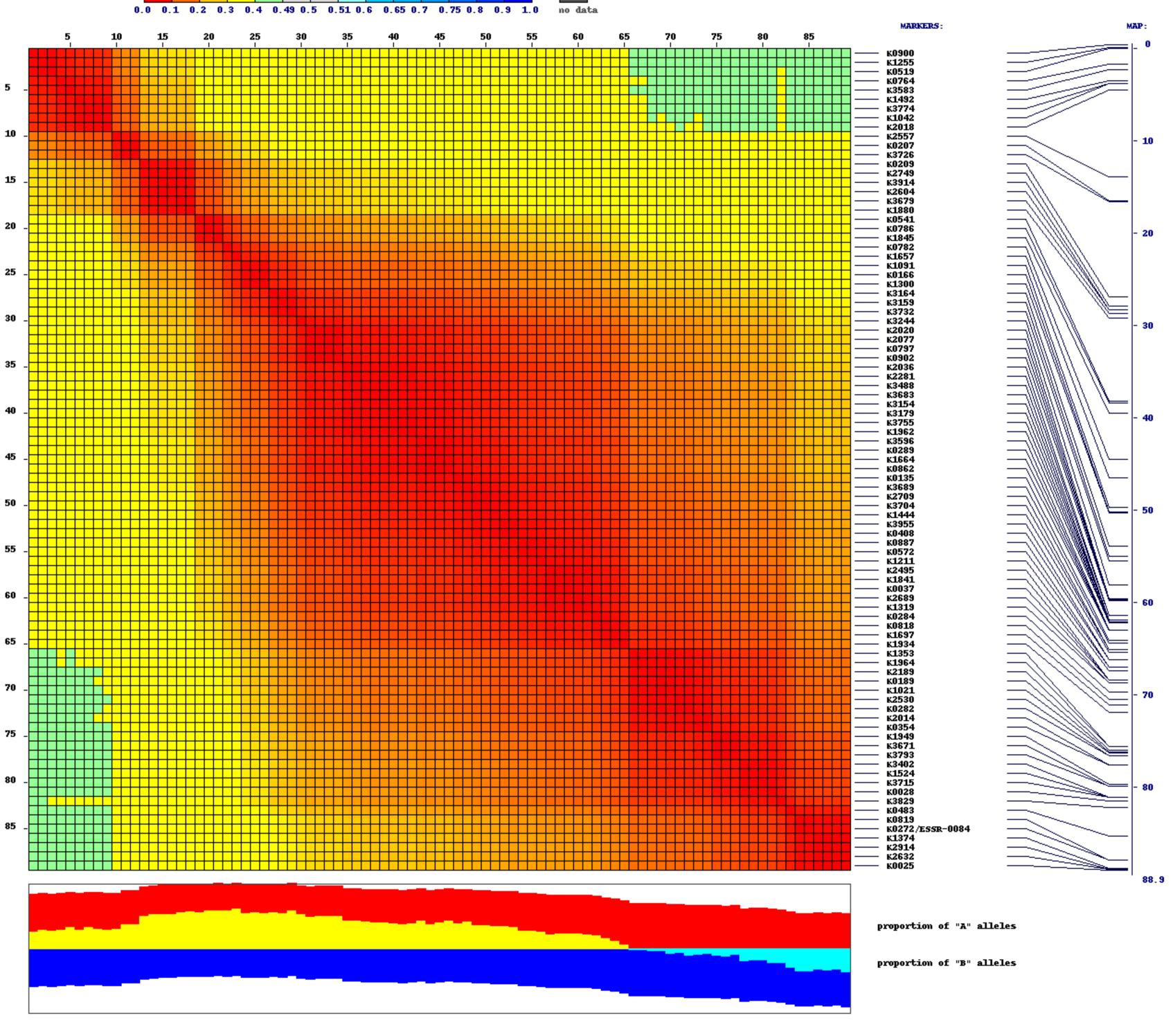
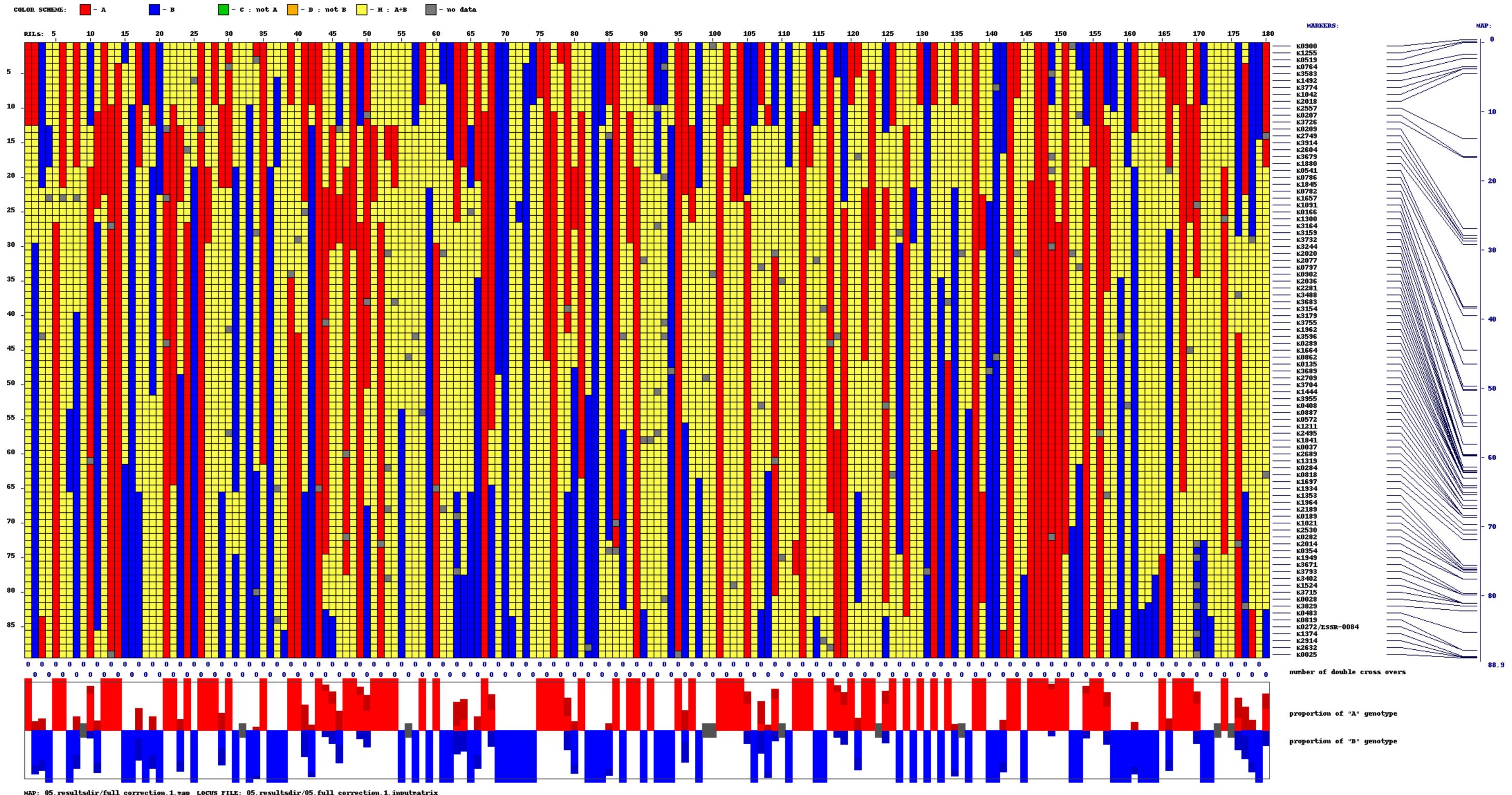
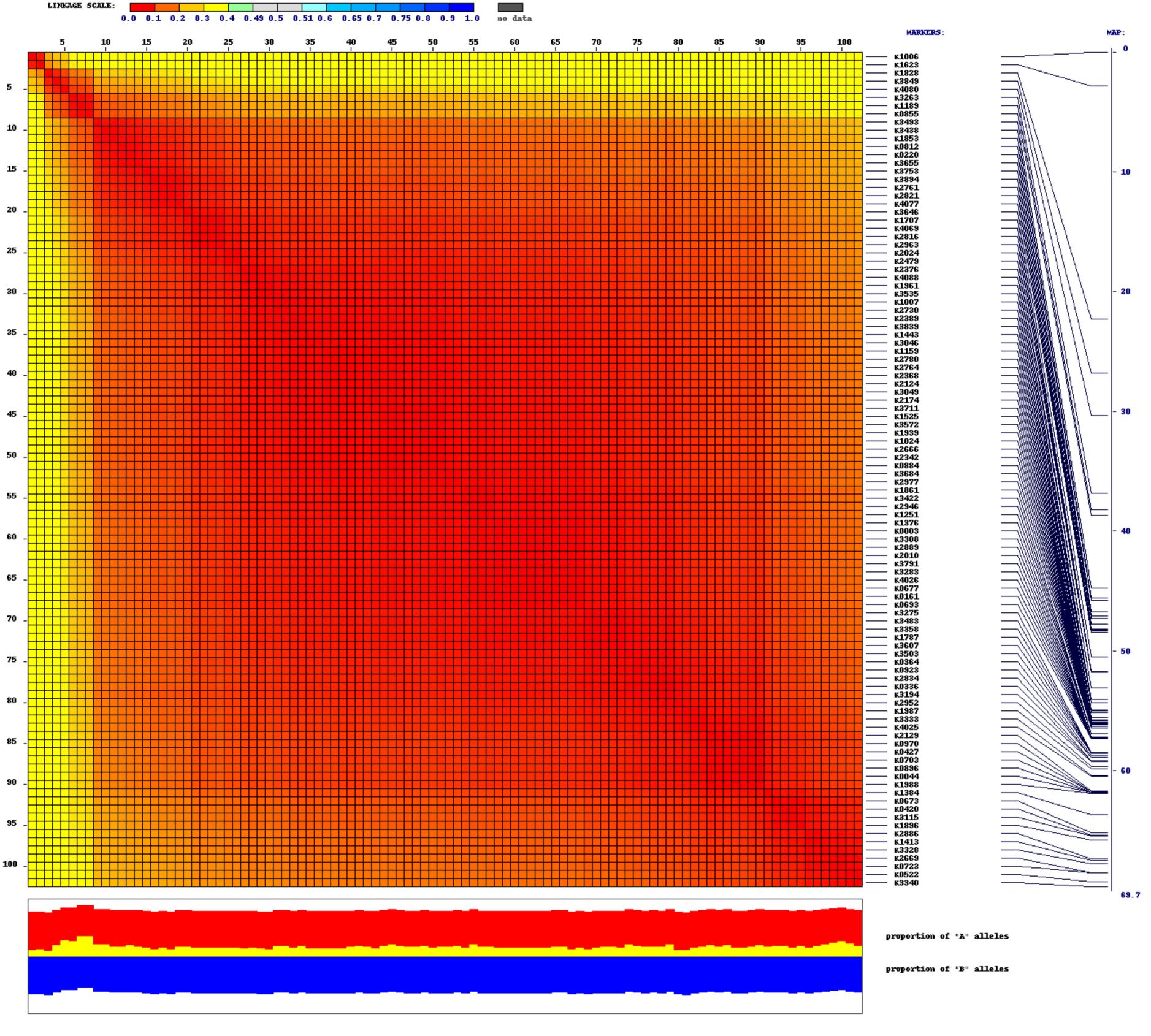
Additional file 5. Marker genotype analysis in individuals of 70349 mapping population displayed vertically across the nine carrot linkage groups using Checkmatrix. The full set of mapped markers (N= 894) was analyzed here. The genotypes are arranged along the x-axis and the loci are displayed in linear order along the y-axis. Red indicate parent A allele; blue indicate parent B allele; yellow indicated heterozygote loci; gray indicate missing data. For each chromosome and from right to left; the linkage group (LG) is represented graphically (with genetic distances on the right), followed by a column indicating the number of inconsistent scores (whenever present) for a given map position of the LG, followed by column listing the marker's ID. The horizontal graph in the lower part of the image shows the relative proportion of the two parental haplotypes and the number of double crossovers for each individual.

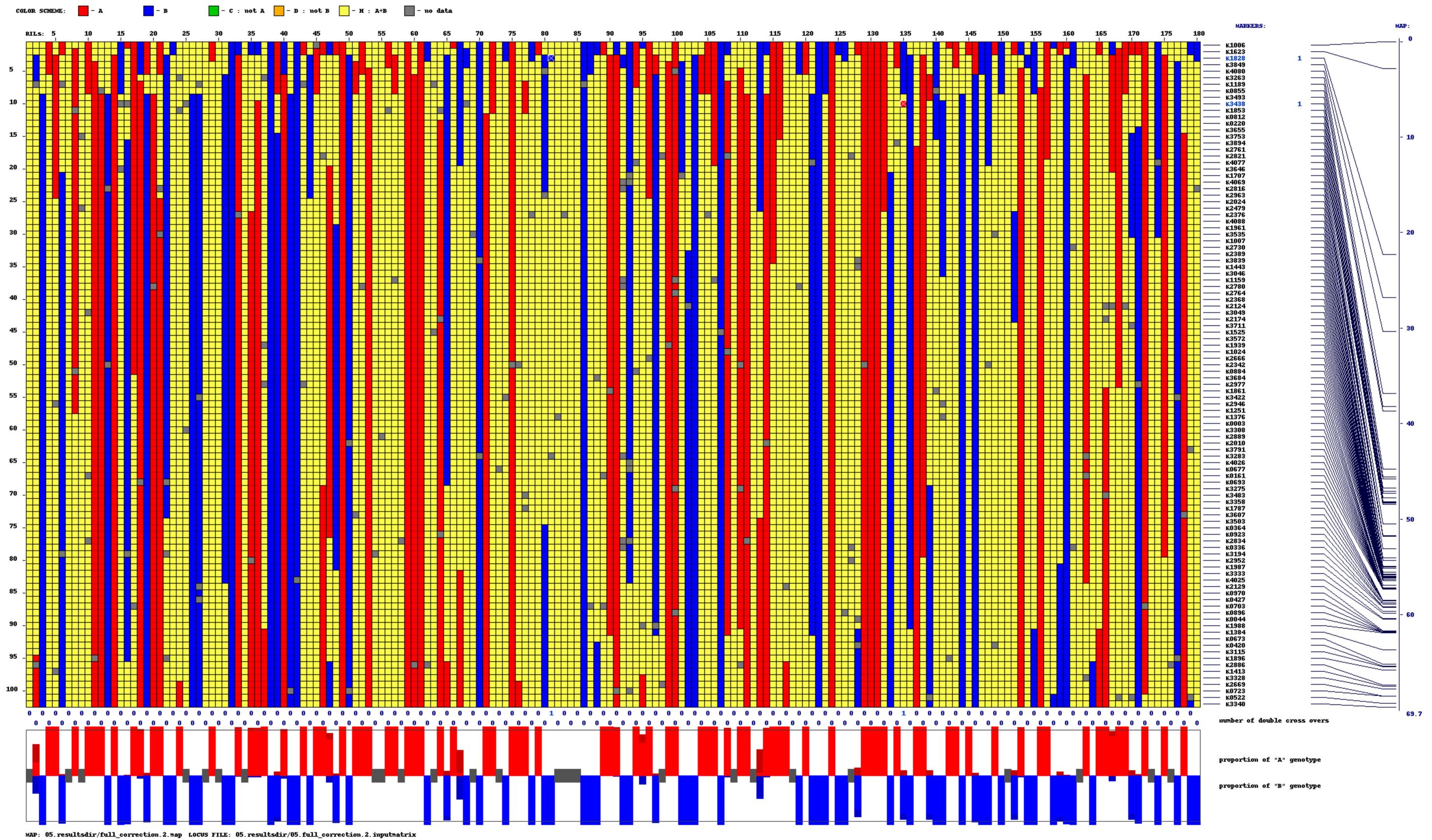
Chromosome 1 - Page 2

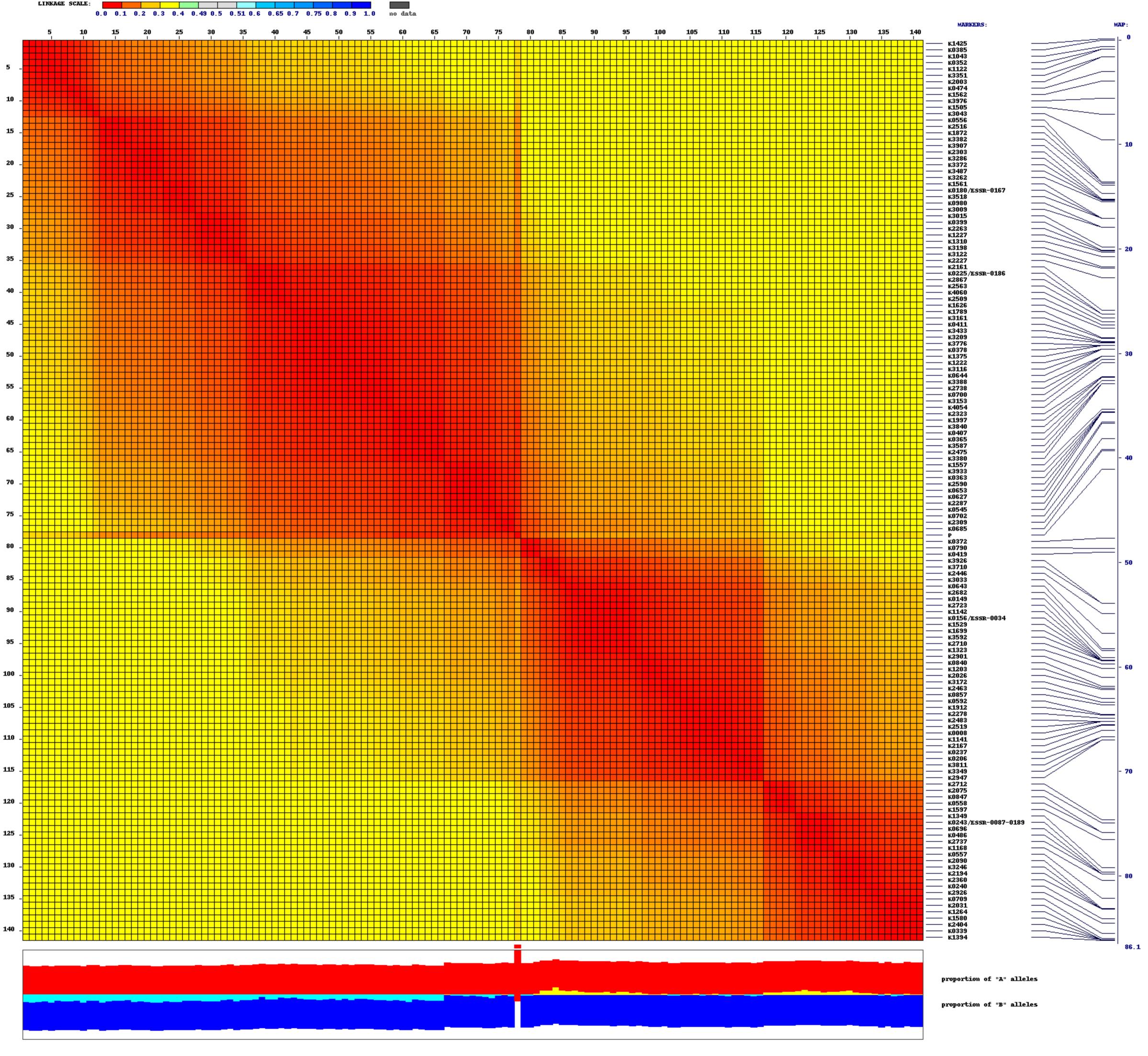


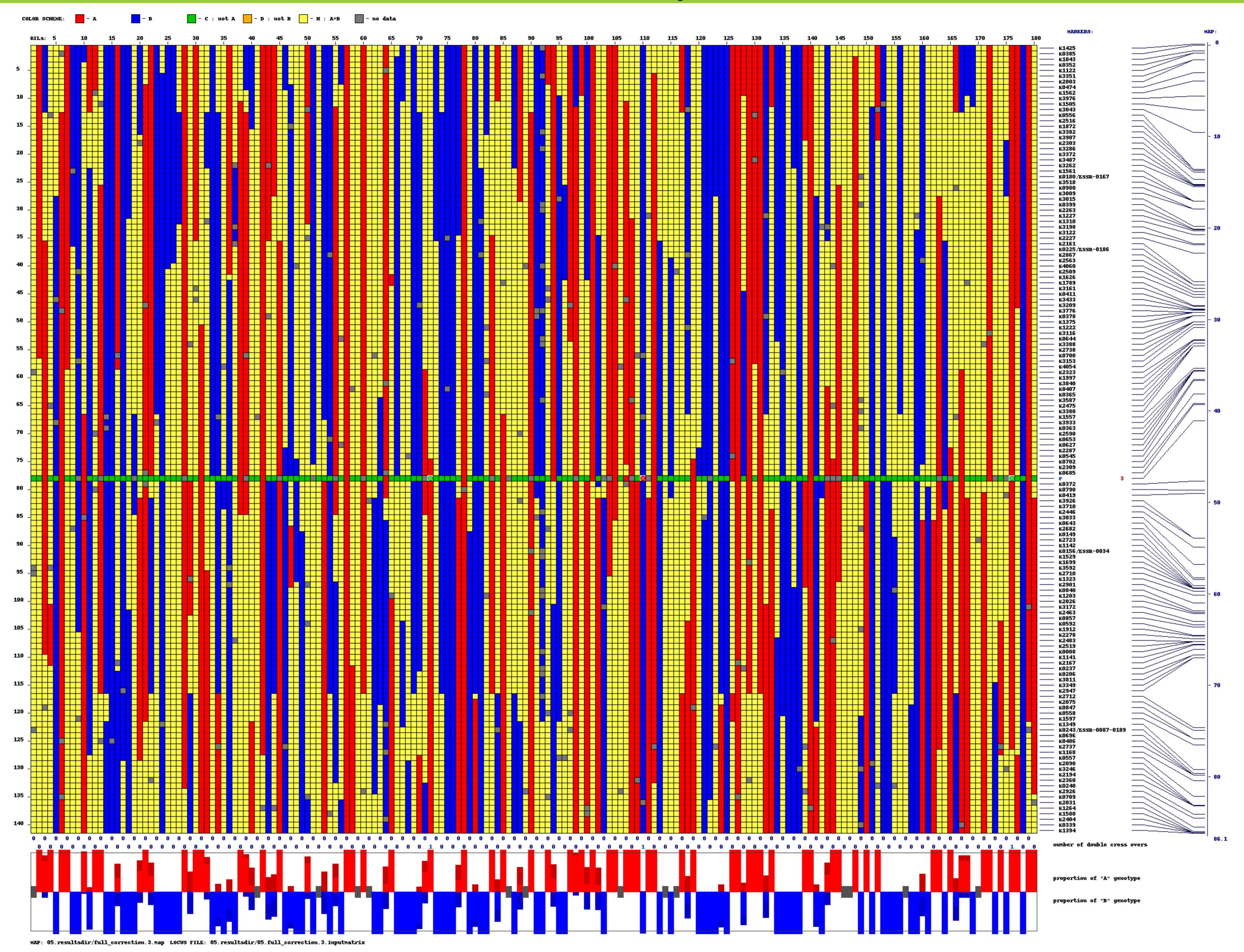
LINKAGE SCALE:

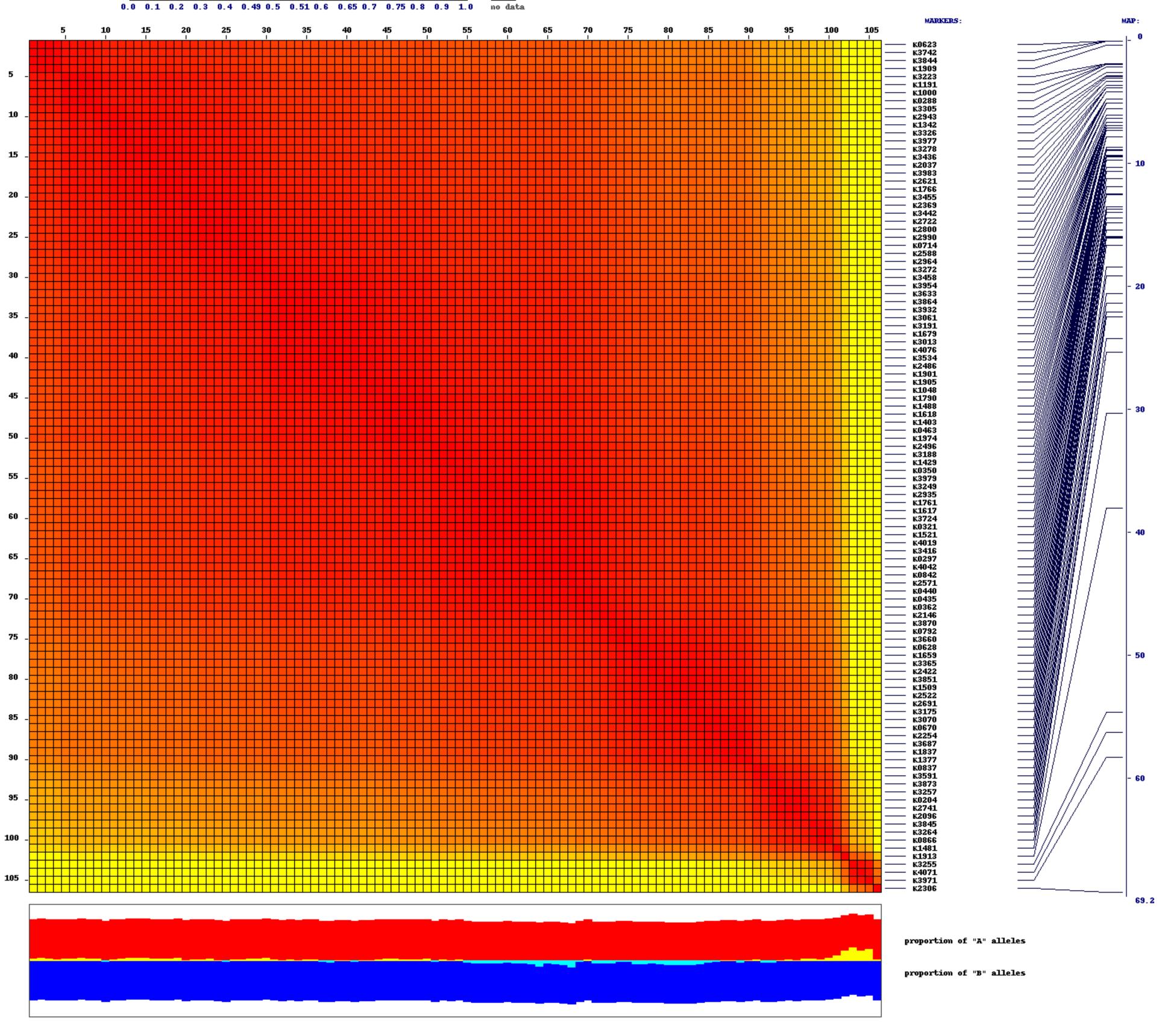


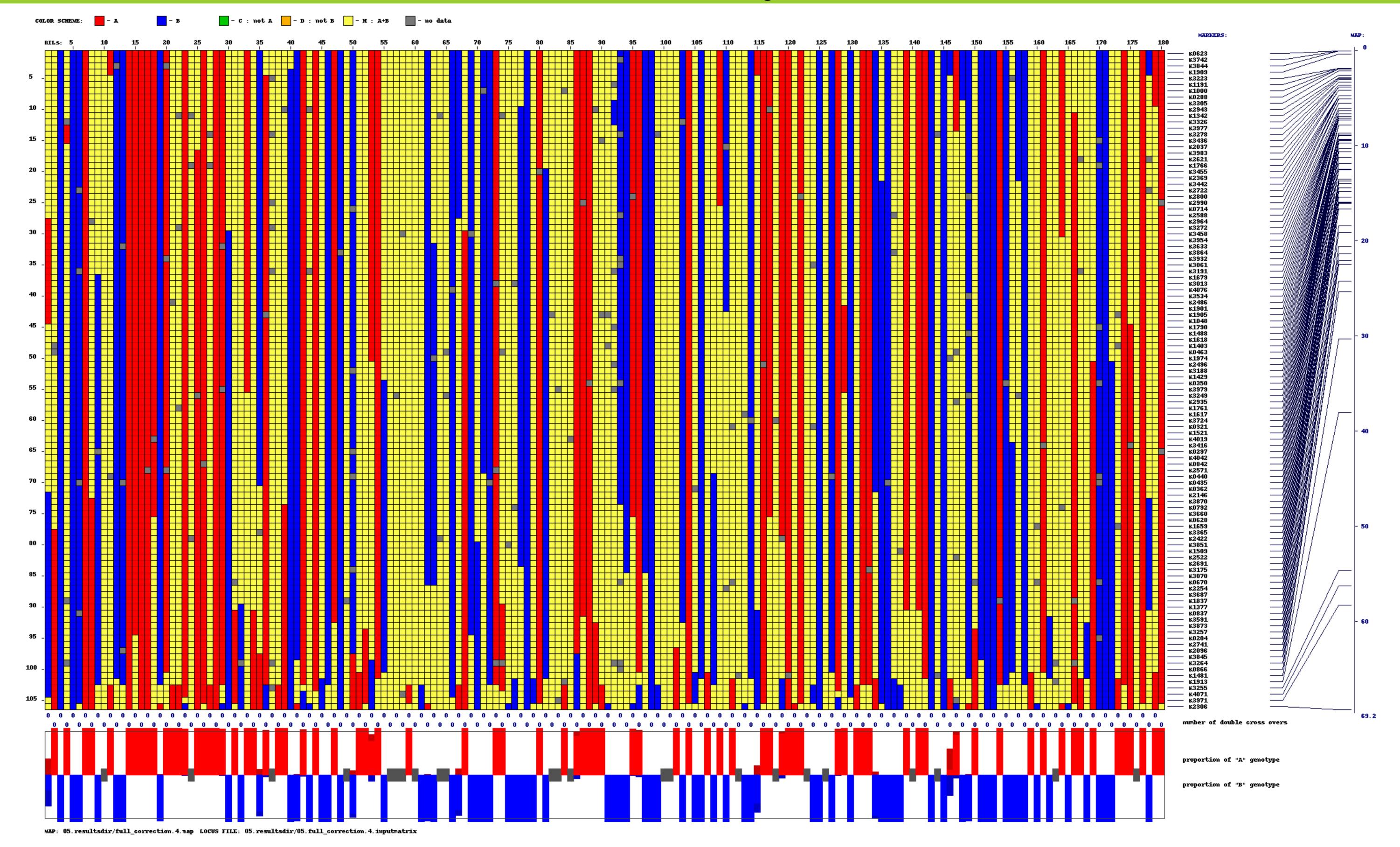


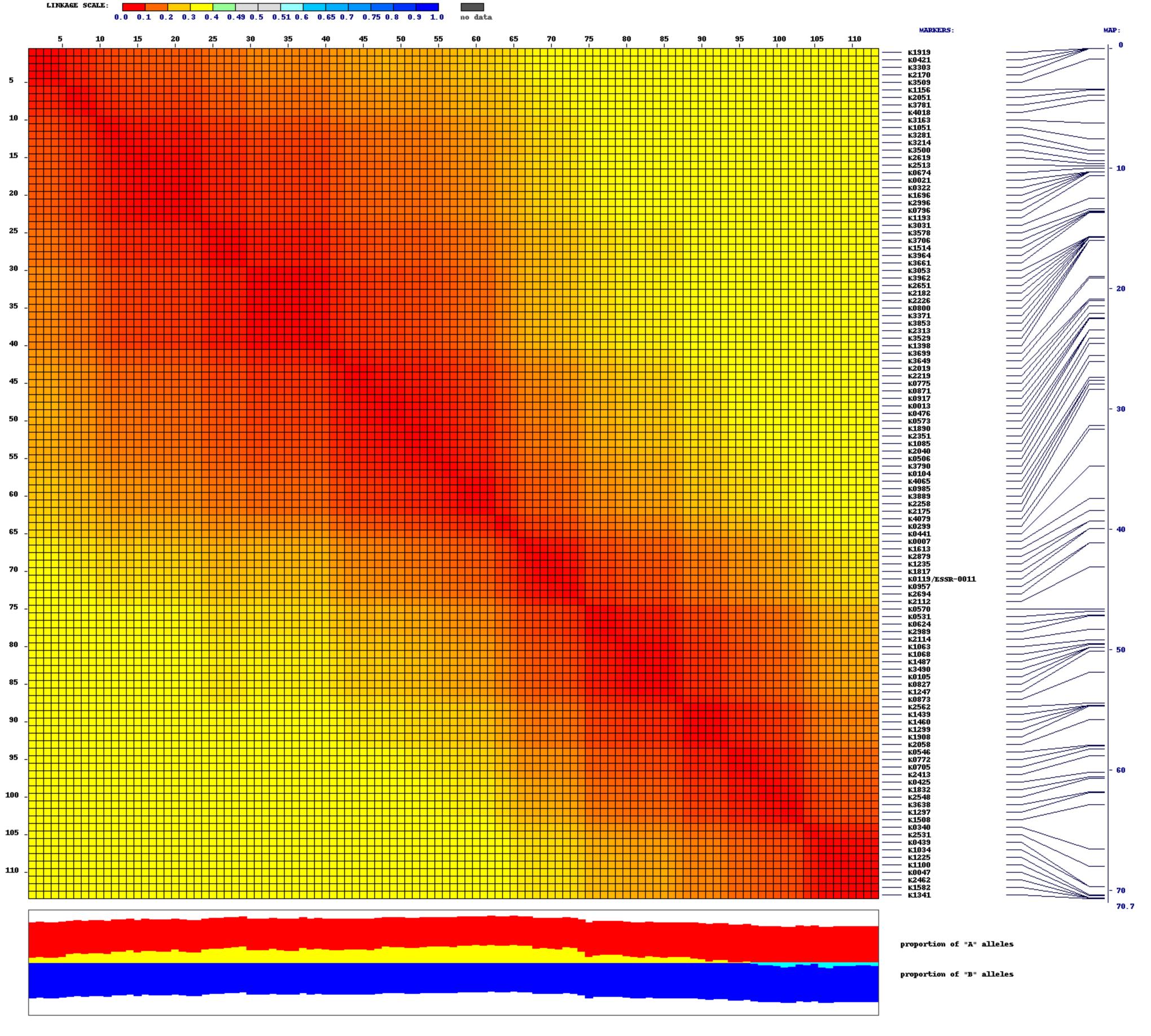


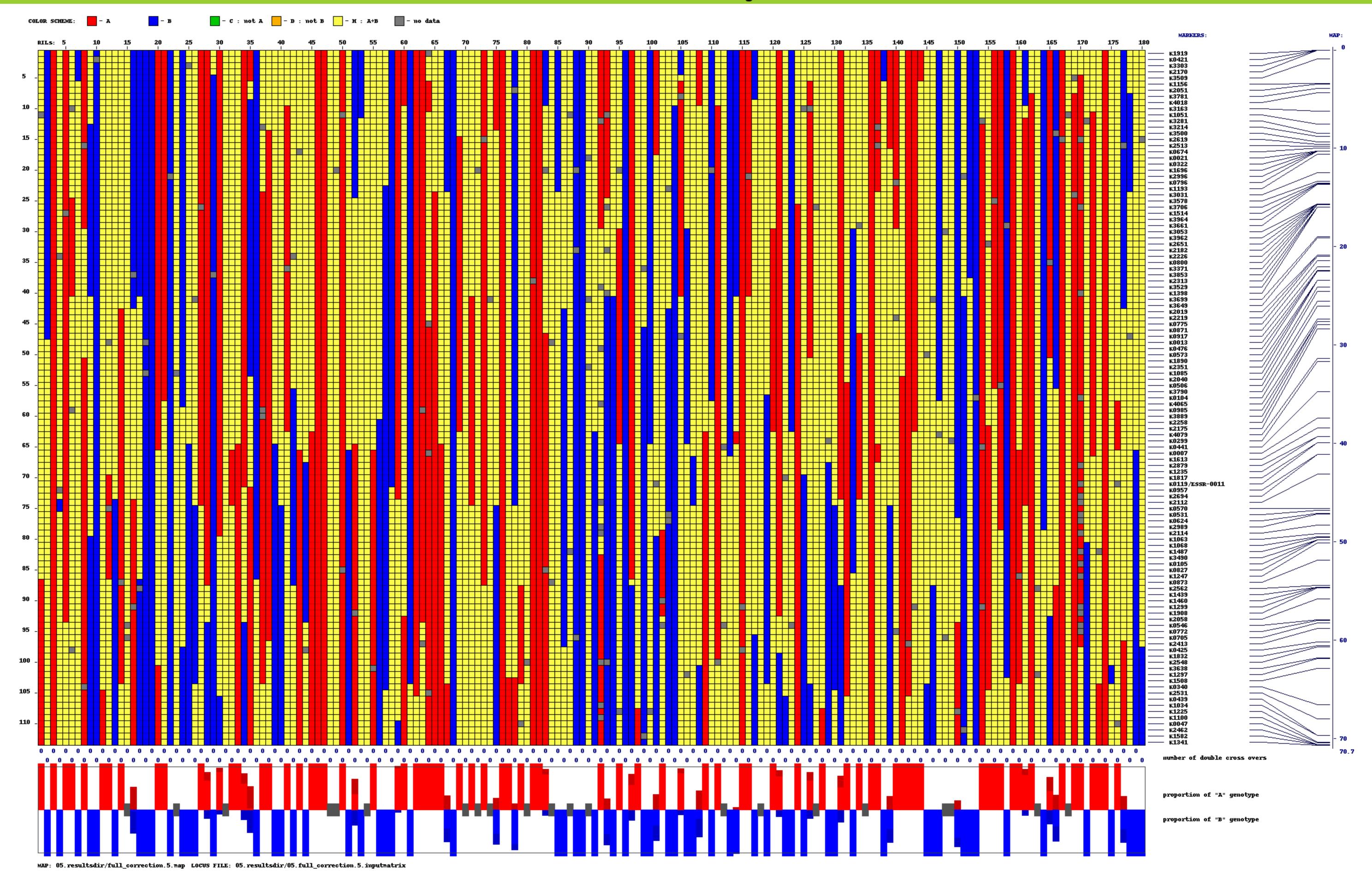


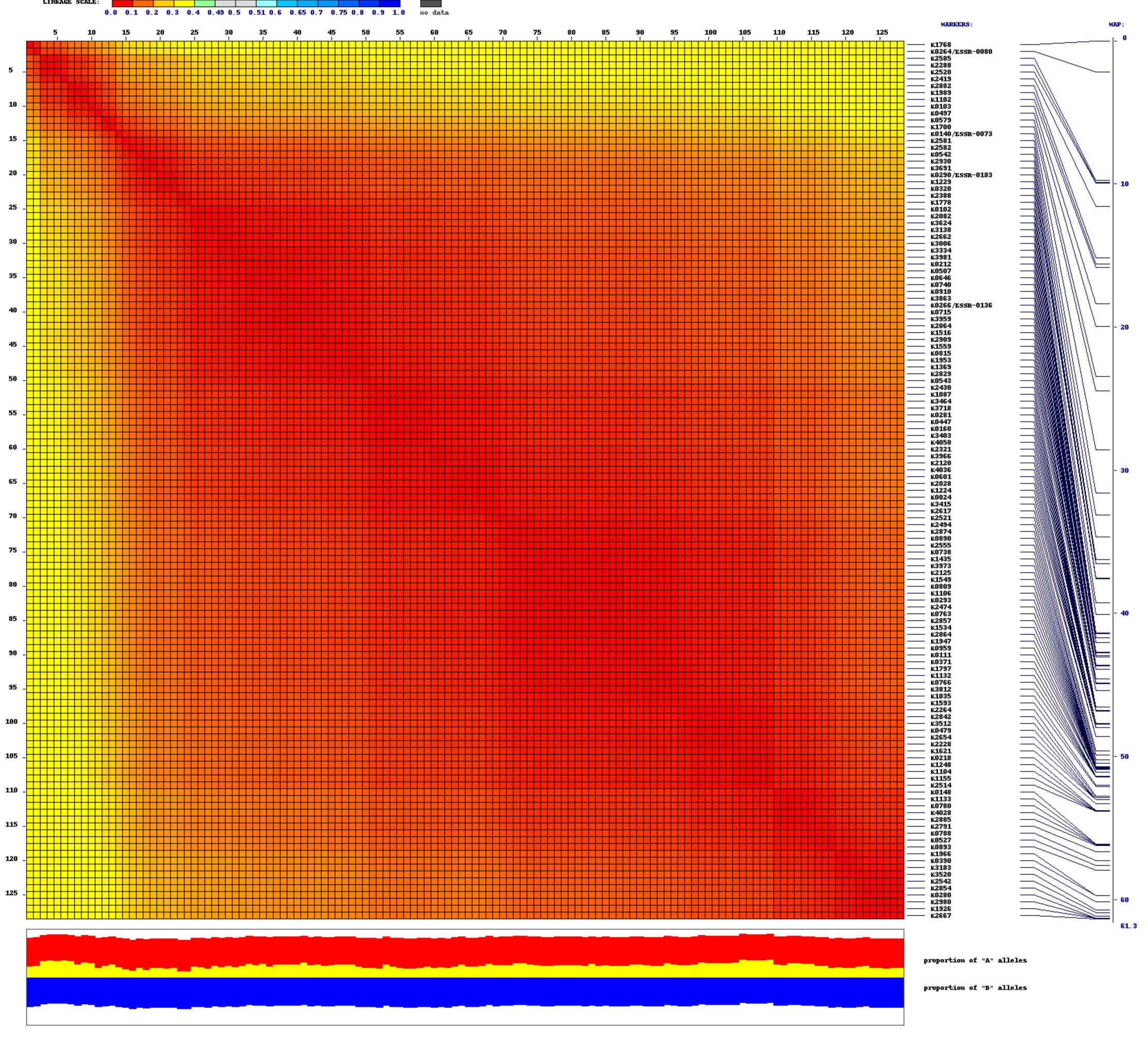


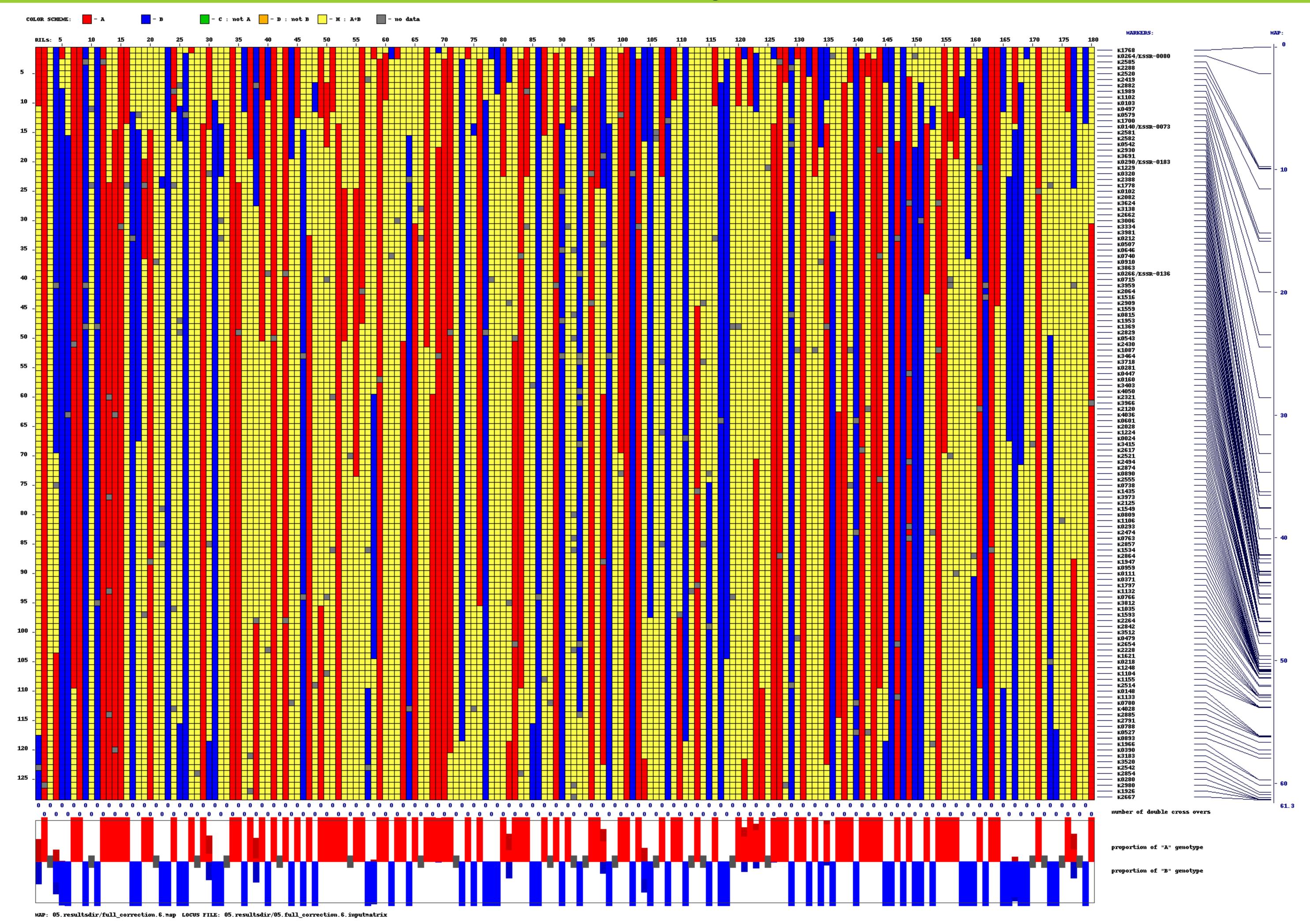


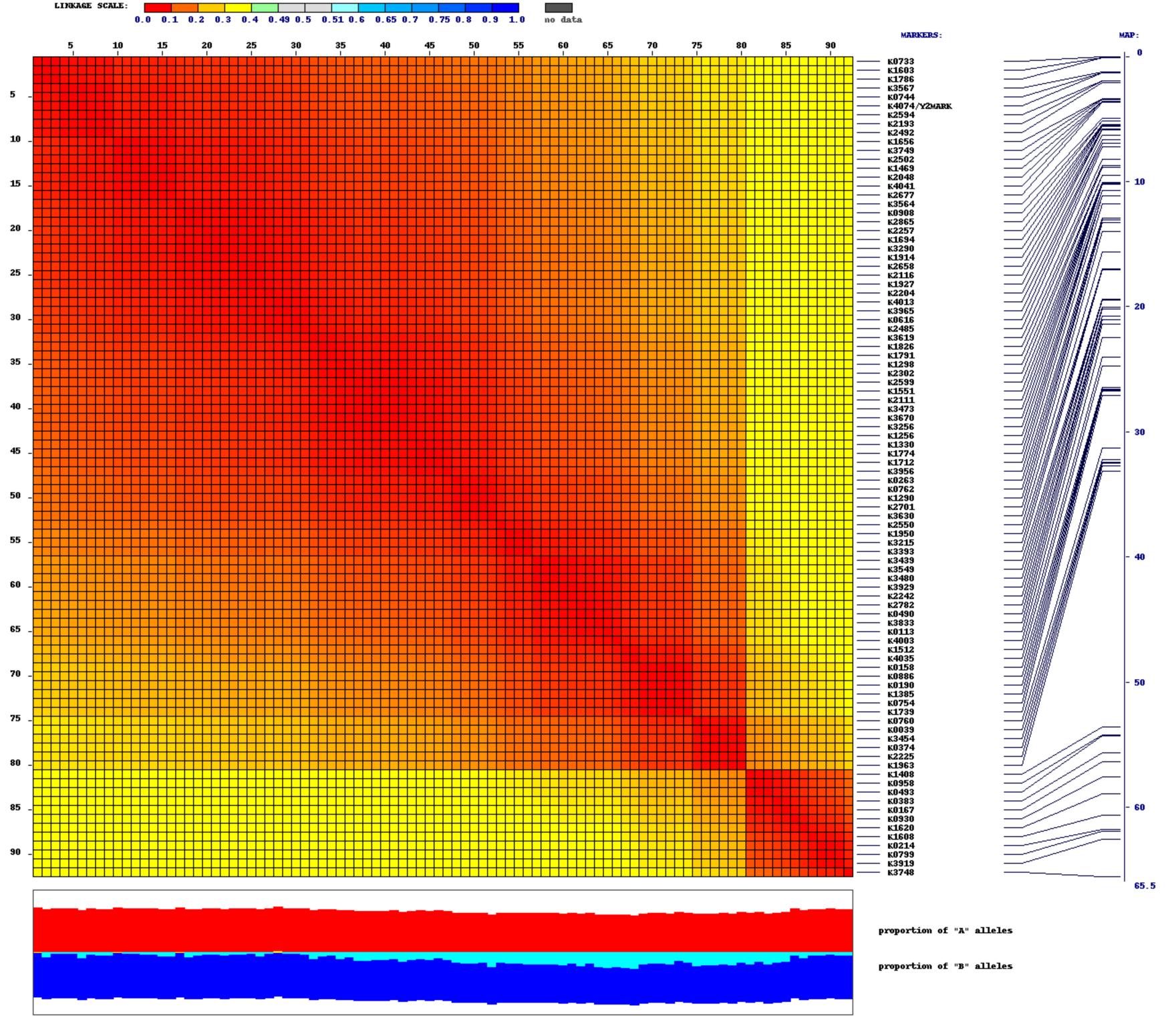


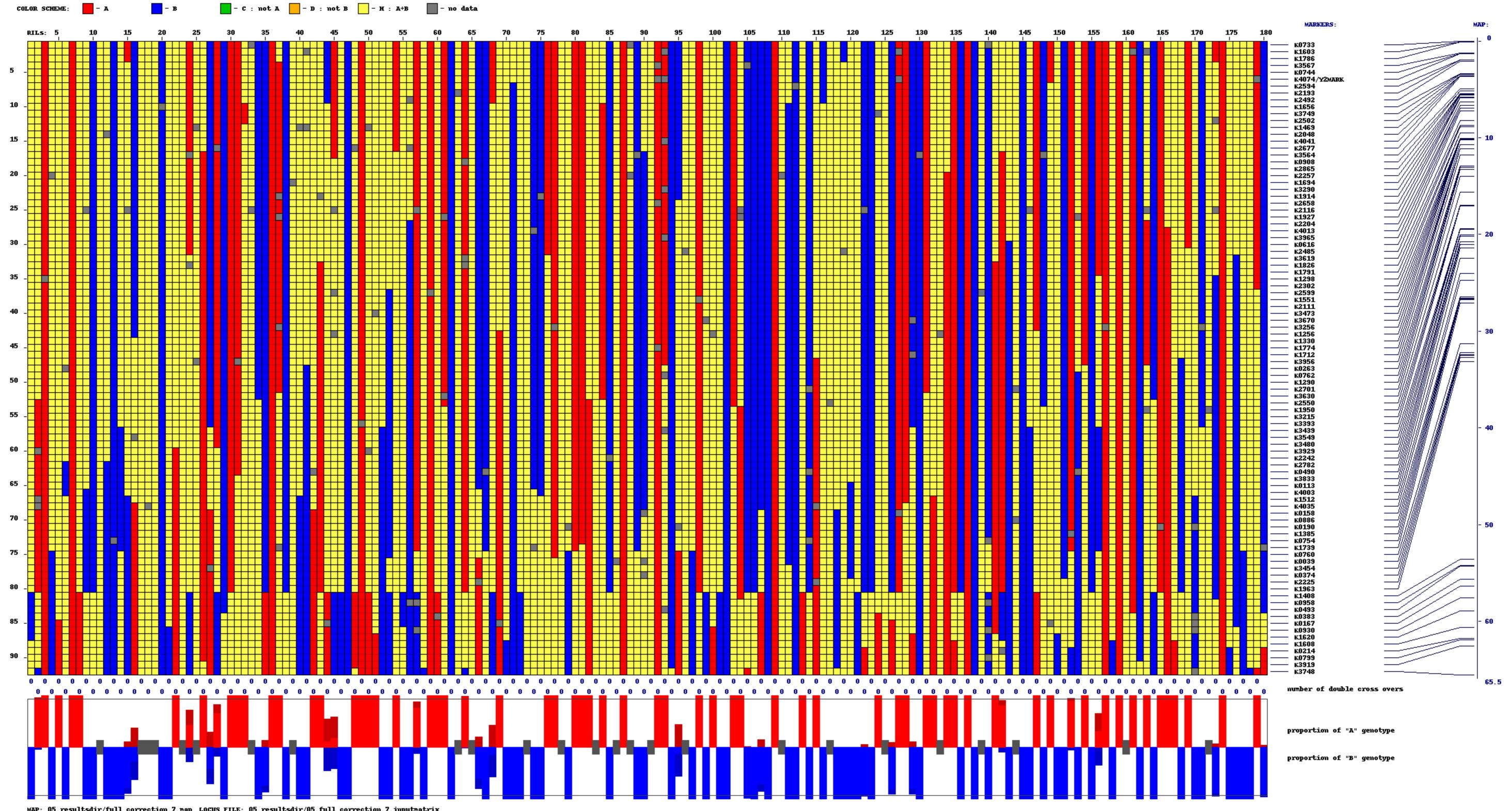




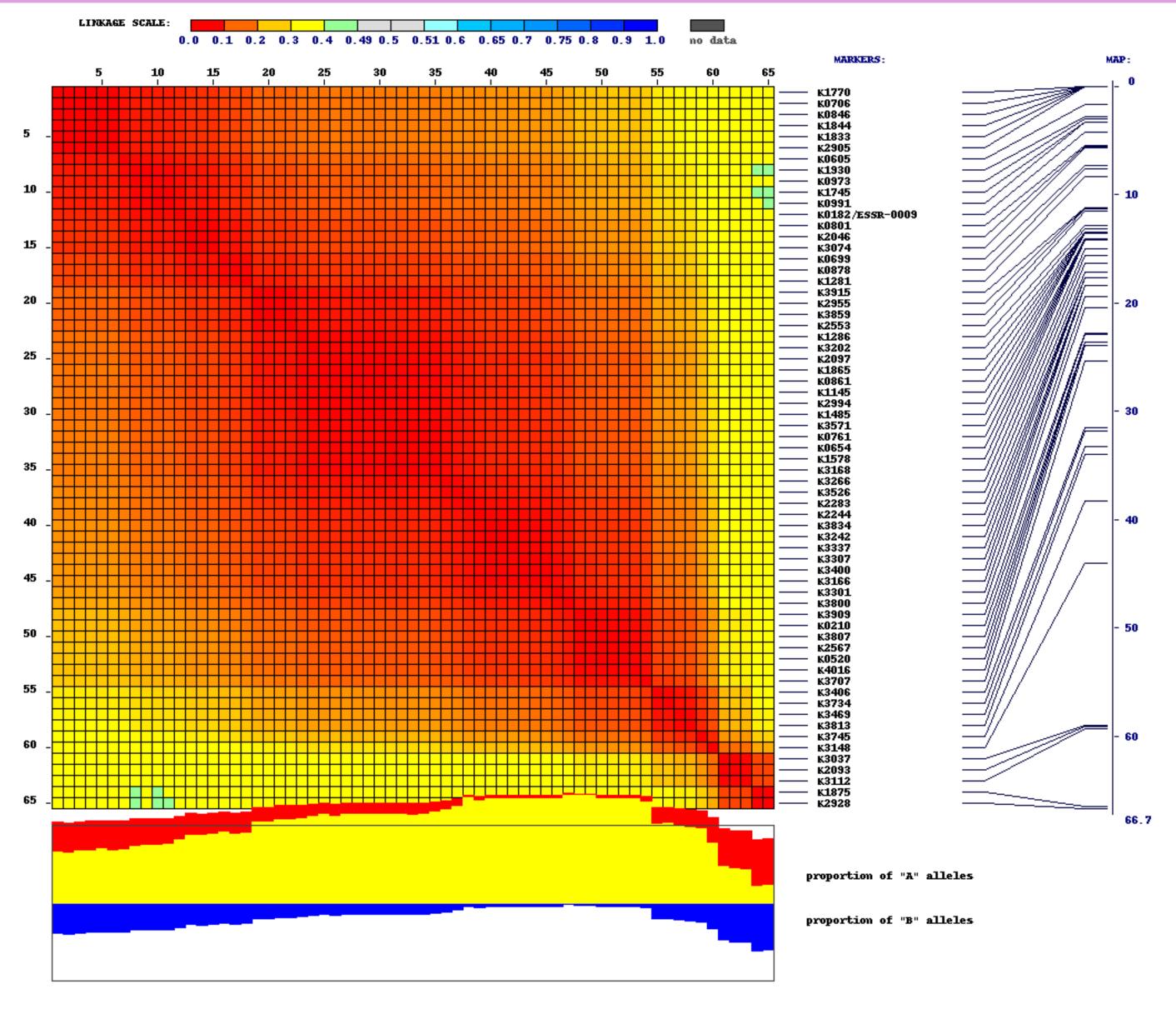




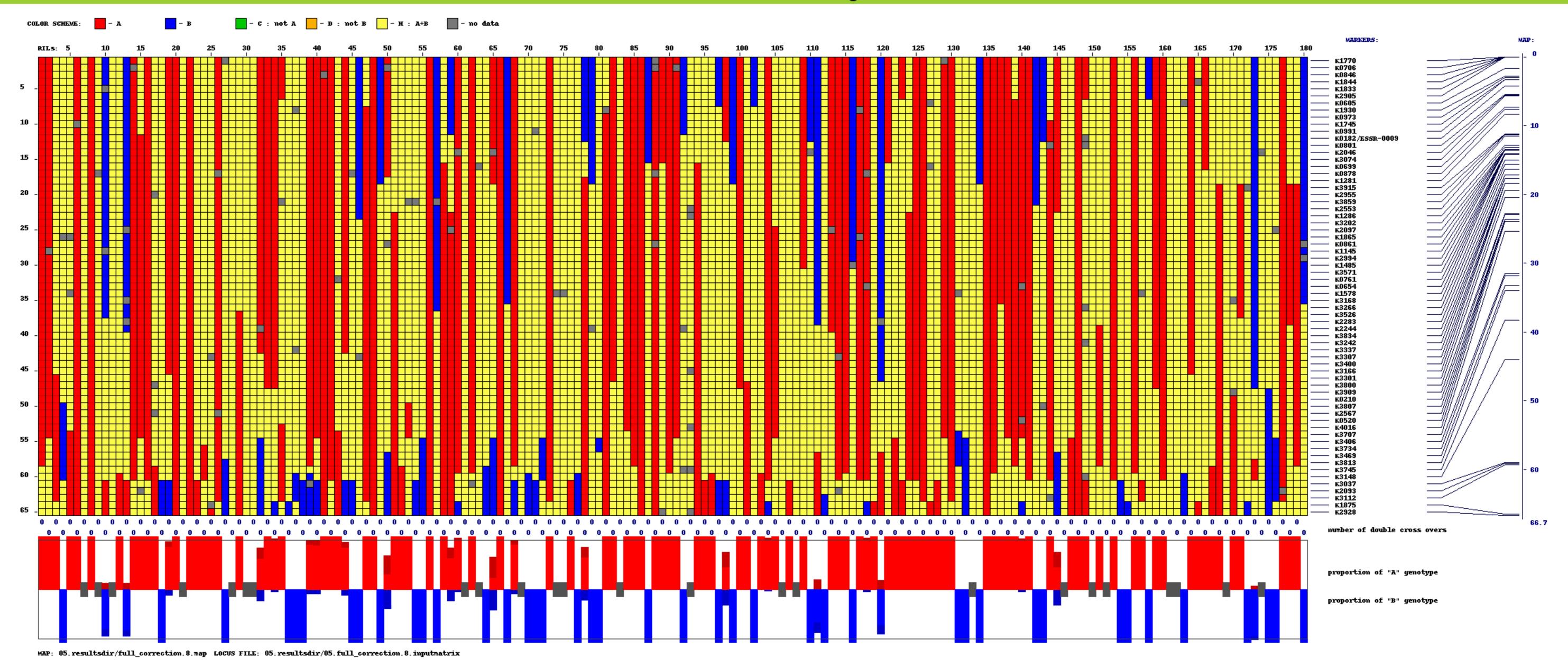




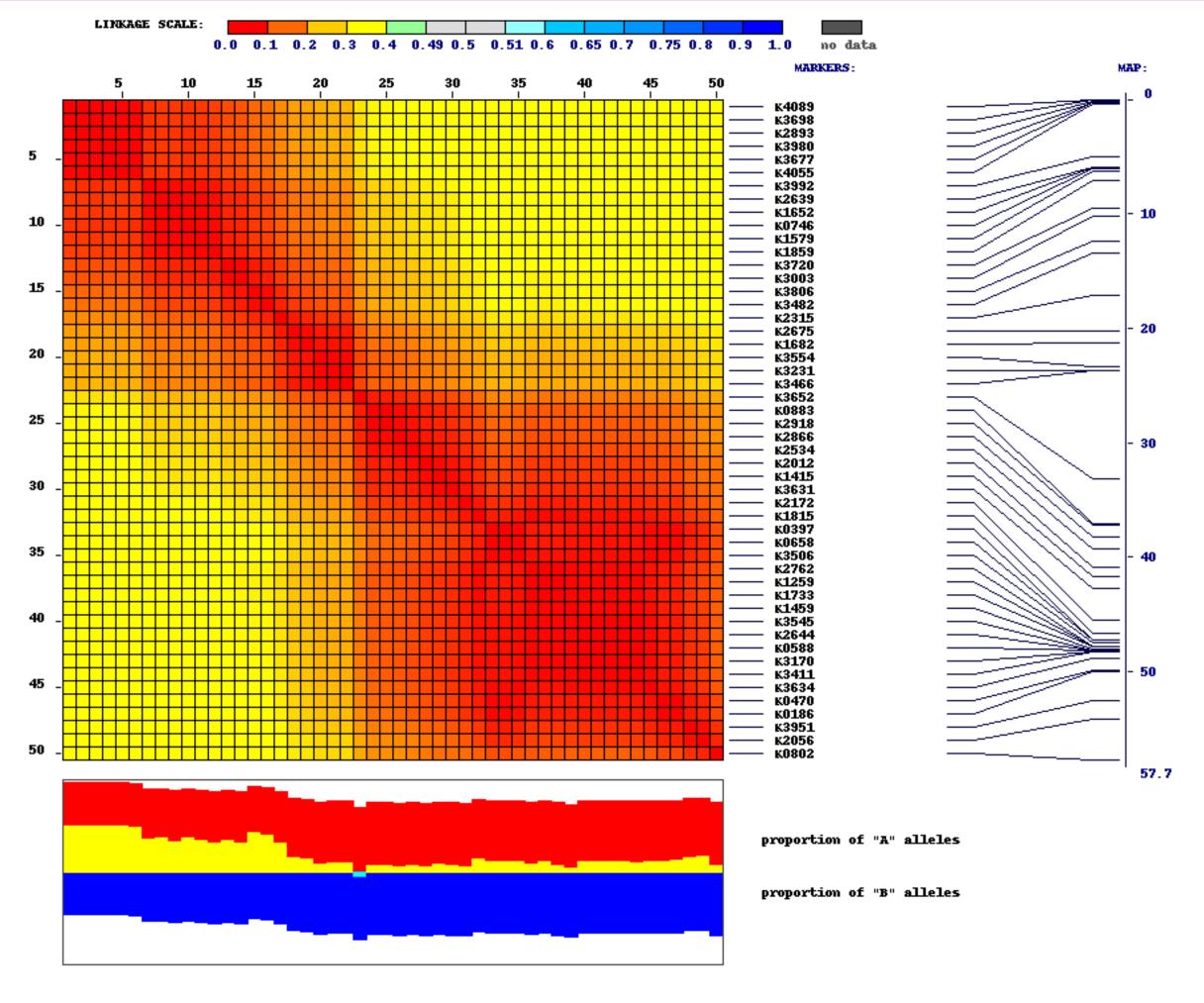
Chromosome 8 - Page 16



MAP: 05.resultsdir/full_correction.8.map MATRIX: 05.resultsdir/full_correction.8.pairs_@fflOFF: 0.4



Chromosome 9 - Page 18



MAP: 05.resultsdir/full_correction.9.map MATRIX: 05.resultsdir/full_correction.9.pairs_@fflOFF: 0.4

