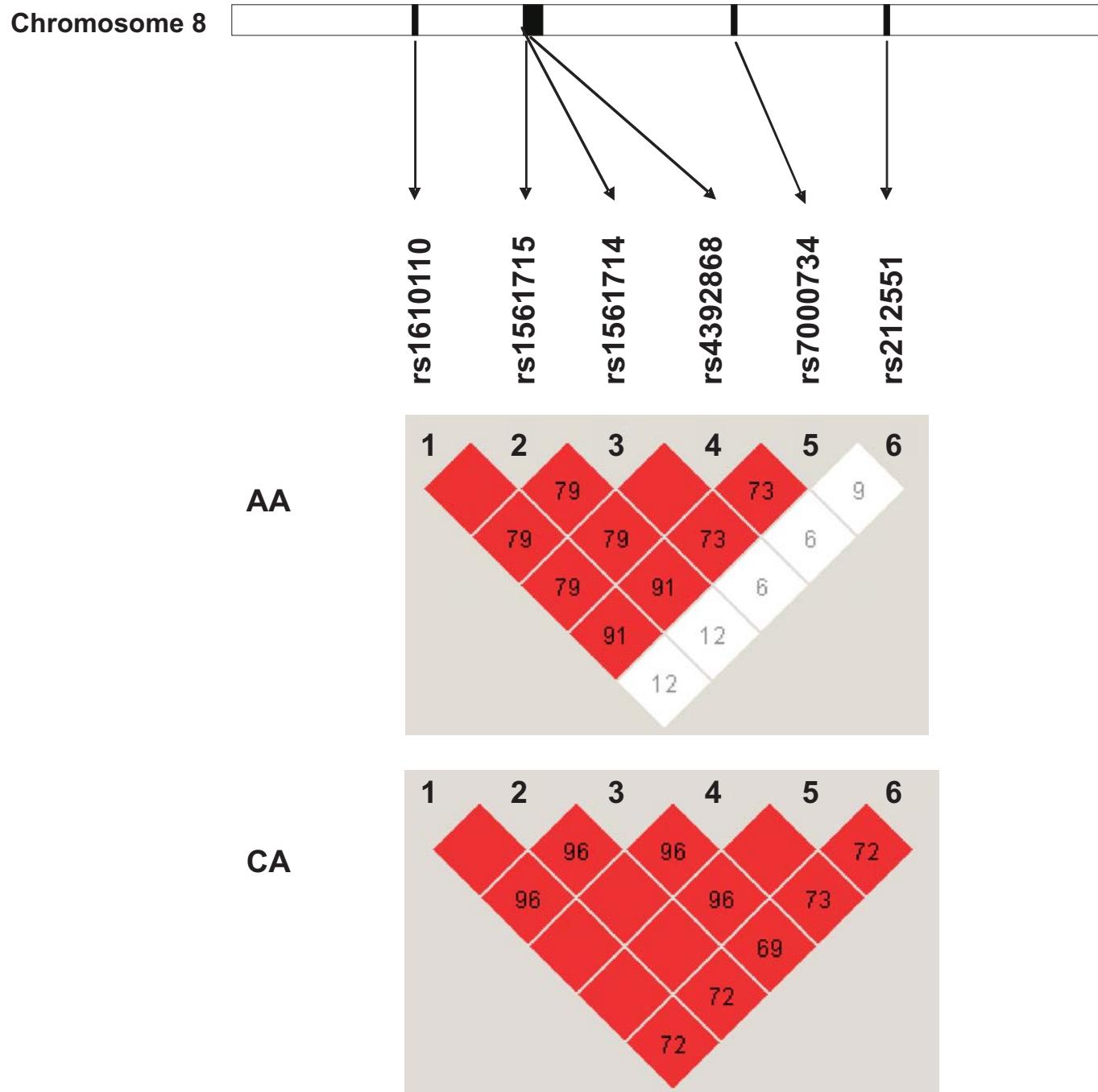
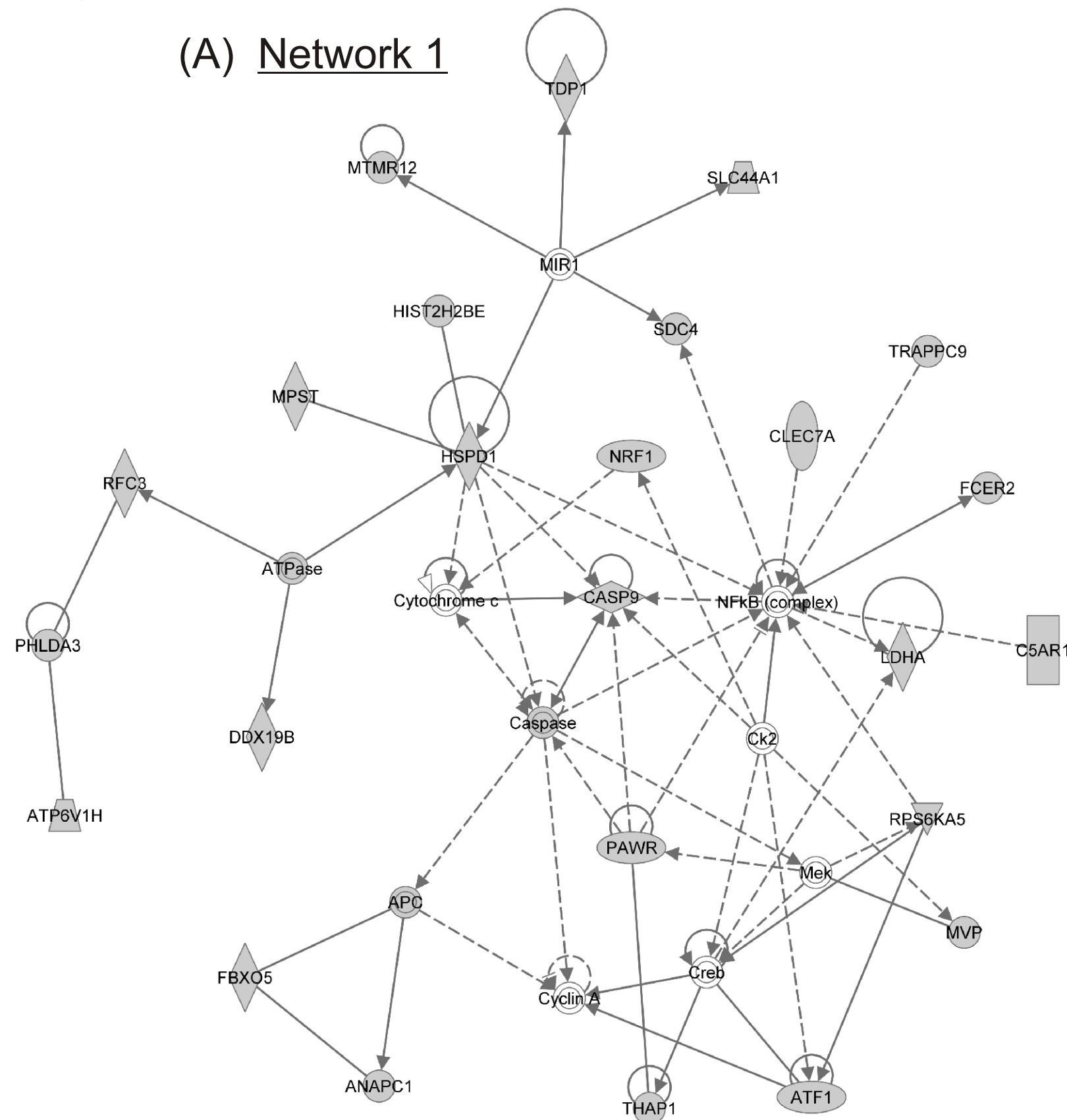


Supplementary Figure 1. Linkage disequilibrium analysis for 6 top SNPs on chromosome 8, locus “8C”, in AA and CA subjects.

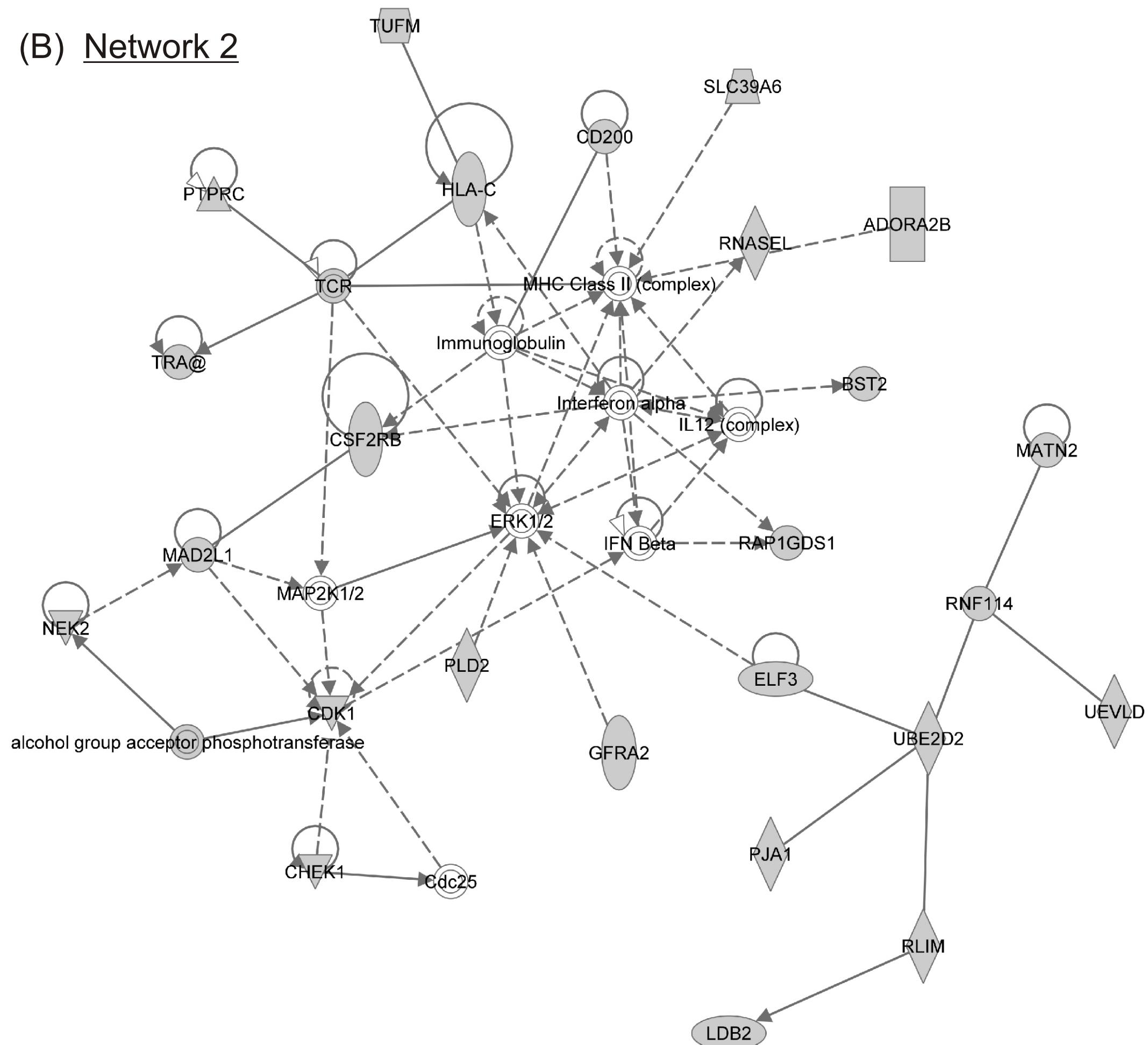


Supplementary Figure 2. Ingenuity Pathway Analyses

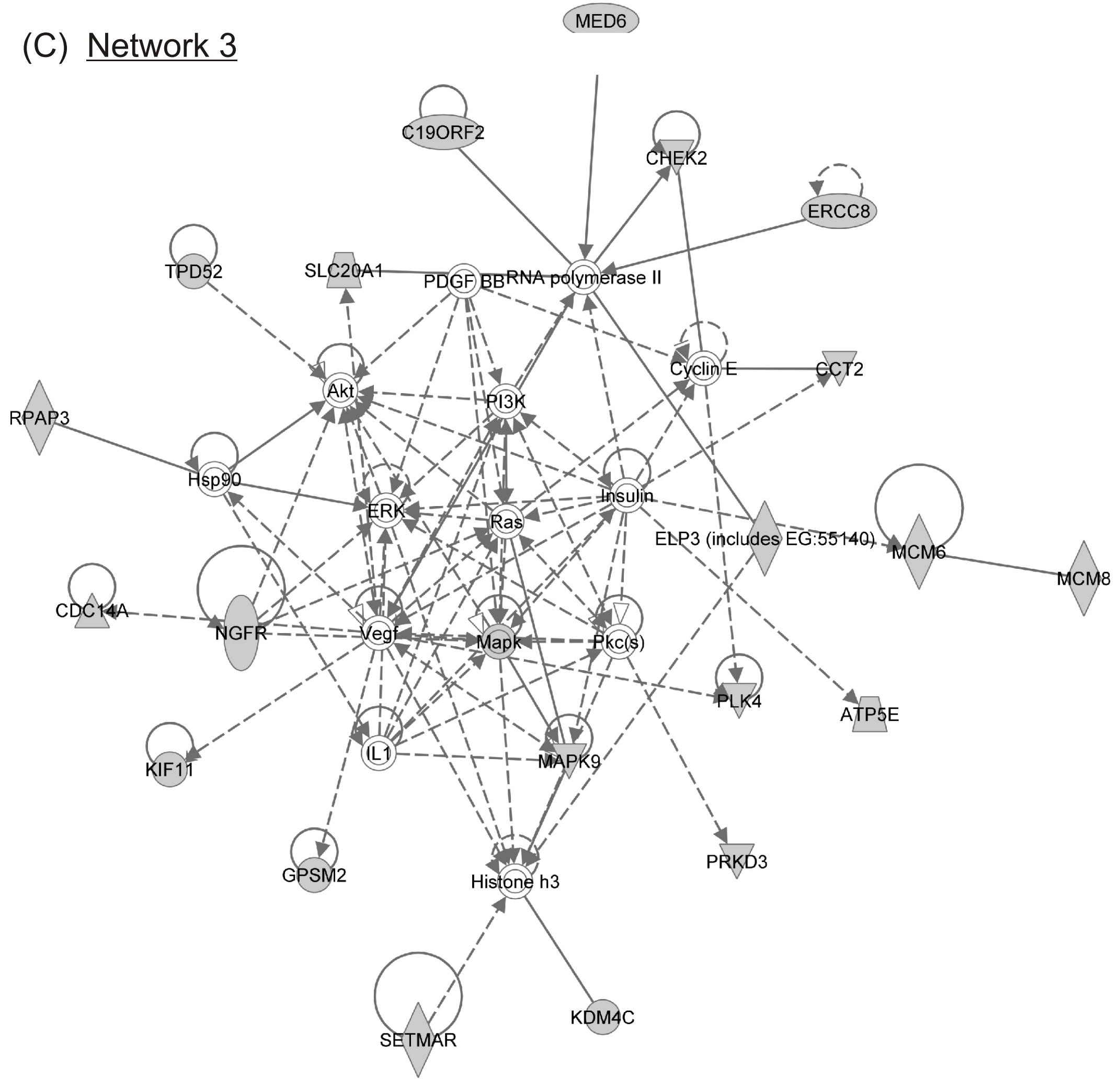
A total of 240 candidate genes, including 211 genes from either expressoin vs AUC correlations (p value $<10^{-3}$) or from “integrated analyses” (SNP vs Expression p value $<10^{-4}$, and Expression vs AUC p value $<10^{-3}$), and 29 genes from 27 “loci” that were associated with radiation AUC, with each locus containing at least 2 SNPs within 50kb with p values $<10^{-4}$, were used in the network analyses.



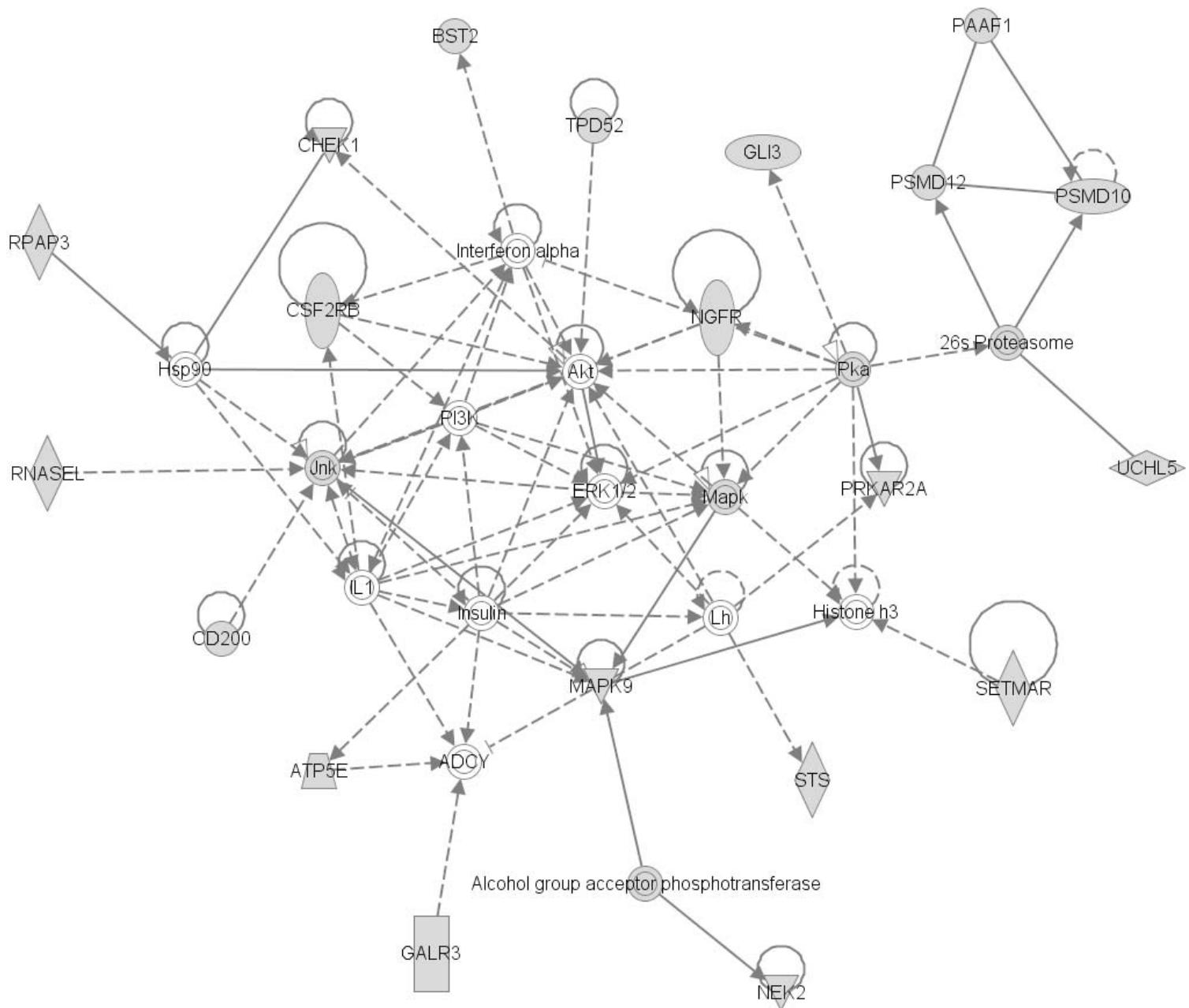
(B) Network 2



(C) Network 3



(B) Network 2



(C) Network 3

