

(nonrestorer) plants. Multigerm, self-sterile, green hypocotyls. Nearly equivalent C17.

- PI 590826. *Beta vulgaris* L. ssp. *vulgaris*  
Breeding. "C16 CMS". GP-77. Released 1978. CMS equivalent of C16. Low frequency of partially restored plants occur.
- PI 590827. *Beta vulgaris* L. ssp. *vulgaris*  
Breeding. "C19". GP-78. Pedigree - Selected for type-O from C534. Released 1978. High frequency of type-O plants. May be mixed with CMS plants. Multigerm, self-sterile. Moderately resistant to virus yellows. Susceptible to curly top.
- PI 590828. *Beta vulgaris* L. ssp. *vulgaris*  
Breeding. "C19 CMS". GP-79. Cytoplasmic male-sterile equivalent of C19 derived from the fourth backcross to the CMS source. Tested as breeding lines designated Y519HO and Y419HO.
- PI 590829. *Beta vulgaris* L. ssp. *vulgaris*  
Breeding. "C706". GP-29. Self-fertile (S w/superscript f) monogerm inbred with moderate resistance to virus yellows, curly top, and bolting.
- PI 590830. *Beta vulgaris* L. ssp. *vulgaris*  
Breeding. "C706 CMS". GP-30. Cytoplasmic male sterile equivalent of C706.
- PI 590831. *Beta vulgaris* L. ssp. *vulgaris*  
Breeding. Y18. High frequency of type-O plants. Multigerm, self-sterile. Nearly equivalent to C04.
- PI 590832. *Beta vulgaris* L. ssp. *vulgaris*  
Breeding. Y18 CMS. CMS equivalent of Y18. Low to moderate frequency of partially restored plants occur.
- PI 590833. *Beta vulgaris* L. ssp. *vulgaris*  
Breeding. Y20. High frequency of type-O plants. Multigerm, self-sterile. Tonnage type with very smooth roots. Moderately yellows resistant with low curly top resistance. Selected for type-O from C10.
- PI 590834. *Beta vulgaris* L. ssp. *vulgaris*  
Breeding. Y20 CMS. CMS equivalent of Y20.
- PI 590835. *Beta vulgaris* L. ssp. *vulgaris*  
Breeding. "C789". GP-18. Monogerm, self-fertile composite that segregates for genetic male sterility (a w/subscript 1 a w/subscript 1). Low resistance to virus yellows but moderate resistance to curly top and bolting. Most plants are type-O.
- PI 590836. *Beta vulgaris* L. ssp. *vulgaris*  
Breeding. "C789 CMS". GP-19. Cytoplasmic male sterile equivalent of C789.

The following were donated by Garry A. Smith, USDA, ARS, Crops Research Laboratory, Colorado State University, Fort Collins, Colorado 80523, United States. Received 1979.

- PI 590837. *Beta vulgaris* L. ssp. *vulgaris*  
Breeding. "FC 607"; A-79-67. GP-60. C subscript 3 colchicine-induced auto-tetraploids of FC 606 and FC 607, and has not been subjected to additional selection. A monogerm sugarbeet germplasm with good resistance to cercospora leaf spot and moderate resistance to the curly top virus. In 3 yrs. of field testing under artificially induced leaf spot