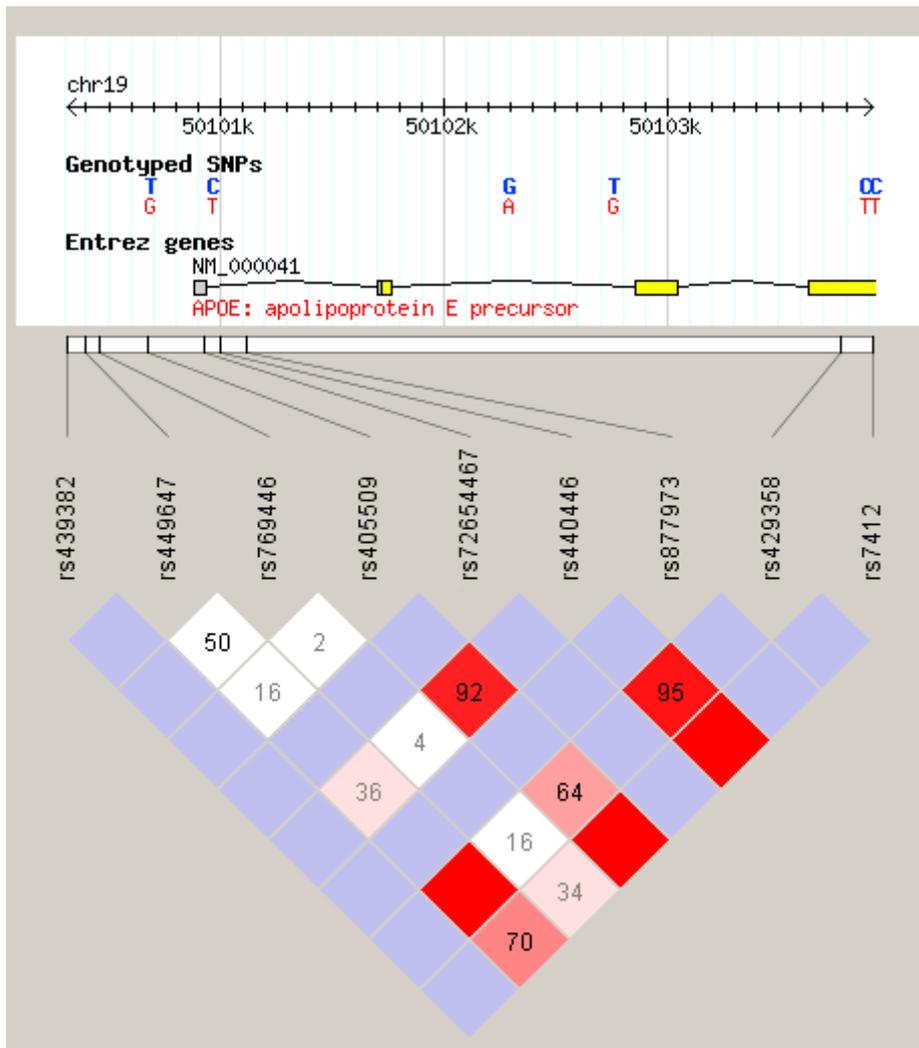


Additional file 1.



Haplotype analysis of the SNPs representative for *APOE* locus.

Results of the haplotype analysis of the SNPs representative for *APOE* locus based on the data retrieved from the HapMap Project database. The analysis was performed using Haploview software [10]. In the upper part of the scheme physical map of the corresponding fragment of the chromosome 19 is presented, the middle section shows exact intronic/exonic localization of the genotyped SNPs and the lower part illustrates identified associations.

Color code reflects the strength of association:

WHITE COLOR: $D' < 1$, $LOD < 2$ - insignificant;

BLUE COLOR: $D' = 1$ $LOD < 2$ high degree of recombination;

INTENSITY OF THE RED COLOR: $D' < 1$; $LOD = 2$ reflects the strength of association, the maximum of intensity is reached at $D' = 1$, $LOD = 2$ – high level of association. The numbers on the diamonds show D' value multiplied by 100.