

PI 560336 to 560342-continued

- PI 560338 **origin:** United States. **cultivar:** C47R. **pedigree:** Selected from an early version of line C47 by phenotypic recurrent selection for resistance to rhizomania. **other id:** R47. **remarks:** Multigerm, self-sterile line. Moderate level of quantitatively inherited resistance to rhizomania (beet necrotic yellow vein virus). Shows moderate loss under moderate to severe rhizomania conditions. Moderate resistance to virus yellows, curly top, Erwinia, and powdery mildew. Traits similar to C47. Biennial. Breeding Material. Seed.
- PI 560339 **origin:** United States. **cultivar:** C93. **pedigree:** Derived by 5 cycles of selection from a composite involving C36 and C37/Y723 and Y726. **other id:** Y48. **remarks:** Multigerm, self-sterile line developed from composite cross by phenotypic recurrent selection for resistance to virus yellows, Erwinia and powdery mildew. Emphasis placed on improvement for sucrose conc. Good tolerance to virus yellows. Sucrose concentration higher but root yield lower than lines C39, C47, C54 etc. Biennial. Breeding Material. Seed.
- PI 560340 **origin:** United States. **cultivar:** C94. **pedigree:** Derived from composite crosses and selections for resistance to rhizomania within Fort Collins and GW germplasm, including lines FC 703, FC 705, FC 709, GW 674 and GW 359. **other id:** R20. **remarks:** Multigerm, self-sterile line. Resistance moderate to rhizomania and Rhizoctonia root rot. Susceptible to virus yellows, powdery mildew, bolting, and curly top under California conditions. Sucrose conc. low. Biennial. Breeding Material. Seed.
- PI 560341 **origin:** United States. **developed:** R.T. Lewellen, E.D. Whitney. **origin institute:** Agricultural Research Service -- USDA, U.S. Agricultural Research Station, 1636 E Alisal Street, Salinas, California 93905 United States. **cultivar:** C58. **pedigree:** Derived from composite crosses between C91 and *B. maritima* acc. WB41, 42, & 151 (Denmark), WB187 & 188 (GB), WB318 (France), and WB 169 (Italy). **other id:** 89-C58. **other id:** GP-142. **group:** CSR-SUGARBEET. **restricted:** CSR. **remarks:** Multigerm, self-sterile. Broad based population derived from crosses between sugarbeet and *B. maritima*. Greenhouse and field grown plants selected for resistance to rhizomania by visual and elisa (BNYVV) methods. Segregates for annualism, root and leaf color, root and leaf shape, resistance to diseases. Retains many wild beet traits. In a series of greenhouse tests, 62% of plants were highly resistant to rhizomania, 59% to *Phytophthora drechsleri*, 70% to *E. carotovora betavascularum* and 24% were visually free of powdery mildew. Biennial. Breeding Material. Seed.