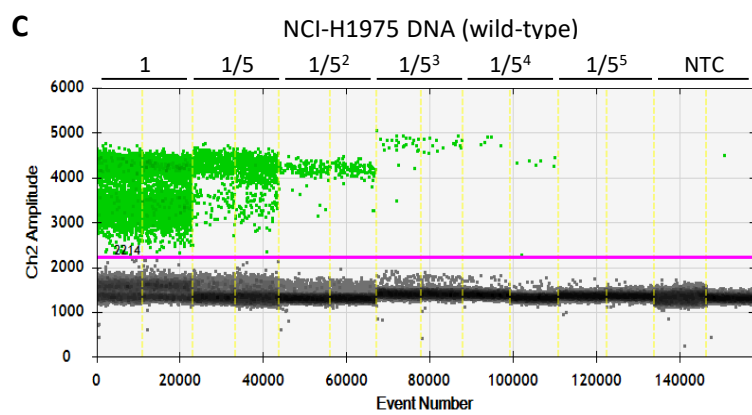
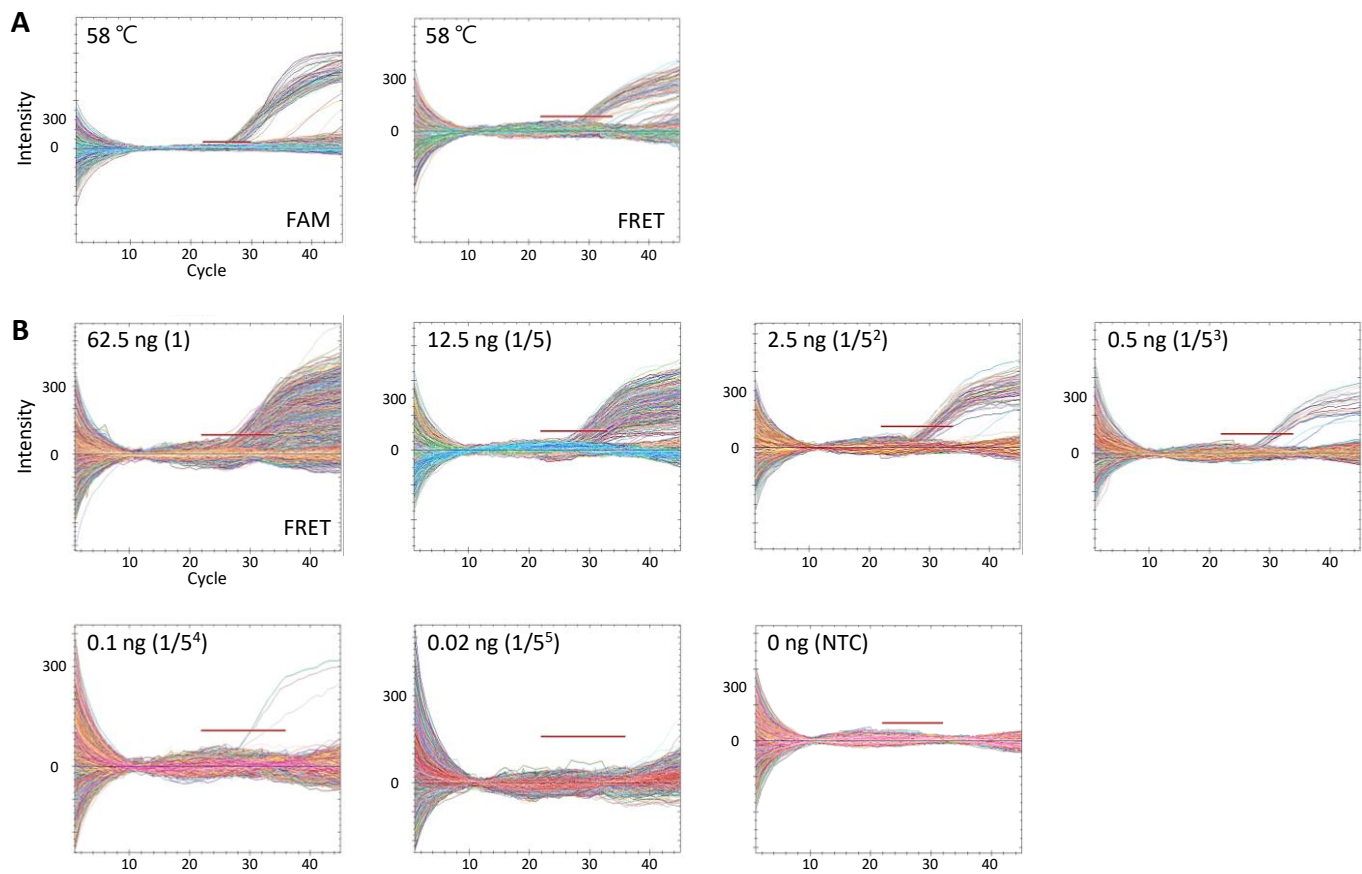


Supplementary Fig. S1



Supplementary Fig. S2

A

NCI-H1975 DNA (T790M) - QX200

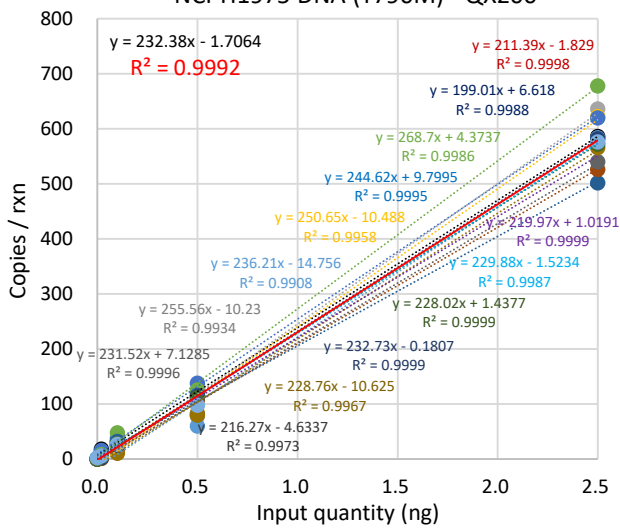
Dilution factors	Average	SD	Fold change	CV (%)
1	581.43	46.33	0.18	7.97
1/5	102.43	22.37		
1/5 ²	26.41	9.50	0.22	35.96
1/5 ³	5.94	5.09		
NTC	0.27	0.72		

NCI-H1975 DNA (T790M) - LOAA

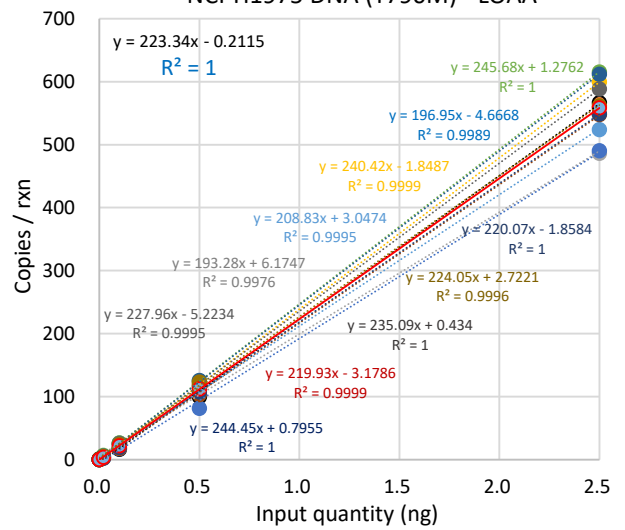
Dilution factors	Average	SD	Fold change	CV (%)
1	557.98	44.77	0.20	8.02
1/5	112.29	13.45		
1/5 ²	21.87	4.05	0.17	18.52
1/5 ³	3.62	1.53		
NTC	0.00	0.00		

B

NCI-H1975 DNA (T790M) - QX200



NCI-H1975 DNA (T790M) - LOAA



Supplementary Fig. S3

A

SARS-CoV-2 RNA (RdRP-1) - QX200

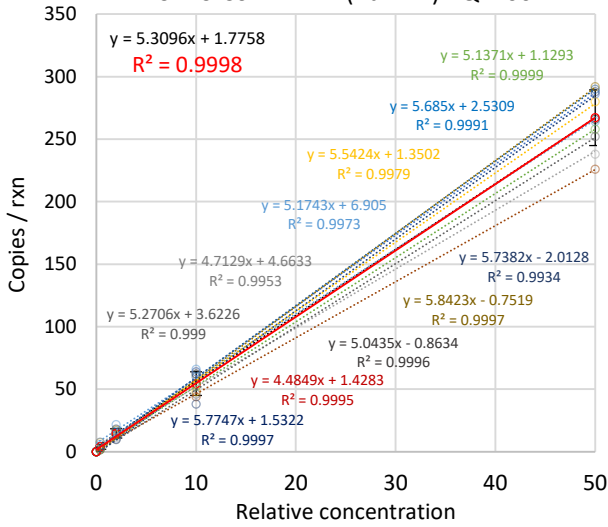
Dilution factors	Average	SD	Fold change	CV (%)
1	267.27	22.28	0.20	8.33
1/5	54.36	9.50		
1/5 ²	14.53	3.68	0.27	25.34
1/5 ³	4.04	2.09	0.28	51.82
NTC	0.00	0.00		

SARS-CoV-2 RNA (RdRP-1) - LOAA

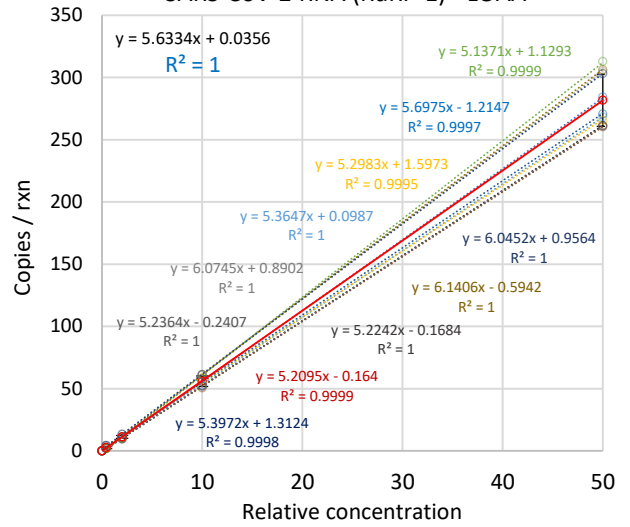
Dilution factors	Average	SD	Fold change	CV (%)
1	281.78	21.01	0.20	7.46
1/5	56.00	4.22		
1/5 ²	11.18	1.20	0.20	10.76
1/5 ³	2.74	0.96	0.24	35.24
NTC	0.00	0.00		

B

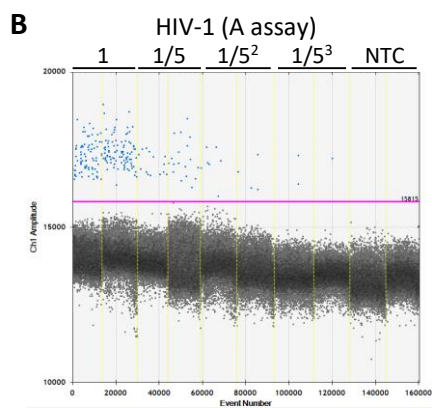
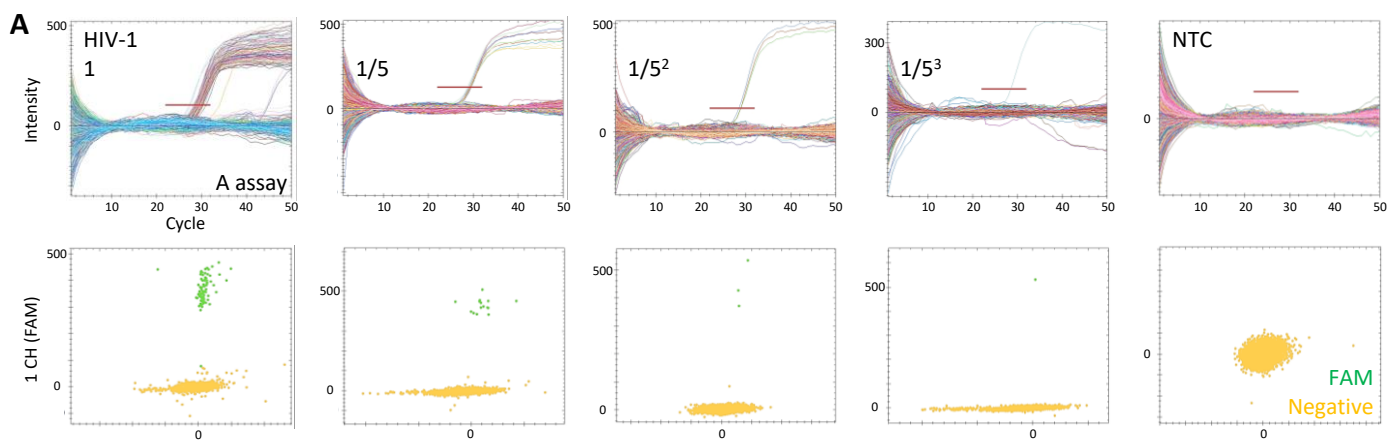
SARS-CoV-2 RNA (RdRP-1) - QX200



SARS-CoV-2 RNA (RdRP-1) - LOAA



Supplementary Fig. S4



Supplementary Fig. S5

A

HIV-1 RNA (A assay) - QX200

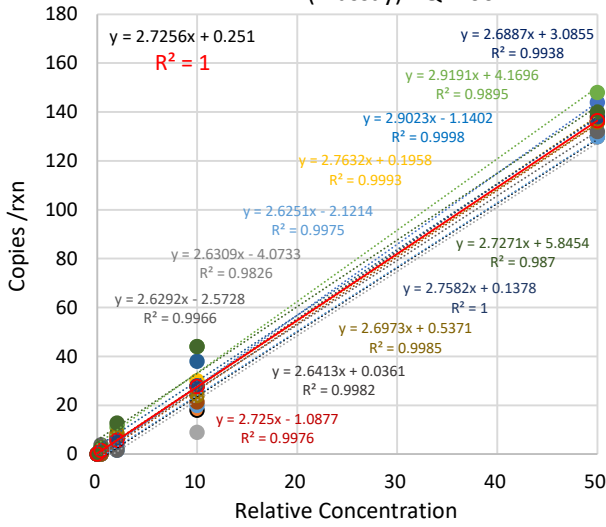
Dilution factors	Average	SD	Fold change	CV (%)
1	136.50	5.66	0.20	4.15
1/5	27.67	10.44		37.74
1/5 ²	5.57	3.71	0.27	66.65
1/5 ³	1.50	1.28		85.37
NTC	0.00	0.00		

HIV-1 RNA (A assay) - LOAA

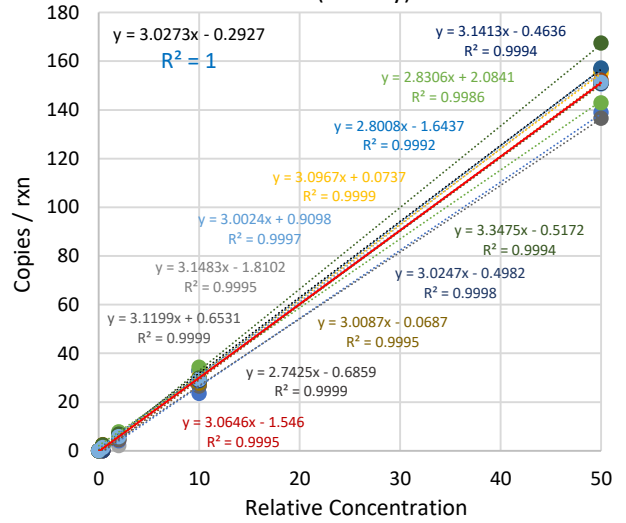
Dilution factors	Average	SD	Fold change	CV (%)
1	154.69	12.41	0.19	8.02
1/5	29.24	3.05		10.44
1/5 ²	5.71	1.56	0.22	27.27
1/5 ³	1.27	1.13		88.95
NTC	0.00	0.00		

B

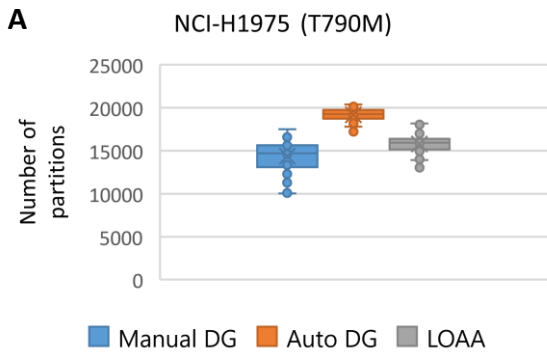
HIV-1 RNA (A assay) - QX200



HIV-1 RNA (A assay) - LOAA

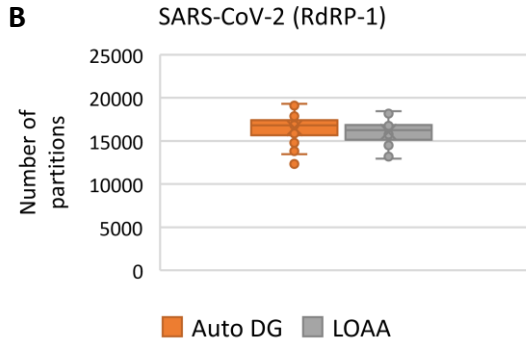


Supplemental Fig. S6



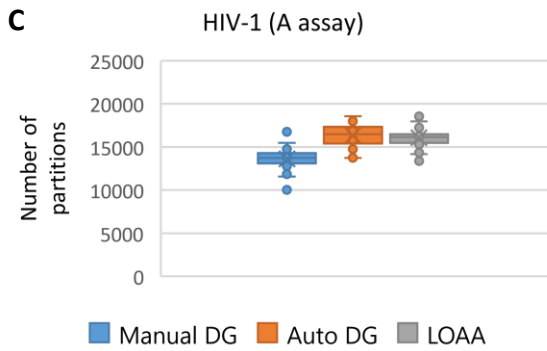
NCI-H1975 DNA (T790M)

Dilution factors	QX200		LOAA	
	Average	SD	Average	SD
1	2.47.E-02	1.96.E-03	1.60.E-02	1.28.E-03
1/5	4.36.E-03	9.55.E-04	3.22.E-03	3.84.E-04
1/5 ²	1.12.E-03	4.08.E-04	6.26.E-04	1.18.E-04
1/5 ³	2.54.E-04	2.19.E-04	1.02.E-04	4.47.E-05
NTC	1.13.E-05	3.00.E-05	0.00.E+00	0.00.E+00



SARS-CoV-2 RNA (RdRP-1)

Dilution factors	QX200		LOAA	
	Average	SD	Average	SD
1	1.14.E-02	9.46.E-04	8.08.E-03	6.02.E-04
1/5	2.32.E-03	3.99.E-04	1.61.E-03	1.21.E-04
1/5 ²	6.18.E-04	1.56.E-04	3.20.E-04	3.44.E-05
1/5 ³	1.73.E-04	9.01.E-05	7.85.E-05	2.76.E-05
NTC	0.00.E+00	0.00.E+00	0.00.E+00	0.00.E+00



HIV-1 RNA (A assay)

Dilution factors	QX200		LOAA	
	Average	SD	Average	SD
1	5.74.E-03	2.38.E-04	4.43.E-03	3.55.E-04
1/5	1.17.E-03	4.44.E-04	8.38.E-04	8.75.E-05
1/5 ²	2.41.E-04	1.55.E-04	1.64.E-04	4.46.E-05
1/5 ³	6.38.E-05	5.47.E-05	3.63.E-05	3.24.E-05
NTC	0.00.E+00	0.00.E+00	0.00.E+00	0.00.E+00