

Nucleotide sequence variation of GLABRA1 contributing to phenotypic variation of leaf hairiness in Brassicaceae vegetables

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AtGL1 MRIRRRDEKEN-OEYKKGLWTVEEDNILMDYVLNHGTGOWNRIVRKTLGKRCGKSCRLRW 59
BrGL1(A-a|l|e|e) MRTRRRTEEEENHQEYKKGLWTVEEDNILRDYVLTHGKGOWNRIVRKTLGKRCGKSCRLRW 60
BrGL1(B-a|l|e|e) MRTRRRTEEEENHQEYKKGLWTVEEDNILRDYVLTHGKGOWNRIVRKTLGKRCGKSCRLRW 60
BrGL1(C-a|l|e|e) MRTRRRTEEEENHQEYKKGLWTVEEDNILRDYVLTHGKGOWNRIVRKTLGKRCGKSCRLRW 60

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AtGL1 MNYLSPNVNKGNFTEQEDL IRLHKLLGNRWSL IAKRVPGR TDNOVKNYWNTLH SKKL V 119
BrGL1(A-a|l|e|e) INYLSNVNKGNFTEQEDL IRLHKLLGNRWSL IAKRVPGR TDNOVKNHWNTHL SKK IV 120
BrGL1(B-a|l|e|e) INYLSNVNKGNFTEQEDL IRLHKLLGNRWSL IAKRVPGR TDNOVKNHSSQQ-KNRR 119
BrGL1(C-a|l|e|e) INYLSNVNKGNFTEQEDL IRLHKLLGNRWSL IAKRVPGR TDNOVKNHWNTHL SKK IV 120

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AtGL1 GDYSSAVKTTGEDDDSPSLFITAAPSSCHGGENIYENIAKSFNGVVSASYEDKPKQE 179
BrGL1(A-a|l|e|e) GDYSSAVKTTGE-ENDPPSLLITAAATTS-GHHQODKICD---KSFEGLVASAYENKQKAD 175
BrGL1(B-a|l|e|e) GLFLRCONHWRR-----KRSTVT-THRRNFWSE-----SSTRQN 153
BrGL1(C-a|l|e|e) GDYSSAVKTTGE-ENDPPSLLITAAATTS-GHHQODKICD---KSFEGLVASAYENKQKAD 175

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AtGL1 LAQKDVLMATTNDPSSHYYGNNAWVHDDD-FELSSLVMMNFASGDVEYCL 228
BrGL1(A-a|l|e|e) LTHTDSSLYFKERNNF DSSNAFWFNDDDDFE MNSFAMMDFASGDTGYCL 225
BrGL1(B-a|l|e|e) L----- 154
BrGL1(C-a|l|e|e) LTHTDSSLYFKERNNF DSSNAFWFNDDDDFE MNSFAMMDFASGDTGYCL 225

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