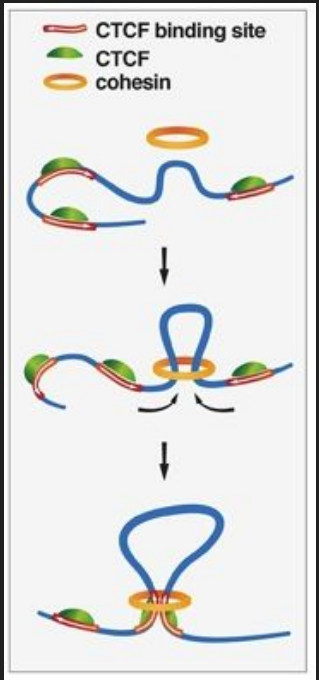
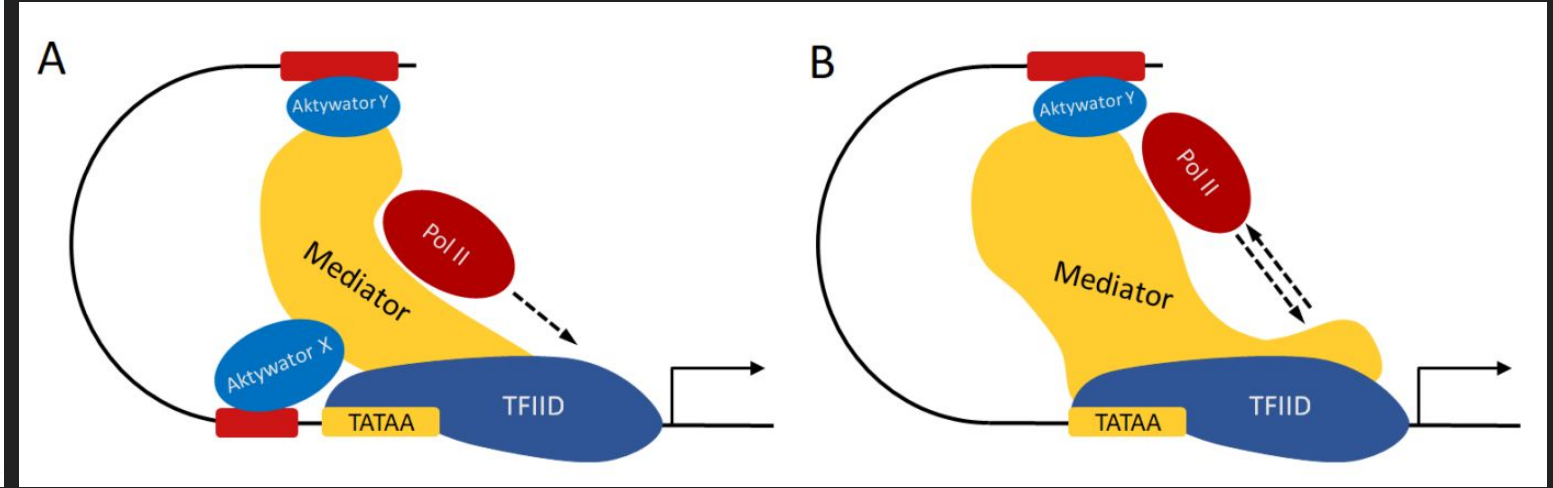
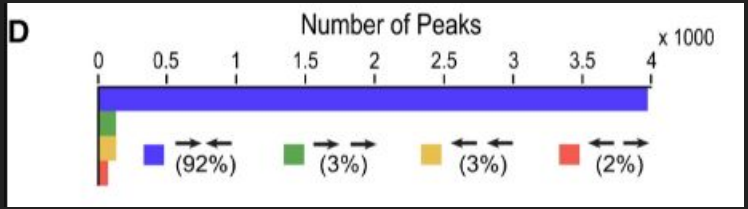
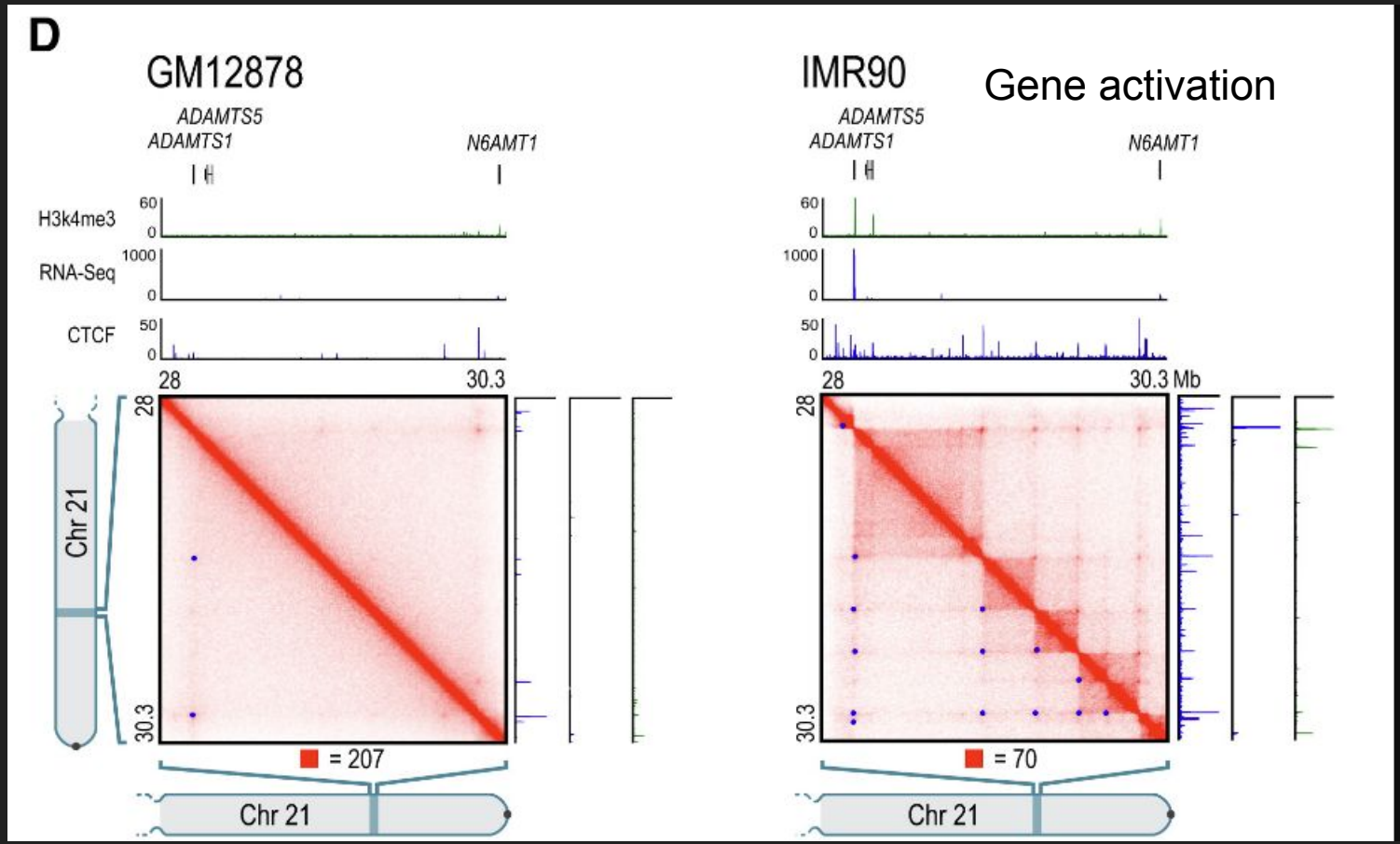
Chromatin loops







Presence of loops in different cells



1. Find data
https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSM733752

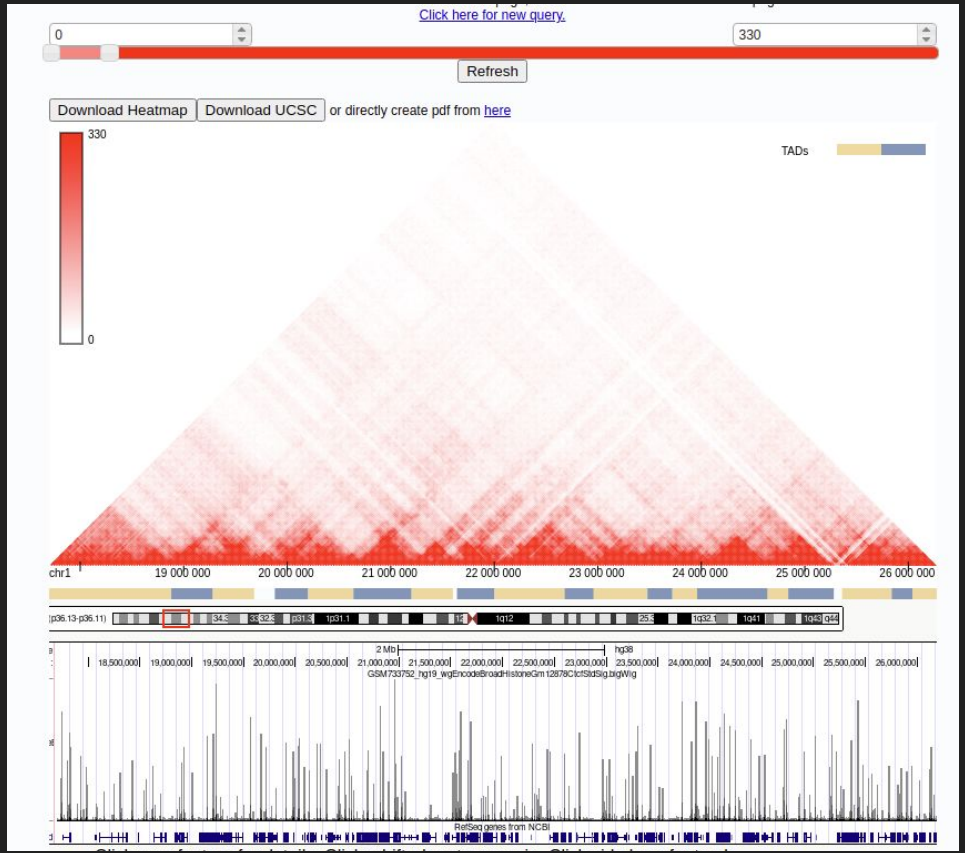
Supplementary file	Size	Download	File type/resource
GSM733752_hg19_wgEncodeBroadHistoneGm12878CtcfStdAlnRep1.bam	462.1 Mb	(ftp)(http)	BAM
GSM733752_hg19_wgEncodeBroadHistoneGm12878CtcfStdAlnRep2.bam	901.8 Mb	(ftp)(http)	BAM
GSM733752_hg19_wgEncodeBroadHistoneGm12878CtcfStdPk.broadPeak.gz	997.5 Kb	(ftp)(http)	BROADPEAK
GSM733752_hg19_wgEncodeBroadHistoneGm12878CtcfStdSig.bigWig	597.2 Mb	(ftp)(http)	BIGWIG

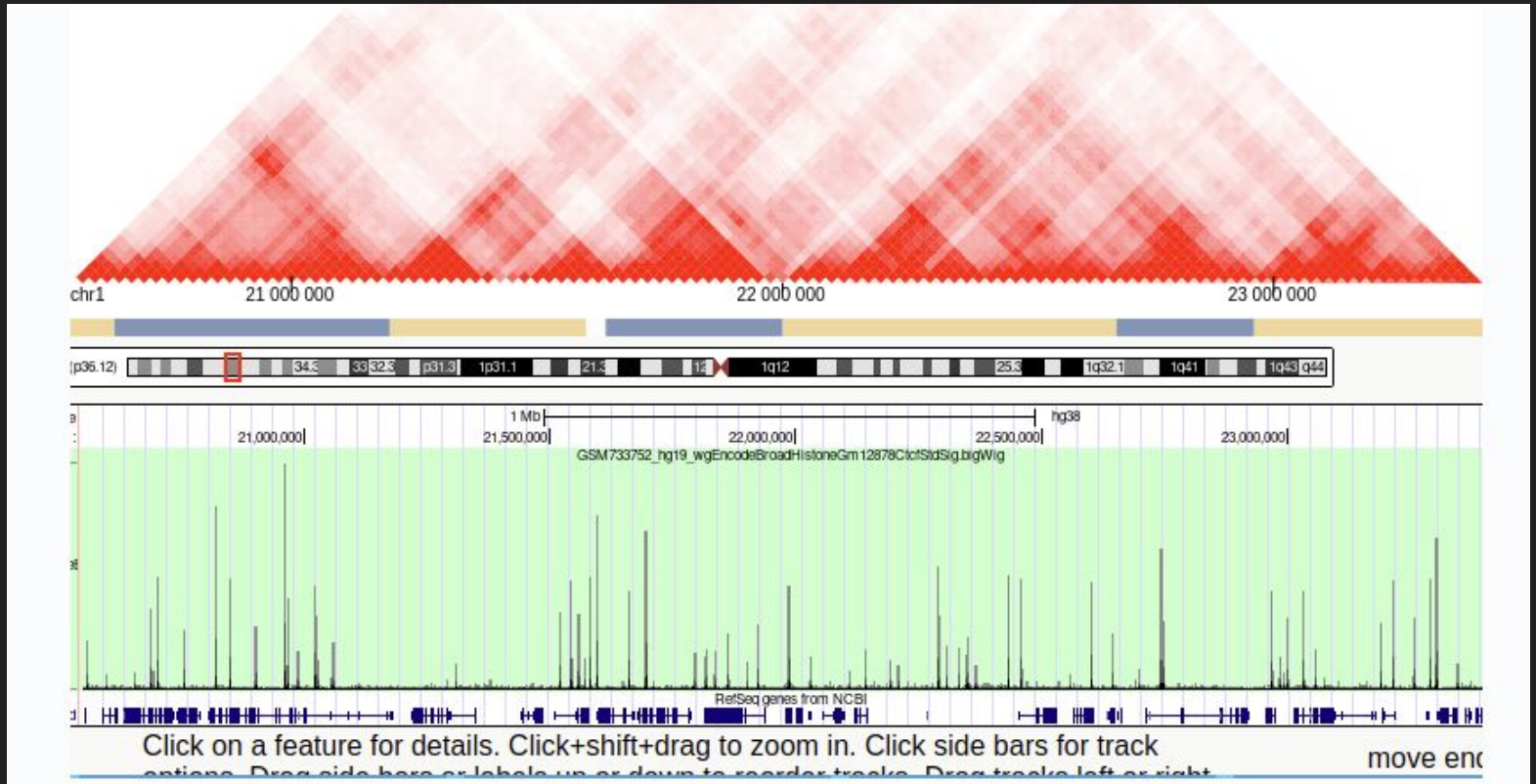
2. copy link to file

3. Load to UCSC browser
https://genome.ucsc.edu/cgi-bin/hgCustom?hgsid=1215389347_hu0Axh6LKtm1ANUdpwDqqMqpWXL0

4. Copy link to your UCSC browser session to 3d genome browser
http://3dgenome.fsm.northwestern.edu/view.php

3d genome browser




chr1
21 000 000
22 000 000
23 000 000
1q12
1 Mb
hg38
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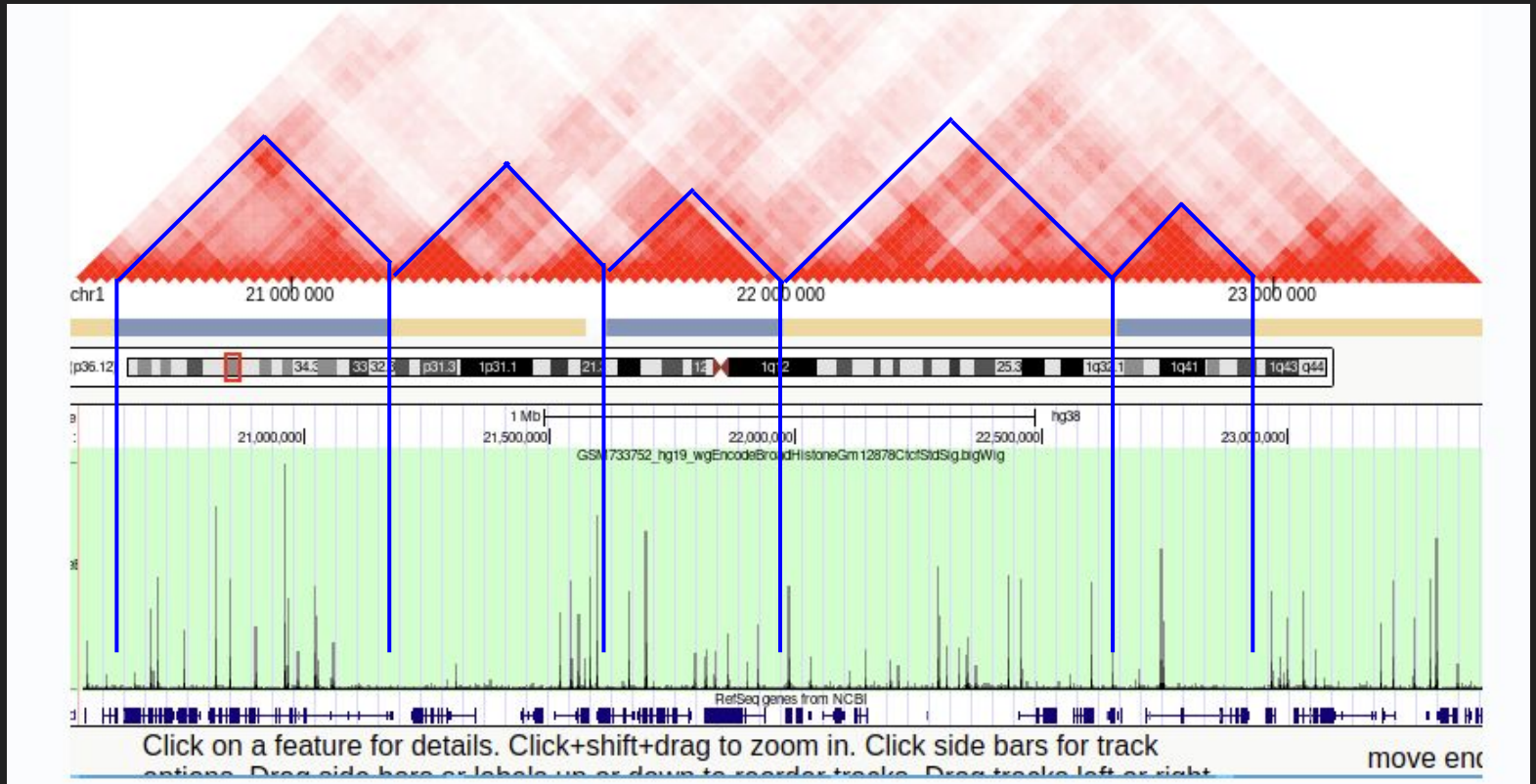
21,500,000
22,000,000
22,500,000
23,000,000
GSM733752_hg19_wgEncodeBroadHistoneGm12878CtcfStdSig.bigWig
RefSeq genes from NCBI
Click on a feature for details. Click+shift+drag to zoom in. Click side bars for track
move enc


chr1
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RefSeq genes from NCBI
Click on a feature for details. Click+shift+drag to zoom in. Click side bars for track
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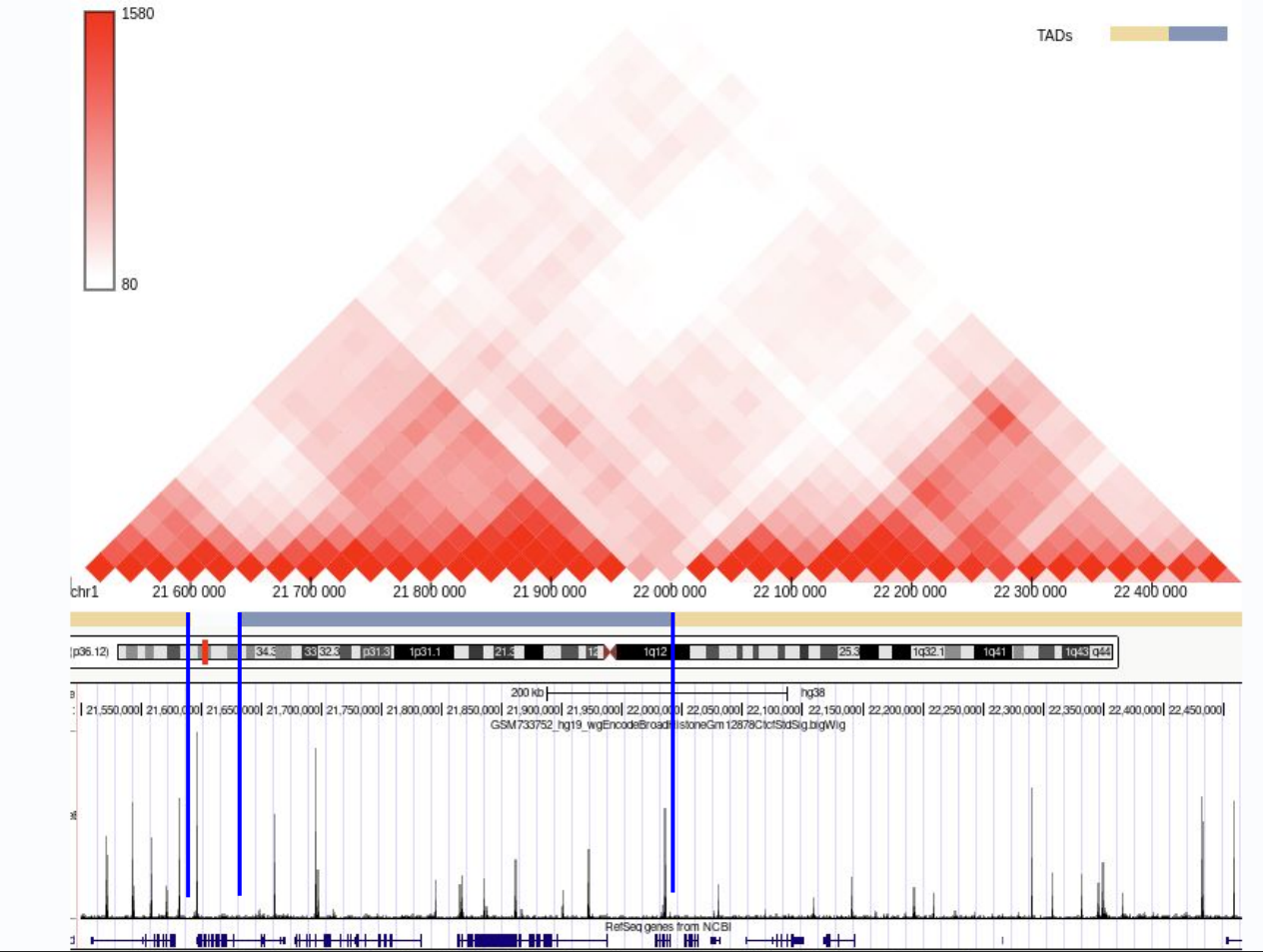
1580
80
TADs
chr1
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21 700 000
21 800 000
21 900 000
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200 kb
hg38
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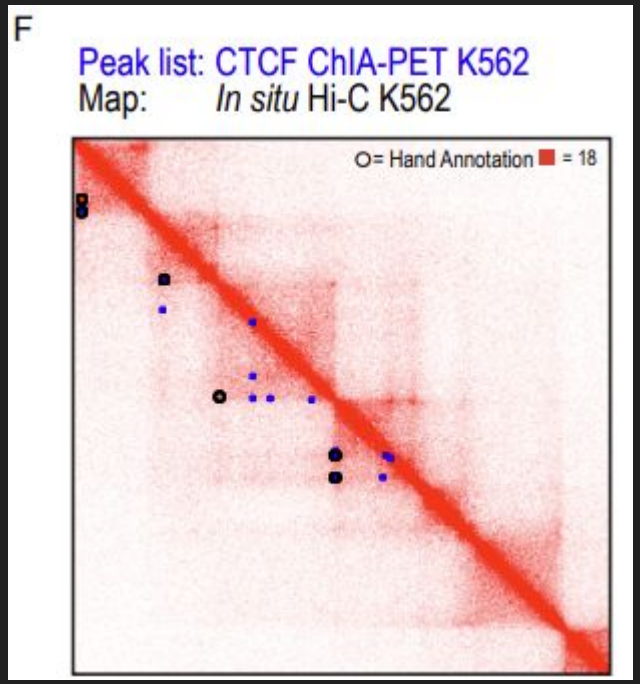
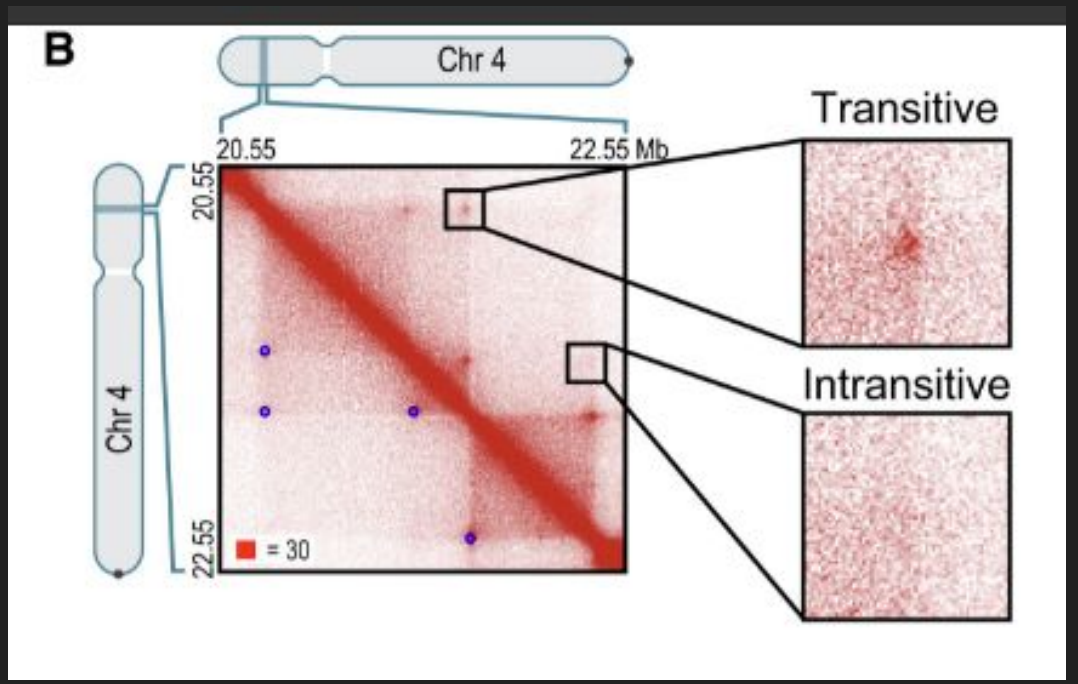
RefSeq genes from NCBI

TADs annotation