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Received 1985.

PI 590766. *Beta vulgaris* L. ssp. *vulgaris*

Breeding. "FC 712". GP-97. Resistant to root rot caused by AG-2 strains of *Rhizoctonia solani*. Multi-germ, self sterile, pollen fert., non-type O. Moderate cercospora leaf spot resistance. Easy bolting, segregating for pink and green hypocotyl color. Released for breeder use as a pollinator to produce *Rhizoctonia* resistant hybrids or as a source of genes for resistance.

The following were donated by Garry A. Smith, USDA, ARS, Crops Research Laboratory, Colorado State University, Fort Collins, Colorado 80523, United States. Received 1985.

PI 590767. *Beta vulgaris* L.

Breeding. "FC 606(4X)". GP-98. Monogerm, tetraploid, O-type, breeding line with high resistance to cercospora beticola and moderate resistance to the curly top virus. Line is self-incompatible.

The following were donated by G. E. Coe, USDA, ARS, Field Crops Lab., Lab. 6B, Bldg. 009, BARC-West, Beltsville, Maryland 20705, United States. Received 1986.

PI 590768. *Beta vulgaris* L.

Breeding. SP8540-0. Multigerm pollen fertile with 4 cycles of selection for resistance to southern root rot under artificially induced epiphytotics. Selections were from breeding lines having moderate tolerance to black root and leaf spot. Has been DI rated. Does not produce as much foliage as SP8541-0. Diploid containing about 85% pink hypocotyls and 15% green hypocotyls.

PI 590769. *Beta vulgaris* L.

Breeding. SP8541-0. Multigerm pollen fertile with 3 cycles of selection for resistance to southern root rot (*Sclerotium rolfsii*) under artificial induced epiphytotics. Original selections were from SP7822-0, an increase of the pollen. for USH20, which also has moderate resistance to black root and leaf spot. Plants selected from prog. w/DI rating. A diploid with pink and green seedlings. Greater root yield than SP7822-0.

PI 590770. *Beta vulgaris* L.

Breeding. SP85303-0. Multigerm pollen fertile with excellent resistance to black root disease (*Aphanomyces cochlioides*), and good resistance to leaf spot disease (*Cercospora beticola*). A diploid (2n=18) containing both pink and green hypocotyl color and originates from an increase of plants selected from a single prog. Rated on index for black root resistance and leaf spot disease.

PI 590771. *Beta vulgaris* L.

Breeding. SP85320-0. The pollen fertile monogerm O-type maintainer for SP85320-01 monogerm cytopl. male-sterile line. Derived from a sugarbeet maintainer (O-type) line, SP77756-0, and has green hypocotyl color. Moderate resistance to leaf spot disease (*Cerco. beticola*) with a disease index rating of 4.0 on a scale of 0-9. Moderate resistance to black root disease (*Aphanomyces cochliodes*).

PI 590772. *Beta vulgaris* L.

Breeding. SP85576-0. The pollen fertile monogerm germplasm for maintainer (O-type) for the cytoplasmic male sterile monogerm line SP85576-01. Its characteristics are similar to SP85576-01 except not quite as vigorous.