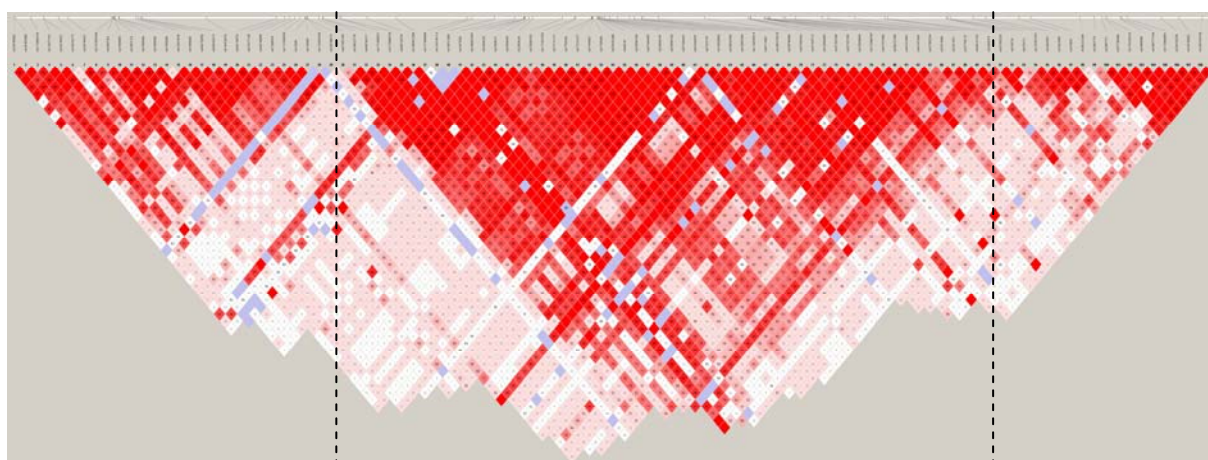
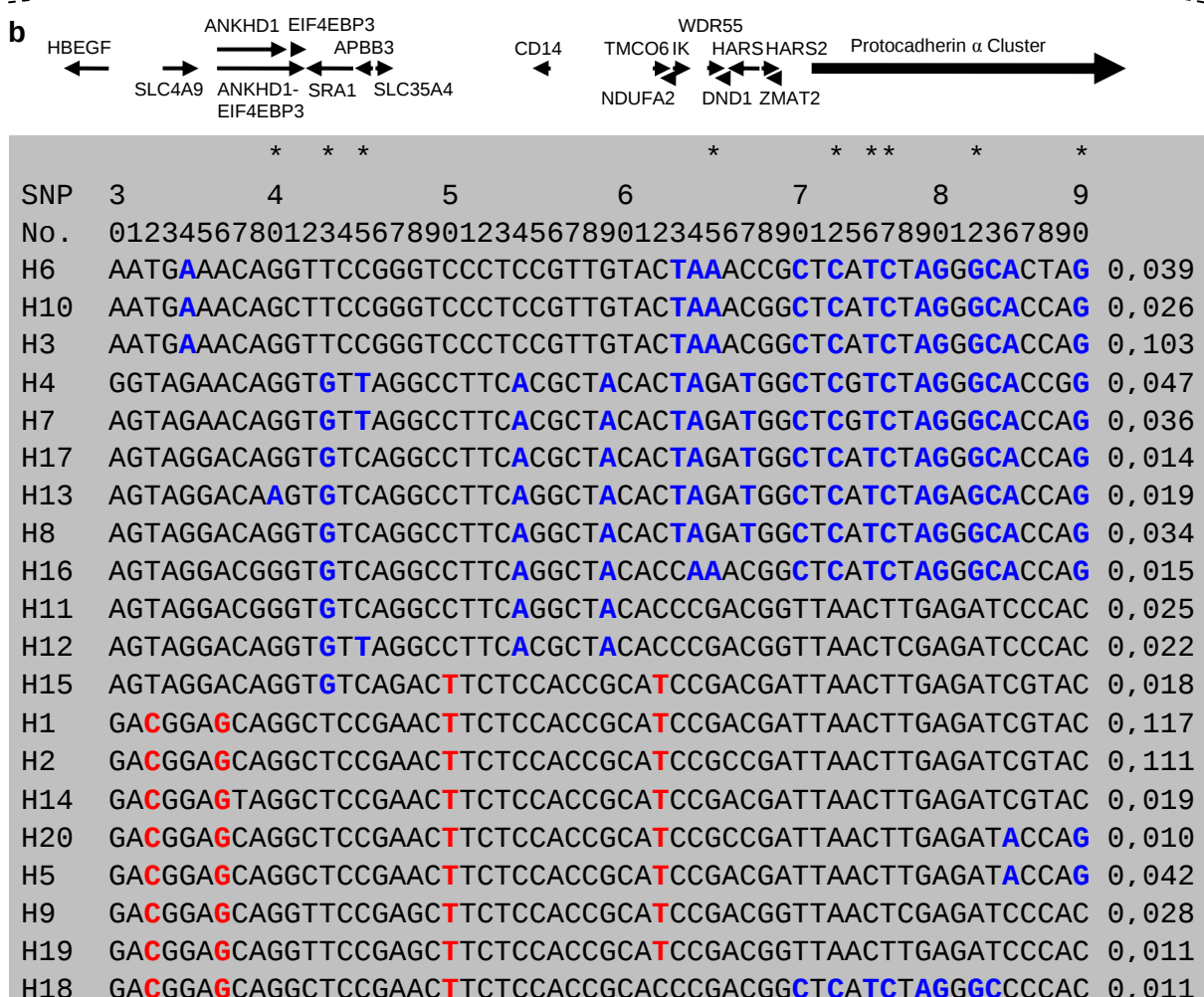


Supplementary Fig. 1: LD structure and haplotypes of the CM-cluster.

a



b



Legend to Supplementary Fig. 1:

(a) LD map of the 109 SNPs in study sample A. The LD block harboring the CM-cluster is separated from the adjacent blocks due to substantial recombination. D' values for pairwise LD are represented by colored boxes (bright red = $D' > 0.8$). **(b)** Haplotypes of CM-cluster. For refSNP IDs corresponding to SNP numbers see Supplementary Table 4. Frequencies of haplotypes are given on the right, haplotypes are numbered according to their frequency (H1 = highest, H20 = lowest frequency). The position and gene symbols for sixteen genes and a gene cluster relative to the SNP positions are indicated above. Full gene names are specified in Supplementary Table 5. Associated non-synonymous SNPs are marked by asterisks (*). Minor alleles of significantly associated SNPs are highlighted in red in case of positive associations with cardiomyopathy and in blue in case of negative associations with cardiomyopathy.