

Supplementary Table S1. Correlation results among all the tested parameters in assay I, using seedlings.

ASSAY I USING SEEDLINGS		End-point PCRs			Real-time PCRs			Virus copy number	
		Inoculum number	Virus strain (0 None, 1 E-5, 2 L-18)	Lesion area (mm ²)	Original virus concentra- tion (ng/ul)	Qiagen Extract (ng/ul)	Takara Dye Toothpic k (ng/ul)	Takara III Extract (ng/ul)	Takara III Toothpick (ng/ul)
Inoculum number	Pearson Correlation Sig. (2- tailed)	1							
Virus strain (0 None, 1 E- 5, 2 L-18)	Pearson Correlation Sig. (2- tailed)	-0.621 6.852E-6	1						
Lesion area (mm ²)	Pearson Correlation Sig. (2- tailed)	0.754 3.519E-9	-0.628 4.928E-6	1					
Original virus concentration (ng/ul)	Pearson Correlation Sig. (2- tailed)	-0.882 2.587E-15	0.818 1.270E-11	-0.738 1.084E-8	1				
Qiagen Extract (ng/ul)	Pearson Correlation Sig. (2- tailed)	-0.801 6.318E-11	0.657 1.243E-6	-0.695 1.659E-7	0.854 1.701E-13	1			
Takara Dye Toothpick (ng/ul)	Pearson Correlation Sig. (2- tailed)	-0.802 6.111E-11	0.657 1.251E-6	-0.695 1.657E-7	0.854 1.705E-13	1.000 3.355E-106	1		
Takara III Extract (ng/ul)	Pearson Correlation Sig. (2- tailed)	-0.802 6.281E-11	0.658 1.239E-6	-0.695 1.659E-7	0.854 1.743E-13	1.000 1.6E-103	1.000 5.19E-112	1	
Takara III Toothpick (ng/ul)	Pearson Correlation Sig. (2- tailed)	-0.774 6.248E-11	0.636 1.264E-6	-0.665 1.672E-7	0.832 1.760E-13	0.984 5.289E-111	0.984 2.181E-119	0.984 1.383E-112	1
Virus copy number	Pearson Correlation Sig. (2- tailed)	-0.205 0.181	0.325 0.031	-0.227 0.138	0.247 0.107	0.510 0.0004	0.510 0.0004	0.510 0.0003	0.507 0.0004
		Negative correlation is significant at the 0.05 level (2-tailed).							
		Positive correlation is significant at the 0.05 level (2-tailed).							
N		44	44	44	44	44	44	44	44

Supplementary Table S2. Correlation results among all the tested parameters in assay I, using branches.

ASSAY I USING BRANCHES		End-point PCRs Real-time PCRs								Virus copy number
		Inoculum number	Virus strain (0 None, 1 E-5, 2 L-18)	Lesion area (mm ²)	Original virus concentration (ng/ul)	Qiagen Extract (ng/ul)	Takara Dye Toothpick (ng/ul)	Takara III Extract (ng/ul)	Takara III Toothpick (ng/ul)	
Inoculum number	Pearson Correlation Sig. (2-tailed)	1								
Virus strain (0 None, 1 E-5, 2 L-18)	Pearson Correlation Sig. (2-tailed)	-0.621059003 1.149E-4	1							
Lesion area (mm ²)	Pearson Correlation Sig. (2-tailed)	0.74075626 8.25551E-07	-0.573329364 4.872E-4	1						
Original virus concentration (ng/ul)	Pearson Correlation Sig. (2-tailed)	-0.763085723 2.42429E-07	0.947139243 7.39719E-17	-0.618621356 1.244E-4	1					
Qiagen Extract (ng/ul)	Pearson Correlation Sig. (2-tailed)	-0.631351624 8.15436E-05	0.701417699 5.43413E-06	-0.536603299 1.285E-3	0.808636403 1.24752E-08	1				
Takara Dye Toothpick (ng/ul)	Pearson Correlation Sig. (2-tailed)	-0.677587885 1.4805E-05	0.764437702 2.24142E-07	-0.567765792 5.684E-4	0.850110249 3.84052E-10	0.946747663 8.27108E-17	1			
Takara III Extract (ng/ul)	Pearson Correlation Sig. (2-tailed)	-0.694589536 7.3123E-06	0.658301711 3.12419E-05	-0.547004191 9.873E-4	0.81279874 9.15058E-09	0.952502458 1.46261E-17	0.936502481 1.17742E-15	1		
Takara III Toothpick (ng/ul)	Pearson Correlation Sig. (2-tailed)	-0.765735589 2.07785E-07	0.798113709 2.64421E-08	-0.5992026 2.290E-4	0.907321694 3.36468E-13	0.927070585 9.42806E-15	0.945964974 1.03136E-16	0.943959032 1.78935E-16	1	
Virus copy number	Pearson Correlation Sig. (2-tailed)	-0.33596088 0.05593902	0.10597614 0.5572241	-0.1840679 0.30516821	0.26755686 0.13223907	0.51294676 2.269E-3	0.43727226 1.093E-2	0.51182069 2.329E-3	0.54341257 1.082E-3	1
		Negative correlation is significant at the 0.05 level (2-tailed).								
		Positive correlation is significant at the 0.05 level (2-tailed).								
	N	33	33	33	33	33	33	33	33	33