

PI 518773 to 518778-continued

PI 518776 **donor id:** HA 338. **origin:** United States. **pedigree:** HA 89*3/H. praecox 419. **other id:** GP-98. **source:** Crop Sci. 28(6):1040. **group:** CSR-SUNFLOWER. **remarks:** Cytoplasmic male sterile. Susceptible to races 1,3, and 4 of rust (*Puccinia helianthi*). **disease resistance:** Races 2,3, and 4 of downy mildew (*Plasmopara halstedii*). **Breeding Material.** Seed.

PI 518777 **donor id:** HA 339. **origin:** United States. **pedigree:** HA 89*3/H. praecox 424. **other id:** GP-99. **source:** Crop Sci. 28(6):1040. **group:** CSR-SUNFLOWER. **remarks:** Cytoplasmic male sterile. Susceptible to races 1,3, and 4 of rust (*Puccinia helianthi*). **disease resistance:** Races 2,3, and 4 of downy mildew (*Plasmopara halstedii*). **Breeding Material.** Seed.

PI 518778 **donor id:** HA 340. **origin:** United States. **pedigree:** HA 89*3/H. argophyllus 415. **other id:** GP-100. **source:** Crop Sci. 28(6):1040. **group:** CSR-SUNFLOWER. **remarks:** Male fertility restorer. Susceptible to races 1 and 3 of rust (*Puccinia helianthi*). **disease resistance:** Races 2,3, and 4 of downy mildew (*Plasmopara halstedii*). Race 4 of rust (*Puccinia helianthi*). **Breeding Material.** Seed.

PI 518779 to 518781. *Beta vulgaris* L. CHENOPODIACEAE Sugarbeet

Donated by: Lasa, J.M., Cosejo Superior de Investigaciones Cient, Estacion Experimental de Aula Dei, Zaragoza, Spain; and Hecker, R.J., Crops Research Lab., USDA-ARS, Colorado State University, Ft. Collins, Colorado, United States. **remarks:** Cooperative research of CSIC and USDA-ARS. Received May 17, 1988.

PI 518779 **donor id:** AD-1. **origin:** United States. **pedigree:** Colchicine-induced 4x line. **other id:** PL-27. **source:** Crop Sci. 28(6):1041. **group:** CSR-SUGARBEET. **remarks:** Plants self-sterile, genetically heterogeneous, bolting susceptible. Seeds multigerm. Sucrose content very high. Leaves and tops large. Roots broad elliptic, medium position in soil. Superior combining ability for sucrose production. **disease resistance:** Medium tolerance to leaf spot (*Cercospora beticola*). **Breeding Material.** Seed.

PI 518780 **donor id:** AD-2. **origin:** United States. **pedigree:** Colchicine-induced 4x line. **other id:** PL-28. **source:** Crop Sci. 28(6):1041. **group:** CSR-SUGARBEET. **other id:** AD-645. **remarks:** Plants self-sterile, genetically heterogeneous, easy bolting. Seeds multigerm. Sucrose content high. Root yield medium. Superior combining ability for sucrose production. **disease resistance:** High to leaf spot (*Cercospora beticola*). **Breeding Material.** Seed.