Shoot Tip Cryopreservation and Elimination of SMV and CMV Virus from Infected Stocks of *Pinellia ternata (Thunb.)* Breit.

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Table 1 Screened primers and optimum annealing temperature

Primer number	Primer Sequence 5′→3′	Theoretical annealing temperature（T/℃）	Optimum annealing temperature（T/℃）
835	AGAGAGAGAGAGAGAGYC	50.2	53.0
854	TCTCTCTCTCTCTCTCRG	50.0	56
880	GGAGAGGAGAGGAGA	47.9	55.4
881	GGGTGGGGTGGGGTG	60.6	60.6
ISSR-77	ACTCACTCACTCACTC	46.6	48

Table 2 The numbers of ISSR bands produced from cryo-derived plants of *P. ternata*

Clones	No. of plantlets	No. of total bands	No. of adding bands	No. of missing bands	Band variation rate / %
40-1	7	233	0	0	0
40-2	7	275	0	0	0
40-3	5	149	0	0	0
40-4	6	239	0	0	0
40-5	10	350	0	1	0.286
40-6	5	171	0	0	0
40-7	2	76	0	0	0
40-8	2	82	0	0	0
total	44	1575	0	1	0.063

Table 3 Comparison of different virus eradication methods on survival, regrowth and virus elimination

Methods	No. of shoot tips	Survival rate （%）	Regeneration rate （%）	Virus-free (%)	
				SMV^-	CMV^-
Shoot tip culture for twice	30	100.0[a]	100.0[a]	80.0%[a]	40.0%[c]
Cryotherapy	30	80.0[b]	70.0[b]	85.7%[a]	57.1%[a]
38°C for 2 weeks+shoot tip culture	30	83.3[b]	83.3a[b]	88.0%[a]	28.0%[d]
35°C for 2 weeks+shoot tip culture	30	100.0[a]	93.3[a]	85.7%[a]	14.3%[e]
35°C for 4 weeks+shoot tip culture	30	100.0[a]	83.3a[b]	88.0%[a]	48.0%[b]

a–e Means in the same column with different letters are significantly different at $p < 0.05$