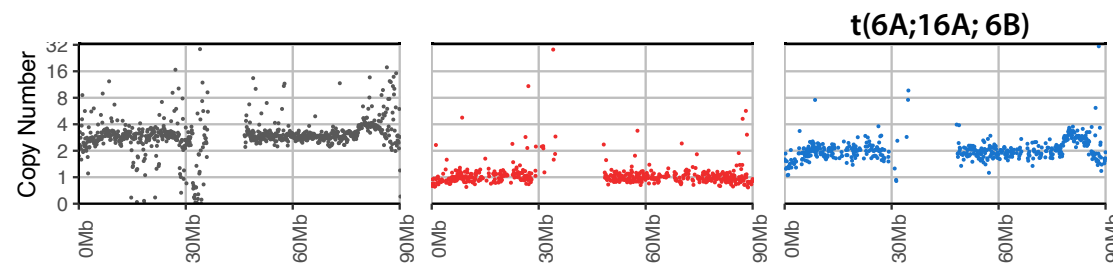
Chr15



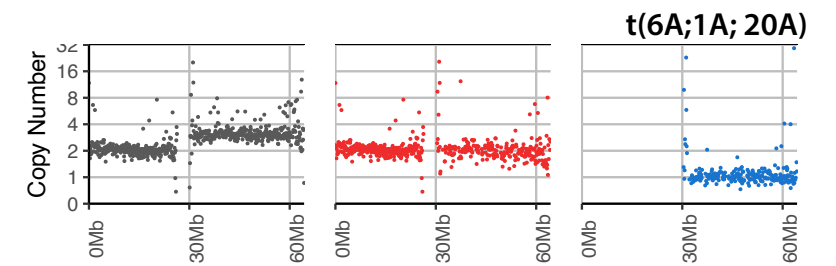
Chr19



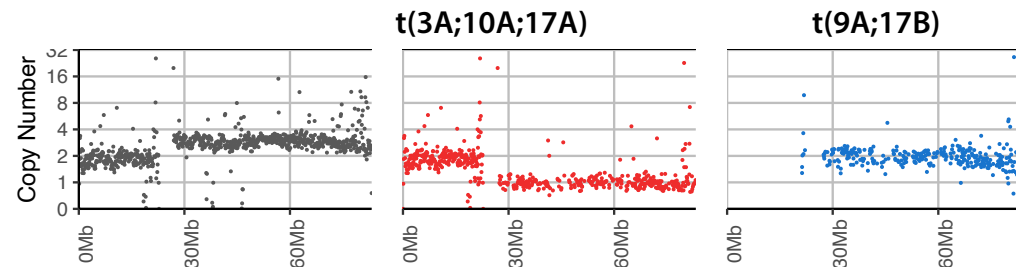
Chr16



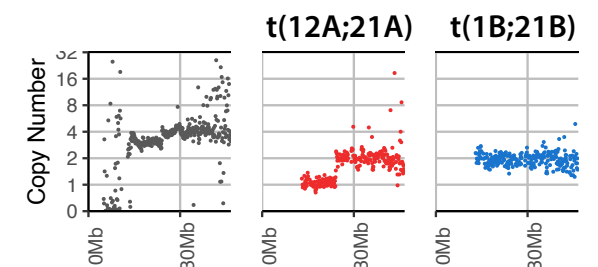
Chr20



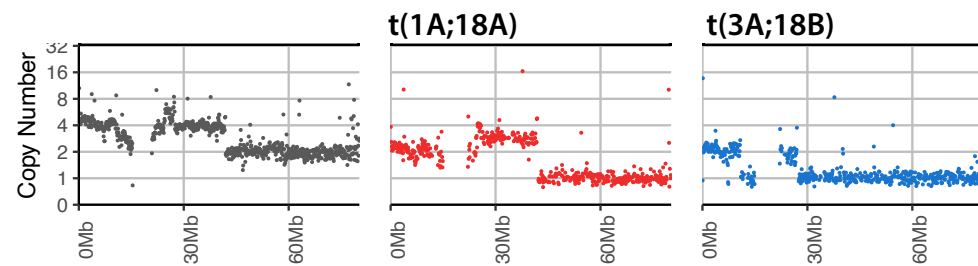
Chr17



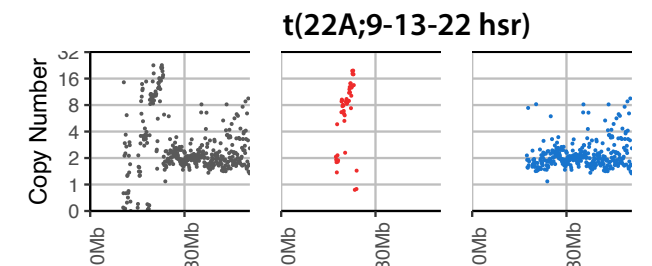
Chr21



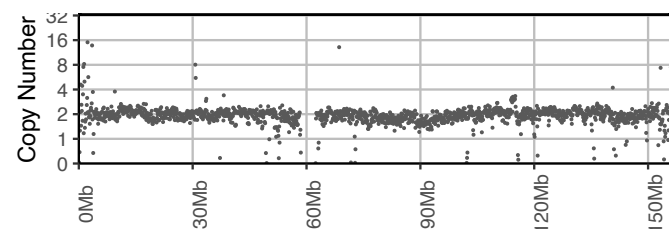
Chr18



Chr22

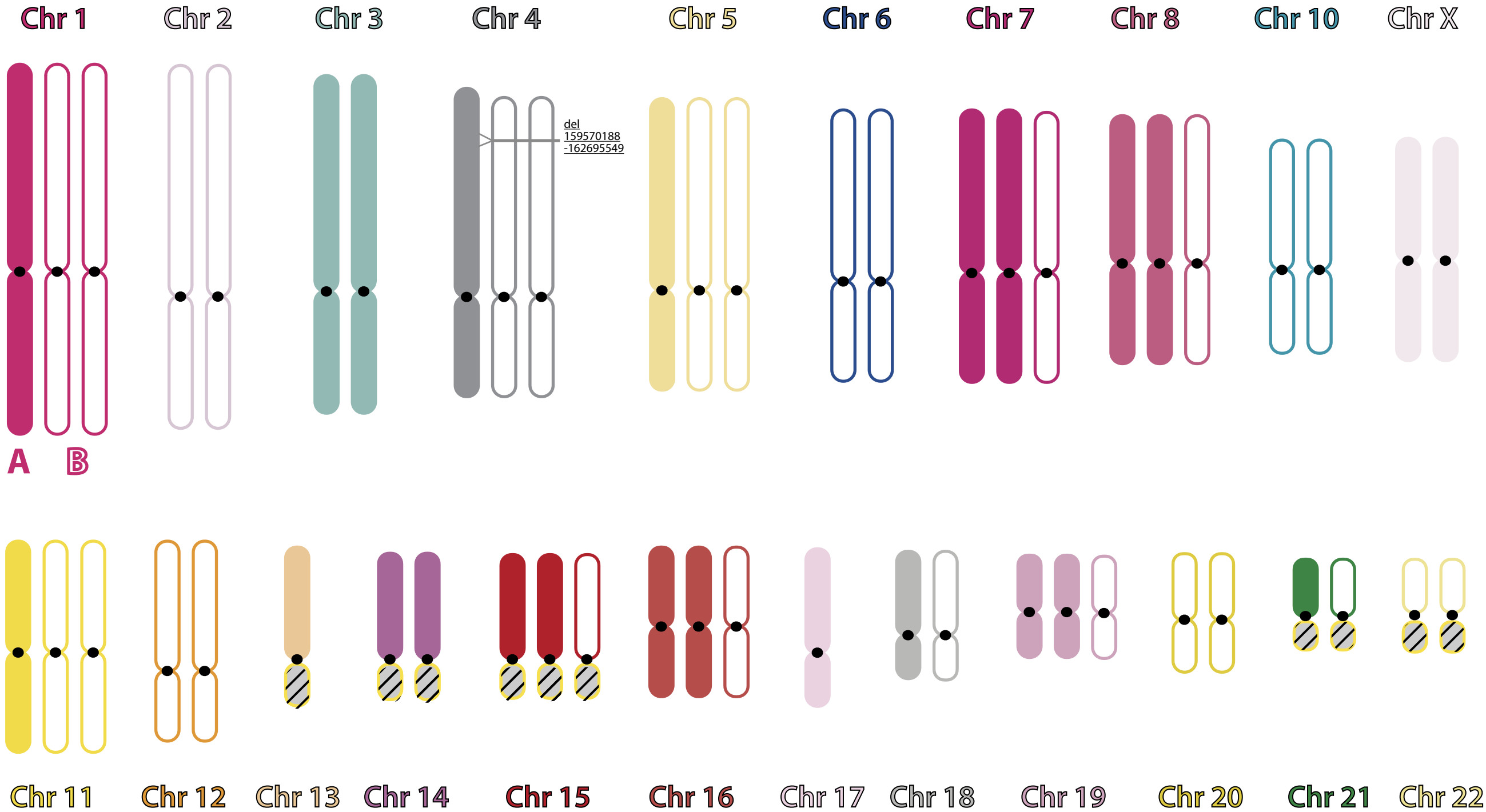


ChrX

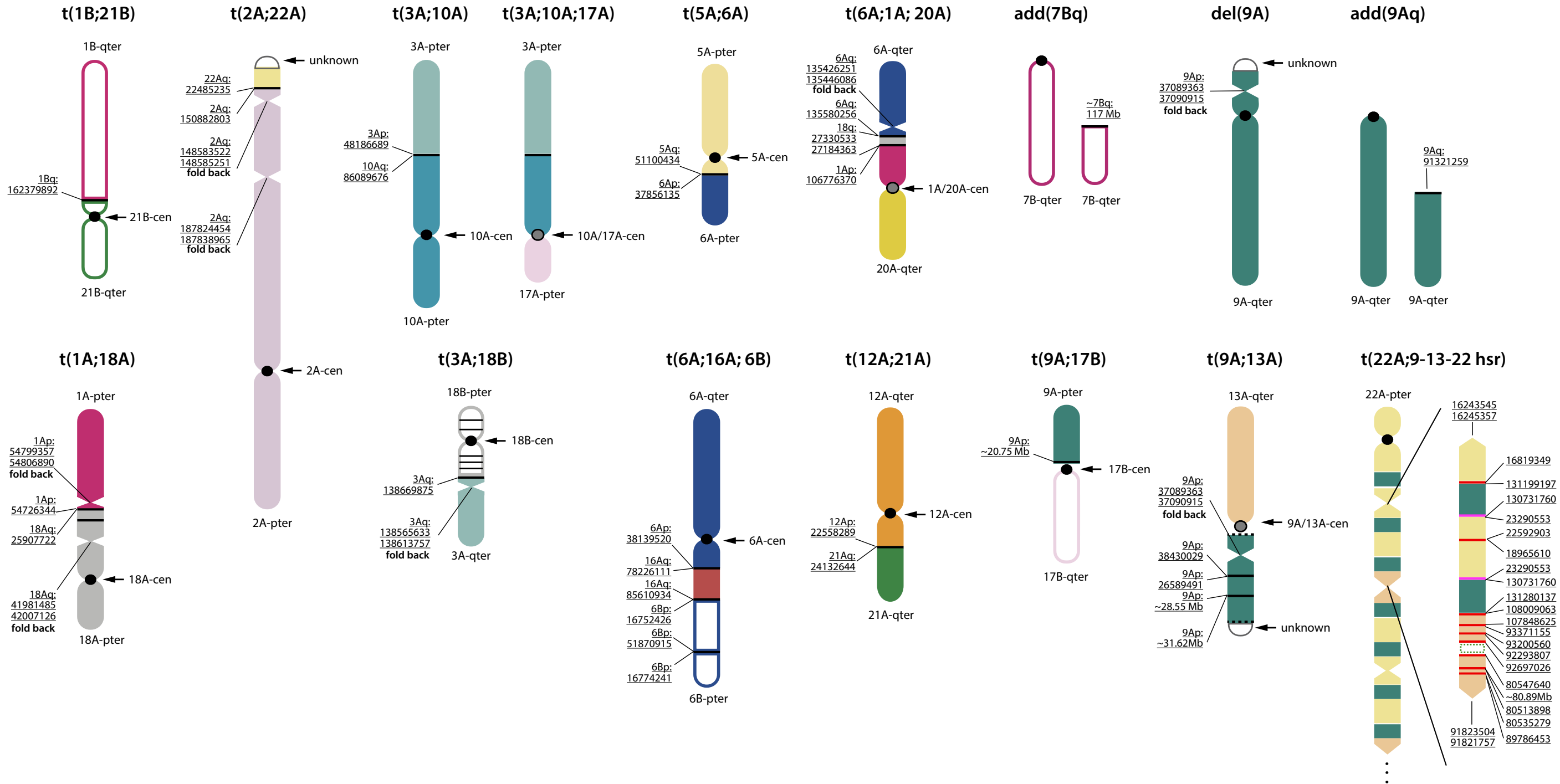


Digital karyotype

Structurally normal chromosomes

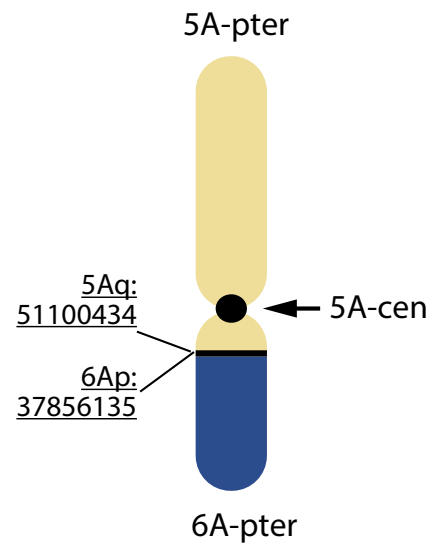


Marker chromosomes



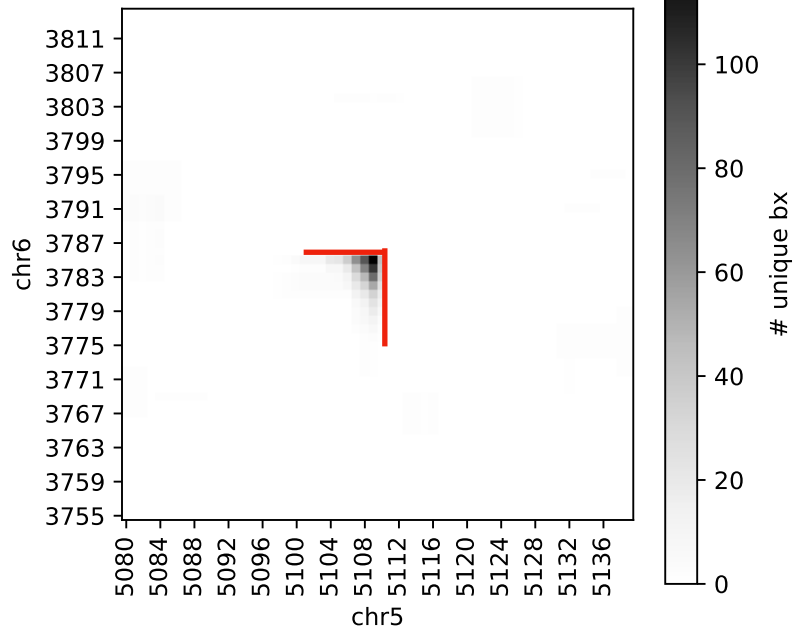
**Marker chromosomes
with completely resolved
translocations**

t(5A;6A)



10X

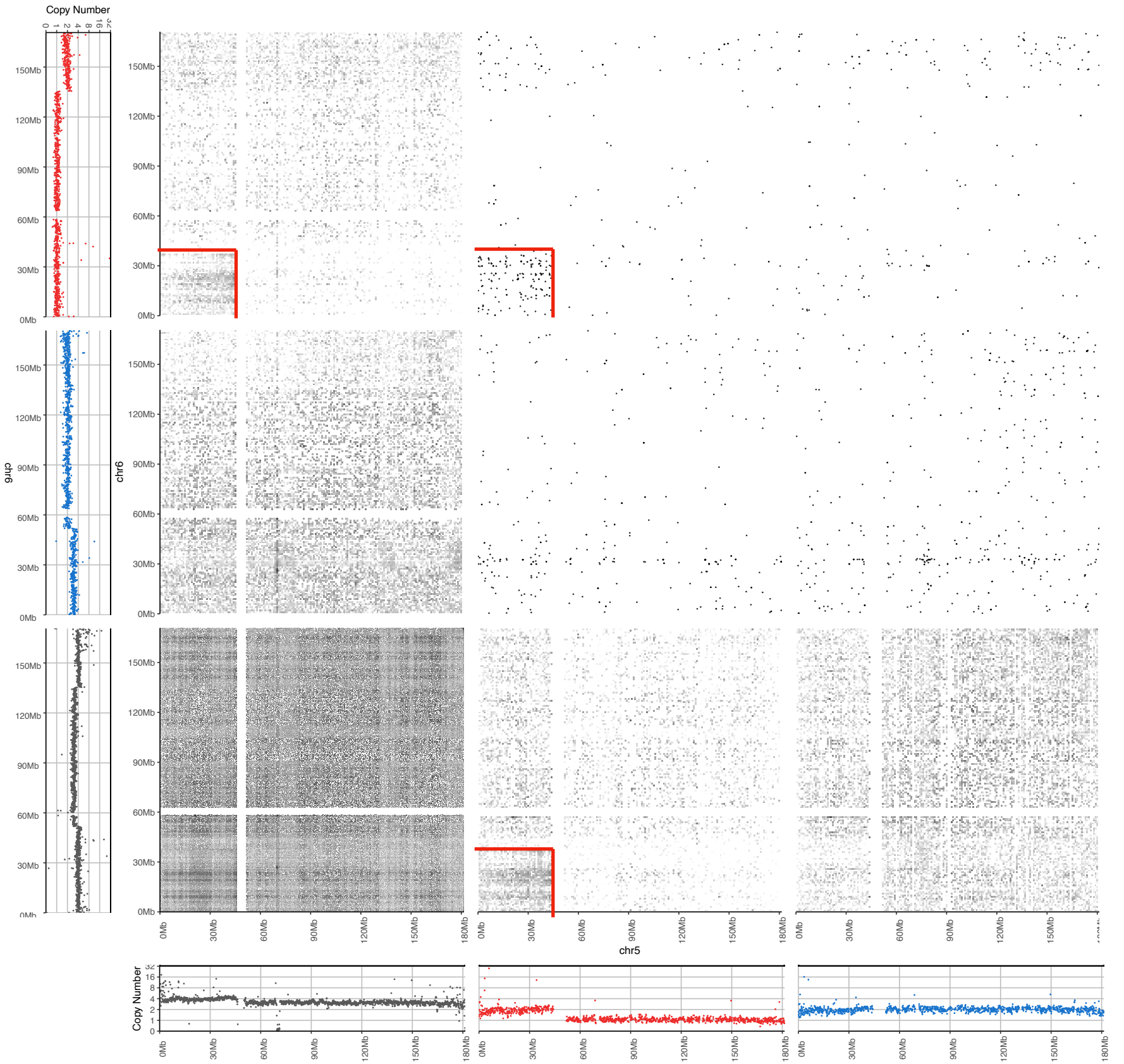
chr5_51100434---chr6_37856135



A

B

Chr6



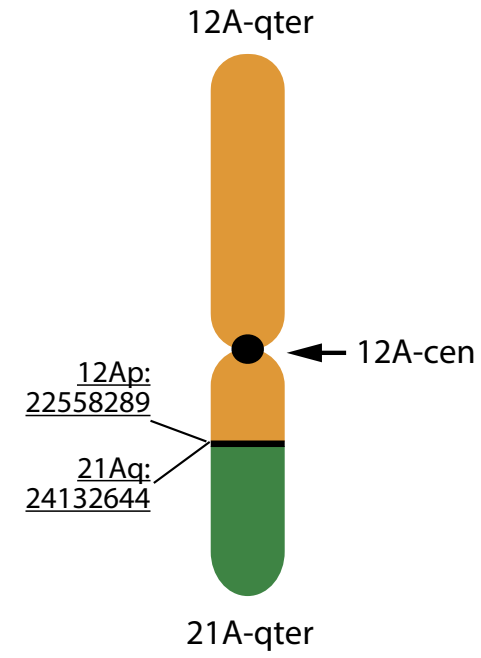
Chr5

A

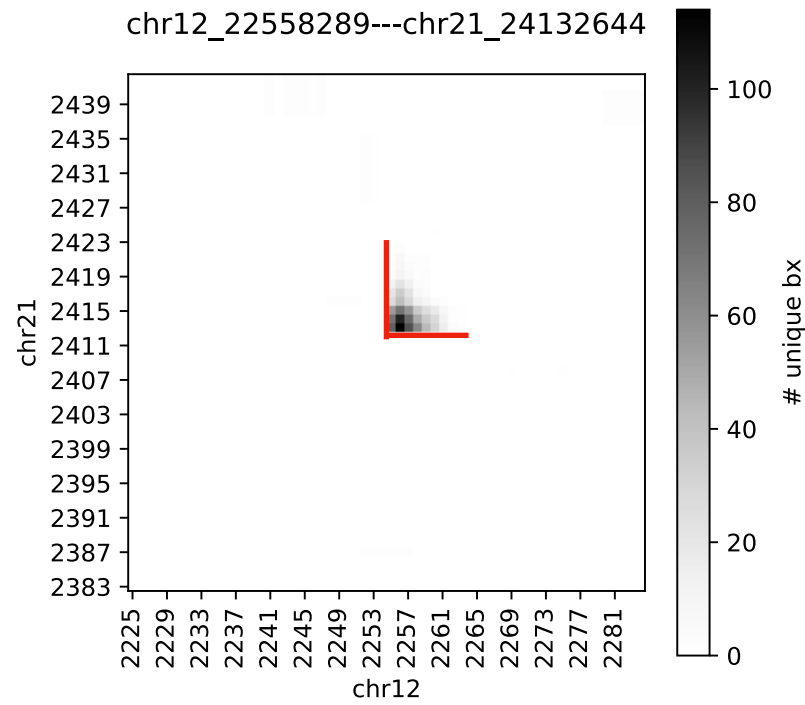
B

HiC

t(12A;21A)



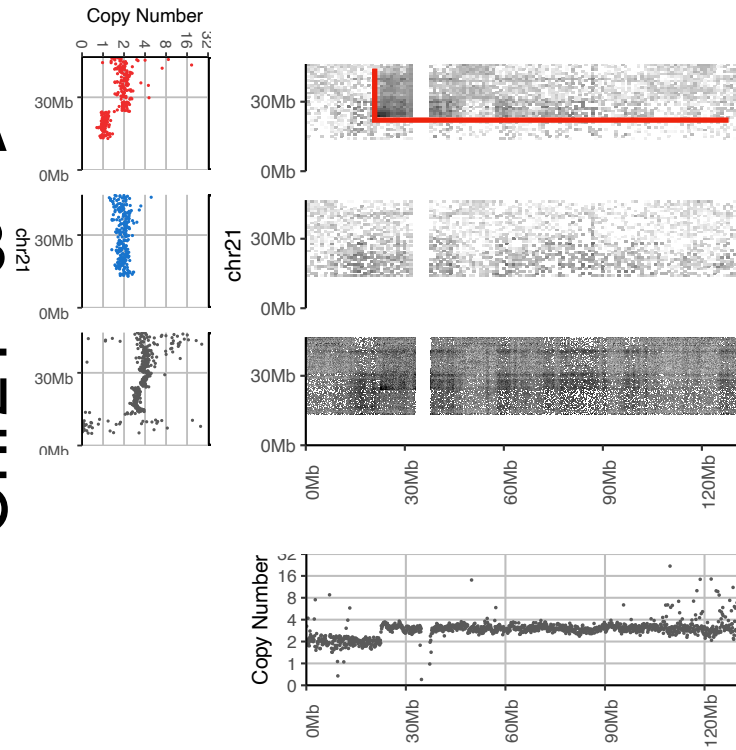
10X



A

B

Chr21

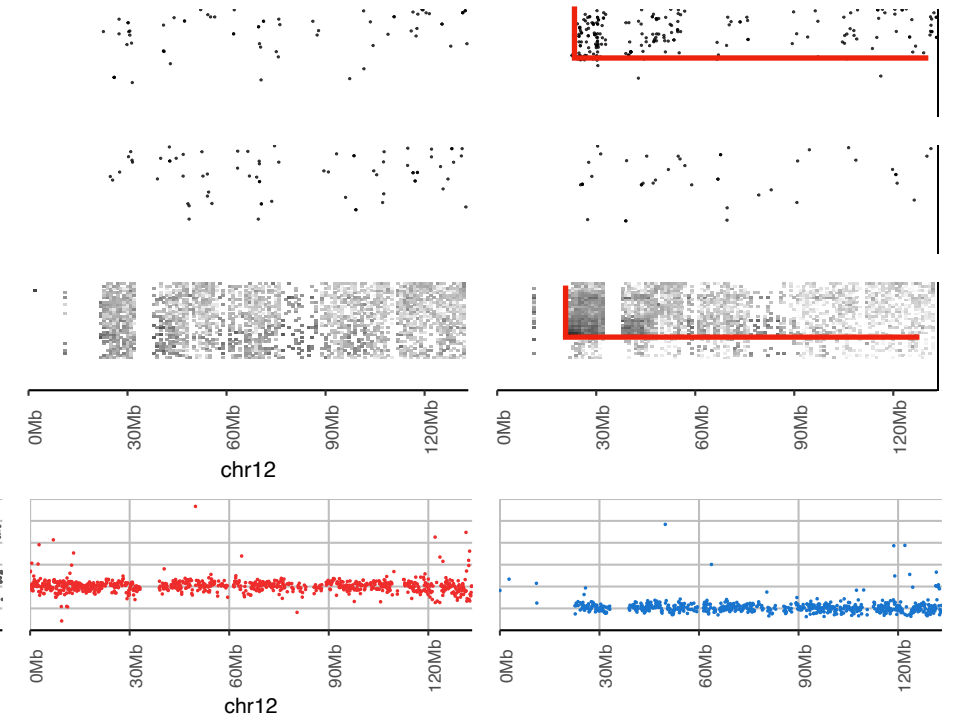


Chr12

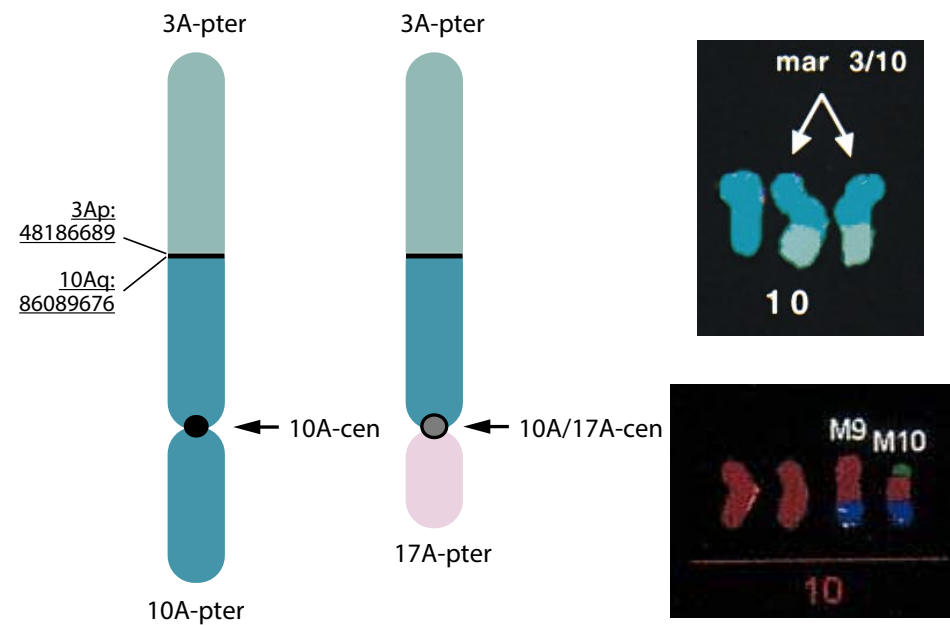
B

A

HiC

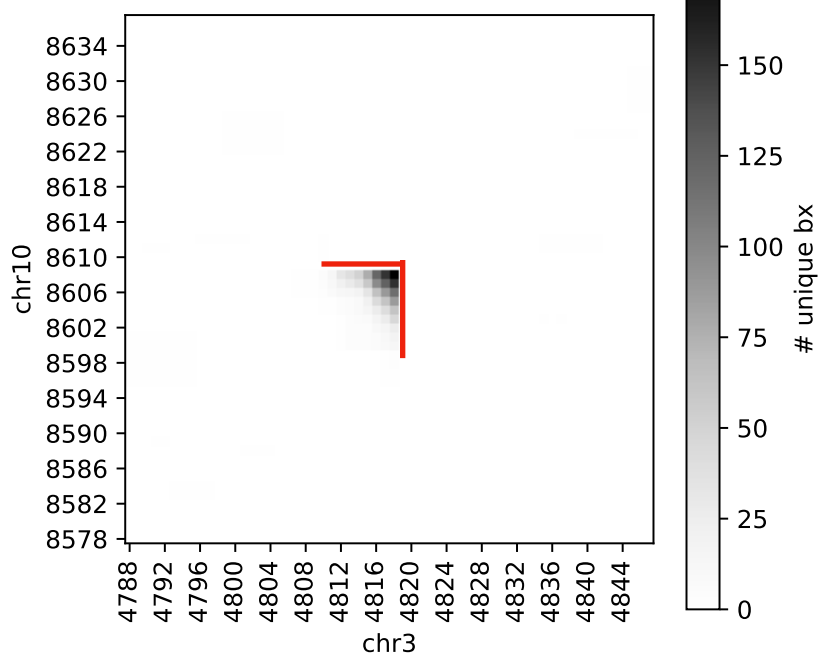


t(3A;10A) t(3A;10A;17A)



10X

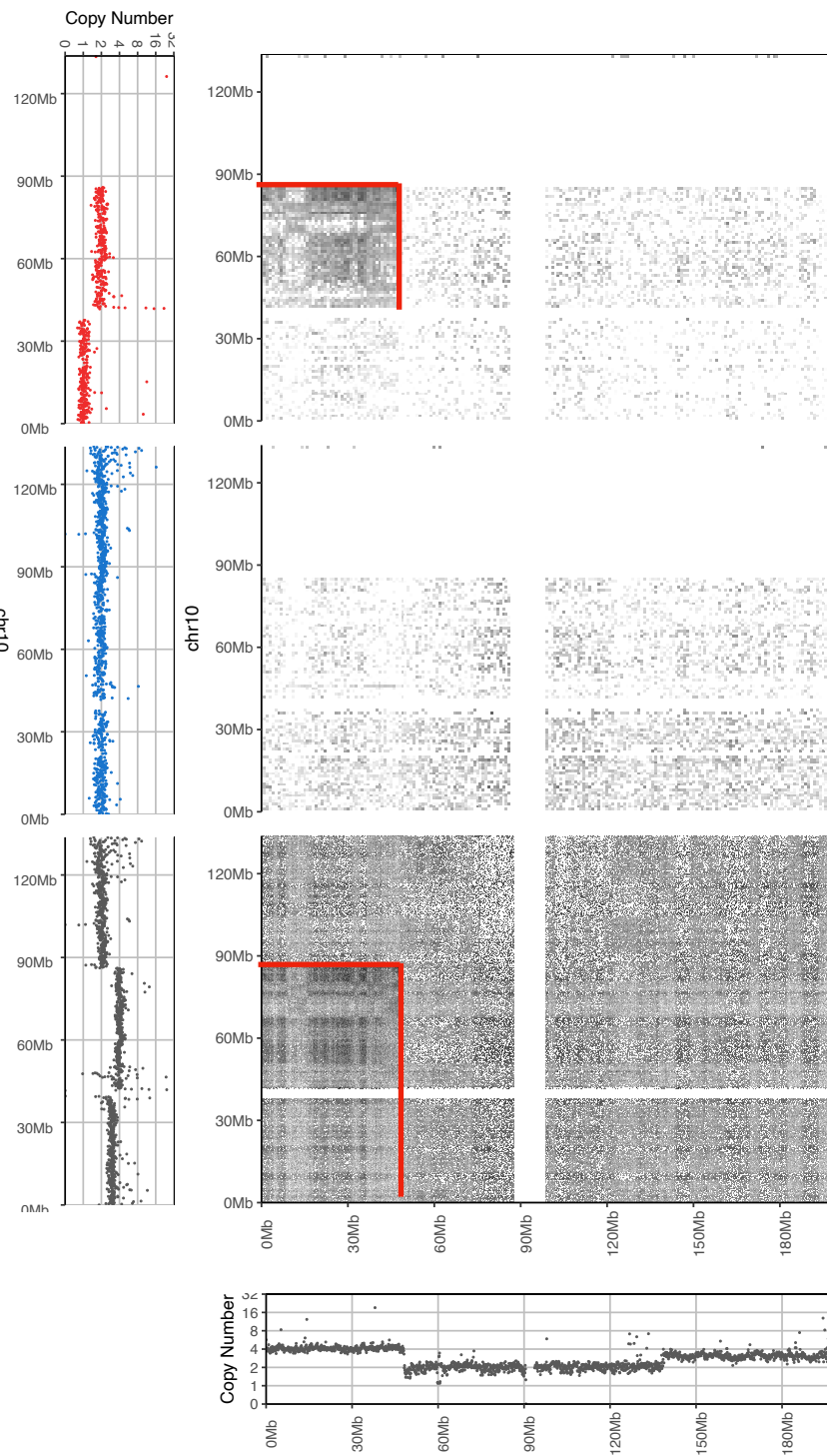
chr3_48186689---chr10_86089676



A

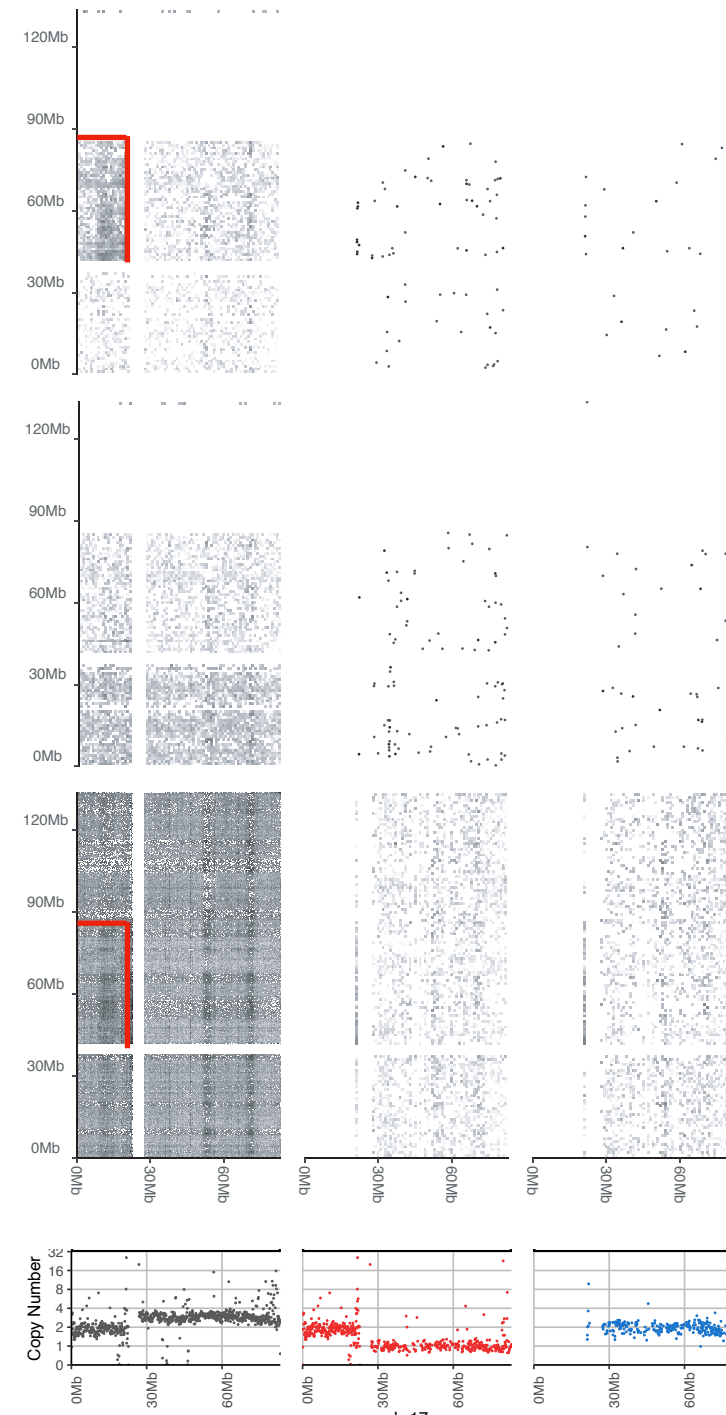
B

Chr10



Chr3A

HiC

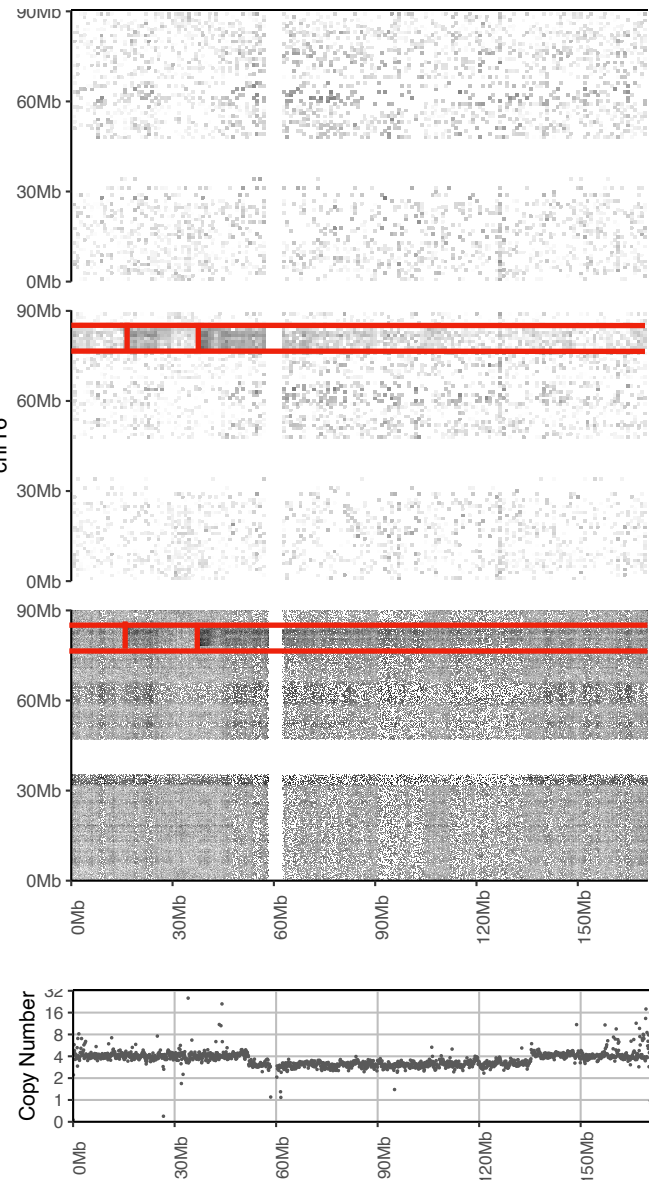
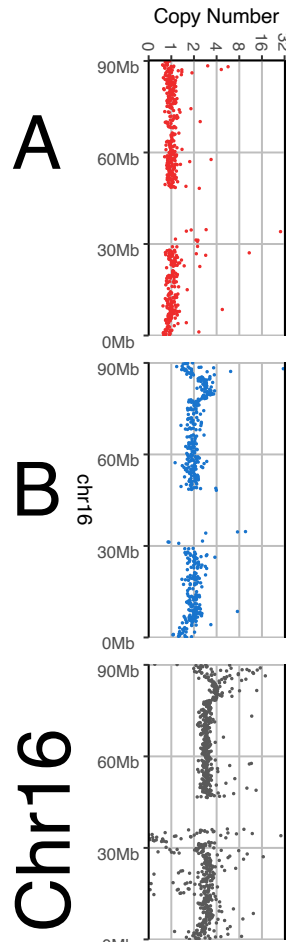
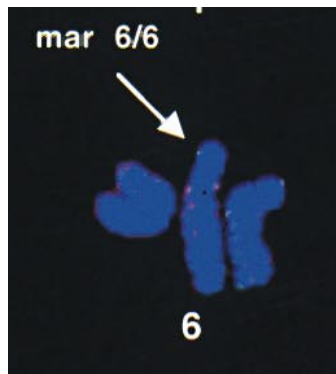
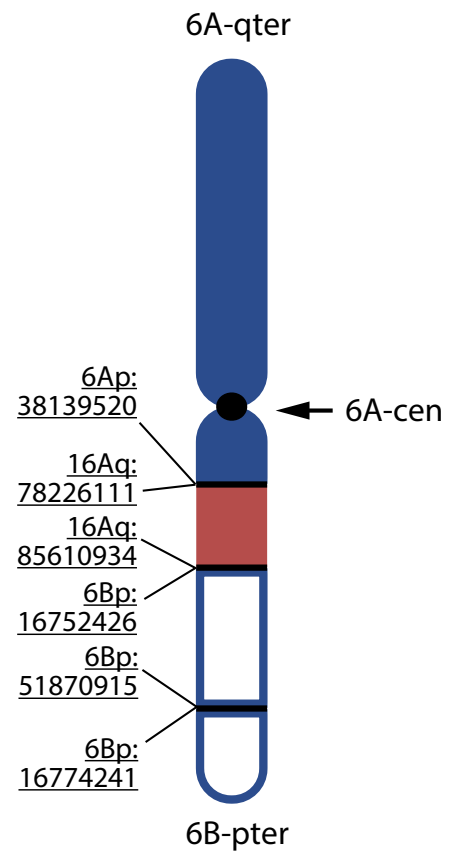


Chr17

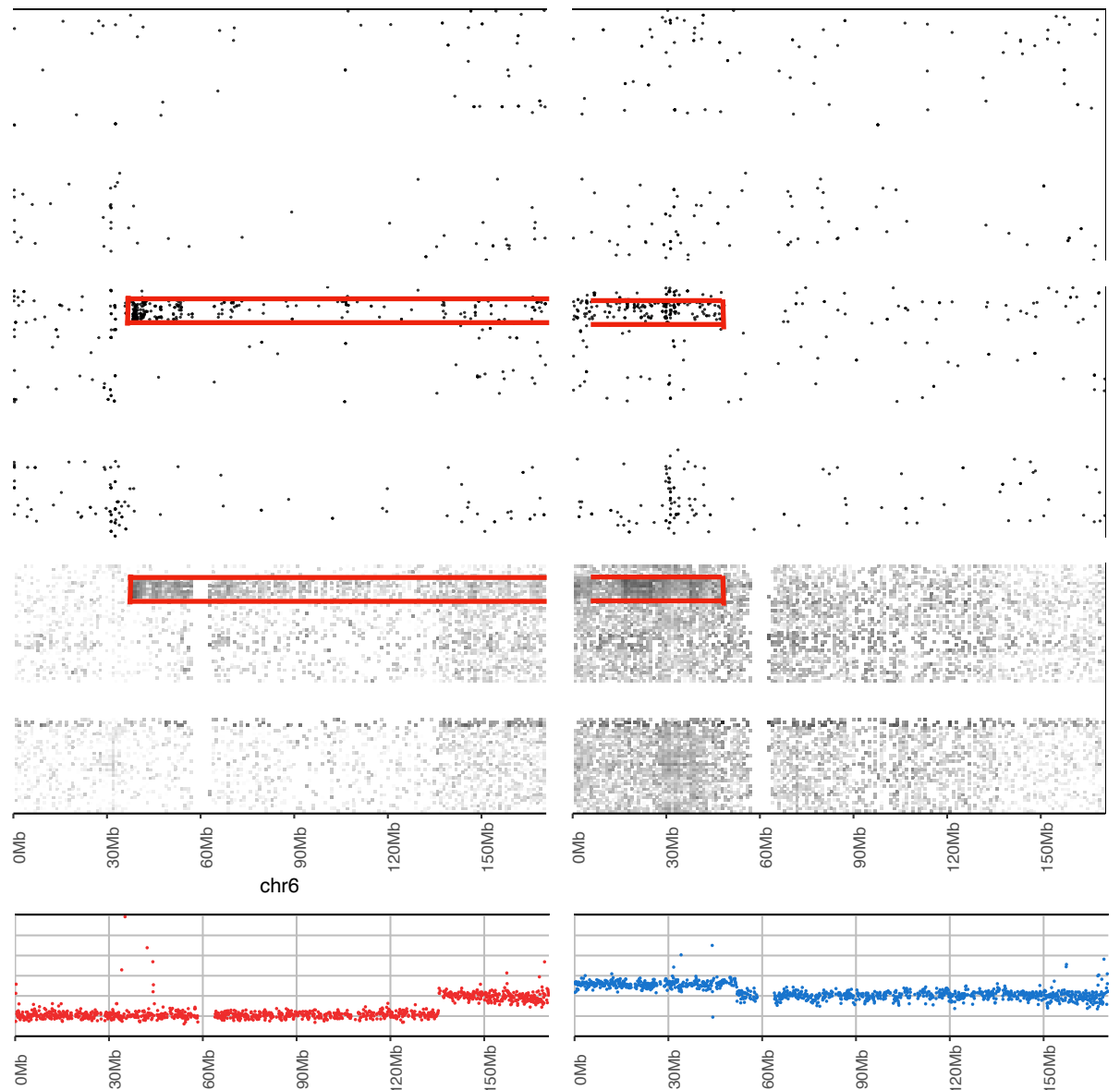
A

B

t(6A;16A; 6B)



HiC



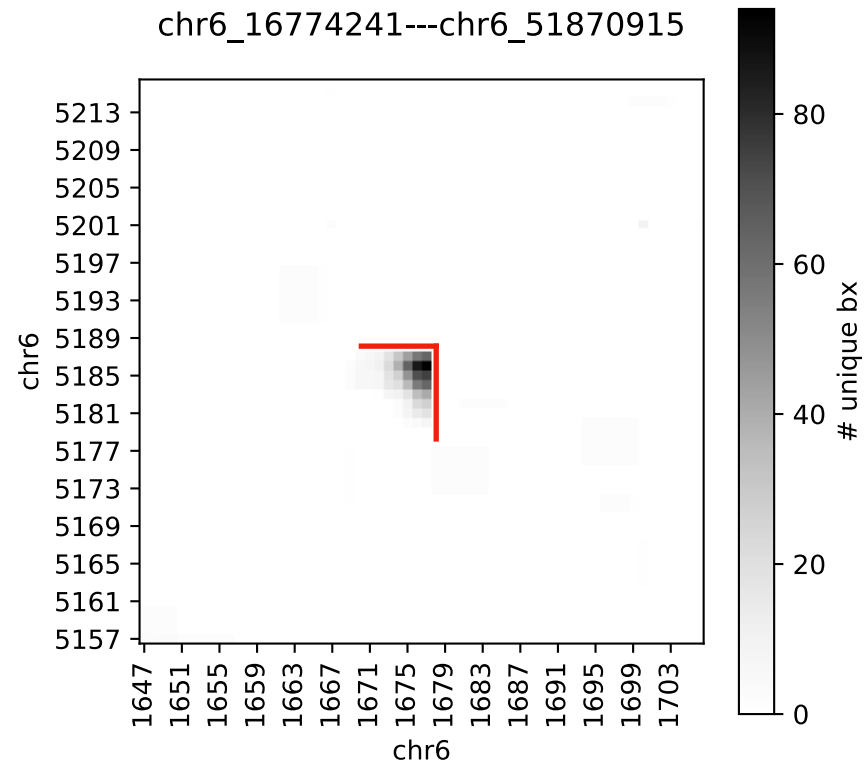
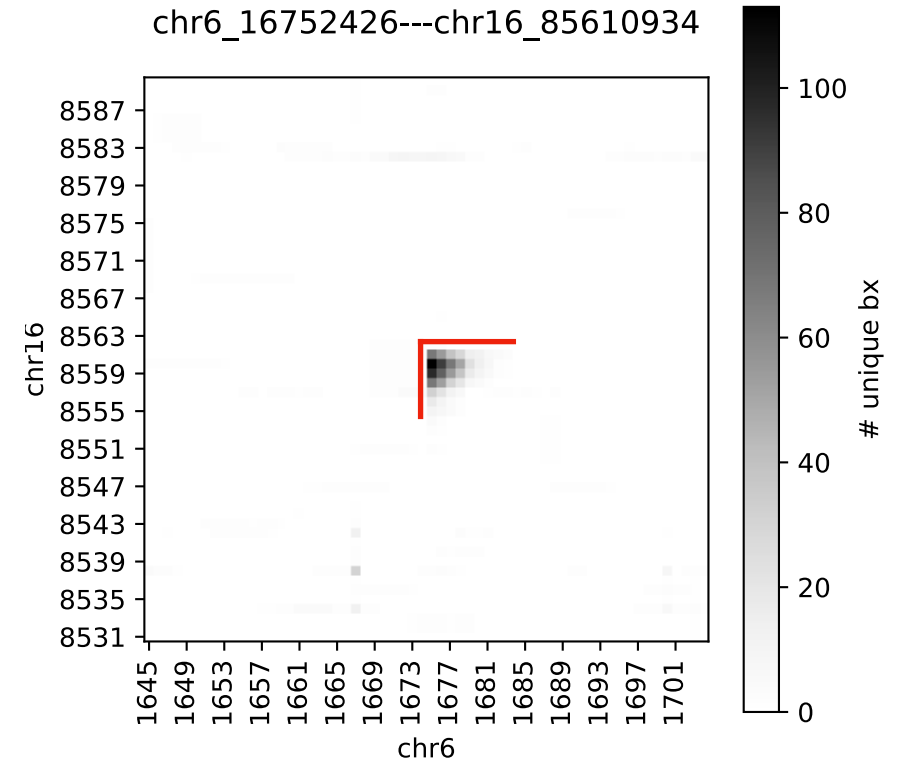
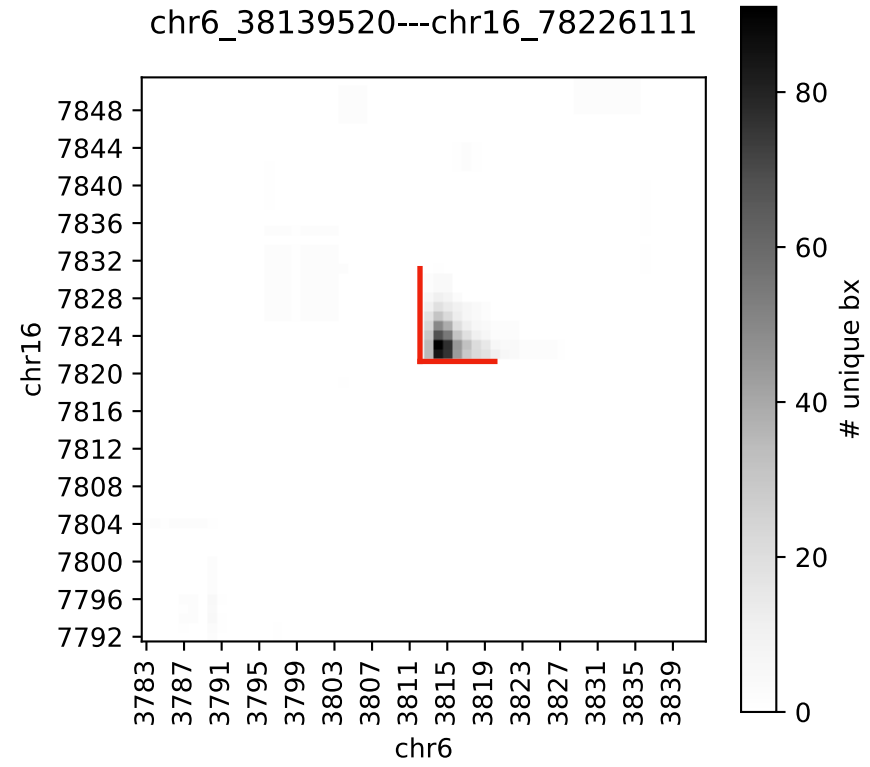
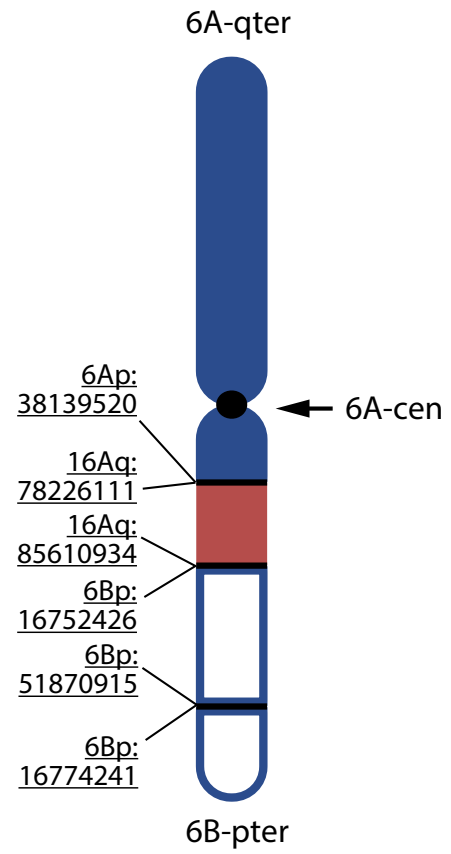
Chr6

A

B

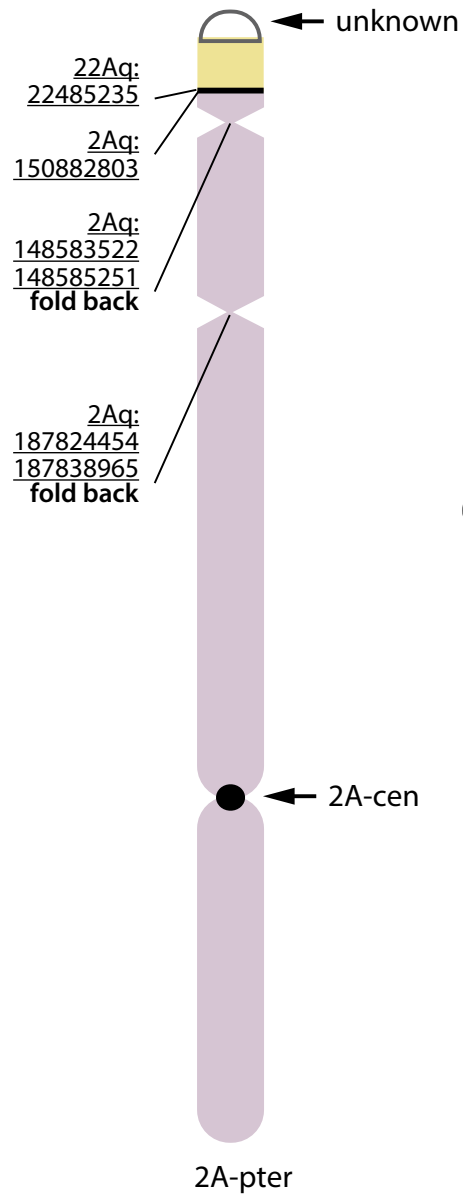
t(6A;16A; 6B)

10X



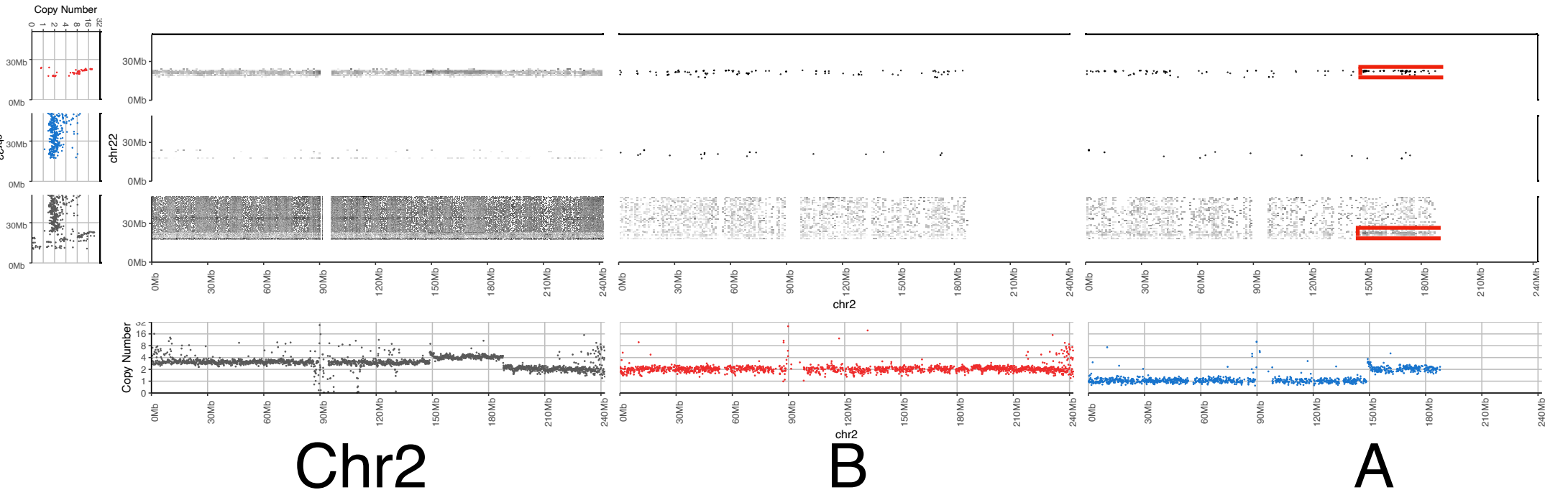
**Marker chromosomes
with incompletely
resolved translocations**

t(2A;22A)

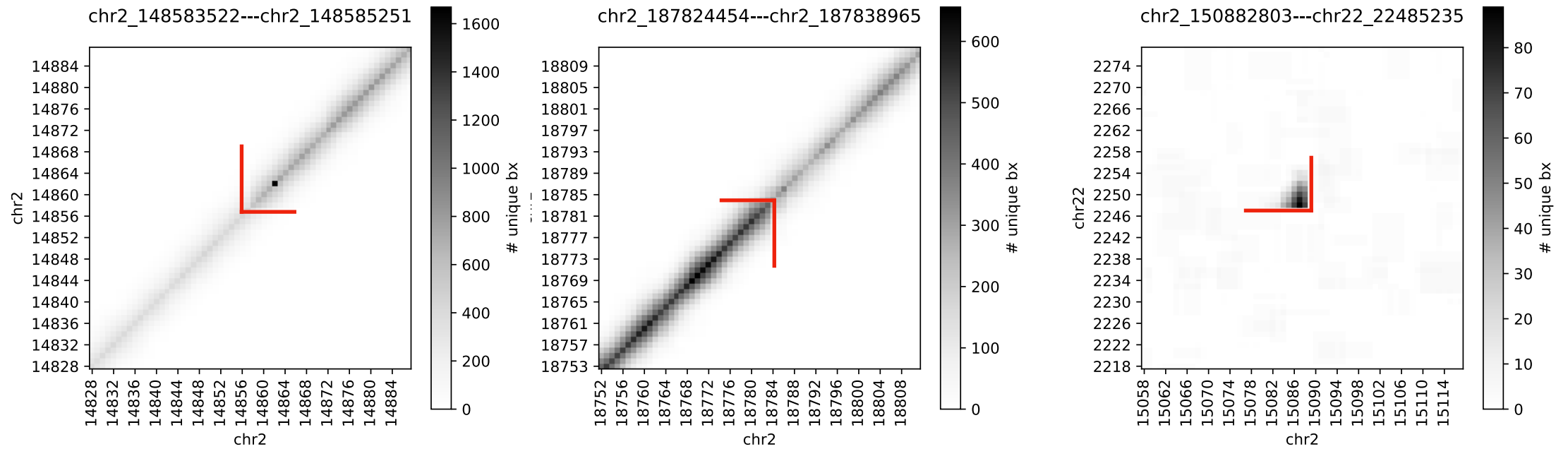


HiC

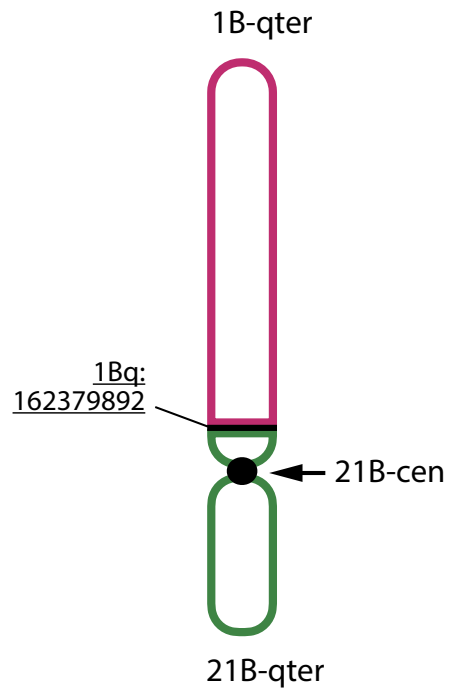
Chr22



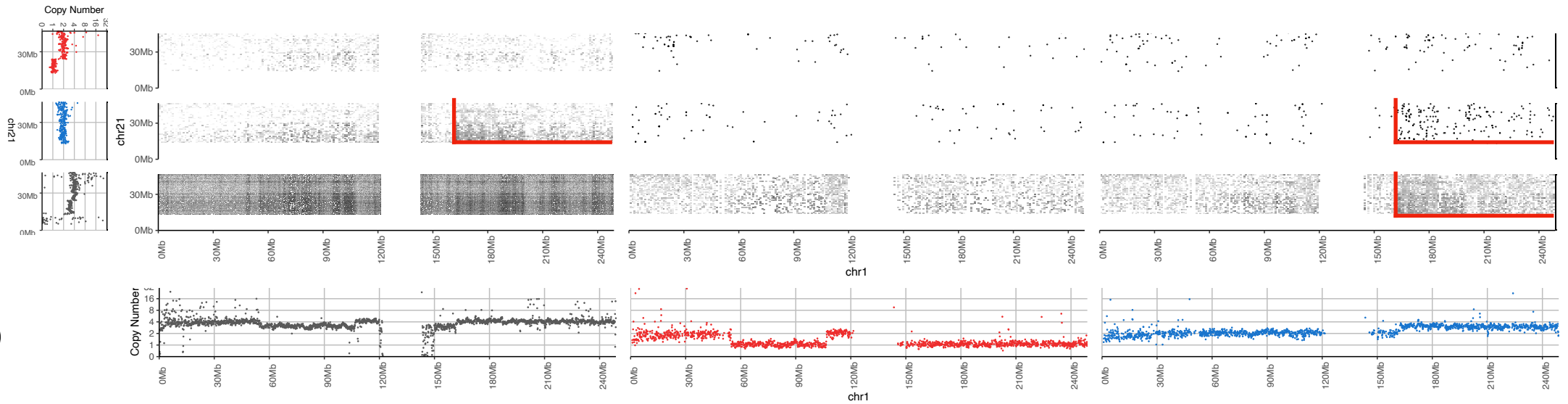
10X



t(1B;21B)



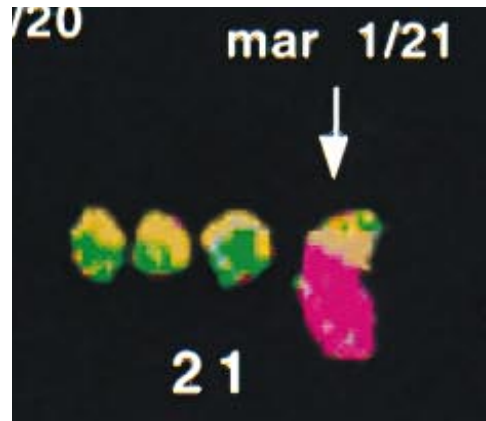
A
B
Chr21



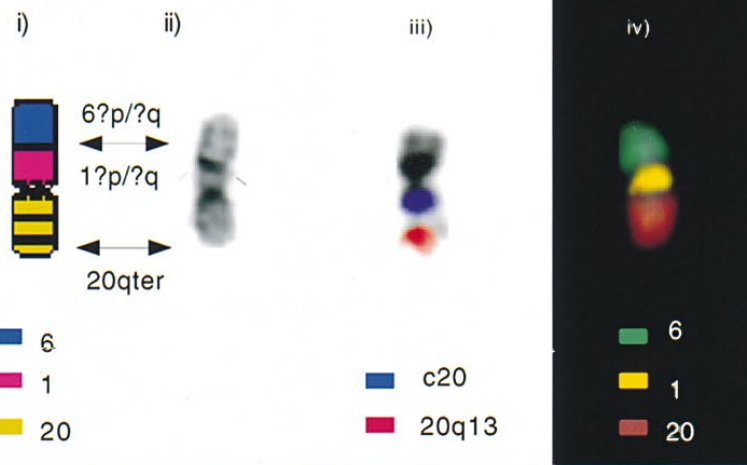
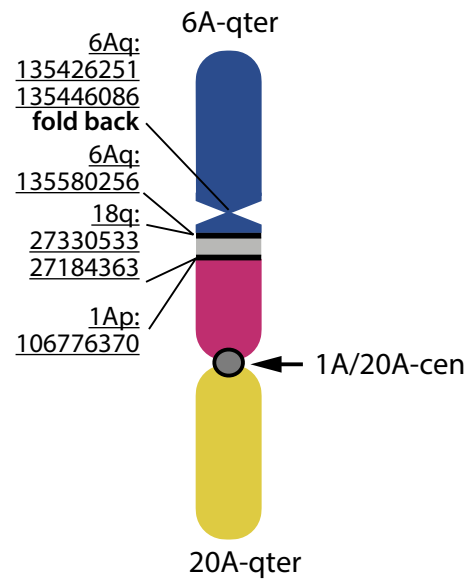
Chr1

A

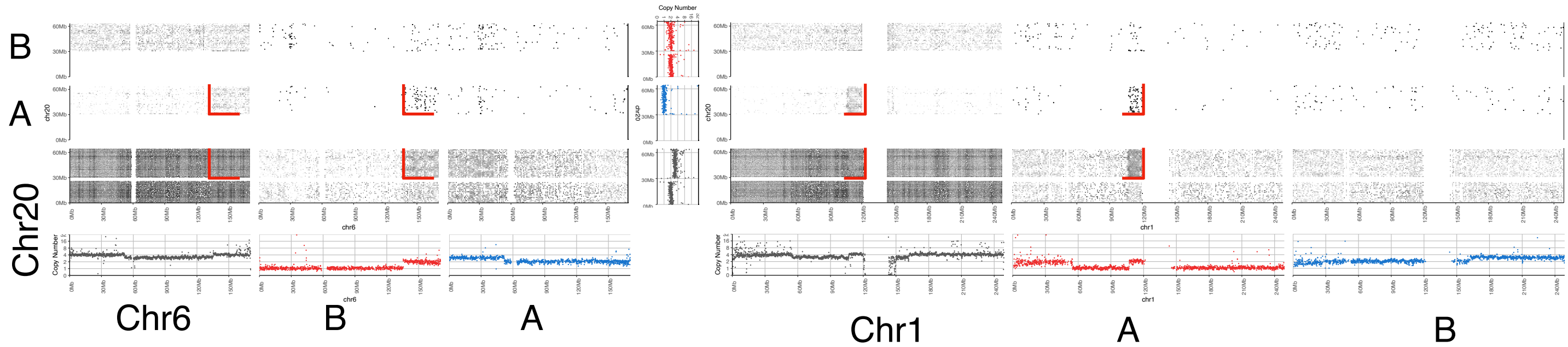
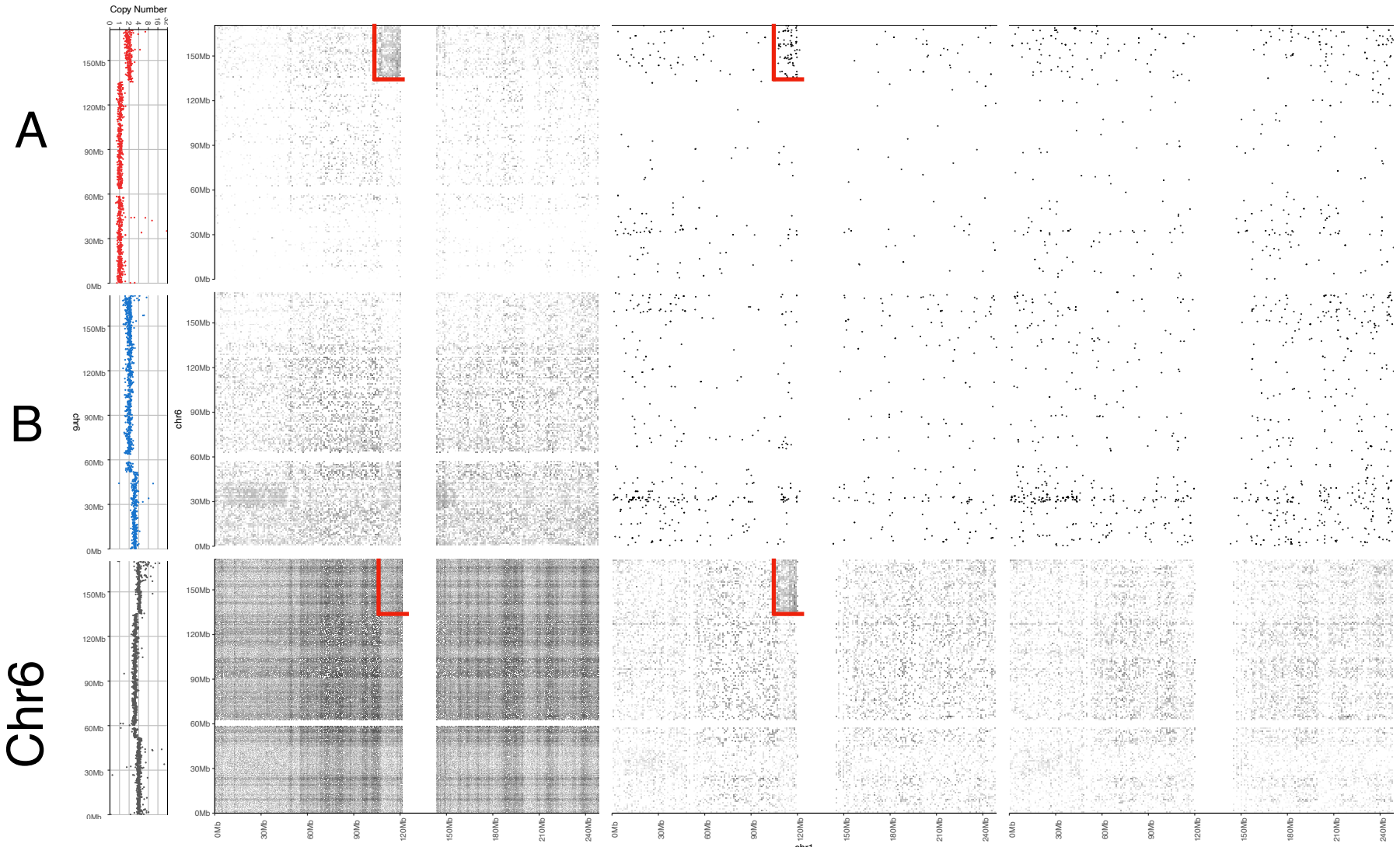
B



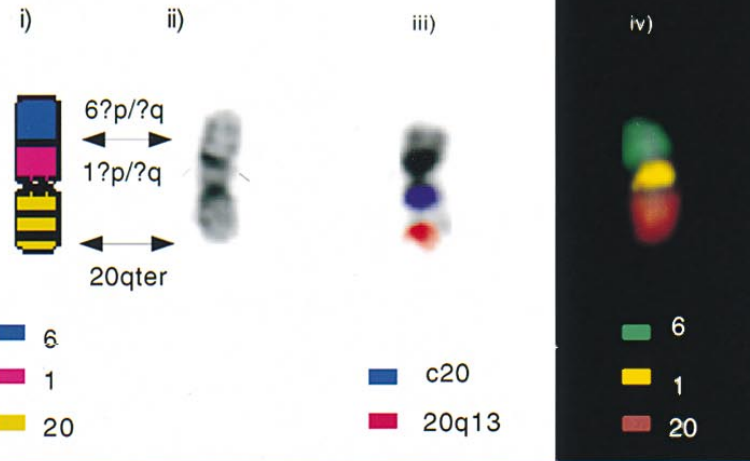
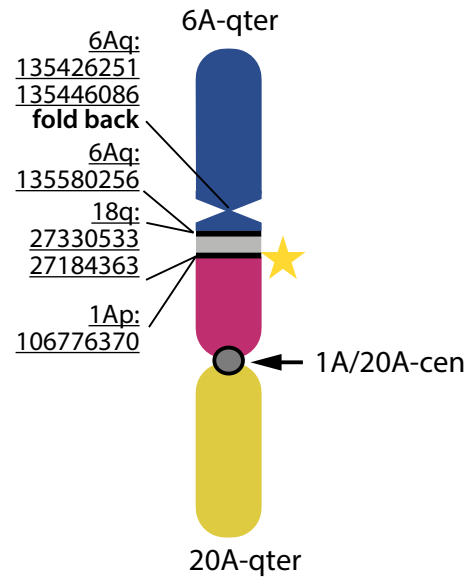
t(6A;1A; 20A)



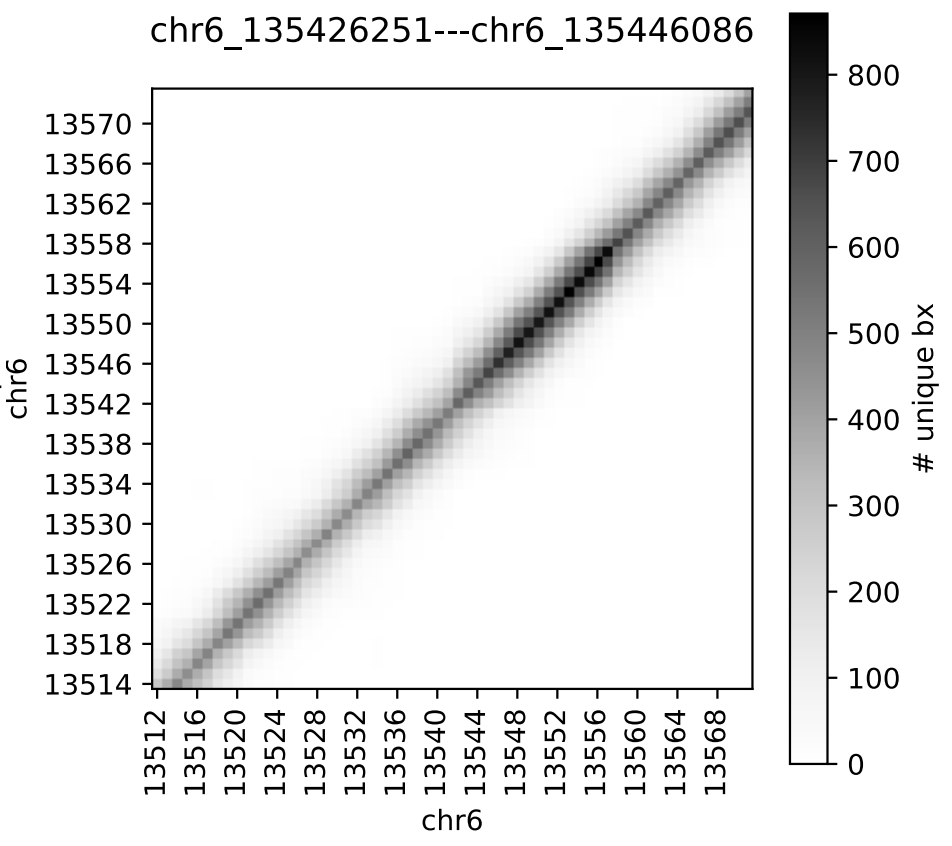
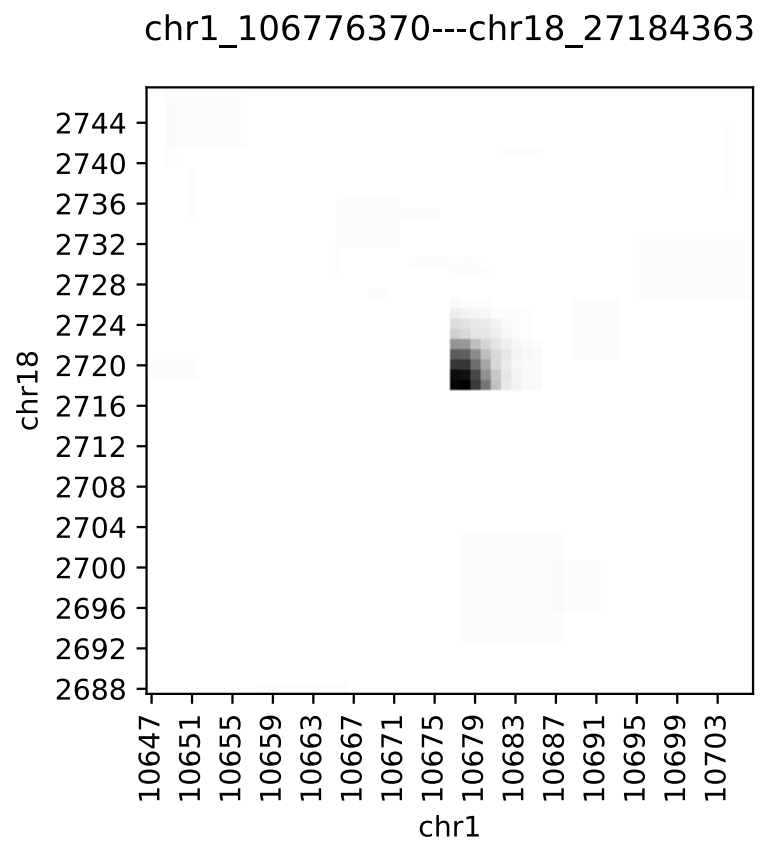
HiC



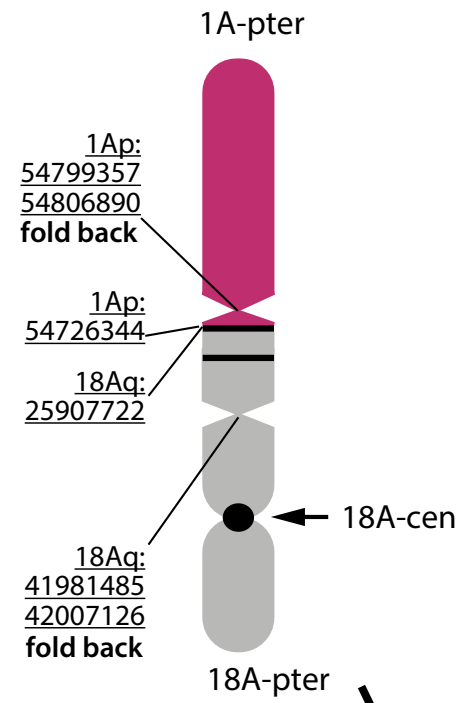
t(6A;1A; 20A)



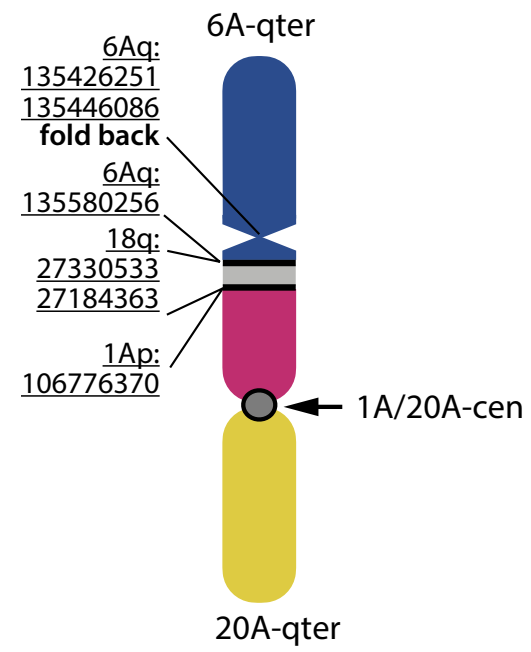
10X



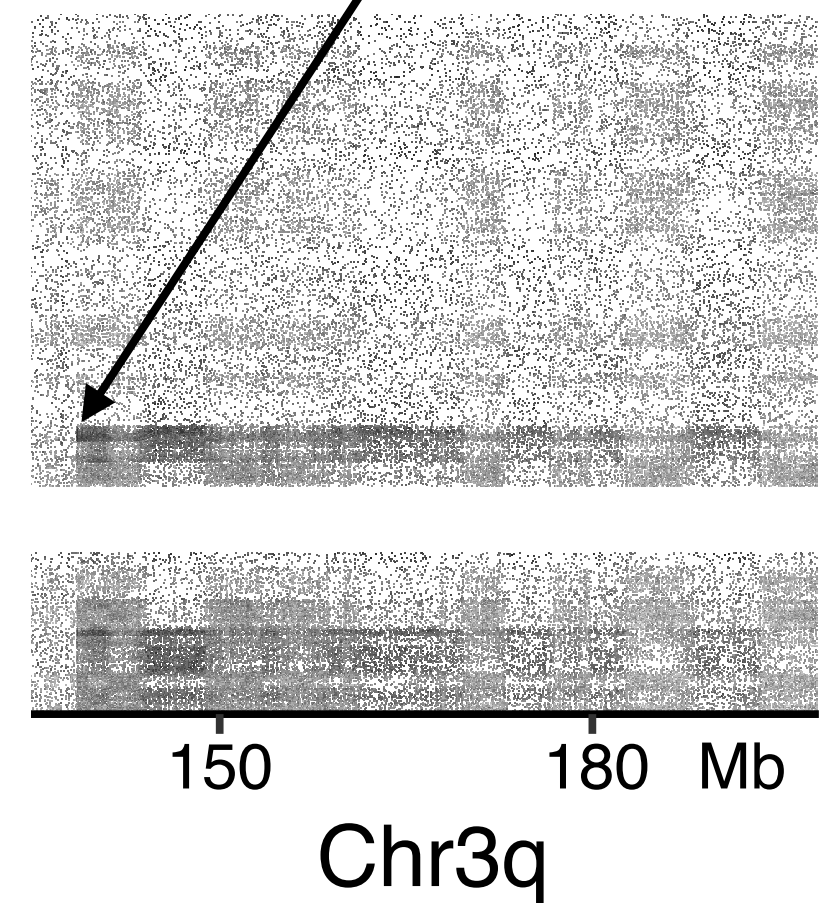
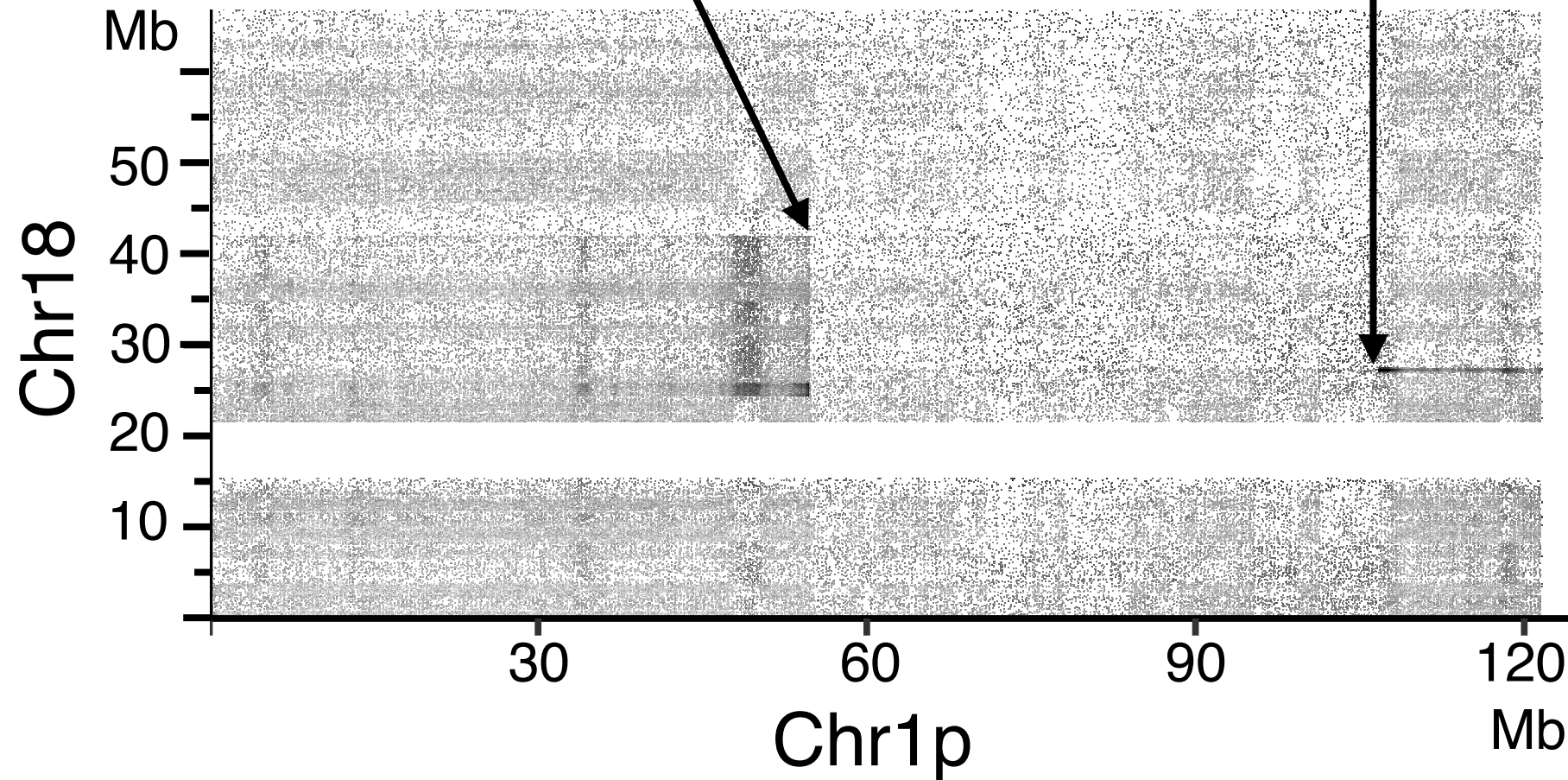
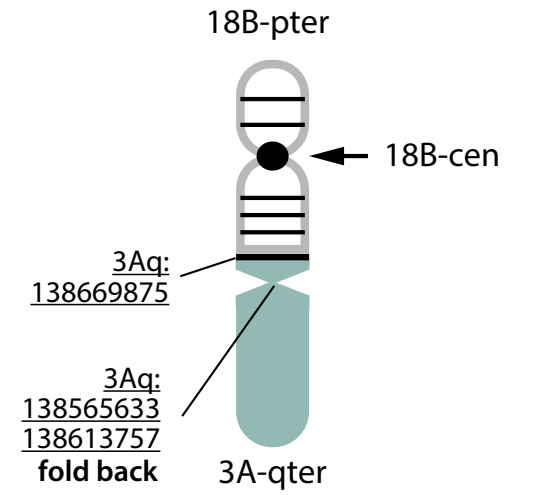
t(1A;18A)



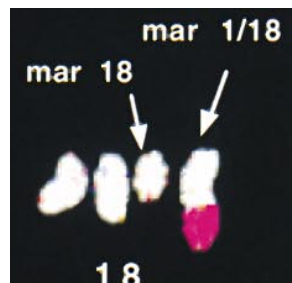
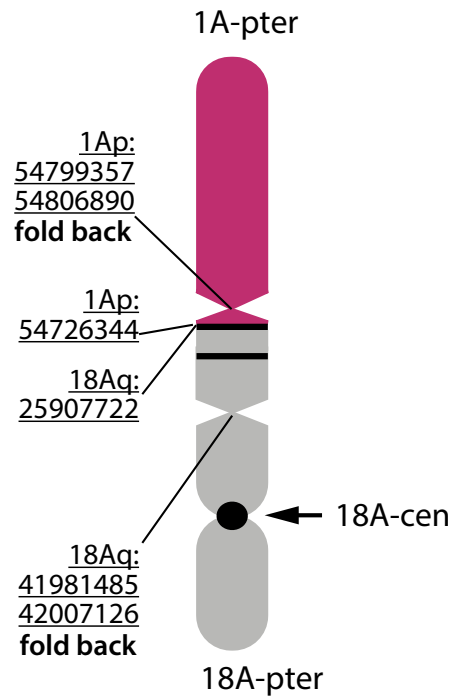
t(6A;1A; 20A)



t(3A;18B)



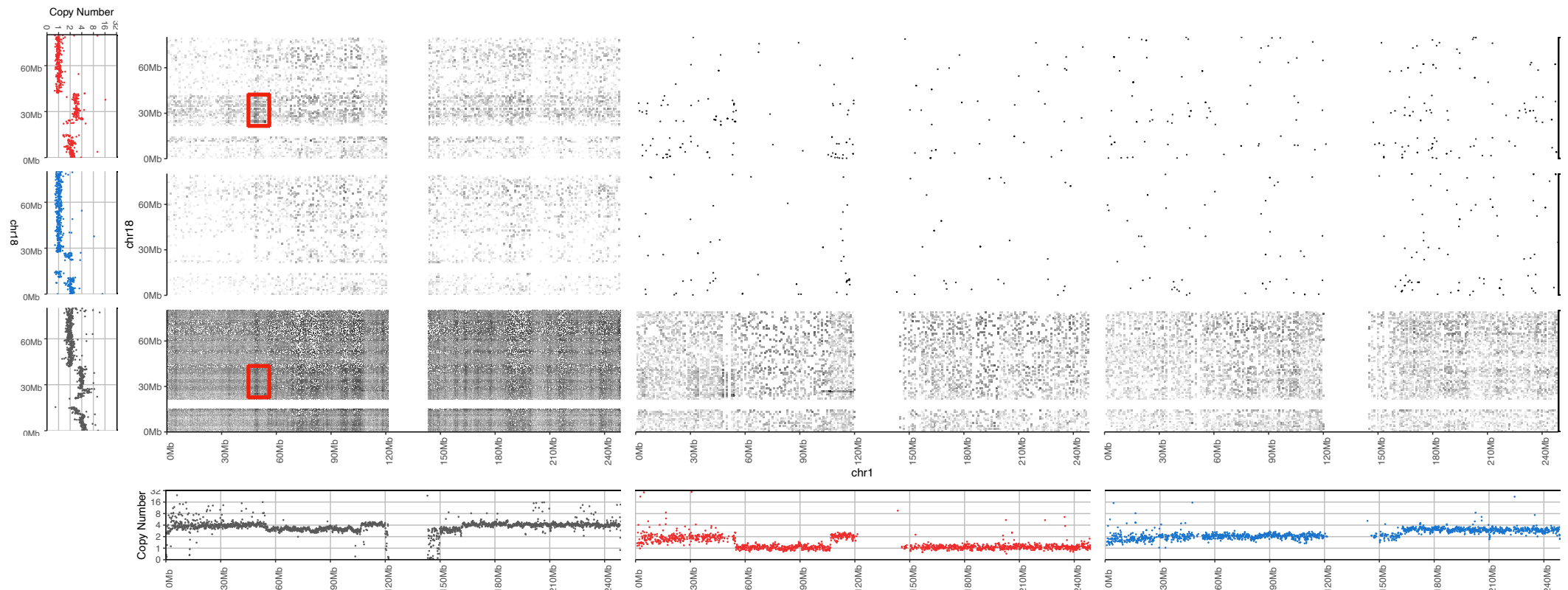
t(1A;18A)



A

B

Chr18



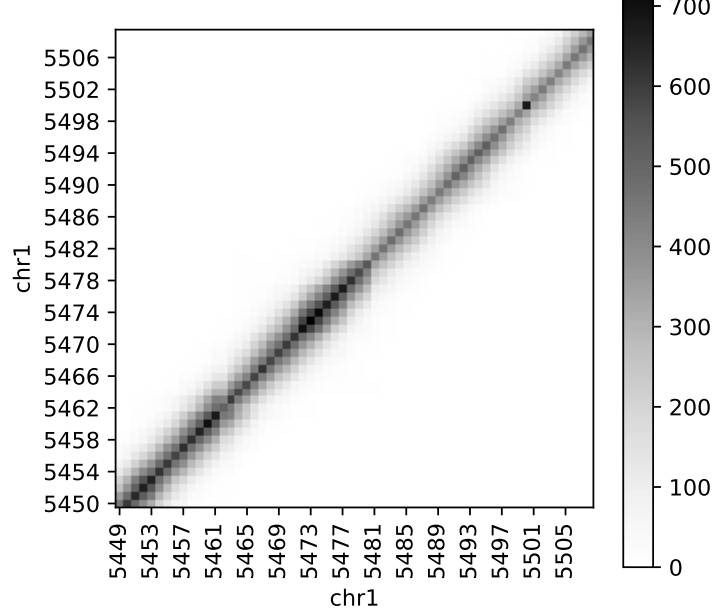
Chr1

A

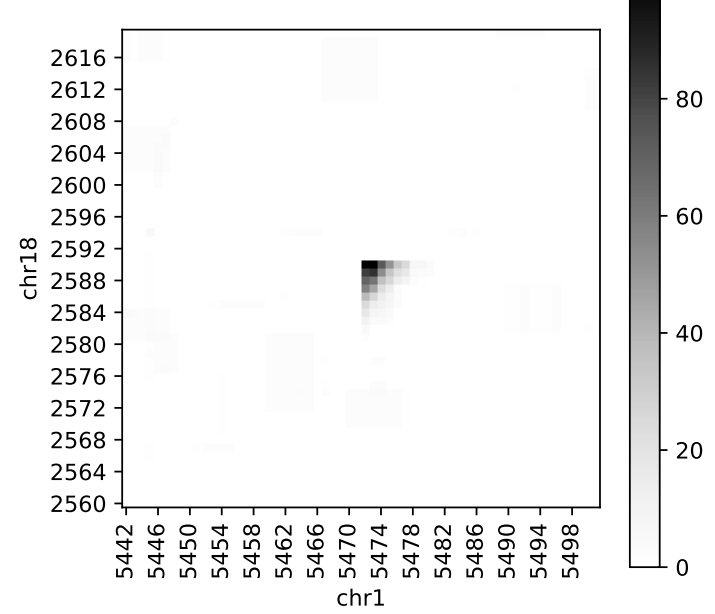
B

10X

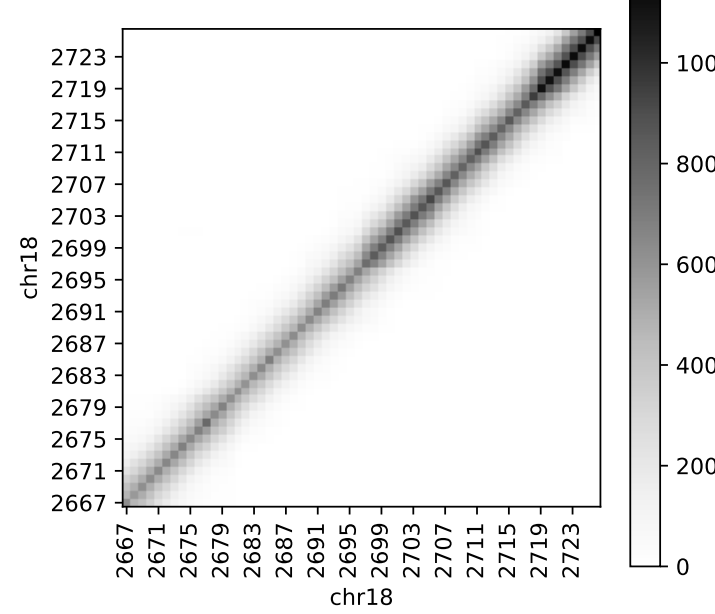
chr1_54799357---chr1_54806890



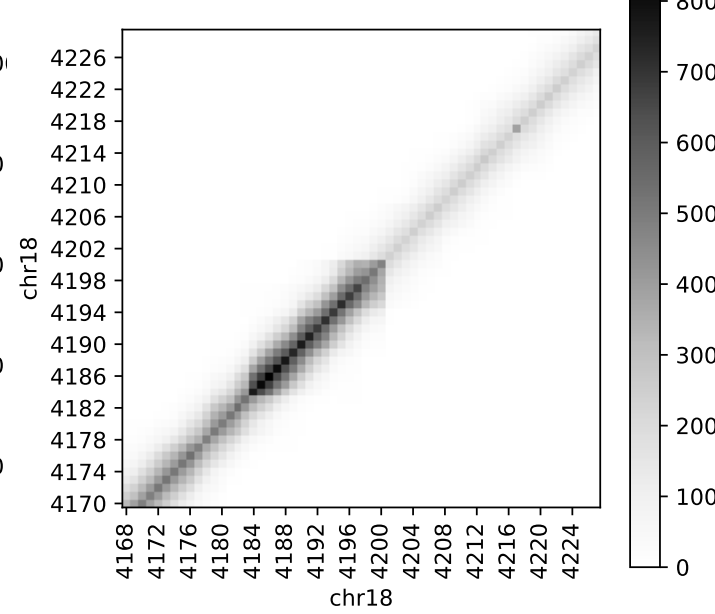
chr1_54726344---chr18_25907722



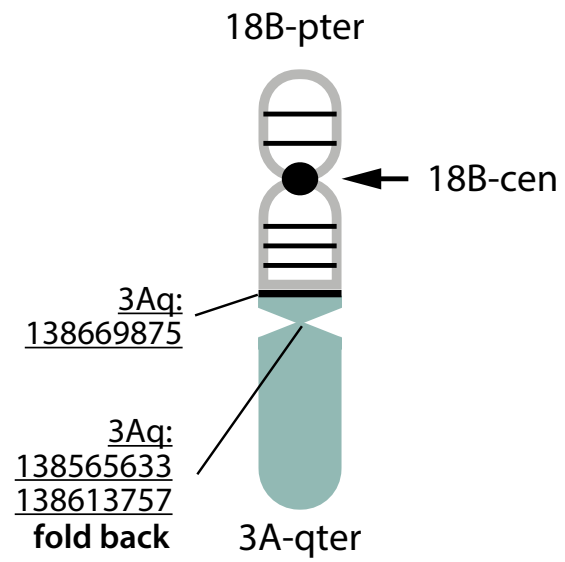
chr18_26974525---chr18_26977597



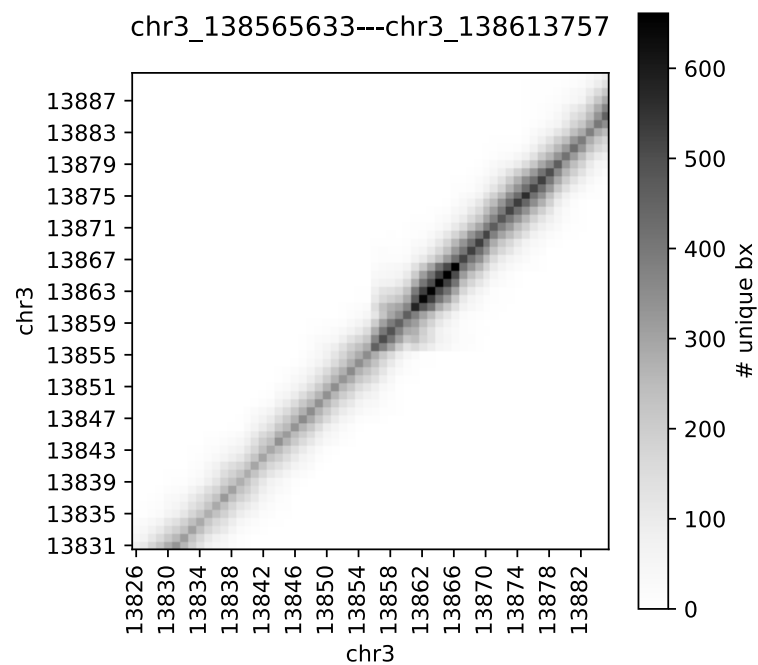
chr18_41981485---chr18_42007126



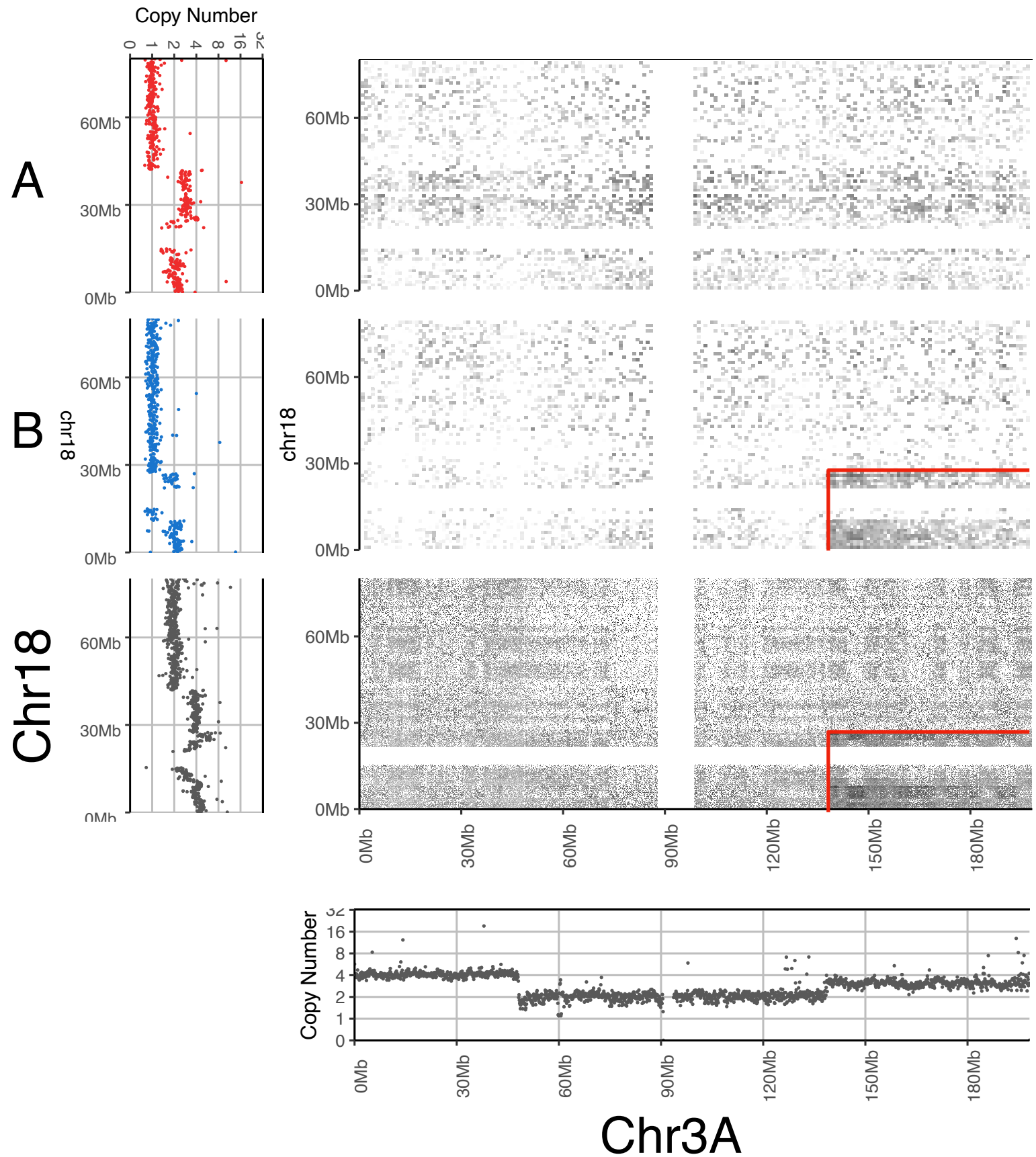
t(3A;18B)



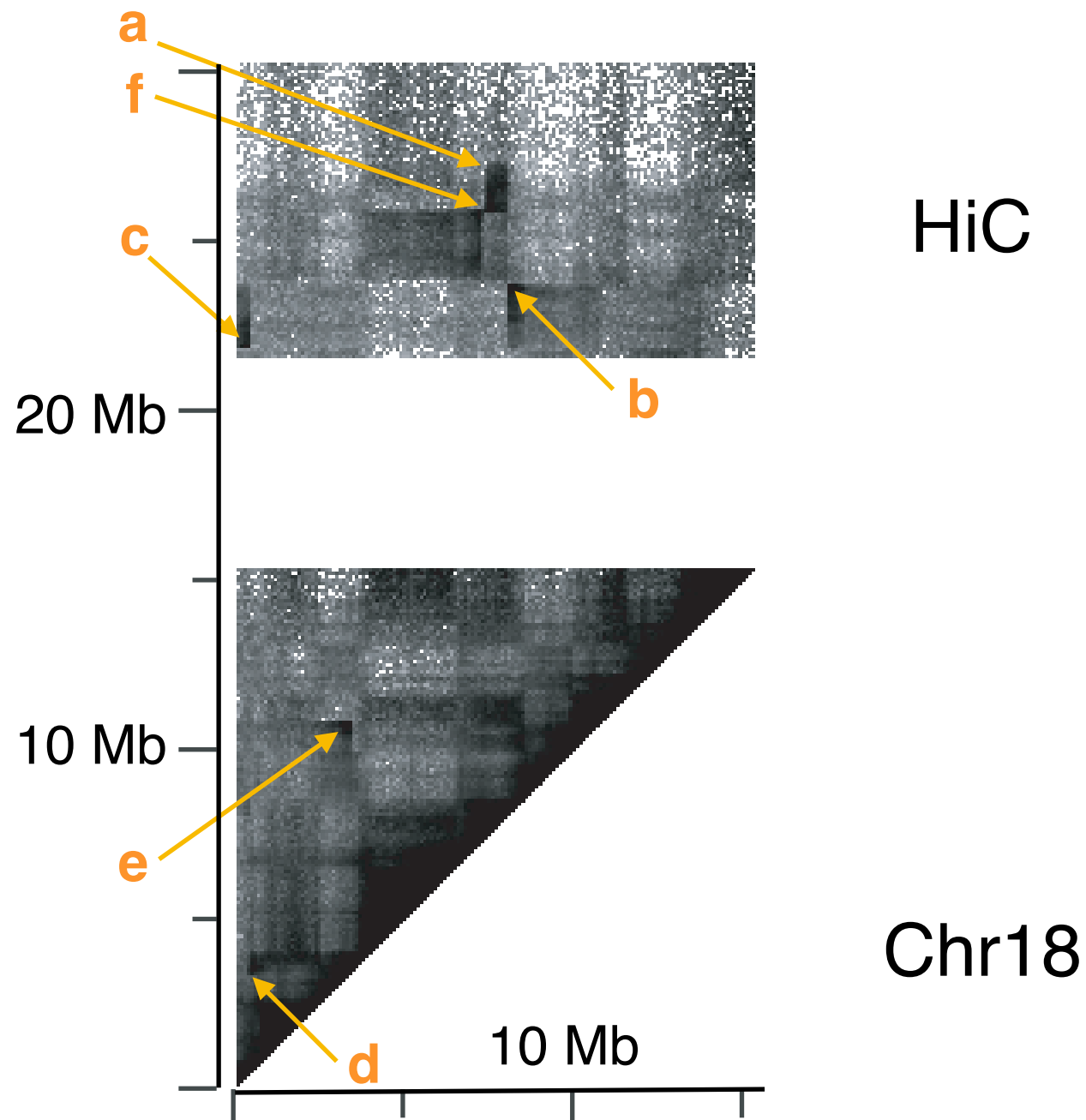
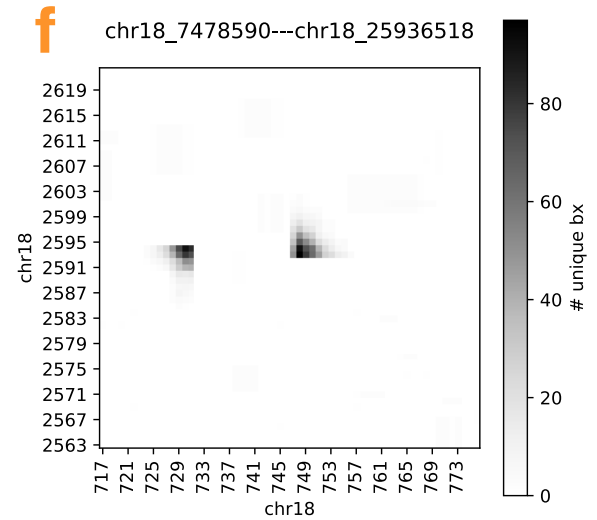
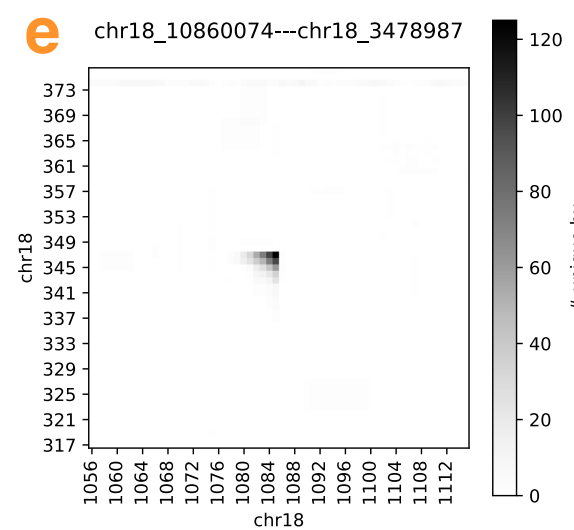
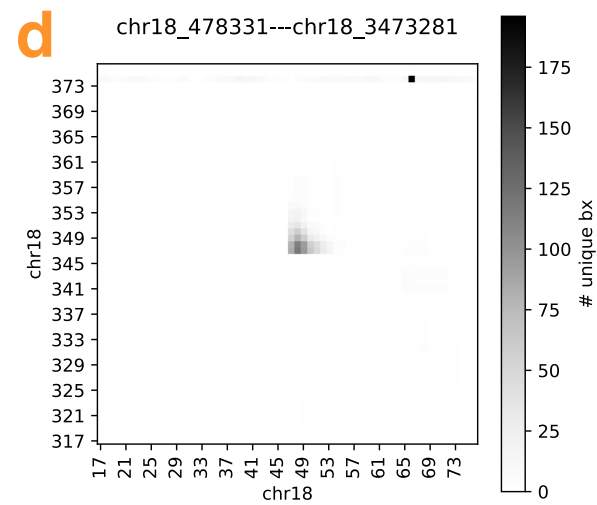
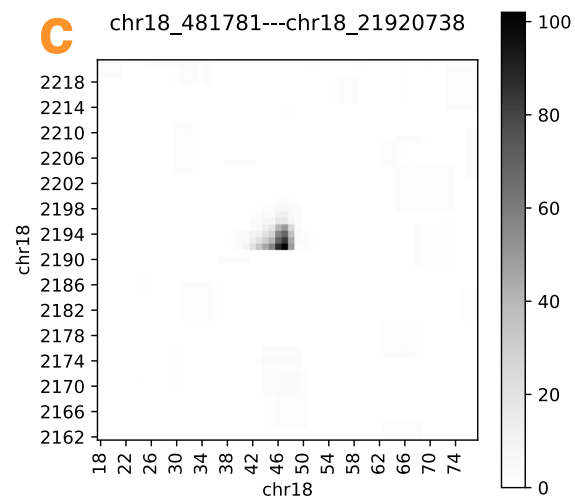
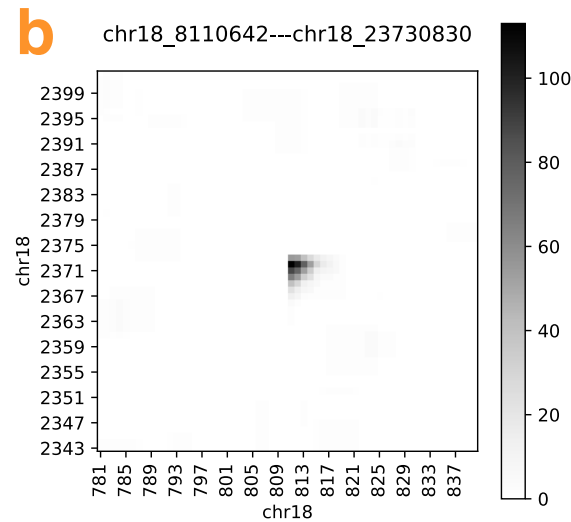
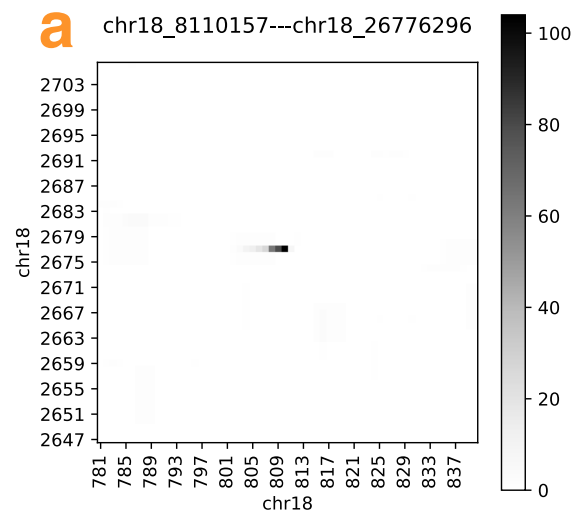
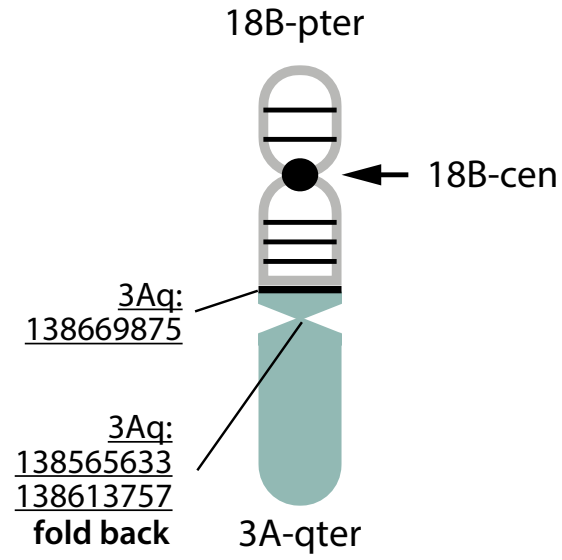
10X



HiC

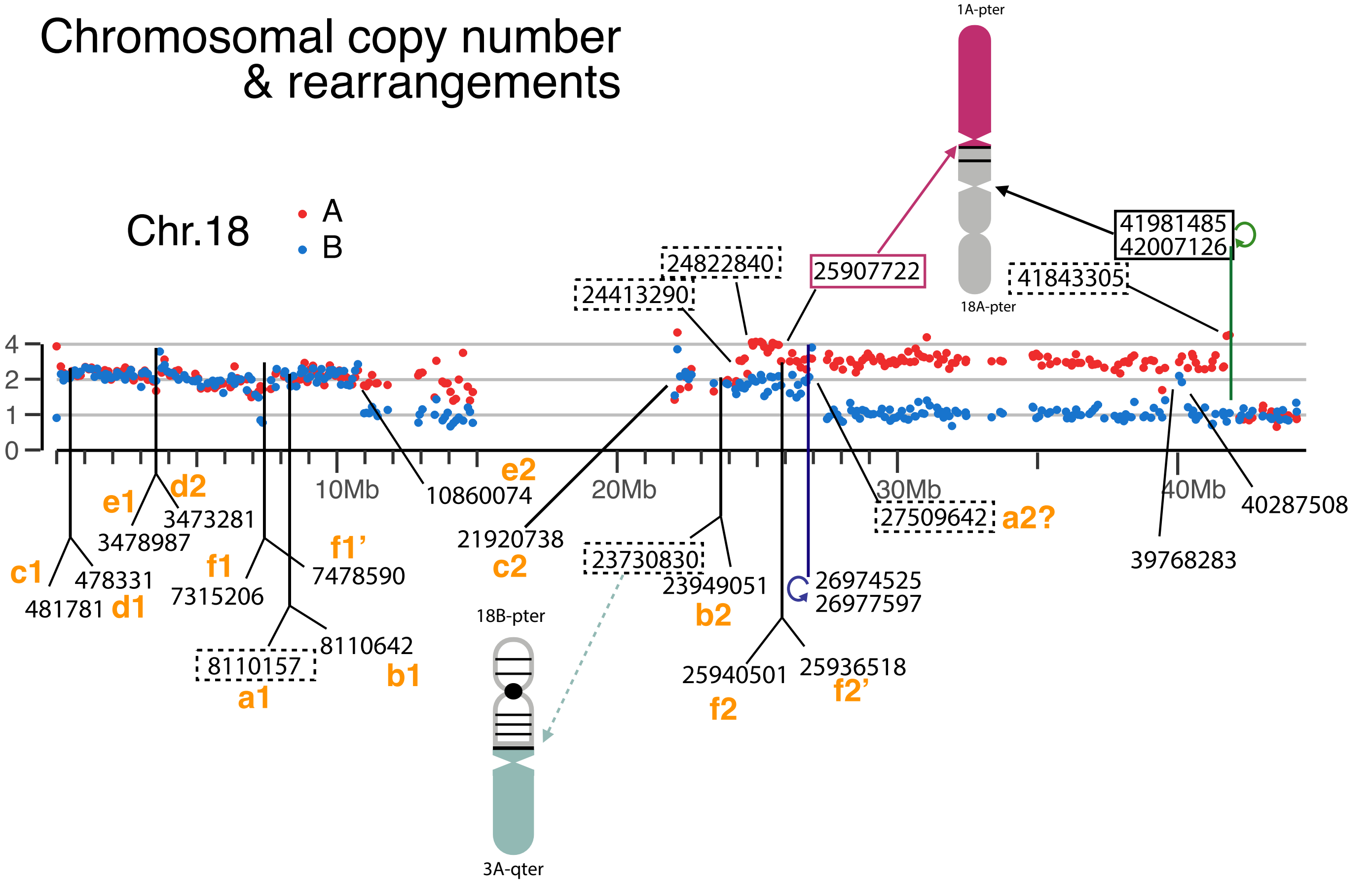


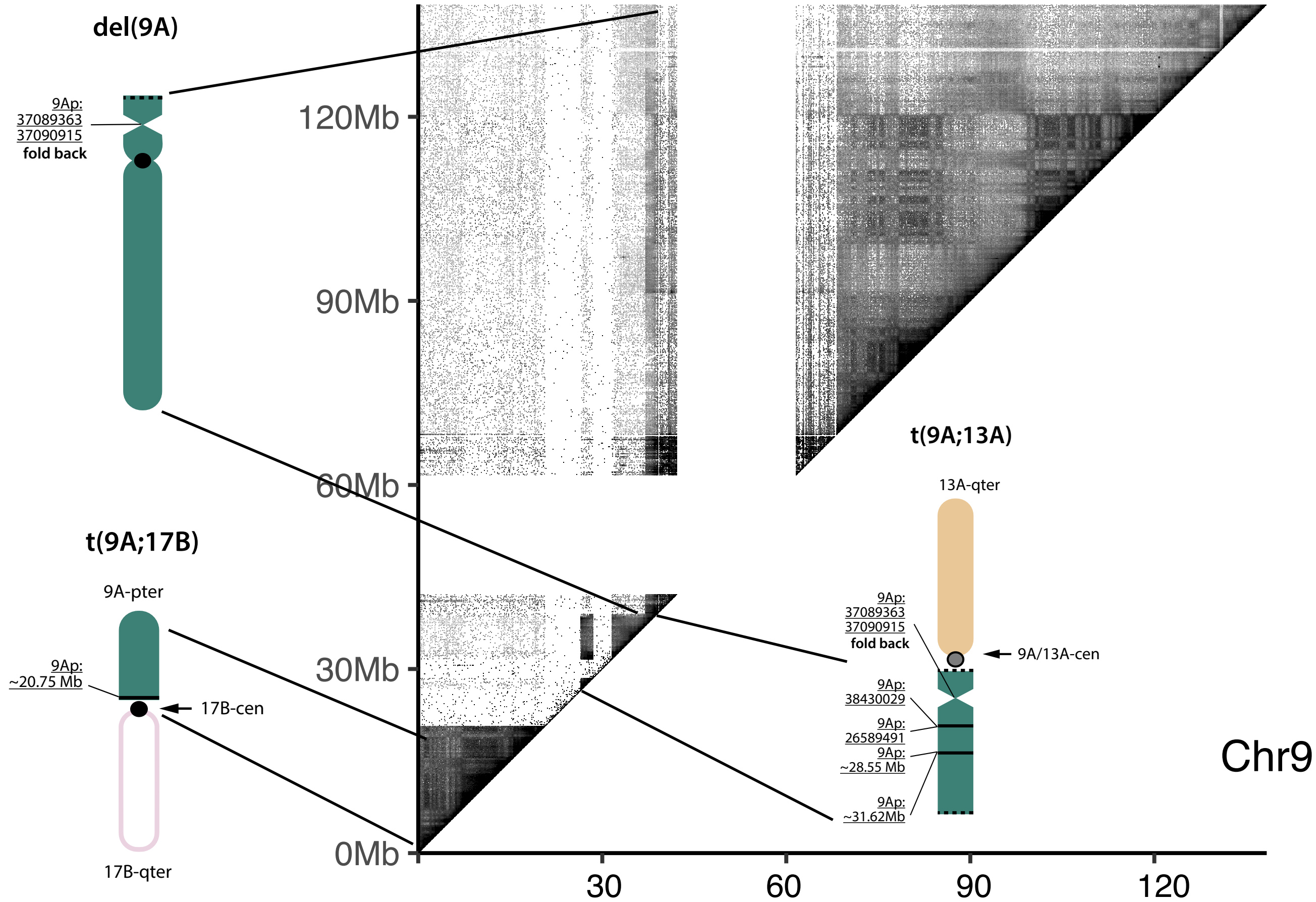
t(3A;18B)



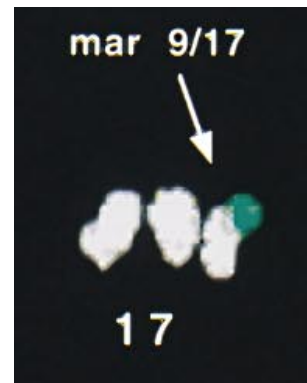
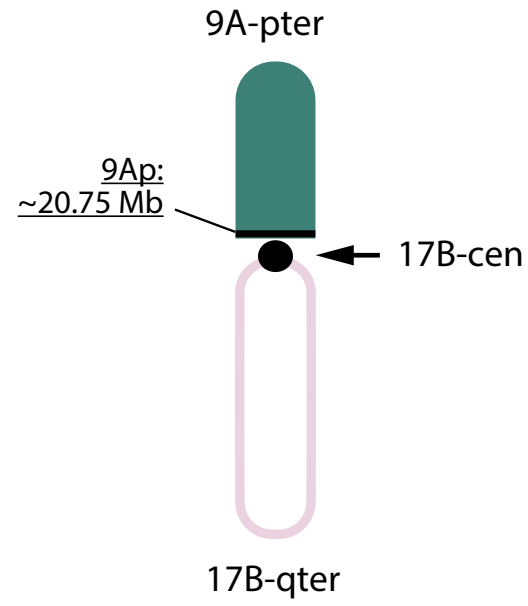
Chromosomal copy number & rearrangements

Chr.18
• A
• B

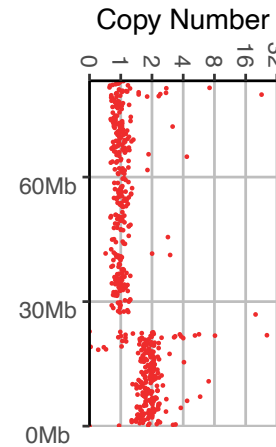




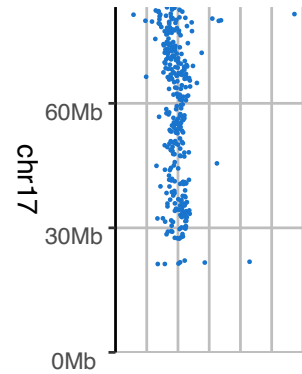
t(9A;17B)



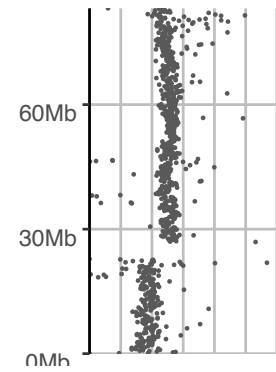
A



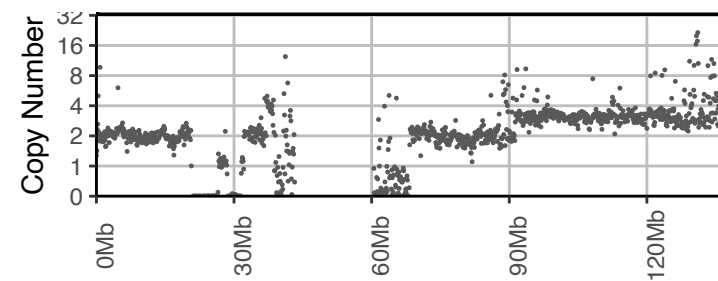
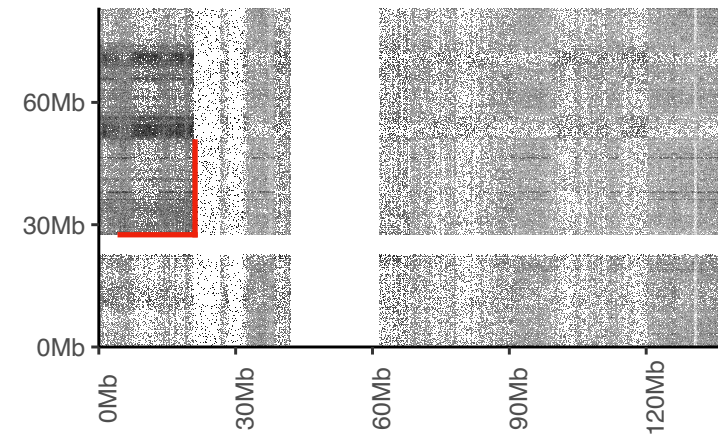
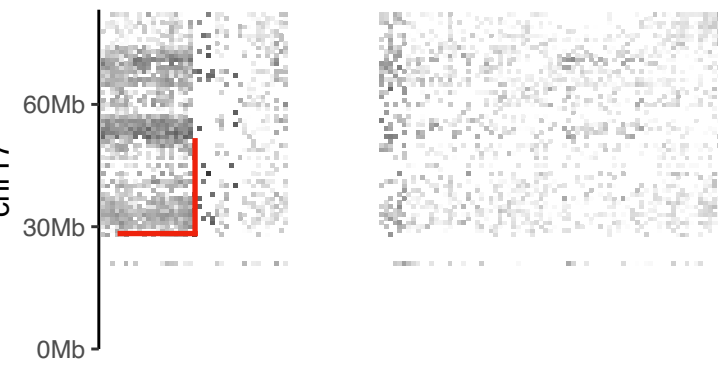
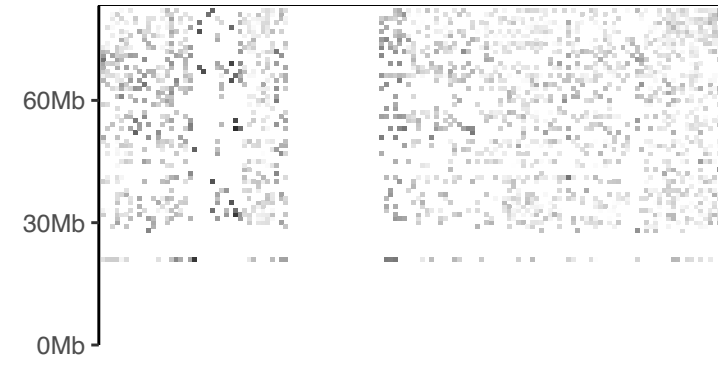
B



Chr17



HiC

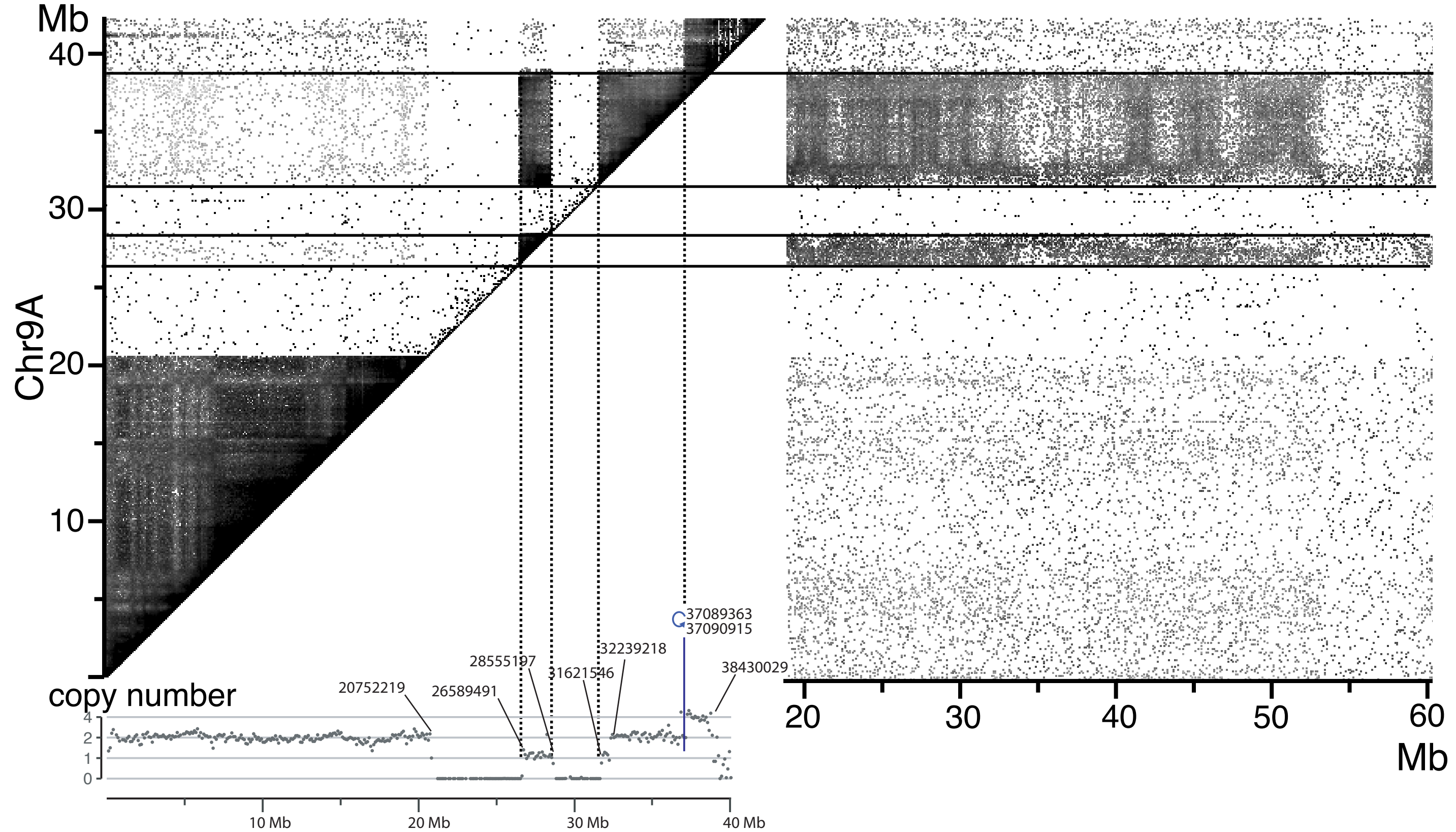


Chr9A

HiC

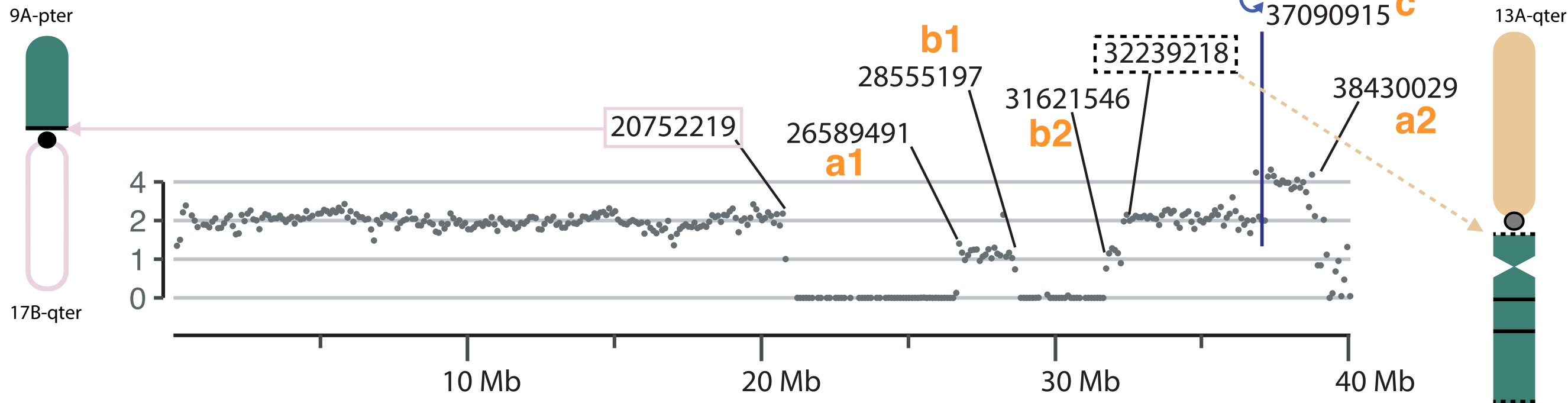
Chr9A

Chr13A



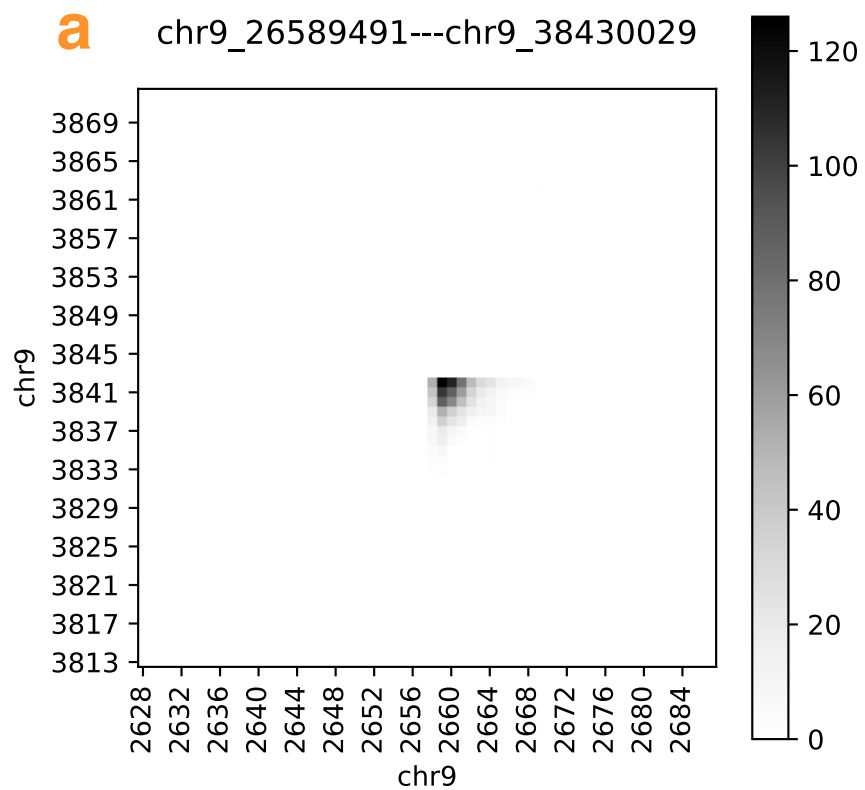
t(9A;17B)

t(9A;13A)

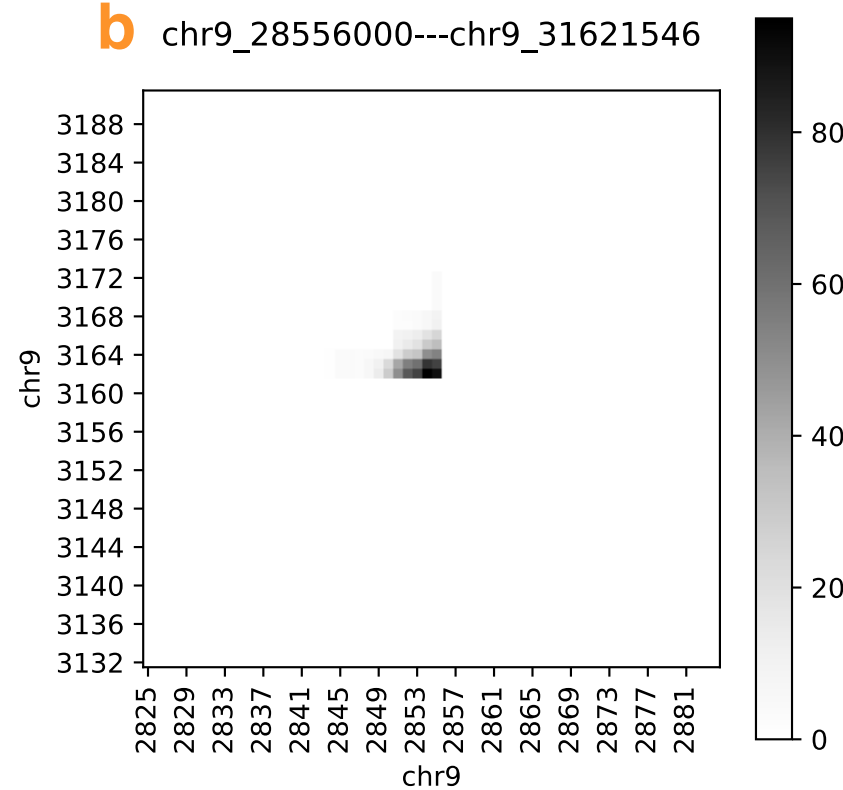


10X

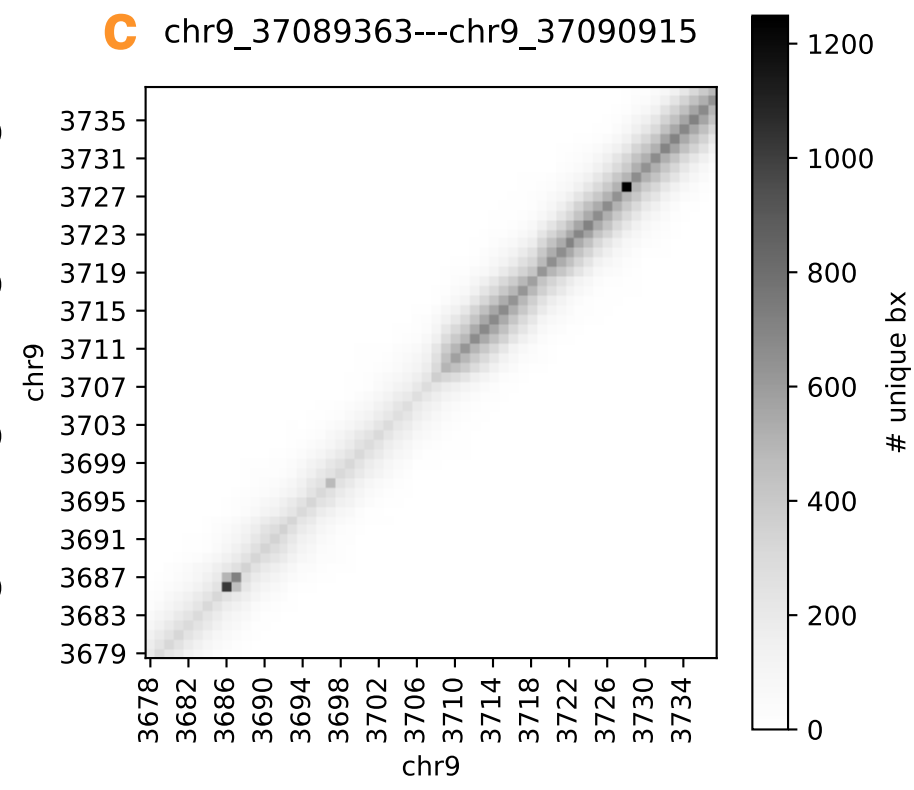
a chr9_26589491---chr9_38430029



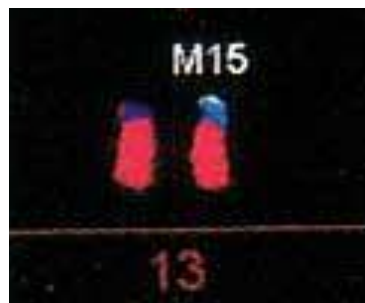
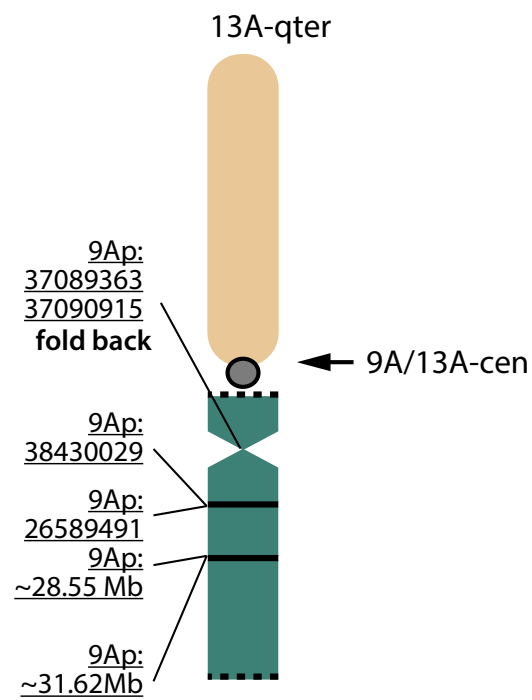
b chr9_28556000---chr9_31621546



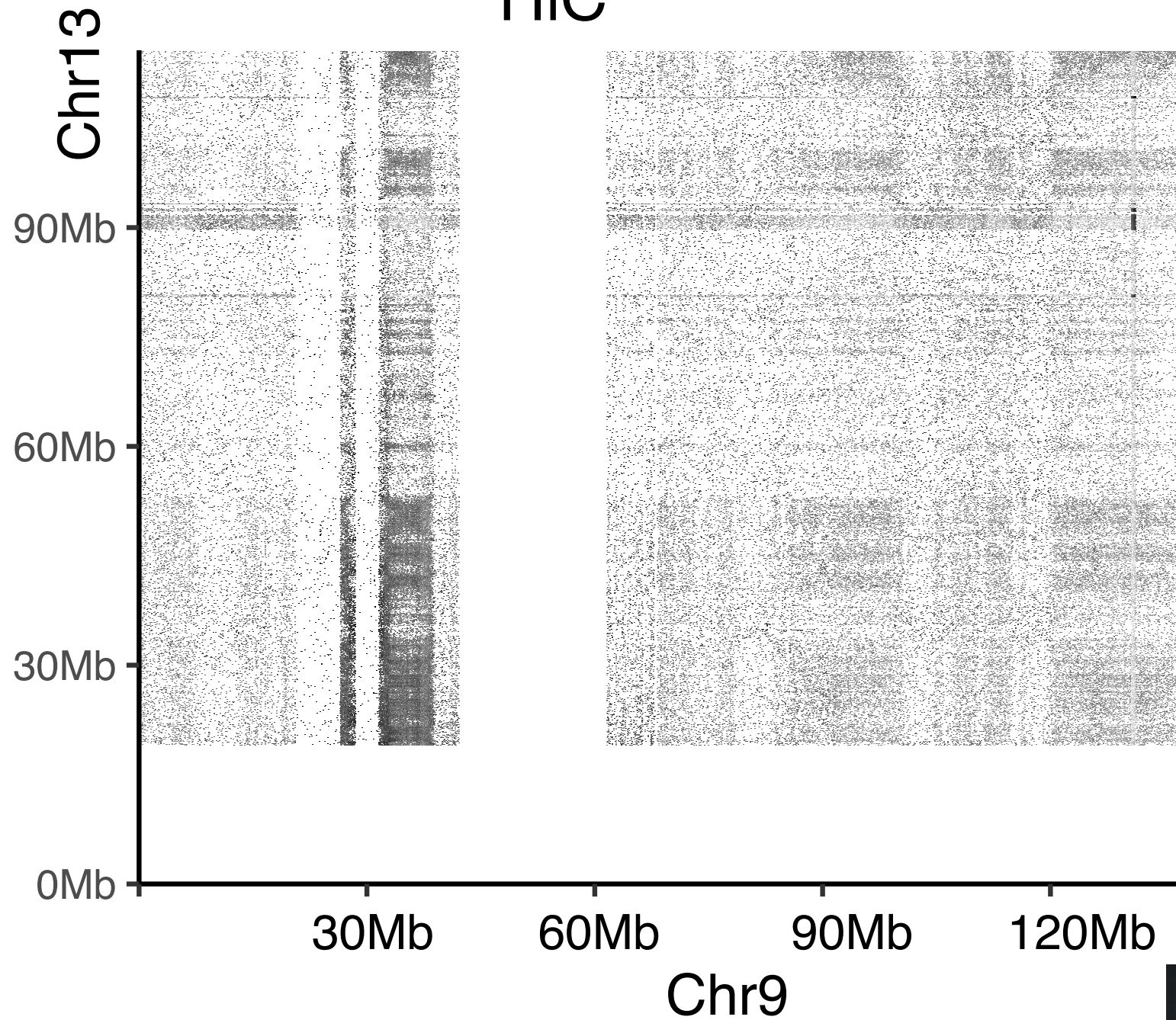
c chr9_37089363---chr9_37090915



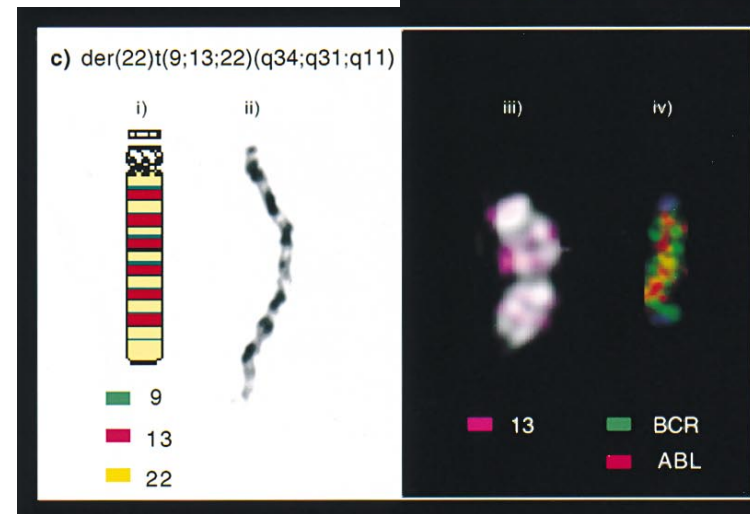
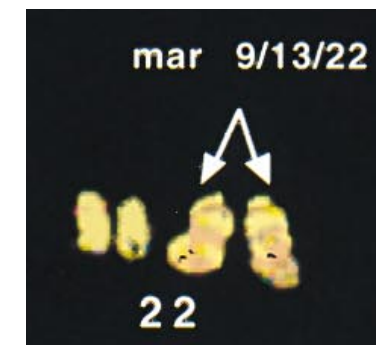
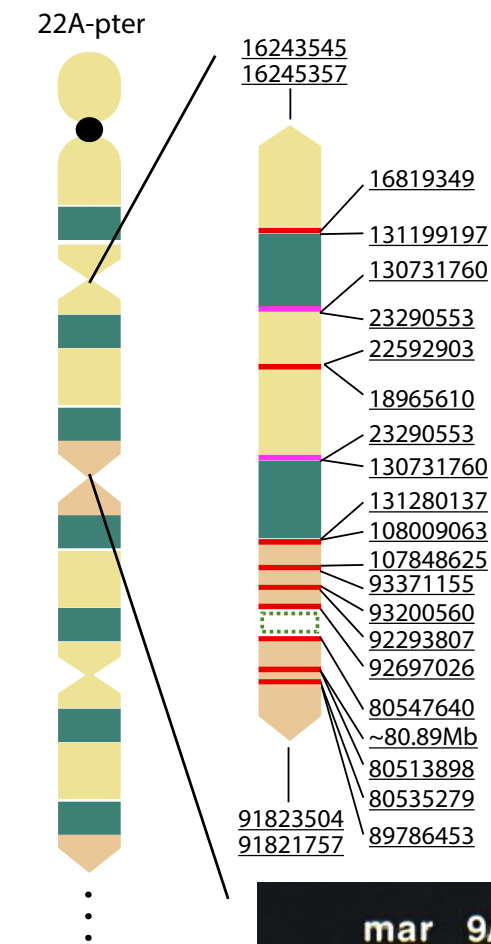
t(9A;13A)



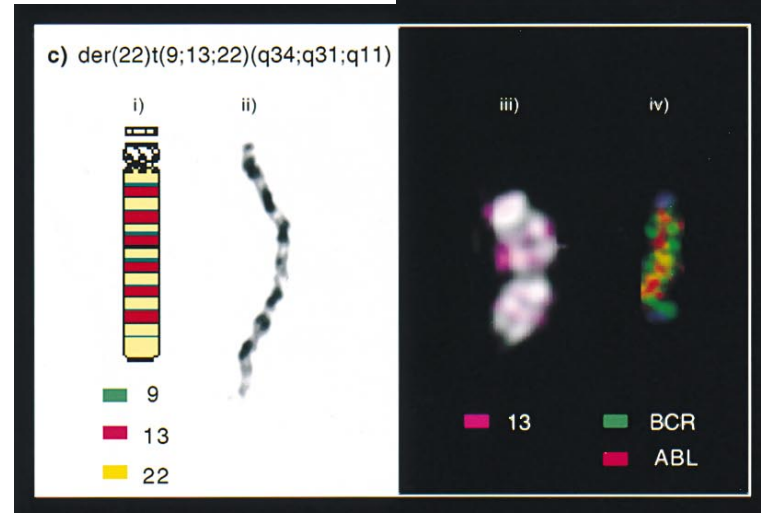
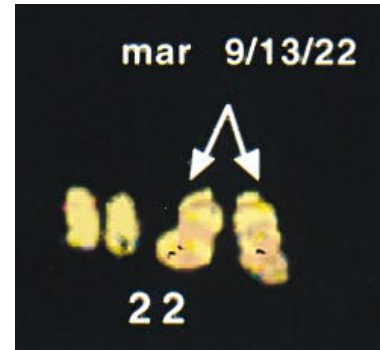
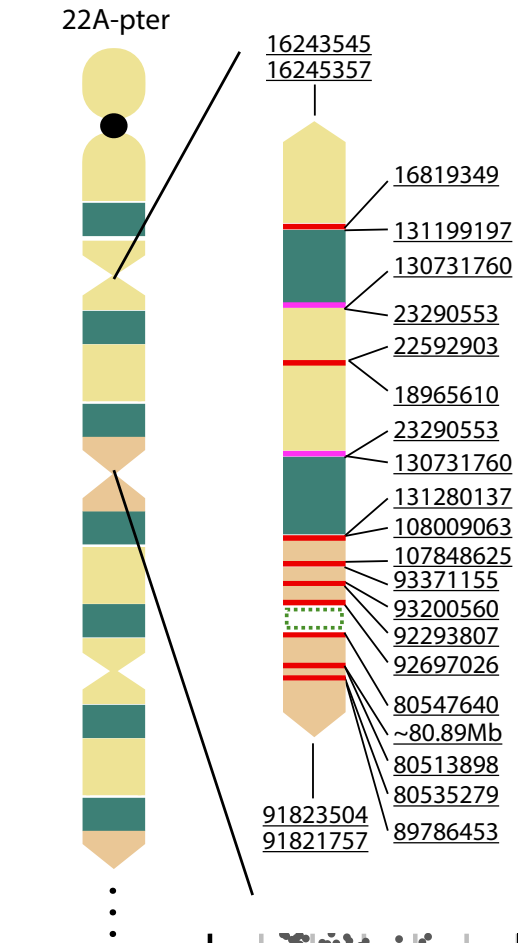
HiC



t(22A;9-13-22 hsr)

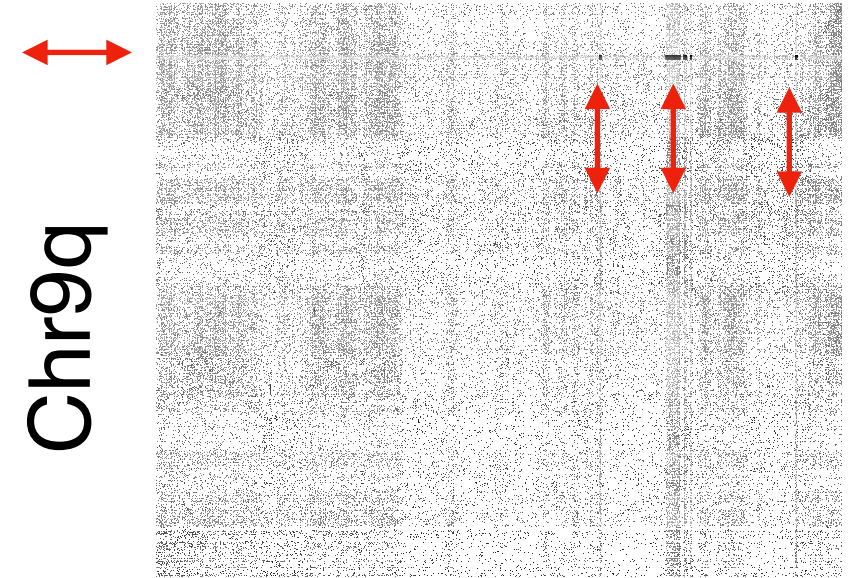


t(22A;9-13-22 hsr)

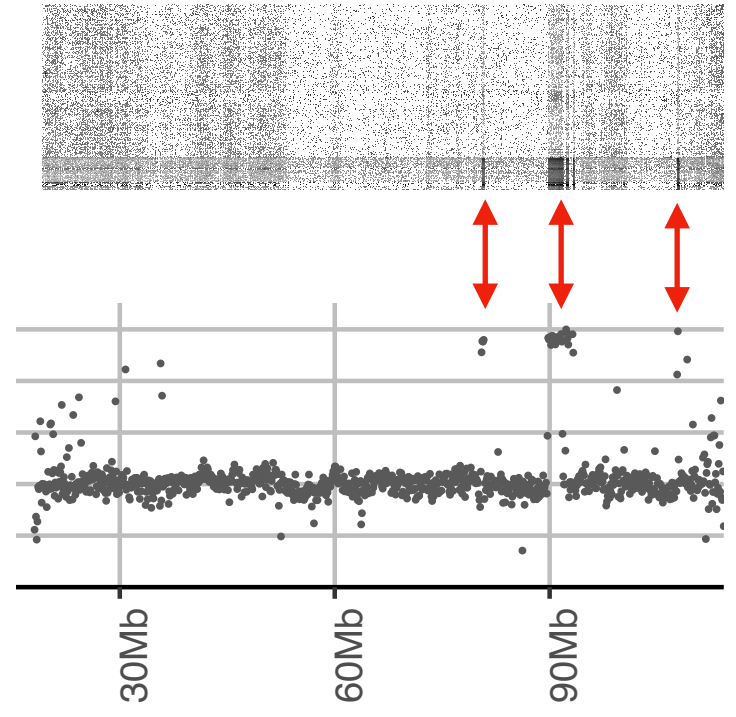
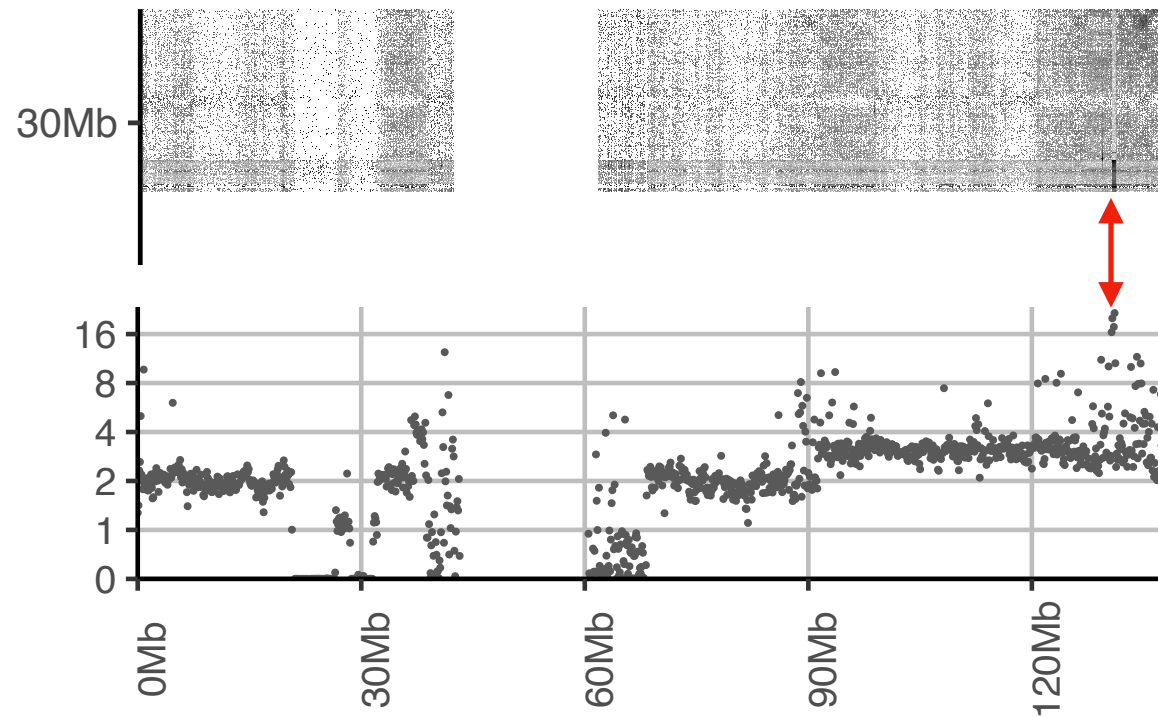
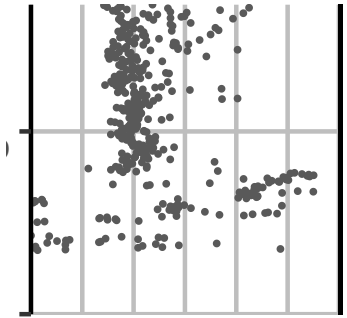


HiC

Chr13



Chr22



t(22A;9-13-22 hsr)

10X

