Name: roID>>ACCD

Accessions: H11

Map position:

Gene function: 1-amino-cyclopropane-1-carboxylic acid deaminase (ACCD) which cleaves the ethylene precursor (ACC) into α -ketobutyrate and ammonia.

Gene effect: MT plants over expressing *roID>>ACCD* are deficient in ethylene accumulation in roots.

Phenotypes: no obvious morphological differences. The plants are resistant to kanamycin, which is the selectable maker in the vector used.

Comments: *rolD* is an *Agrobacterium rhizogenes*-derived promoter that drives expression to roots.

Description of accessions available: MT-*ACCD* is a BC6Fn. The first transgenic plants with this construct were produced in cv Heinz FND902 by Dr. Mary Robison.

Figures:

Bibliography

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