

PI 557503 to 557533-continued

- PI 557506 **donor id:** N49. **origin:** United States. **pedigree:** Self-pollination of four different homozygous plants derived from a single, doubly-heterozygous F2 plant following 6 successive crosses of cucubb segregates to CuCuBB plants selected from PI 165554. **remarks:** N49 (CuCuBB genotype) small, annual autogamous form of white-flowered sweetclover that is high in coumarin and high in B-glucosidase activity. Cu/cu alleles govern coumarin content and the B/b alleles govern B-glucosidase activity in sweetclover. Seed should be scarified before planting. One of a set of 4 lines differing in coumarin content and B-glucosidase activity that represent all possible. Spring Annual. Genetic Material. Seed.
- PI 557507 **donor id:** N50. **origin:** United States. **pedigree:** F6 generation from single F1 plant obtained from cross of N1 strain, having dark green seeds (yyCC genotype) X a line designated JF-1, having light yellow seed (YYcc genotype). **remarks:** N50 (YYCC genotype) medium yellow seed & red seedling stem. Seed color in sweetclover is determined by combined effects of the presence or absence of green pigmentation in embryo & seed coat, controlled by Y/y alleles & of brown pigmentation in seed coat, conditioned by C/c alleles. The C/c alleles also control red vs. green seedling stem color. Seed should be scarified before planting. One of a set of 4. Biennial. Genetic Material. Seed.
- PI 557508 **donor id:** N51. **origin:** United States. **pedigree:** F6 generation from single F1 plant obtained from cross of N1 strain, having dark green seeds (yyCC genotype) X a line designated JF-1, having light yellow seed (YYcc genotype). **remarks:** N51 (YYcc genotype) light yellow seed & green seedling stem. Seed color in sweetclover is determined by combined effects of the presence or absence of green pigmentation in embryo & seed coat, controlled by Y/y alleles & of brown pigmentation in seed coat, conditioned by C/c alleles. The C/c alleles also control red vs. green seedling stem color. Seed should be scarified before planting. One of a set of 4. Biennial. Genetic Material. Seed.