

United States. Received 1984.

PI 590751. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. "C35/1". GP-88.

PI 590752. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. "C35/2". GP-89. A green hypocotyl, self-sterile, multigerm line. High resistance to *Erwinia* and moderate resistance to powdery mildew, downy mildew, rust, virus yellows, curly top and bolting.

PI 590753. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. "C40". GP-90. A green hypocotyl, self-sterile, multigerm line. Very susceptible to *Erwinia* and powdery mildew. Resistant to curly top, virus yellows, and bolting. Derived from C13 by two cycles of mass selection for susceptibility to *Erwinia*. Bolts somewhat easier than C13 or C36. Some of the plants will be male sterile or partial male sterile. Useful in evaluating environmental varieties in field and greenhouse tests, etc.

The following were donated by Richard Hecker, USDA, ARS, Crops Research Lab., Colorado State University, Fort Collins, Colorado 80521, United States. Received 1984.

PI 590754. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. "FC 705/1". GP-93. Released 12/15/1983. Multigerm, self sterile, pollen fertile, non-type O. Resistant to root rot caused by *Rhizoctonia solani*. Moderate resistance to *Cercospora* leaf spot, easy bolting, 26% green hypocotyl. For breeder use as a pollinator to produce *Rhizoctonia* resistance hybrids or as a source of resistance.

PI 590755. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. "FC 702/7". GP-92. Released 12/15/1983. Multigerm, self-sterile, pollen fertile, non-type O. Resistant to root rot caused by *Rhizoctonia solani*. Moderate resistance to *Cercospora* leaf spot. Easy bolting, 72% green hypocotyl. For breeder use as a pollinator to produce *Rhizoctonia* resistant hybrids or as a source of resistance.

PI 590756. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. "FC 701/6". GP-91. Released 12/15/1983. Multigerm, self-sterile, pollen fertile, non-type O. Resistance to root rot caused by *Rhizoctonia solani*. Moderate resistance to *Cercospora* leaf spot. Easy bolting. For breeder use as a pollinator to produce *Rhizoctonia* resistant hybrids or as a source of resistance.

The following were donated by Robert T. Lewellen, USDA, ARS, U.S. Agricultural Research Station, 1639 E. Alisal St., Salinas, California 93905, United States. Received 1984.

PI 590757. *Beta vulgaris* L.

Breeding. "C46". PL-24. Pedigree - Derived from backcross of (C17 x C64) x C17 by mass selection for multiple host-plant resistance. Self-sterile, multigerm, diploid germplasm and parentage line pollinator that combines moderate to high resistance to curly top, virus yellows, *Erwinia*, powdery and downy mildew, and beet rust. High nonbolting tend. Good GCA for root yield and sugar yield.

PI 590758. *Beta vulgaris* L.

Breeding. C031/5. Pedigree - Derived by 8 cycles of mass selection for disease resistance and sugar yield from composite cross made in 1965. Reselected from C31 (C31/2). Self-sterile, multigerm. Moderate resistance to virus yellows and *Erwinia* root rot. High nonbolting tendencies. Fair resistance to curly top. Moderately susceptible to