PI 531521 to 531523. Nicotiana tabacum L. SOLANACEAE Tobacco

Donated by: Nielsen, M.T., Department of Agronomy, University of Kentucky, Lexington, Kentucky, United States. **remarks:** Released by the Kentucky Agricultural Experiment Station in 1989. Received May 3, 1989.

PI 531521 **donor id:** KDH 926. **origin:** United States. **pedigree:** KY14/Tobacco Introduction 1406 (Virgin A. mutant). **other id:** GP-37. **group:** CSR-TOBACCO. **remarks:** Germplasm with different levels of trichome exduate constituents. Plants flower 2 to 9 days later, have 1 to 6 more leaves (4 to 15cm longer), and approx. 30cm taller than KY 14. Contains the yb alleles for low chlorophyll content. Chemical constituents of leaf trichome exudate may contribute to disease and insect resistance, flavor, and aroma. Annual. Breeding Material. Seed.

PI 531522 **donor id:** KDH 959. **origin:** United States. **pedigree:** Tobacco Introduction 1406 (Virgin A mutant)/Tobacco Introduction 1068. **other id:** GP-38. **group:** CSR-TOBACCO. **remarks:** Germplasm with different levels of trichome exduate constituents. Plants flower 2 to 9 days later, have 1 to 6 more leaves (4 to 15cm longer). and approximately 30cm taller than Ky 14. Leaf shape and color similar to T.I. 1068 1068. Chemical constituents of leaf trichome exudate may contribute to disease and insect resistance, flavor, and aroma. Annual. Breeding Material. Seed.

PI 531523 **donor id:** KDH 960. **origin:** United States. **pedigree:** Tobacco Introduction 1406 (Virgin A mutant)/Tobacco Introduction 1068. **other id:** GP-39. **group:** CSR-TOBACCO. **remarks:** Germplasm with different levels of trichome exduate constituents. Plants very dark green, flower 2-9 days later have 1-6 more leaves, (4-15cm longer) curling at leaf margin and appox. 30cm taller. Chemical constituents of leaf trichome exudate may contribute to disease and insect resistance, flavor, and aroma. Annual. Breeding Material. Seed.

PI 531524. Saccharum hybrid POACEAE Sugarcane

Donated by: Fanguy, H.P., USDA-ARS, Sugarcane Research Unit, P.O. Box 470, Houma, Louisiana, United States. **remarks:** Developed cooperatively by USDA-ARS, the Louisiana Agricultural Experiment Station and the American Cane League of USA, Inc. Received May 3, 1989.