

Name: *bipinnata (bip)*

Accessions: LS4

Gene ID: Solyc02g089940

Map position: chromosome 2 (long arm)

Gene function: *BIPINNATA* is a member of the *BEL1-like homeodomain (BELL or BLH)* family, homologue to *AtSAW1* and *AtSAW2*.

Gene effect: Plants with the mutated allele have impaired regulation of the leaflet initiation programme leading to an increase in the number of leaflets. The mutated allele consists in an 8-bp deletion within the coding region, which introduces a premature stop codon.

Phenotypes: leaves highly divided, with smaller, acute segments.

Comments:

Description of accessions available: MT-*bip* is a BC6Fn introgressed from LA3765.

Figures:

Bibliography

Kimura S, Koenig D, Kang J, Yoong FY, Sinha N (2008) Natural variation in leaf morphology results from mutation of a novel KNOX gene. *Current Biology* 18:672-677.