

PI 506219 to 506230. *Oryza sativa* L. POACEAE Rice

**Donated by:** Rutger, J.N., USDA-ARS, Department of Agronomy and Range Science, University of California, Davis, California, United States.  
**remarks:** Cooperative germplasm releases by the USDA-ARS, the California Co-operative Rice Research Foundation, Inc., and the California Agricultural Experiment Station. Received January 16, 1987.

PI 506219 **donor id:** Early S-201. **origin:** United States. **pedigree:** Selection from M2 generation of irradiated S-201. **other id:** GP-54. **remarks:** Induced mutant, similar to its semidwarf parent but 7 days earlier maturing. Potentially useful as an early maturing source for rice breeding programs. Grain somewhat intermediate between typical short and medium types. Breeding Material. Seed.

PI 506220 **donor id:** Very Early M9. **origin:** United States. **pedigree:** Selection from cultivar M9. **other id:** GP-64. **group:** CSR-RICE. **remarks:** Spontaneous mutant, similar to semidwarf parent M9 except 7 days earlier maturing. Potentially useful as an early maturity source for rice breeding programs. Breeding Material. Seed.

PI 506221 **donor id:** Light green panicle M-101. **origin:** United States. **pedigree:** Selection from M3 generation of irradiated cultivar M-101. **other id:** GP-55. **group:** CSR-RICE. **remarks:** Induced mutant, similar to semidwarf parent M-101 except for light green panicle and leaf color. Light green panicle color especially noticeable for about two weeks beginning at heading. Potentially useful as a marker gene (lgp) for cultivar identification. Breeding Material. Seed.

PI 506222 **donor id:** Yellow Panicle ESD7-3. **origin:** United States. **pedigree:** Selection from M3 generation of irradiated selection ESD7-3. **other id:** GP-56. **group:** CSR-RICE. **remarks:** Induced mutant with yellow-green panicle color. Potentially useful as a marker gene (yp) for cultivar identification. Breeding Material. Seed.

PI 506223 **donor id:** Waxy M-101. **origin:** United States. **pedigree:** Selection from M2 generation of irradiated cultivar M-101. **other id:** GP-57. **remarks:** Induced mutant similar to semidwarf parent M-101 except for waxy endosperm. Useful as a marker gene source (recessive wx for near-zero amylose content) for outcrossing and hybrid rice research. Breeding Material. Seed.