

PI 572981 **origin:** United States. **developed:** R.E. Allan. **origin institute:** USDA-ARS/Washington Agric. Exp. Station, Pullman, Washington United States. **origin institute id:** REA91403. **pedigree:** Aegilops squarrosa/6*Nugaines//7*Wanser. Bulk of 12 F4-derived F5 lines. **remarks:** Alloplasmic (A) population. Aegilops squarrosa cytoplasm donor. Wanser (CI138444, hard red winter) nucleus donor. Similar phenotypically to Wanser for most traits. Equal to its euplasmic (E) equivalent for plant height, grain yield, test weight, bioyield, kernel weight. In some environs E>A for lodging, spike no., harvest index, kernels/spike; A>E for heading date. Winter Annual. Genetic Material. Seed.

PI 572982 to 573001. *Triticum aestivum* L., nom. cons. POACEAE Wheat

Donated by: Allan, R.E., USDA-ARS, WSU, Dept. of Crop & Soil Sci., Wheat Genet., Qual., Phys., & Dis. Res., 209 Johnson Hall, Pullman, Washington 99164-6420, United States. Received August 26, 1993.

PI 572982 **origin:** United States. **developed:** R.E. Allan. **origin institute:** USDA-ARS/Washington Agric. Exp. Station, Pullman, Washington United States. **origin institute id:** REA91348. **pedigree:** Aegilops juvenalis/6*Chris//9*Selkirk(NDM1)/3/7*Nugaines. Bulk of 27 F4-derived F5 lines. **remarks:** Alloplasmic (A) population with Aegilops juvenalis as cytoplasmic donor. Nugaines (CI13968, soft white wheat) as the nucleus donor. Similar phenotypically to Nugaines for most traits. Equal to its euplasmic (E) equivalent for heading date, plant height, lodging, test wt., spike no., bioyield, harvest index, kernels/spike, grain hardness. A>E for protein content, kernel wt. E>A for grain yield. Winter Annual. Genetic Material. Seed.

PI 572983 **origin:** United States. **developed:** R.E. Allan. **origin institute:** USDA-ARS/Washington Agric. Exp. Station, Pullman, Washington United States. **origin institute id:** REA91347. **pedigree:** Nugaines/4/Aegilops juvenalis/6*Chris//9*Selkirk(NDM1)/3/6* Nugaines. Bulk of 27 F4-derived F5 lines. **remarks:** Euplasmic (E) equivalent of alloplasmic (A) population having Aegilops juvenalis cytoplasm and Nugaines (CI13968, soft white winter) as nucleus donor. Phenotypically similar to Nugaines for most traits. E=A for heading date, plant height, lodging, test wt., spike no., bioyield, harvest index, kernels/spike, grain hardness. A>E for protein content, kernel wt. E>A for grain yield. Winter Annual. Genetic Material. Seed.