or C36. Highly resistant to soft rot. Sister selection to C36.

PI 590682. Beta vulgaris L. ssp. vulgaris
Breeding. "C36". PL-13. Highly resistant to soft rot incited by Erwinia. Moderately resistant to virus yellows, curly top, bolting. Multigerm, self-sterile with green hypocotyls. Plants with male sterile cytoplasm common.

PI 590683. Beta vulgaris L. ssp. vulgaris
Breeding. "C04". GP-22. Moderately resistant to virus yellows. Moderately low curly top resistance. Multigerm, self-sterile.

PI 590684. Beta vulgaris L. ssp. vulgaris
Breeding. "C22". GP-23. Moderately resistant to virus yellows and curly top. Multigerm, self-sterile.

PI 590685. Beta vulgaris L. ssp. vulgaris
Breeding. "C31". GP-21. Moderately resistant to virus yellows (BYV, BWYV) and to erwinia soft rot. Moderately high nonbolting tendency. Moderately low curly top resistance. Multigerm, self-sterile. Good sucrose content. Segregates for red and green hypocotyls.

PI 590686. Beta vulgaris L. ssp. vulgaris
Breeding. 0740. Monogerm, type-O composite that segregates for genetic male sterility (a w/underline subscript 1 a w/underline subscript 1). Moderate resistance to curly top.

PI 590687. Beta vulgaris L. ssp. vulgaris
Breeding. 0741. Monogerm, type-O composite that segregates for genetic male sterility (a w/underline subscript 1 a w/underline subscript 1). Moderate resistance to curly top.

PI 590688. Beta vulgaris L. ssp. vulgaris
Breeding. "C773". GP-17. Multigerm, self-fertile composite that segregates for genetic male sterility (a w/underline subscript 1 a w/under-line subscript 1). Moderate resistance to virus yellows. Moderate resistance to curly top and bolting.

The following were donated by J. C. Theurer, Sugarbeet Investigations, Crops Res. Lab., Utah State Univ., Logan, Utah 84322, United States. Received 1980.

PI 590689. Beta vulgaris L. ssp. vulgaris
Breeding. "L36". GP-33. Pedigree - Derived from a CT5B population. S subscript 4 self-fertile monogerm, Type O line. Resulted from four repeated selections in the greenhouse and field for curly top resistance. Rated 1.5 to 2 on a 1 to 9 disease resistance scale for curly top and shows good combining ability for beet yield.

PI 590690. Beta vulgaris L. ssp. vulgaris
Breeding. "L19". GP-36. Pedigree - Selected from a collection of misc. high sugar lines crossed with Polish var. Udyca. Multigerm segregrating red and green hypocotyl, non-type O, self-fertile inbred. One to 3% higher sugar % in field trials than any other inbred tested. Excellent gen. combining ability and has consistently increased sugar % in all hybrids where it has been used as a parent Equal to US33 in curly top resistant and is susceptible to leaf spot.

PI 590691. Beta vulgaris L. ssp. vulgaris
Breeding. "L37". GP-37. Pedigree - Resulted from 5 generations of inbreeding from a cross of SLC129, a parent line of USH20, and a group of nematode selections received from Amer. Crystal Sugar Co. in 1960. Green hypocotyl, near Type O, S subscript 6 multigerm self-fertile inbred with a long, narrow root and prostate growth habit. Excellent