Registration of KS93WGRC27 Wheat Streak Mosaic Virus Resistant T4DL-4Ai#2S Wheat Germplasm

KS93WGRC27 (Reg. no. GP416, PI 583794) is a hard red winter wheat (Triticum aestivum L.) germplasm line homozygous for T4DL-4Ai#2S wheat-Thinopyrum intermedium (Host) Barkw. & D.R. Dewey [syn. Agropyron intermedium (Host) P. Beauv.] chromosome translocation, developed cooperatively by the Kansas Agricultural Experiment Station, the Wheat Genetics Resource Center, Kansas State University, and the USDA-ARS. KS93WGRC27 was released by the Kansas Agricultural Experiment Station and the Wheat Genetics Resource Center as a germplasm in November 1993.

KS93WGRC27 is the bulked, selfed progeny of a BC2F2 plant that had 2n=42 chromosomes and was homozygous according to C-banding analysis for normal Chromosome 7A of wheat and for the T4DL-4Ai#2S translocation. The 4Ai#2S arm in KS93WGRC27 has the gene Wsm1, which conditions an effective level of resistance to the wheat streak mosaic virus.

Small quantities (3 g) of seed of KS93WGRC27 are available upon written request. We ask that appropriate recognition of source be given when this germplasm contributes to research or development of new cultivars. Seed is maintained by the Wheat Genetics Resource Center, Manhattan, KS.

B. S. Gill,* B. Frieb, D. L. Wilson, T. J. Martin, and T. S. Cox (3)

References and Notes

Published in Crop Sci. 35:1236-1237 (1995).