A: SNP×SNP −log10(p)

11:002159830
07:050959497
06:159044945
06:033081408
06:033077179
06:032659936
06:032658707
06:032658670
06:032655446
06:032644524
06:032644083
06:032635435
06:032634974
06:032630313
06:032616083
06:032616043
06:032615766
06:031358273
02:162254026

02:162254026 06:031358273 06:032615766 06:032616043 06:032616083 06:032630313 06:032634974 06:032635435 06:032644083 06:032644524 06:032655446 06:032658670 06:032658707 06:032659936 06:032704437 06:033077179 06:159044945 07:050959497 11:002159830

−log10(p)
1.0
0.5

B: Significant SNP−SNP network (p<0.05)

Showing rsIDs and CHR:POS for significant pair(s)

rs2395228 (06:032655446)

rs9469200 (06:032635435)

weight
1.462711

C: Interacting SNPs (Chr6, 32.63−32.66 Mb)

Genotype counts (beneath each rsID): 0=homozygous ref, 1=heterozygous, 2=homozygous alt

rs9469200
06:032635435

rs2395228
06:032655446

0/1/2 = 308/24/0

0/1/2 = 139/162/31

32.635 32.640 32.645 32.650 32.655

Position (Mb)

D: Antigen processing & presentation (KEGG hsa04612)

Highlighted: MHC−II ./. (HLA−DQA2 / HLA−DQB1) containing the interacting SNPs

rs9469200 (06:032635435)
rs2395228 (06:032655446)

APC / Endosome (MHC−II loading)

HLA−DM/DO

HLA−DQA2 / HLA−DQB1 (MHC−II ./.)

Peptide−MHC−II complex

TCR

CD4

0 2 4 6 8

0.0 2.5 5.0 7.5 10.0