



Supplemental Fig. 1. Schematic diagram (a) according to Fig. 1 and genomic sequences (b) of *Gm-JAG1* (*Glyma20g25000*) of the plant materials (Table 1) Boxes in (a) and (b) and inverted colored letters in (b) indicate exon regions and the nucleic acid differences from *Ln* genotype, respectively. Genotype; I. : *Ln* (EN, SC, FK, CL, HR), II. : 541m, III. : 685m, and IV. : *ln* (*SC_{ln}*, *FK_{ln}*, *CL_{ln}*, *HR_{ln}*).

1 EAR-motif 40

I. MRPERNP^LDLNNLP^DDEYSRDGKQVLEDHTSSSGCRKKKSG

III. MRPERNP^LD^FNNLP^DDEYSRDGKQVLEDHTSSSGCRKKKSG

IV. MRPERNP^L^HLNNLP^DDEYSRDGKQVLEDHTSSSGCRKKKSG

41 80

GKDGKDECGKVYECR^FCSLKFCKSQALGGHMNRHRQERET

GKDGKDECGKVYECR^FCSLKFCKSQALGGHMNRHRQERET

GKDGKDECGKVYECR^FCSLKFCKSQALGGHMNRHRQERET

81 120

ETLNQARQLVFRCDHNI^AAAQGAPHLGCCQTI^GTGGYHPSG

ETLNQARQLVFRCDHNI^AAAQGAPHLGCCQTI^GTGGYHPSG

ETLNQARQLVFRCDHNI^AAAQGAPHLGCCQTI^GTGGYHPSG

121 160

DPTVPLRFPRYFSGSSSTHMPPSPPPPPPPQRPYLYPSPT

DPTVPLRFPRYFSGSSSTHMPPSPPPPPPPQRPYLYPSPT

DPTVPLRFPRYFSGSSSTHMPPSPPPPPPPQRPYLYPSPT

161 200

RPVSFGSSHFPLQHAVNDYYVGHVMSGGSHGHYVGGESTR

RPVSFGSSHFPLQHAVNDYYVGHVMSGGSHGHYVGGESTR

RPVSFGSSHFPLQHAVNDYYVGHVMSGGSHGHYVGGESTR

201 240

SYTCIGAPVGQGGGFAGGKEGSAVQEEGLSTWGRGYSGAQ

SYTCIGAPVGQGGGFAGGKEGSAVQEEGLSTWGRGYSGAQ

SYTCIGAPVGQGGGFAGGKEGSAVQEEGLSTWGRGYSGAQ

241 256

DRLDPPSAI^NRFDQGF

DRLDPPSAI^NRFDQGF

DRLDPPSAI^NRFDQGF

Supplemental Fig. 2. Deduced amino acid sequences of *Gm-JAG1* (*Glyma20g25000*) of the plant materials (Table 1) except for 541m (M1null)

Inverted colored letters indicate the nucleic acid differences from *Ln* genotype. Genotype; I. : *Ln* (EN, SC, FK, CL, HR), II. : 541m (null), III. : 685m, and IV. : *ln* (*SC_ln*, *FK_ln*, *CL_ln*, *HR_ln*).