

Marker-Trait Associations for Enhancing Agronomic Performance, Disease Resistance, and Grain Quality in Synthetic and Bread Wheat Accessions in Western Siberia

Madhav Bhatta *, Vladimir Shamanin †, Sergey Shepelev†, P. Stephen Baenziger‡, Violetta Pozherukova†, Inna Pototskaya†, and Alexey Morgounov§,†, 1

* Department of Agronomy, University of Wisconsin-Madison, Madison, WI 53706, USA

† Omsk State Agrarian University, Omsk, Russia

‡ Department of Agronomy and Horticulture, University of Nebraska, Lincoln, NE 68583, USA

§ International Maize and Wheat Improvement Center (CIMMYT), Ankara, Turkey

§,1Correspondence: a.morgounov@cgiar.org

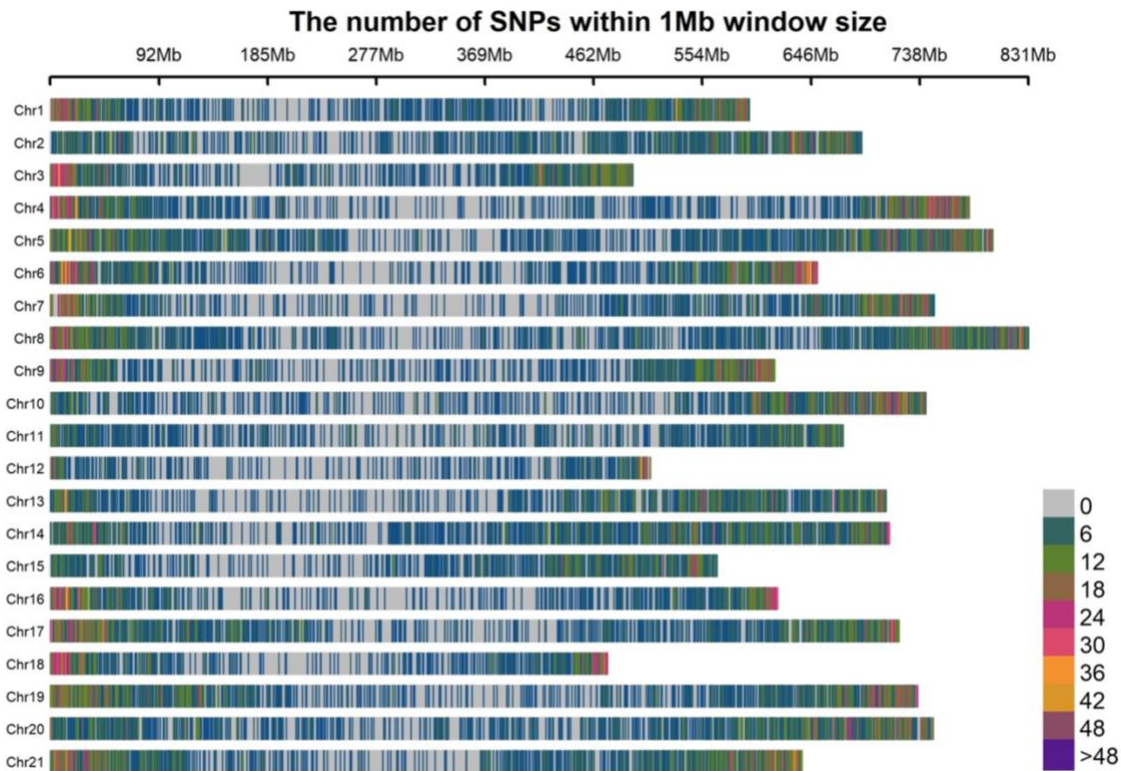


Fig S3. Physical distribution of 46,268 genotyping-by-sequencing derived SNPs within a 1-Mb window size on 21 chromosomes (Chr) of 143 diverse accessions of wheat.