

## **Group 3 Chromosome Bin Maps of Wheat and Their Relationship to Rice Chromosome 1**

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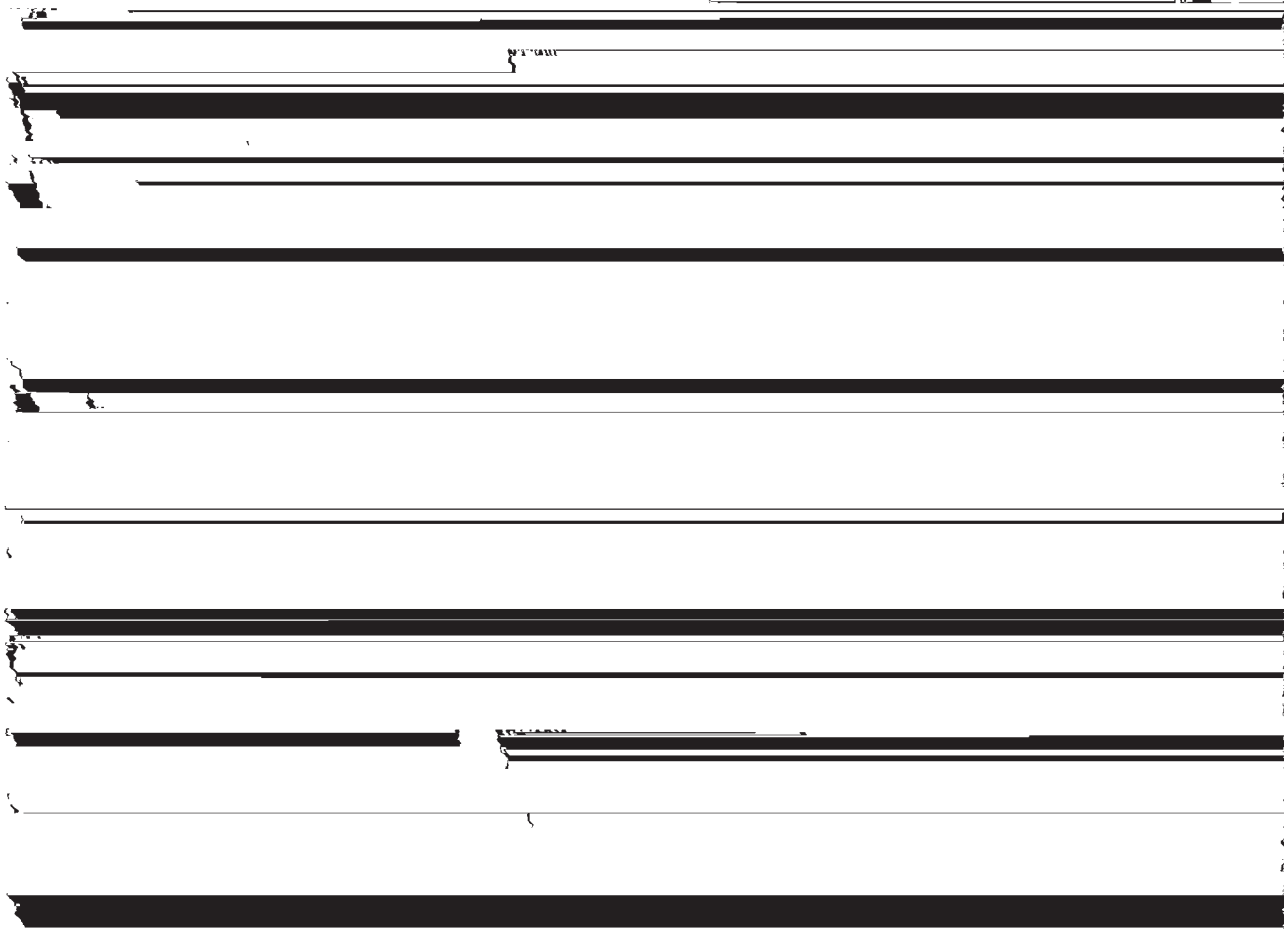
Wheat deletion lines have also been used extensively      More than 100,000 ESTs from various tissues of wheat





S

BE405496  
RF444280



Figure



nificantly matched an Arabidopsis coding region. The blastX comparison of all mapped-EST unigenes against the Arabidopsis protein database returned 1799 (32%) matches for all mapped-EST unigenes and 313 (32%) for wheat group 3. The number of unigene matches per Arabidopsis chromosome did not significantly differ from that expected, on the basis of the estimated coding region content per chromosome, for wheat group 3 or total mapped-EST unigenes with either blastN or blastX analyses.

#### DISCUSSION

Large-scale sequencing of ESTs and generation of a high-density chromosome bin map for hexaploid wheat









deletions correlate with recombination rates. Proc. Natl. Acad. Sci. USA **100**: 10836–10841.  
Altschul, S. F., W. Gish, W. Miller, E. W. Meyers

Conservation of genomic structure between rice and wheat. Nat. Biotechnol. **12**: 276–278.

