

- PI 557516 **donor id:** U363. **origin:** United States. **pedigree:** The el mutation carried by line U363 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554. **remarks:** Plants homozygous for the el (elongated stem) gene, which is inherited as a simple recessive. Plants have longer than normal internodes, especially at the seedling stage, and branching and leaf production are markedly reduced. Seed should be scarified before planting. Annual. Genetic Material. Seed.
- PI 557517 **donor id:** U367. **origin:** United States. **pedigree:** The dsp mutation carried by line U367 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554. **remarks:** Plants homozygous for the dsp (short-petiole dwarf) gene, which is inherited as a simple recessive. Plants are much shorter than normal. Leaves are attached to stem by very short petioles. Seed should be scarified before planting. Annual. Genetic Material. Seed.
- PI 557518 **donor id:** U369. **origin:** United States. **pedigree:** The ch8 mutation carried by line U369 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554. **remarks:** Plants homozygous for the ch8 chlorophyll deficiency gene, which is inherited as a simple recessive. Leaves have reduced chlorophyll contents, but their chlorophyll a/b ratio is about that of normal leaves. Work on U369 has been reported in Biochem. Gen. 28:31. 1990. Seed should be scarified before planting. Annual. Genetic Material. Seed.
- PI 557519 **donor id:** U370. **origin:** United States. **pedigree:** The ch9 mutation carried by line U370 was isolated following ethyl methanesulfonate treatment of seed of line U389, a small, annual, white-flowered, autogamous strain of sweetclover derived from PI 165554. **remarks:** Plants homozygous for the ch9 chlorophyll deficiency gene, which is inherited as a simple recessive. Leaves have reduced chlorophyll contents and elevated chlorophyll a/b ratios. Seed should be scarified before planting. Annual. Genetic Material. Seed.