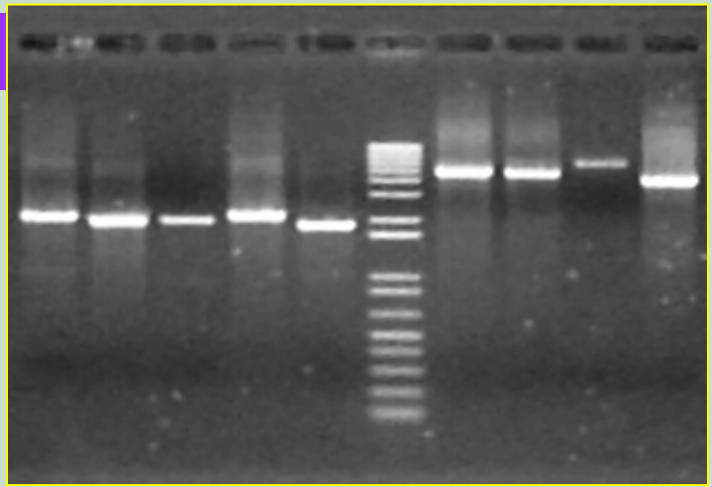
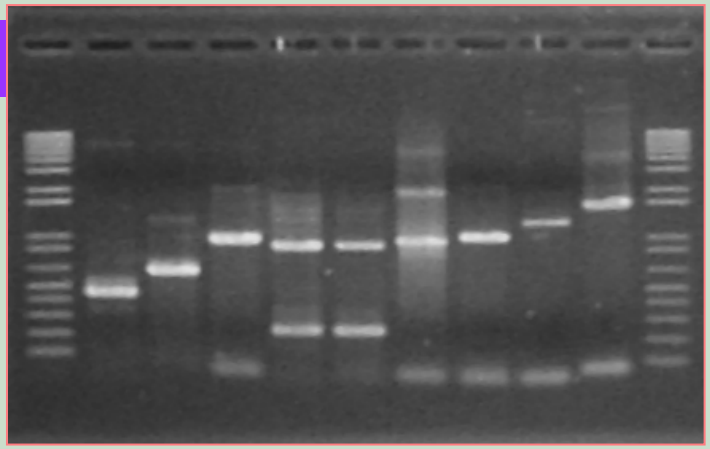
LMu-Primer Pair PCR: Target DNAs & Yield

PCR-rx on M13 Clones:
(A) Target Inserts on clones
(B) Dual-Phase PCR Yield

A



B



No.	Virus	M13R/F	(A)	PCR		(B)
Lane	Genus	Clone	SeQ	Primers		Size
1	Poty	DsMV	1826	06	07	414
2	Poty	TuMV	1757	03	07	592
3	Poty	PVA	1682	03	11	789
4	Poty	ZaMMV	1845	02	05	916
5	Poty	ZaMV	1600	03	11	982
6	Tombus	CNV	4701	09	10	856
7	Tombus	TBSV	4776	09	10	856
8	Carmo	HCRSV	3910	04	08	1208
9	Potex	BaMV	6366	01	04	1613

Dual-Phase PCR Protocol:

a) **Touch-Down Phase**: on original templates
36.0~ 33.0oC down 0.3oC each cycle

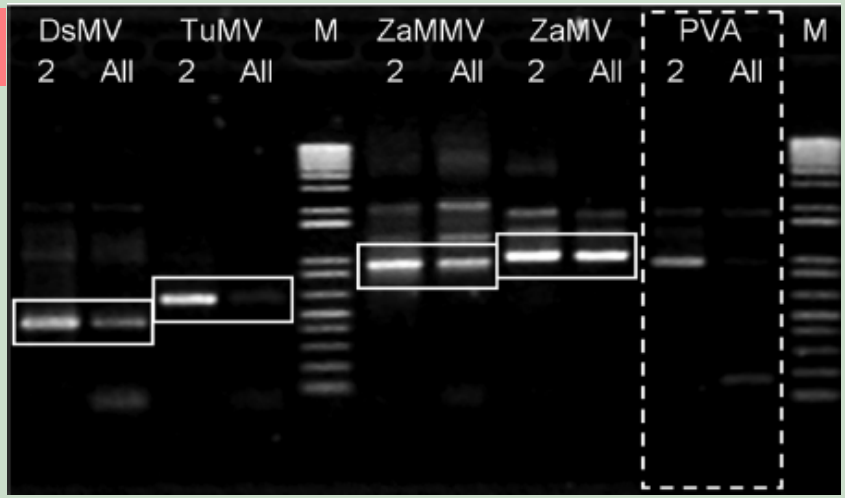
b) **Steady-State Phase**: on PCR yield templates
55.0oC x30 cycles

LMu-Primer Pair/MS: PCR & DIG-Labeling

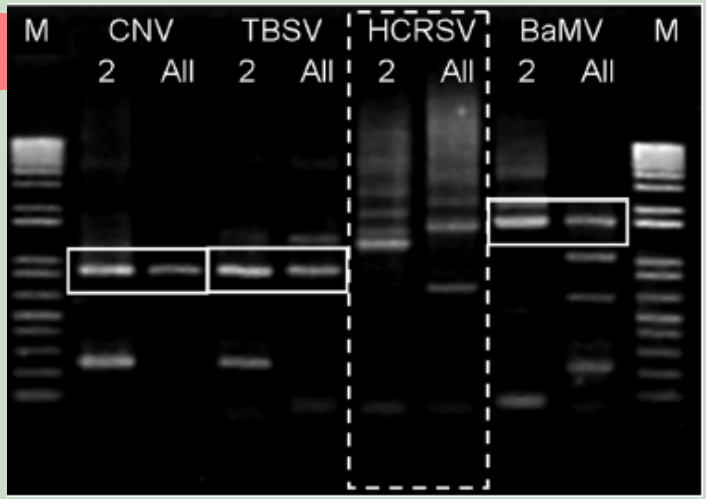
PCR-rx on Respective DNA:

1) 2 primers pair
2) All 11 MinSet primers

A



B



No.	Virus	M13R/F	PCR		(A,B)
Lane	Genus	Insert	Primers		Size
1	Poty	DsMV	06	07	414
2	Poty	TuMV	03	07	592
4	Poty	ZaMMV	02	05	832
5	Poty	ZaMV	03	11	982
3	Poty	PVA	03	11	789
6	Tombus	CNV	09	10	856
7	Tombus	TBSV	09	10	856
8	Carmo	HCRSV	04	08	1208
9	Potex	BaMV	01	04	1613

Dual-Phase PCR Protocol:

a) **Touch-Down Phase**: on original templates
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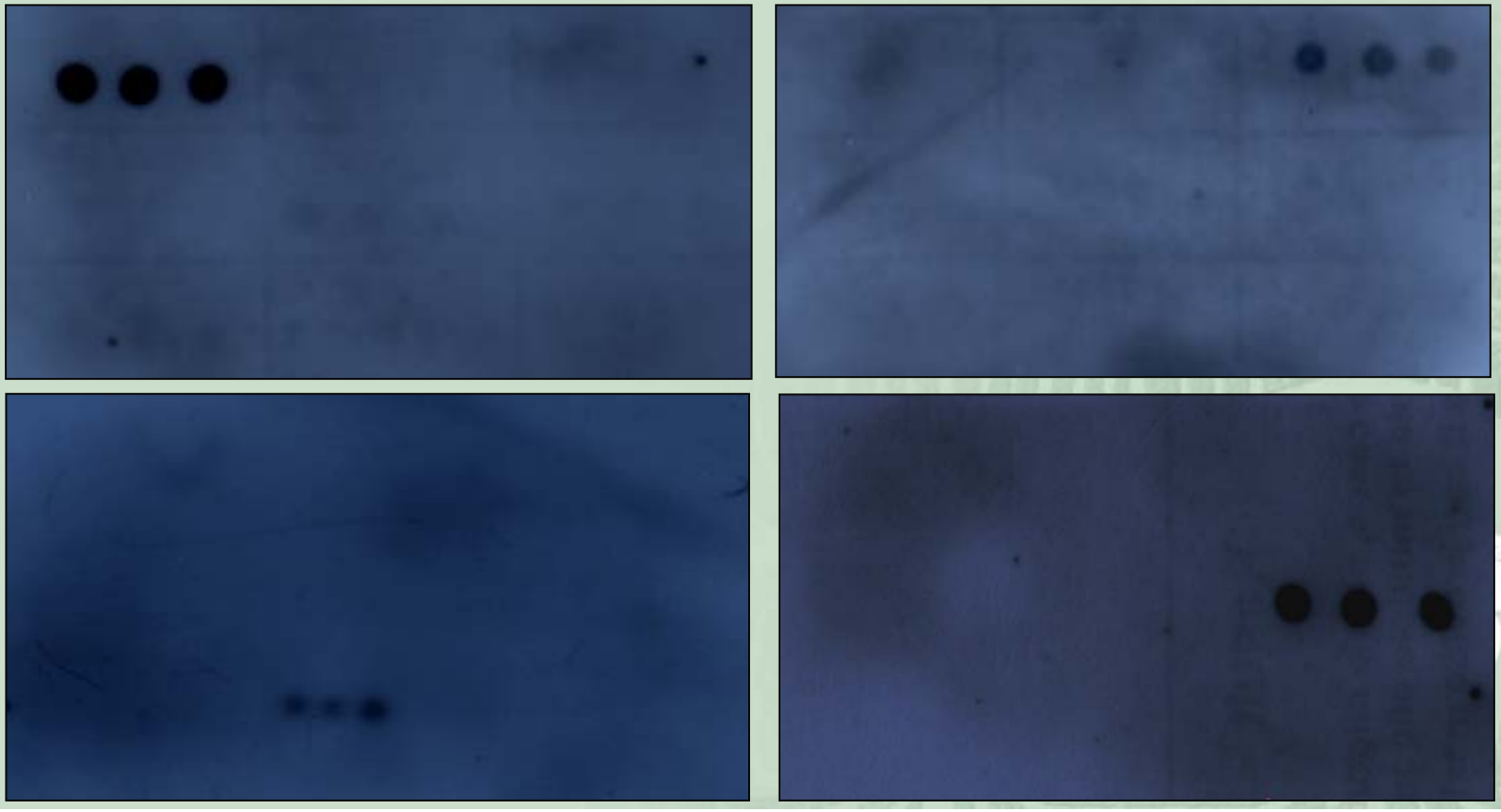
55.0oC x30 cycles

(1) Array-Hyb CLE: PCR-dig & Ab*ap|CDP-star

2.TuMV ●●●	1.DsMV ○○○	5.PVA ●●●
3.ZaMMV ○○○	4.ZaMV ○○○	8.HCRSV ●●●
6.CNV ○○○	7.TBSV ●●●	9.BaMV ○○○



(2) Array-Hyb Color: PCR-dig & Ab*ap|NBT

2.TuMV ● ● ●	1.DsMV ○ ○ ○	**5.PVA** ● ● ●
3.ZaMMV ○ ○ ○	4.ZaMV ○ ○ ○	**8.HCRSV** ● ● ●
6.CNV ○ ○ ○	**7.TBSV** ● ● ●	9.BaMV ○ ○ ○