PI 591329. Triticum durum Desf.
Breeding. 261.

PI 591330. Triticum durum Desf.
Breeding. 262.

PI 591331. Triticum durum Desf.
Breeding. 263.

PI 591332. Triticum durum Desf.
Breeding. 264.

PI 591333. Triticum durum Desf.
Breeding. 265.

The following were developed by Lee Panella, USDA, ARS, Colorado State University, Sugarbeet Research, Crops Research Lab., Fort Collins, Colorado 80536-2083, United States; Earl G. Ruppel, USDA-ARS, Crops Research Laboratory, 1701 Center Avenue, Fort Collins, Colorado 80526, United States. Received 07/28/1995.

PI 591334. Beta vulgaris L.
Breeding. Population. FC725; 921008. GP-167. Pedigree - C37 / FC707/2. An F2 population of 25 individuals was random mated and followed by four cycles of mass selection for resistance to Rhizoctonia root rot. Multigerm, non O-type, self-sterile, and 44% green hypocotyls. Excellent resistance to Rhizoctonia root rot (Rhizoctonia solani) when tested under strong disease pressure and also shows some tolerance to the Cercospora leaf spot. Can be used as a pollinator for making Rhizoctonia root rot- and Cercospora leaf spot-resistant hybrids or as a source population from which such pollinators can be selected.

PI 591335. Beta vulgaris L.
Breeding. Population. FC726; 931010. GP-168. Pedigree - FC703/3 / Permano. White roots selected in F2 generation followed by four generations of mass selection for resistance to Rhizoctonia and three simultaneous generations of mass selection for high sucrose. Multigerm, non O-type, self-sterile, and 46% green hypocotyls. Low sugar but considerable vigor, excellent Rhizoctonia root rot resistance. Moderate resistance to Cercospora leaf spot. No tolerance to Curly Top.

PI 591336. Beta vulgaris L.
Breeding. Population. FC728; 921025. GP-169. Pedigree - Derived of equal numbers of F1 plants (90) from three crosses Mono-Hy A4 / FC708, Mono-Hy D2 / FC708, and Mono-Hy 309 / FC708. These F1s were inter-pollinated and underwent five generations of mass selection for resistance to Rhizoctonia root rot. Multigerm, non 0-type, self-sterile, sterile-cytoplasm and 26% green hypocotyls. Low frequency of segregants for monogermity and O-type. Less than 15% male sterility. Vigorous and relatively high sucrose. Excellent resistance to Rhizoctonia root rot. Moderate resistance to Cercospora leaf spot. Should be good source of high combining ability. Should be possible to isolate monogerm, O-type, and CMS genotypes.

The following were developed by B.S. Talukdar, Int. Crops Res. Inst. for the Semi-Arid Tropics, Cereals Program, Patancheru, Andhra Pradesh 502 324, India . Received 08/10/1995.

PI 591337. Pennisetum glaucum (L.) R. Br.
Breeding. Inbred. ICMR 356. Pedigree - B 282 / J 104. Bulk method up to F12 generation. The F12 progeny random mated twice in isolation plots.