

- PI 561032 **origin:** United States. **developed:** R.E. Allan. **origin institute:** USDA-ARS/Washington Agric. Exp. Station, Washington State University, 209 Johnson Hall, Pullman, Washington 99164-6420 United States. **origin institute id:** WA 7624. **pedigree:** VPM/Moisson 951/Peck/Stephens//Daws. **other id:** A8829. **remarks:** 1 gene semidwarf, with lax bearded white glume spike & soft white kernels. Heads 2 days later than Stephens. Grain volume wt. usually lower than Daws (35g L-1). Plant ht. 9cm shorter than Daws. Tested in the Western Reg. SWW Wheat nurseries (1988-1989). Has Pchl gene for resist. to Strawbreaker foot rot, & gave resist. reactions in field to stripe rust & leaf rust. Cookie diameter questionable. Sponge cake volume very good. Milling score high. Winter Annual. Breeding Material. Seed.
- PI 561033 **origin:** United States. **developed:** R.E. Allan, G.L. Rubenthaler, C.F. Morris, R.F. Line. **origin institute:** Agricultural Research Service -- USDA, Washington State University, 209 Johnson Hall, Pullman, Washington 99164-6420 United States. **origin institute id:** WA 7437. **pedigree:** Paha//CI13645/2\*Chinese Spring/Agropyron elongatum/Pawnee///2\*Omar. **other id:** A85117. **other id:** GP-355. **group:** CSR-WHEAT. **restricted:** CSR. **remarks:** 1 gene semidwarf (Rht2) winter wheat with compact red glumed-awnless spikes & soft white kernels. Heads late, 6 days after Paha, & 7cm < Paha. Grain vol. = Paha. Tolerant to both strawbreaker foot rot & cephalosporium stripe. Field resist. to stripe rust stable. Partial resist. to stem & leaf rust. Tested in Western Reg. SWW trials (1986-1987). Flour yield, milling score and cookie diameter quality average to questionable. Absorption & viscosity high. Sponge cake volume & score good. Winter Annual. Breeding Material. Seed.
- PI 561034 **origin:** United States. **developed:** R.E. Allan. **origin institute:** USDA-ARS/Washington Agric. Exp. Station, Washington State University, 209 Johnson Hall, Pullman, Washington 99164-6420 United States. **origin institute id:** WA 7435. **pedigree:** WA4303/Purdue sel.//820/Omar/1834/PI 178383. **other id:** A85186. **remarks:** 2 gene (Rht1 & Rht2) semidwarf white glume-bearded common spike with soft white grains. Tested in Western Reg. SWW Nursery (1986-1987). Plant ht. 80% of Nugaines. Heads 2 days later than Nugaines. Mixing stronger, viscosity higher & sponge cake volume larger than Nugaines & Stephens. Absorption higher & flour yield lower than Stephens. Moderate to intermediate resist. to stripe rust. Moderately suscept. to leaf rust. Resist. or partially resist. to T23, T29, T30 and T43 races of common bunt fungus. Winter Annual. Breeding Material. Seed.