

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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