

Supplementary Table 2. Ct value of LMoV, PIAMV, CMV, and LSV of primer and probe concentration optimization using probe-based multiplex RT-qPCR

Virus	Primer and probe concentration (μM)		Ct value				
			RNA concentration				
	Primer	Probe	3	3×10 ⁻¹	3×10 ⁻²	3×10 ⁻³	3×10 ⁻⁴
P1							
LMoV	10	2	15.81	24.26	28.32	32.03	17.51
PIAMV	10	2	17.22	24.86	28.54	33.05	-
CMV	10	2	18.47	26.44	29.97	35.10	-
LSV	10	2	17.16	24.95	28.93	33.36	-
P3							
LMoV	0.2	0.2	25.02	29.88	15.62	35.10	30.55
PIAMV	0.2	0.2	-	-	-	-	-
CMV	0.2	0.2	12.35	31.62	4.52	34.25	24.66
LSV	0.2	0.2	2.23	4.02	1.33	32.33	36.60
P4							
LMoV	0.3	0.2	24.50	29.89	39.64	32.32	18.38
PIAMV	0.3	0.2	-	-	-	-	-
CMV	0.3	0.2	5.14	27.36	34.16	32.86	38.72
LSV	0.3	0.2	15.63	6.09	36.04	2.08	29.21
P5							
LMoV	0.4	0.2	18.24	36.63	20.57	29.75	24.18
PIAMV	0.4	0.2	-	-	-	-	-
CMV	0.4	0.2	16.05	23.53	28.51	35.54	24.16
LSV	0.4	0.2	15.27	1.83	29.85	1.32	37.12
P6							
LMoV	0.5	0.2	26.94	10.57	37.12	6.18	5.53
PIAMV	0.5	0.2	28.99	34.82	38.72	28.48	30.83
CMV	0.5	0.2	17.31	26.49	31.21	34.13	30.77
LSV	0.5	0.2	10.55	15.14	27.14	20.60	25.48
P7							
LMoV	10	2	21.60	22.98	27.84	31.58	36.82
PIAMV	10	2	22.66	21.40	26.33	29.22	32.76
CMV	2	2	21.72	22.66	27.82	31.38	35.91
LSV	2	2	20.03	20.40	25.65	28.96	32.57
P8							
LMoV	10	2	20.30	23.10	27.57	30.69	35.05
PIAMV	10	2	19.57	21.21	25.41	28.39	31.24

Supplementary Table 2. Continued

Virus	Primer and probe concentration (μM)		Ct value				
	Primer	Probe	RNA concentration				
			3	3×10 ⁻¹	3×10 ⁻²	3×10 ⁻³	3×10 ⁻⁴
CMV	5	1	18.61	21.71	26.51	29.51	32.73
LSV	5	1	16.08	19.16	24.01	27.10	30.12
P9							
LMoV	2	2	21.89	24.78	28.78	33.07	-
PIAMV	10	2	20.63	22.38	25.86	29.76	33.49
CMV	2	2	20.32	23.11	27.00	31.14	35.33
LSV	2	2	18.38	20.95	24.62	28.78	32.59
P10							
LMoV	1	0.5	27.08	26.36	29.76	33.83	-
PIAMV	1	0.5	31.54	20.70	21.56	3.66	36.07
CMV	1	0.5	19.92	19.78	23.80	28.02	32.28
LSV	1	0.5	17.48	18.35	22.22	26.27	30.73
P11							
LMoV	1	0.5	20.79	24.16	28.19	31.72	36.25
PIAMV	10	2	18.57	21.34	25.26	28.68	32.23
CMV	1	0.5	16.06	18.68	23.35	27.25	31.14
LSV	1	0.5	10.67	14.47	18.64	10.68	25.91
P12							
LMoV	1	0.5	25.67	24.30	27.43	30.81	34.11
PIAMV	5	1	-	-	-	-	-
CMV	1	0.5	14.56	12.07	-	-	12.15
LSV	1	0.5	21.01	20.57	23.70	27.25	30.61
P13							
LMoV	5	1	20.11	22.43	25.28	29.34	33.15
PIAMV	10	2	23.11	23.00	24.43	28.80	31.63
CMV	2	2	22.43	23.90	26.51	30.63	34.05
LSV	2	2	19.98	21.08	23.37	27.51	30.62
P14							
LMoV	10	2	16.04	20.61	25.40	14.63	-
PIAMV	10	2	17.57	22.49	27.17	30.33	34.77
CMV	5	1	16.72	22.22	27.08	30.52	33.51
LSV	2	2	16.34	26.36	26.36	29.87	33.64

Supplementary Table 2. Continued

Virus	Primer and probe concentration (μM)		Ct value				
	Primer	Probe	RNA concentration				
			3	3×10^{-1}	3×10^{-2}	3×10^{-3}	3×10^{-4}
P15							
LMoV	5	1	19.57	23.56	28.09	31.64	35.63
PIAMV	10	2	17.84	21.69	26.09	29.81	33.06
CMV	5	1	16.53	20.52	25.10	28.78	33.14
LSV	2	2	16.98	20.82	25.53	29.27	33.21
P16							
LMoV	5	1	18.34	23.75	29.07	31.72	-
PIAMV	10	2	1.72	12.22	24.07	3.70	32.56
CMV	2	2	19.02	24.06	29.20	31.93	-
LSV	5	1	15.38	20.56	25.80	28.65	31.84
P17							
LMoV	2	2	8.22	17.22	4.25	18.24	26.11
PIAMV	10	2	21.58	26.12	31.31	33.69	36.29
CMV	1	0.5	17.40	23.81	29.66	32.84	35.54
LSV	2	2	20.20	25.49	31.02	33.59	36.65
P18							
LMoV	2	2	20.25	27.72	32.95	36.35	-
PIAMV	5	2	17.54	24.17	28.10	32.04	35.30
CMV	1	0.5	18.61	25.97	30.82	34.30	-
LSV	2	2	18.90	25.57	30.33	33.52	37.61
P19							
LMoV	2	1	21.59	28.51	33.40	-	-
PIAMV	5	2	19.42	25.53	30.37	33.85	36.88
CMV	1	0.5	17.42	24.83	29.93	34.07	-
LSV	2	1	6.04	19.32	11.67	28.25	24.92

Ct, threshold cycles; LMoV, lily mottle virus; PIAMV, plantago asiatica mosaic virus; CMV, cucumber mosaic virus; LSV, lily symptomless virus; RT-qPCR, reverse transcription-quantitative polymerase chain reaction.