



Figure S2: **Heterozygosity landscape.** Dot plot of the proportion of heterozygous genotypes versus the physical base pair position of the 10,081 markers. The coloring of the markers correspond to the percentage of heterozygosity as explained in Figure 3. The Mendelian expected proportion of heterozygosity of an  $F_7$  RIL population is 0.016 and the observed heterozygosity as an average of the BTx623×IS3620c  $F_7$  is 0.067 depicted by a red dashed line and purple solid line, respectively.