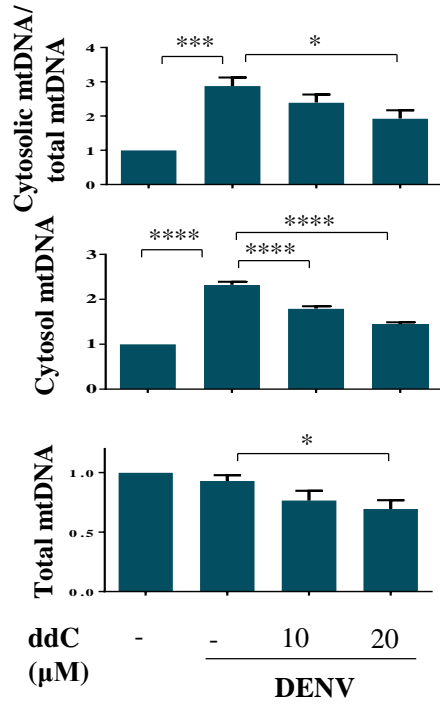


A

Cytosol/ total mtDNA



One way ANOVA

p value (v.s. mtDNA)

experiment	24 hr			
	mock	DENV	DENV ddC 10	DENV ddC 20
1	1	3.470407	1.74164	1.460917
2	1	2.74927	2.434671	1.950445
3	1	3.008433	2.83185	2.580205
4	1	2.268412	2.571496	1.723925
AVG.	1	2.8741305	2.39491425	1.928873
SEM	0	0.251009275	0.232816417	0.239040657
One way ANOVA		0.0001	0.3916	0.0228

Cytosol mtDNA

One way ANOVA

p value (v.s. mtDNA)

experiment	24 hr			
	mock	DENV	DENV ddC 10	DENV ddC 20
1	1	2.419988	1.82134	1.453973
2	1	2.273634	1.681793	1.361314
3	1	2.445281	1.931873	1.569168
4	1	2.158456	1.735077	1.385109
AVG.	1	2.32433975	1.79252075	1.442391
SEM	0	0.066997429	0.05462754	0.046602269
One way ANOVA		< 0.0001	< 0.0001	< 0.0001

total mtDNA

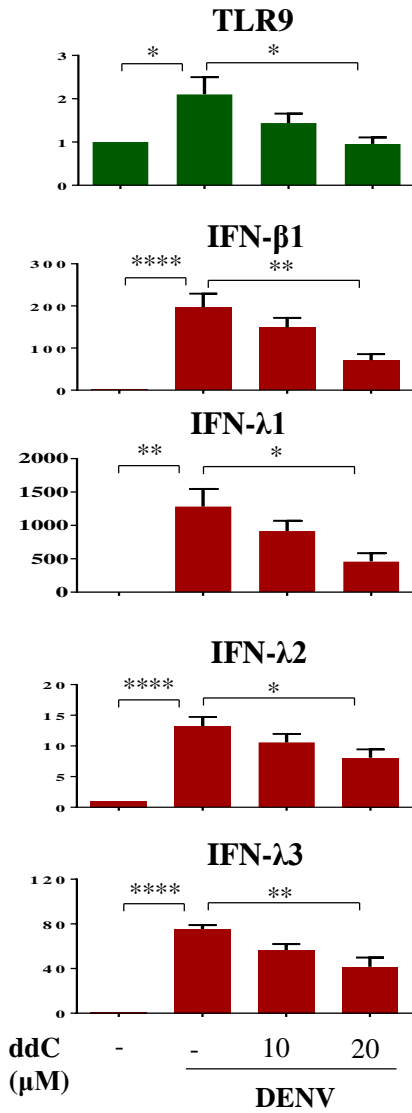
One way ANOVA

p value (v.s. mtDNA)

experiment	24 hr			
	mock	DENV	DENV ddC 10	DENV ddC 20
1	1	0.983691	0.922391	0.819802
2	1	0.831242	0.720519	0.6961
3	1	0.970582	0.651123	0.565434
AVG.	1	0.928505	0.764677667	0.693778667
SEM	0	0.048778513	0.081361483	0.073438889
One way ANOVA		> 0.9999	0.0724	0.0207

A

Fold of induction of mRNA

**TLR9 mRNA**

		24 hr			
experiment	mock	DENV	DENV ddC 10	DENV ddC 20	
1	1	2.540302	1.252664	0.795536	
2	1	1.310393	1.189207	0.817902	
3	1	2.457013	1.872655	1.257471	
AVG.	1	2.102569333	1.438175333	0.956969667	
SEM	0	0.396817242	0.218010805	0.150389326	
One way ANOVA	p value (v.s. DENV)	0.0342	0.2532	0.0283	

INF-β1 mRNA

		24 hr			
experiment	mock	DENV	DENV ddC 10	DENV ddC 20	
1	1	284.0102	202.2224	50.90713	
2	1	188.0583	151.1709	57.08491	
3	1	188.0583	151.1709	114.1698	
4	1	126.2307	89.56854	62.46251	
AVG.	1	196.589375	148.533185	71.1560875	
SEM	0	32.58105568	23.04574481	14.53093272	
One way ANOVA	p value (v.s. DENV)	< 0.0001	0.4066	0.0039	

INF-λ1 mRNA

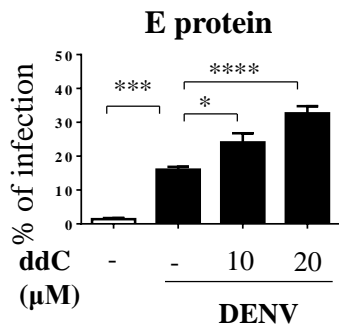
		24 hr			
experiment	mock	DENV	DENV ddC 10	DENV ddC 20	
1	1	1808.318	1218.114	254.3074	
2	1	1017.294	803.704	680.5331	
3	1	1023.541	723.7533	447.0686	
AVG.	1	1283.051	915.1904333	460.6363667	
SEM	0	262.6396912	153.2101433	123.227635	
One way ANOVA	p value (v.s. DENV)	0.0017	0.4544	0.0227	

INF-λ2 mRNA

		24 hr			
experiment	mock	DENV	DENV ddC 10	DENV ddC 20	
1	1	14.82536	12.50986	10.06738	
2	1	14.66641	11.66995	9.089069	
3	1	14.66641	11.66995	9.089069	
4	1	8.571551	6.47183	4.048498	
AVG.	1	13.18243275	10.5803975	8.073504	
SEM	0	1.537417136	1.383757016	1.361340006	
One way ANOVA	p value (v.s. DENV)	< 0.0001	0.4892	0.0387	

INF-λ3 mRNA

		24 hr			
experiment	mock	DENV	DENV ddC 10	DENV ddC 20	
1	1	79.79572	65.97439	57.58857	
2	1	78.0762	47.0762	29.89694	
3	1	68.59181	56.4916	37.14164	
AVG.	1	75.48791	56.51406333	41.54238333	
SEM	0	3.483596497	5.455449104	8.291190092	
One way ANOVA	p value (v.s. DENV)	< 0.0001	0.1024	0.0055	

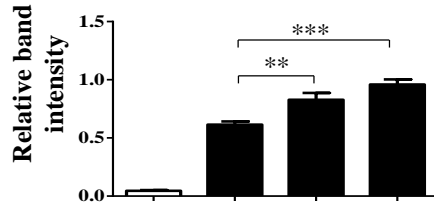
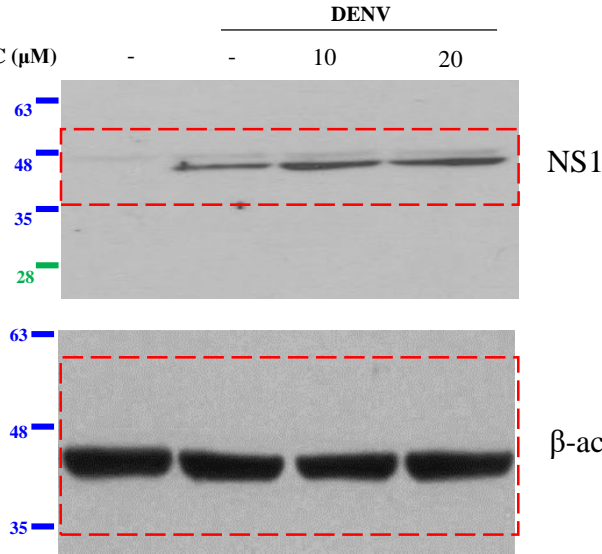
B**E protein flow cytometry**

One way ANOVA

p value (v.s. DENV)

24 hr

experiment	mock	DENV	DENV ddC 10	DENV ddC 20
1	0.83	16.86	28.65	36.09
2	0.8	17.17	28.89	34.07
3	1.94	13.52	18.64	34
4	1.96	16.54	20.02	26.44
AVG.	1.3825	16.0225	24.05	32.65
SEM	0.327728928	0.84402187	2.740051703	2.125962527
p value (v.s. DENV)	0.0003		0.0243	<0.0001

C

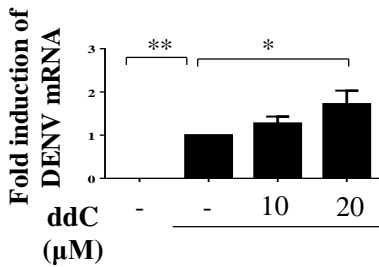
NS1/ β-actin

One way ANOVA

p value (v.s. DENV)

24 hr

experiment	mock	DENV	DENV ddC 10	DENV ddC 20
1	0.047755	0.657215	0.828242	0.879962
2	0.041586	0.562773	0.852924	0.91491
3	0.061089	0.664763	0.675971	0.96102
4	0.034344	0.57163	0.956987	1.081626
AVG.	0.0461935	0.61409525	0.828531	0.9593795
SEM	0.005671228	0.027178123	0.058001867	0.043999596
p value (v.s. DENV)	<0.0001		0.0064	0.0001

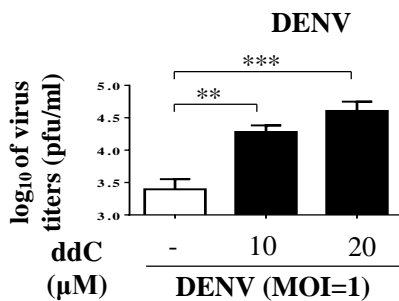
D**DENV mRNA**

One way ANOVA

p value (v.s. DENV)

24 hr

experiment	mock	DENV	DENV ddC 10	DENV ddC 20
1	1.44E-06	0.996381	1.152503	1.574365
2	0.0000141	1.004287	1.095183	1.391048
3	0.0000074	1.003592	1.098224	1.279138
4	2.69E-06	0.99574	1.745743	2.636897
AVG.	6.4075E-06	1	1.27291325	1.720362
SEM	2.86728E-06	0.002282645	0.158158933	0.311512153
p value (v.s. DENV)	0.0048		0.8728	0.0388

E**Virus titer**

One way ANOVA

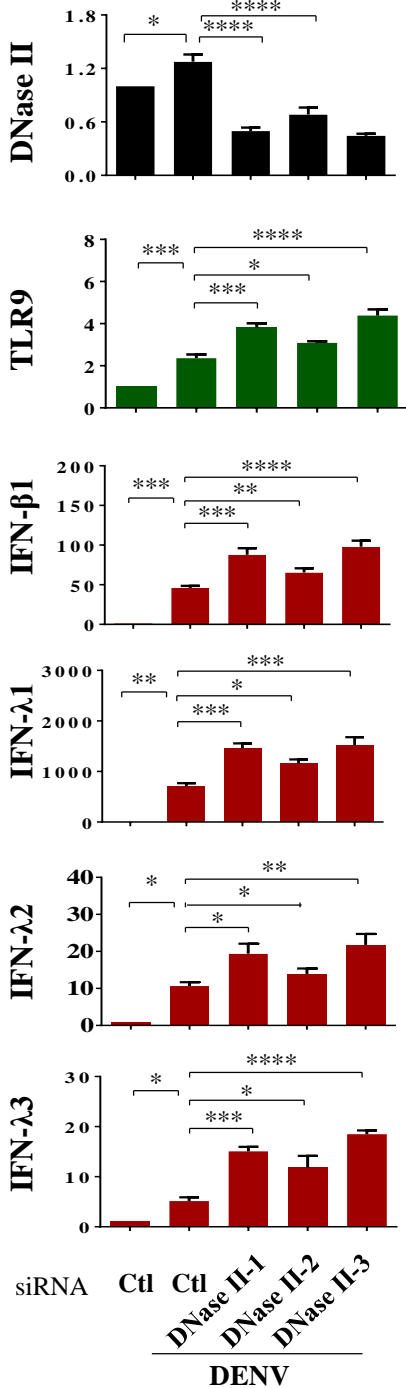
p value (v.s. DENV)

24 hr

experiment	DENV	DENV ddC 10	DENV ddC 20
1	2.954243	4.041393	4.267172
2	3.60206	4.491362	4.973128
3	3.40654	4.39794	4.562293
4	3.623249	4.190332	4.618048
AVG.	3.396523	4.28025675	4.60516025
SEM	0.155285242	0.101471312	0.144810226
p value (v.s. DENV)		0.0026	0.0003

F

Fold induction of mRNA



Dnaase II mRNA

experiment	24 hr				
	Mock siCtl	DENV siCtl	DENV siDnaase II-1	DENV siDnaase II-2	DENV siDnaase II-3
1	1	1.21841	0.410371	0.532185	0.397768
2	1	1.140764	0.526681	0.624165	0.45219
3	1	1.235419	0.456916	0.680657	0.418994
4	1	1.510473	0.592546	0.898132	0.505226
AVG.	1	1.2762665	0.4966285	0.68378475	0.4435445
SEM	0	0.080741101	0.039917371	0.077723616	0.023412189
One way ANOVA (v.s. DENV)	p value	0.0104	< 0.0001	< 0.0001	< 0.0001

TLR9 mRNA

experiment	24 hr				
	Mock siCtl	DENV siCtl	DENV siDnaase II-1	DENV siDnaase II-2	DENV siDnaase II-3
1	1	2.143547	3.375263	2.958775	4.098227
2	1	2.770219	3.605002	3.063116	3.931282
3	1	2.020903	3.97237	3.271608	4.287094
4	1	2.531513	4.301978	3.105876	5.223439
AVG.	1	2.3665455	3.81365325	3.09984375	4.3850105
SEM	0	0.173051928	0.203996206	0.065056812	0.288771005
One way ANOVA (v.s. DENV)	p value	0.0003	0.0002	0.0434	< 0.0001

IFN-β1 mRNA

experiment	24 hr				
	Mock siCtl	DENV siCtl	DENV siDnaase II-1	DENV siDnaase II-2	DENV siDnaase II-3
1	1	46.52712	105.4197	66.48698	109.1373
2	1	40.64483	72.00374	52.70983	84.44851
3	1	52.89282	98.36001	78.52064	112.986
4	1	43.41134	75.32203	64	85.33112
AVG.	1	45.8690275	87.77637	65.4293625	97.9757325
SEM	0	2.631527031	8.302544646	5.294098015	7.598029862
One way ANOVA (v.s. DENV)	p value	0.0002	0.0004	0.0058	< 0.0001

IFN-λ1 mRNA

experiment	24 hr				
	Mock siCtl	DENV siCtl	DENV siDnaase II-1	DENV siDnaase II-2	DENV siDnaase II-3
1	1	661.6846	1341.8430	1016.9270	1327.9640
2	1	831.7465	1646.2870	1273.8680	1833.0110
3	1	617.3736	1398.825	1196.8280	1403.6820
AVG.	1	703.6016	1462.318	1162.541	1521.552
SEM	0	65.33684	93.44355	76.12789	157.2558
One way ANOVA (v.s. DENV)	p value	0.0013	0.0007	0.0238	0.0004

IFN-λ2 mRNA

experiment	24 hr				
	Mock siCtl	DENV siCtl	DENV siDnaase II-1	DENV siDnaase II-2	DENV siDnaase II-3
1	1	9.513657	21.70567	12.72858	24.76104
2	1	8.544523	12.59693	10.48315	13.13187
3	1	13.08643	25.19386	17.14838	26.44641
4	1	11.51147	18.06343	15.29513	22.62742
AVG.	1	10.66402	19.3899725	13.91381	21.741685
SEM	0	1.016605638	2.691850455	1.459014685	2.974396056
One way ANOVA (v.s. DENV)	p value	0.0134	0.0267	0.0125	0.0047

IFN-λ3 mRNA

experiment	24 hr				
	Mock siCtl	DENV siCtl	DENV siDnaase II-1	DENV siDnaase II-2	DENV siDnaase II-3
1	1	4.806544	16.22335	14.47007	17.87659
2	1	6.588728	15.67072	13.8326	19.97329
3	1	4.013887	13.31518	7.160201	17.63048
AVG.	1	5.136386333	15.06975	11.820957	18.49345333
SEM	0	0.761369056	0.891672005	2.337632482	0.743321365
One way ANOVA (v.s. DENV)	p value	0.0148	0.0007	0.0121	< 0.0001