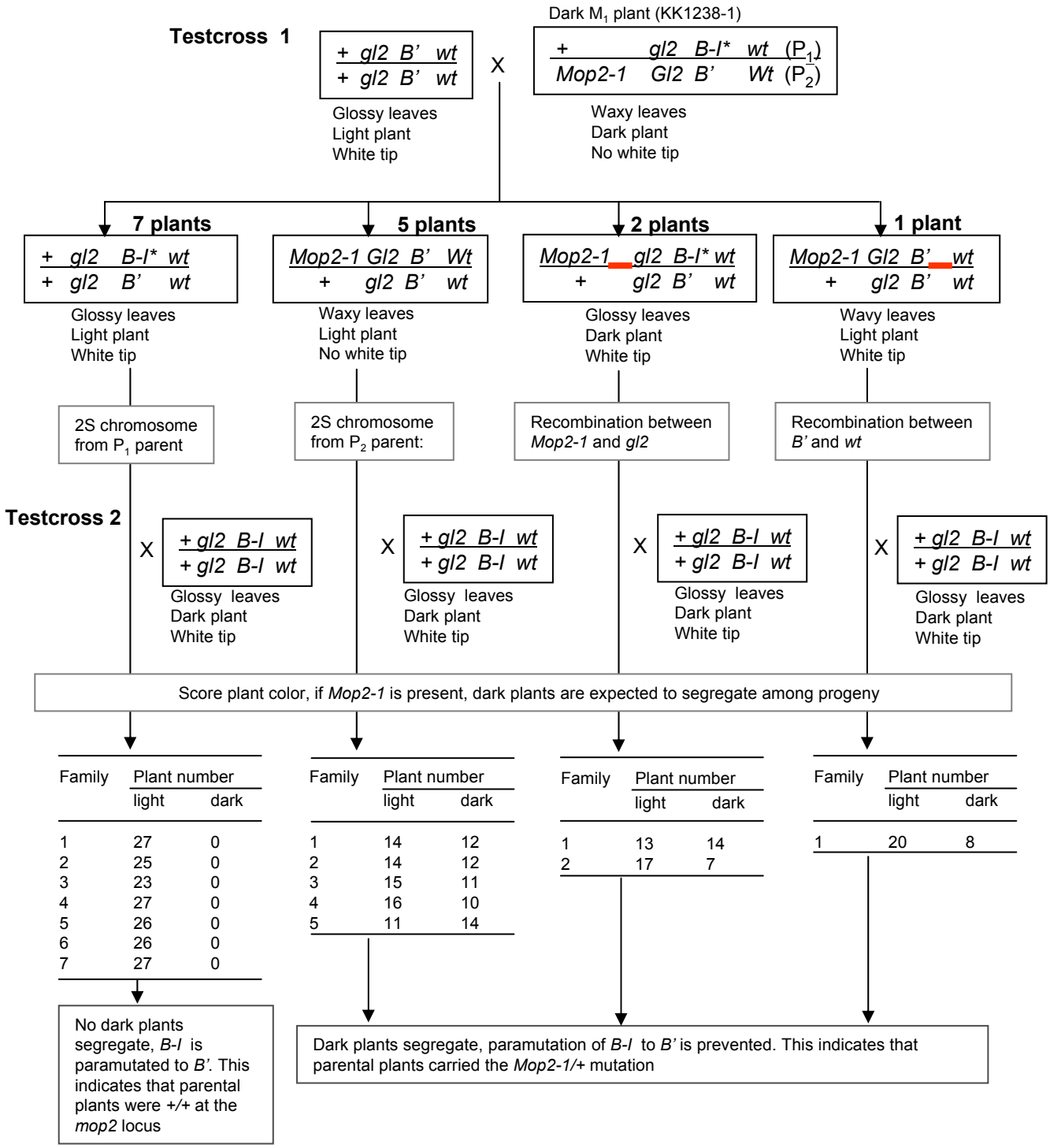

Figure S1. Genetic mapping of the *Mop2-1* mutation using phenotypic markers linked to the *b1* locus on chromosome 2S. Asterisk denotes the *B-I* allele that was protected from paramutation in *Mop2-1/+* plants. Red bars indicate the interval in which recombination occurred in the previous generation. In testcross 1, 12 out of 15 progeny plants inherited parental combinations of phenotypic markers on chromosome 2. Analysis of phenotypes of the three recombinant plants indicates that *Mop2-1* is located distal to the *gl2* locus. Testcross 2 was carried out to score the presence of the *Mop2-1* mutation.