

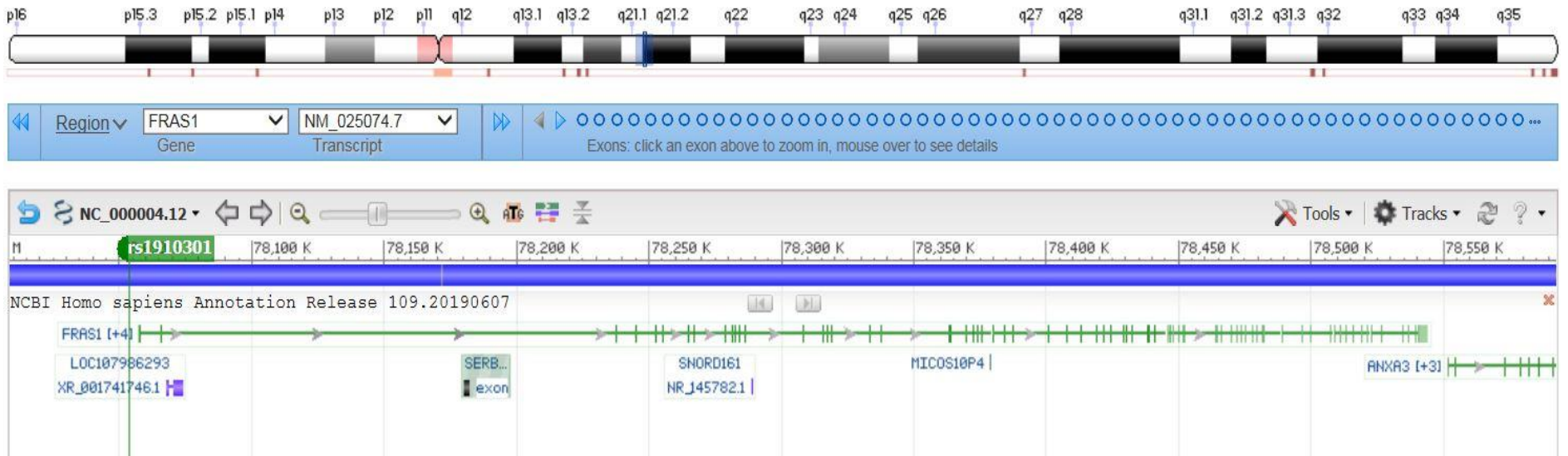
Supplemental Tables:

Supplemental Table 1. Results from the PHS/HPFS GWAS for SNPs in the 50 genes from the top 26 modules selected by dmGWAS.

Gene	SNP	P-value
ACACA	rs1473626	0.00731
AMPH	rs10276544	0.00486
ARHGAP10	rs10519917	0.00014
ARMCX2	rs2213369	0.00123
BRE	rs1546029	0.00038
CAP2	rs4712300	0.00074
CARS2	rs450514	0.00955
CHST11	rs312141	0.00018
CS	rs3816804	0.00084
DLGAP1	rs342484	0.00011
DOCK1	rs1006217	0.00063
E2F5	rs4150893	0.00060
ENAM	rs2609426	0.00003
FLI1	rs611307	0.00112
GBP3	rs1409150	0.00043
GLT8D2	rs17035135	0.02041
GRM7	rs17047073	0.00562
HTR1F	rs7653582	0.01115
IL18	rs360729	0.00020
LARGE	rs4420793	0.01027
MRPL1	rs1910301	0.01853
NTSR2	rs4669767	0.06247
NUAK1	rs7133815	0.00137
NUP93	rs2399560	0.02295
PALLD	rs17650886	0.00040
PAR3	rs4934655	0.00724
PAR3B	rs7606468	0.00004
PDZRN3	rs9830956	0.00051
PPM1H	rs2839798	0.00668
PTPRD	rs159224	0.00024
RAPGEF5	rs13236317	0.00266
RERE	rs172531	0.00004
RERE	rs301801	0.00004
RNF141	rs1993819	0.00050
RPL28	rs12709950	0.00053

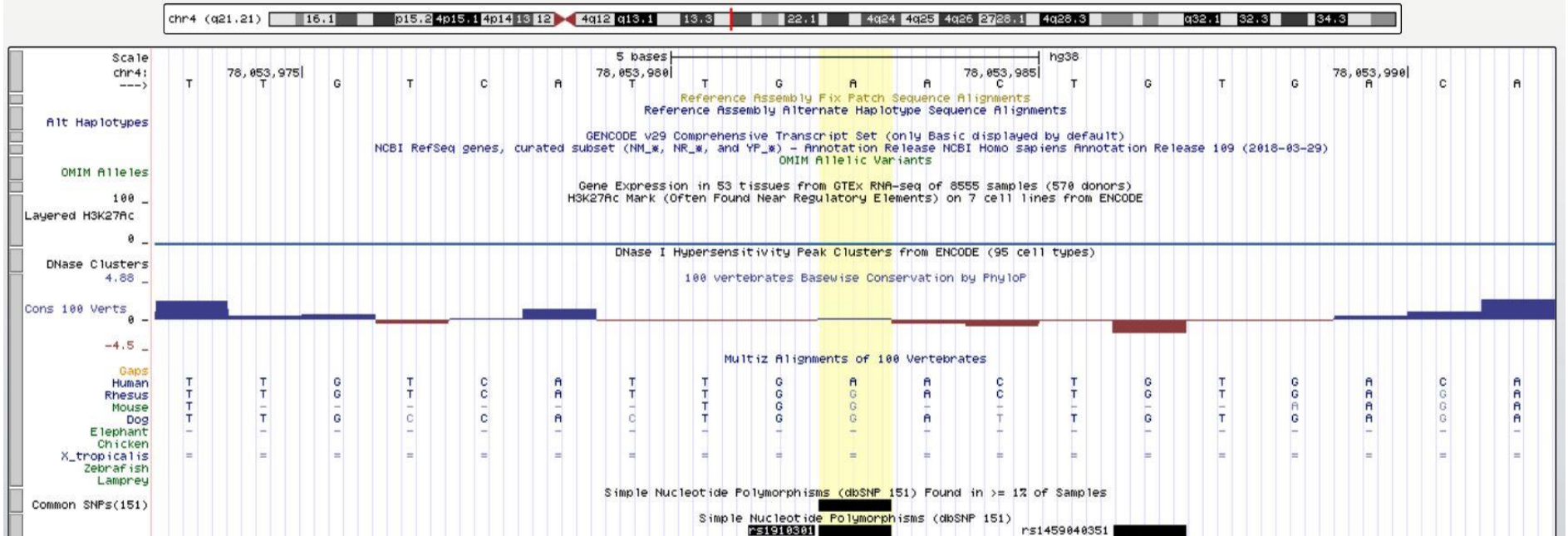
SCHIP1	rs9855092	0.01065
SLC17A4	rs1937131	0.00521
SLC17A4	rs7754296	0.00521
SMAD3	rs11637581	0.00180
SNCA	rs1471484	0.00340
SND1	rs3808115	0.00089
SORBS1	rs17537576	0.00804
SPOCK1	rs6596370	0.00524
SYNPO2	rs11938552	0.00394
TACC2	rs7078373	0.00052
THADA	rs10445925	0.01135
THBS2	rs9371115	0.00650
TLE4	rs2047995	0.01060
TP53I11	rs12364175	0.00835
TXNDC5	rs197119	0.00025
UBE2S	rs12709950	0.00053
ZNRF1	rs1043509	0.00013

Supplemental Figure 1A:



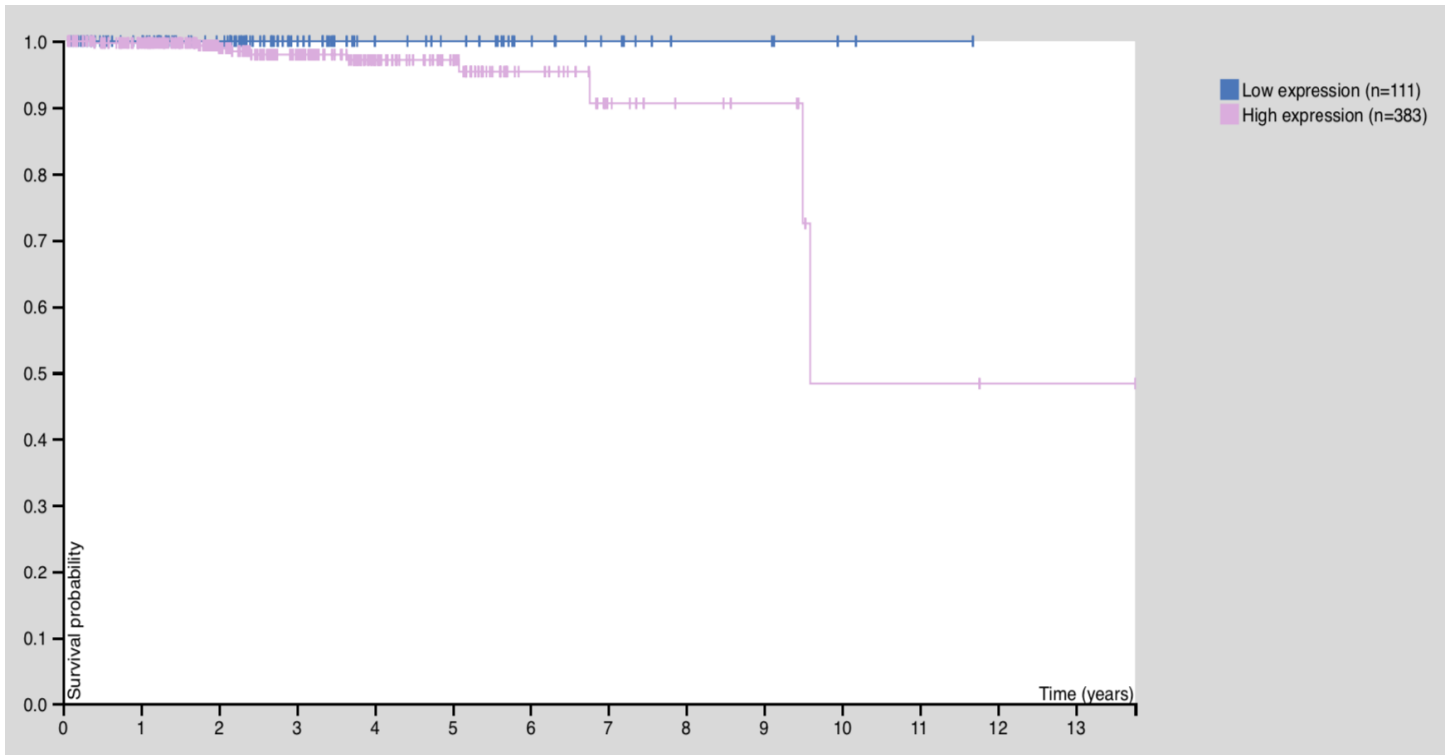
Screenshot from <https://www.ncbi.nlm.nih.gov/snp/rs1910301> from Jul 11, 2019

Supplemental Figure 1B:



Screenshot from UCSC Genome Browser from Jul 11, 2019 [search: rs1910301, Human Assembly Dec, 2013, (GRCh38/hg38)].

Supplemental Figure 2



<https://www.proteinatlas.org/ENSG00000138759-FRAS1/pathology/tissue/prostate+cancer#ihc>

Supplemental Figure 3: <https://gtexportal.org/home/snp/rs1910301>

