FIGURE S1.—Testing of the oligonucleotide array. A: Genomic view of the differences in the hybridization signals between the oligonucleotides of the array from AF16 and HK104. AF16 and HK104 genomic DNA were differentially labeled for the hybridization. For each SNP represented on the array the difference between the median log_2 ratio for probes with AF16 and HK104 sequences (mapping signal) is plotted by the increasing chromosome number. Each dot represents the mapping signal for a single SNP. Mapping signals for those oligonucleotides that fail to distinguish the differences between the two genomic DNA will be close to 0. The majority of the oligonucleotides successfully distinguish the two. Chromosomes are differentially color coded from left to right for I, II, III, IV, V and X respectively. B: mapping signal for cbr-dpy-1(sy5022). Note the elevated signal from chromosome I in addition to the expected linkage with the left arm of chromosome III (indicated by arrow). Also note a spike on the right arm of chromosome III, which is likely associated with an artifact in the genome assembly.