



# HOKKAIDO UNIVERSITY

Title	Involvement of the P1 Cistron in Overcoming eIF4E-Mediated Recessive Resistance Against Clover yellow vein virus in Pea
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Supplementary Table S1. A mutation of CIYVV/37Brsh isolates at position 260 nucleotides from 5' termini of CIYVV genome

	Propagated in						Detected mutation of cyv2-breaking viruses
	Broad bean		Pea, PI 378159 ( <i>cyv2</i> )				
CIYVV/37Brsh isolates	dCAPS with <i>Psi</i> I	Sequencing	dCAPS with <i>Psi</i> I	dCAPS with <i>Afa</i> I	Sequencing		
1	No substitution (A)	Not tested	Substitution (not A)	Not tested	Not tested		Substitution (not A)
2	Not tested	Not tested	Substitution (not A)	Not tested	Not tested		Substitution (not A)
3	No substitution (A)	Not tested	Substitution (not A)	Substitution (A to G)	Substitution (A to G)		Substitution (A to G)
6	No substitution (A)	No substitution (A)	Substitution (not A)	Not tested	Not tested		Substitution (not A)
8	Including substitution (not A)	Including substitution (A to G)	Substitution (not A)	Not tested	Not tested		Substitution (A to G)
9	No substitution (A)	Including substitution (A to G)	Substitution (not A)	Not tested	Not tested		Substitution (A to G)
10	Including substitution (not A)	Not tested	Not tested	Not tested	Not tested		Substitution (not A)
11	Not tested	Not tested	Not tested	Substitution (A to G)	Not tested		Substitution (A to G)
CIYVV/W6Brsh isolates <sup>a</sup>							
1	Not tested	Not tested	Not tested	Substitution (A to G)	Not tested		Substitution (A to G)
2	Not tested	Not tested	Not tested	Substitution (A to G)	Not tested		Substitution (A to G)
3	Not tested	Not tested	Not tested	Substitution (A to G)	Not tested		Substitution (A to G)
4							

<sup>a</sup> The *cyv2*-resistance breaking virus isolates obtained by mechanical inoculation of another *cyv2* pea, PI W6-15452 with CIYVV/C3-S65T