

PI 560130 to 560134-continued

PI 560133 **origin:** United States. **cultivar:** C766-62. **pedigree:** Advanced by bulk increases from single S2 plant. S2 identified for disease resistance and GCA in an S2aa x tester progeny test of lines from popn-766. **other id:** 9766-62. **remarks:** Monogerm, self-fertile, green hypocotyl line. Poor monogerm (bigerm) and O-type traits. Moderately resistant to Erwinia, curly top, virus yellows and bolting. Susceptible to powdery mildew. Good GCA for sugar yield under virus yellows conditions. Biennial. Breeding Material. Seed.

PI 560134 **origin:** United States. **cultivar:** C312. **pedigree:** Derived from popn-C310/3 using an S1-TX progeny test. Narrow based line derived from one plant. **other id:** 6827. **remarks:** Similar to lines C301 through C309 extracted from popn-755. Monogerm, self-fertile, and segregates for hypocotyl color. Resistant to lettuce infectious yellows and adapted to Imperial Valley. Poor monogerm and O-type traits. Biennial. Breeding Material. Seed.

PI 560135 to 560136. Beta vulgaris L. CHENOPODIACEAE Sugar beet

**Donated by:** Lewellen, R.T., Agricultural Research Service -- USDA, U.S. Agricultural Research Station, Salinas, California 93905, United States; and California Agr. Exp. Sta.; and Beet Sugar Development Fdn. and, Calif. Beet Growers Assn., Ltd.. **remarks:** C31-43 and C31-89 Sugarbeet Germplasms. Received March 09, 1991.

PI 560135 **origin:** United States. **developed:** R.T. Lewellen, S.R. Temple. **origin institute:** Agricultural Research Service -- USDA, U.S. Agricultural Research Station, Salinas, California 93950 United States. **cultivar:** C31-43. **pedigree:** Selected from C31/6 for hybrid performance under BYV conditions. Germplasm base originally very wide with both European and curly top resistant USA sources. **other id:** Y31-43. **other id:** GP-138. **source:** Crop Sci. 32(5):1297 1992. **group:** CSR-SUGARBEET. **restricted:** CSR. **remarks:** Multigerm, self-sterile line similar to C31-89 for most traits except higher sucrose conc. Tolerant to beet yellows virus (BYV) and beet western yellows virus. Moderately resistant to Erwinia root rot and powdery mildew (Erysiphe). Bolting resistant. Moderately susceptible to curly top virus. GCA for sugar yield good. Roots smooth. Beets extend above soil line. Per se performance very high, often superior to hybrids. Biennial. Breeding Material. Seed.