

PI 511339 to 511344-continued

- PI 511340 **donor id:** KY8654. **origin:** United States. **pedigree:** NC 95*4/KY14. **other id:** GP-24. **group:** CSR-TOBACCO. **remarks:** Field performance similar to the recurrent parent. Source of root knot nematode resistance for development of burley tobacco cultivars. **nematode resistance:** Root knot (*Meloidogyne incognita*). Breeding Material. Seed.
- PI 511341 **donor id:** KY8635. **origin:** United States. **pedigree:** NC 95*4/KY17. **other id:** GP-25. **group:** CSR-TOBACCO. **remarks:** Field performance similar to the recurrent parent. Source of root knot nematode resistance for development of burley tobacco cultivars. **nematode resistance:** Root knot (*Meloidogyne incognita*). Breeding Material. Seed.
- PI 511342 **donor id:** HI Burley 21. **origin:** United States. **pedigree:** Burley 21/LA Burley 21. **other id:** GP-26. **group:** CSR-TOBACCO. **remarks:** Released for use in development of breeding lines with altered alkaloid levels and in examining the biosynthesis of alkaloids. Total alkaloid content intermediate at 25mg g-1 dry weight. Breeding Material. Seed.
- PI 511343 **donor id:** LI Burley 21. **origin:** United States. **pedigree:** Burley 21/LA Burley 21. **other id:** GP-27. **group:** CSR-TOBACCO. **remarks:** Released for use in development of breeding lines with altered alkaloid levels and in examining the biosynthesis of alkaloids. Total alkaloid content intermediate at 12mg g-1 dry weight. Breeding Material. Seed.
- PI 511344 **donor id:** KY78379. **origin:** United States. **pedigree:** Beinhart 1000-1/Burley 49//VA 509. **other id:** GP-28. **group:** CSR-TOBACCO. **remarks:** Nicotine content high (25-30 mg g-1). Released for use in studies for biosynthesis of alkaloids in tobacco and investigations of the role of alkaloids in formation of smoke components. **disease resistance:** Intermediate to black shank. High to tobacco mosaic virus, wildfire and black rot. Breeding Material. Seed.

PI 511345 to 511347. *Gossypium hirsutum* L. MALVACEAE Cotton

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