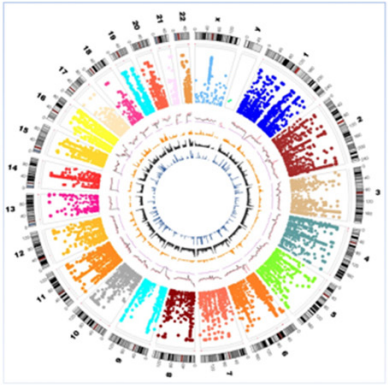
Option 1(GWAS)

（1）物种（下拉式菜单)

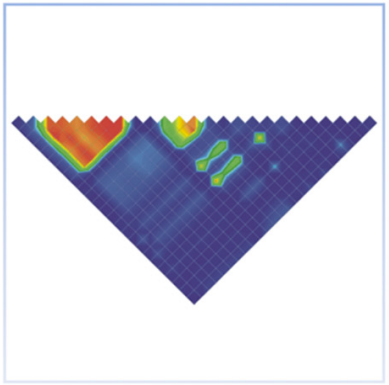
（2）性状（下拉式菜单)

返回ppt3的页面

LD expansion



来自Figure1



来自Figure2

**注：图比较大，应该提前产生

Summary table

chr	pos	ID	ref/alt	gene_locus	P-value	tf_motif	top_lead_ID	top_lead_p	top_lead_rsquare	mark	markbar
9	22052734	rs6475604	T/C	CDKN2B-AS1	0.434	TAF2_HM07219	rs1412829	2.19E-35	0.904	3D,CON,CS	
10	91011458	rs1332328	C/T	LIPA	0.410	BHLHE40_HM02850	rs1332328	5.24E-12	1	TOP,TD,3D	
9	21975319	rs36228834	T/A	AL359922.1,CDKN2A	0.404	HSF2_HM00128	rs3731249	1.44E-08	1	3D	

来自Table1.xlsx

Markbar说明➔ 绿色：3D 灰色：CON 红色：TOP 橙色：TD 蓝色：CS

选中第一行，返回ppt4-7页面

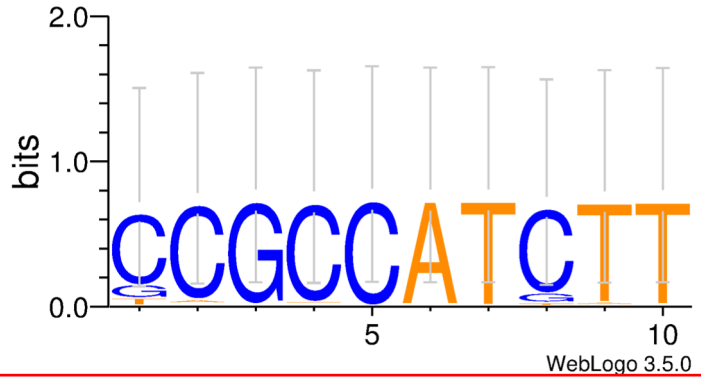
Variant summary	Functional annotation	Histone modification	Histone modification	Hi-C

Variant Annotation
9:22052734 | T/C | REGULATORY | ENSR00000233992 | NA
9:22052734 | T/C | INTRONIC | ENST00000428597 | CDKN2B-AS1

Variant summary	TF annotation	Histone modification	Conservation	Hi-C

Top possible factors altered by variant effect(5)

TAF2_HM07219 | T/C | -9.511429 -> -6.270105	
Factor	TAF2
ID	TAF2_HM07219
Genotype	T/C
Strand	+
Start	22052726
End	22052735
Relative Position	9
Binding Affinity Change	-9.511429 -> -6.270105
Allele Orientation	Probably decrease binding
Variant Affinity Effect	25.57
Effect P-value	3.34E-02
Motif	



来自Table2.xlsx, Figure 3

Variant summary	TF annotation	Histone modification	Conservation	Hi-C

Histone Modification

Embryonic Stem Cell | HUES64 | H3K4me1	
chr	9
chromStart	22052423
chromEnd	22052759
Signal	3.6674
-logP	6.50392
ProfileSource	GSM772800
CellLine	Embryonic Stem Cell
CellType	HUES64
MarkType	H3K4me1

Embryonic Stem Cell | HUES64 | H3K27ac	
chr	9
chromStart	22052439
chromEnd	22052977
Signal	4.99844
-logP	14.247
ProfileSource	GSM1009626
CellLine	Endothelial Cell
CellType	None
MarkType	H3K27ac

来自Table3.xlsx

Variant summary	TF annotation	Histone modification	Conservation	Hi-C

Conservation Aggregation	
chr	9
pos	22052734
anc	C
GC	0.38
CpG	0.01
scoreSegDup	.
priPhCons	0.973
mamPhCons	1
verPhCons	1
priPhyloP	0.651
mamPhyloP	2.583
verPhyloP	1.771
GerpN	5.22
GerpS	4.31
bStatistic	881
fitCons_all	0.23511
SiPhy	27.6214

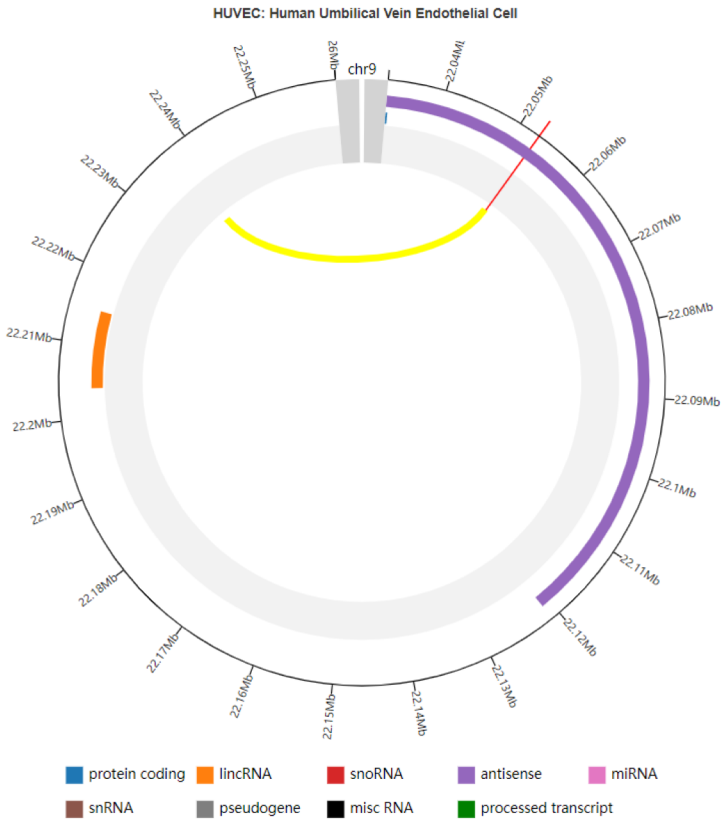
来自Table4.xlsx

Variant summary	TF annotation	Histone modification	Conservation	Hi-C

chr_1	start_1	end_1	chr_2	start_2	end_2	score	ID
9	22050000	22055000	9	22235000	22240000	1.6746	rs6475604

来自Table5.xlsx

点击后产生下图用的信息：
（1）上面HiC的表格
（2）hg19的GTF



**注：图比较小，可以交互产生

来自Figure4.png