



**Figure S1** Graphical genotypes of the largest linkage groups of the 'T17-349'-specific map constructed before disassembling the locus data. The linkage group consisted of a total of 296 loci. Graphical genotypes are shown for 50 of the 188  $F_1$  mapping population. Red and blue colors show the two haplotypes of 'T17-349'. Light green color shows missing data.