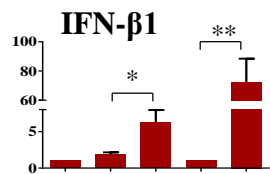


**A**

**IFN-β1 mRNA**

**24 hr**

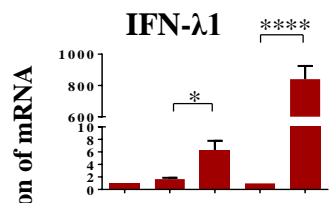
experiment	ctl	nDNA	mtDNA	mock	DENV
1	1	0.972655	2.329467	1	23.6702
2	1	2	3.193194	1	68.5935
3	1	2.34567	5.598343	1	58.89201
4	1	1.613284	9.747282	1	94.02679
5	1	2.496661	10.51954	1	117.3765
AVG.	1	1.885654	6.2775652	1	72.5118
SEM	0	0.27438767	1.667265017	0	15.90925791
Student's T test (v.s. mock or nDNA)			0.0317		0.002



**IFN-λ1 mRNA**

**24 hr**

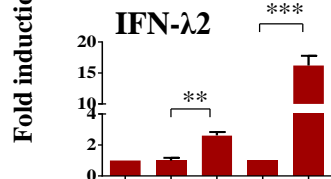
experiment	ctl	nDNA	mtDNA	mock	DENV
1	1	1.060688	2.411616	1	661.6846
2	1	1.681793	3.260289	1	952.1203
3	1	1.753211	9.317869	1	1101.306
4	1	2.242332	9.000468	1	673.2507
5	1	1.630145	7.594737	1	814.6294
AVG.	1	1.6736338	6.3169958	1	840.5982
SEM	0	0.188070542	1.456611366	0	83.99267122
Student's T test (v.s. mock or nDNA)			0.0134		< 0.0001



**IFN-λ2 mRNA**

**24 hr**

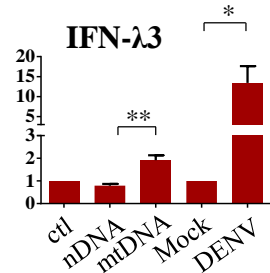
experiment	ctl	nDNA	mtDNA	mock	DENV
1	1	0.626332	2.989698	1	17.14838
2	1	1.101905	2.226843	1	13.13187
3	1	1.235419	2.639016	1	18.31559
AVG.	1	0.987885333	2.618519	1	16.19861333
SEM	0	0.184839666	0.220455614	0	1.569955498
Student's T test (v.s. mock or nDNA)			0.0048		0.0006



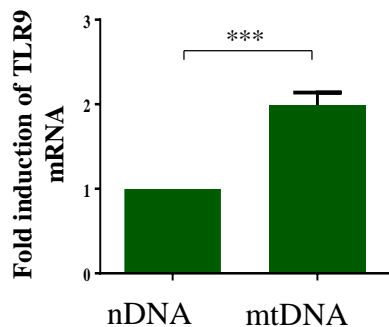
**IFN-λ3 mRNA**

**24 hr**

experiment	ctl	nDNA	mtDNA	mock	DENV
1	1	0.989657	1.840375	1	4.198867
2	1	0.626332	1.489677	1	5.502167
3	1	0.773782	1.802501	1	16.39291
4	1	0.773782	2.522755	1	27.56948
AVG.	1	0.79088825	1.913827	1	13.415856
SEM	0	0.074818126	0.217655157	0	5.452578004
Student's T test (v.s. mock or nDNA)			0.0028		0.0358



**B**

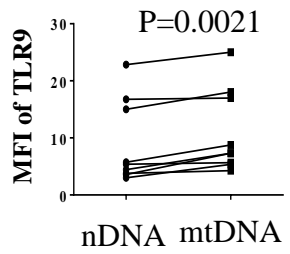


**TLR9 mRNA**

**24 hr**

experiment	nDNA	mtDNA
1	1	2.297397
2	1	1.735077
3	1	2.386671
4	1	1.681793
5	1	1.85961
AVG.	1	1.9921096
SEM	0	0.146423596
Student's T test (v.s. nDNA)		0.0001

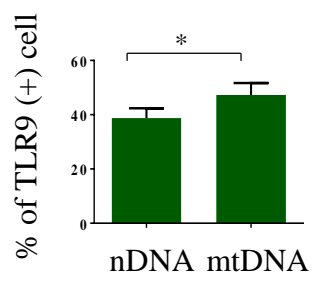
C



TLR9 MIF

24 hr

experiment	nDNA	mtDNA
1	3.8	4.26
2	22.84	25
3	16.76	16.99
4	15.02	18.03
5	3.6	7.32
6	4.45	7.32
7	5.39	5.65
8	5.73	8.75
9	3.02	5.36
AVG.	8.956666667	10.96444444
SEM	2.427775044	2.413206207
Student's T test p value (v.s. nDNA)		0.0021

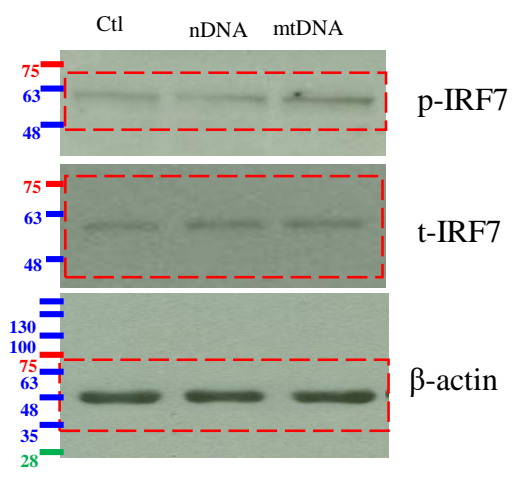
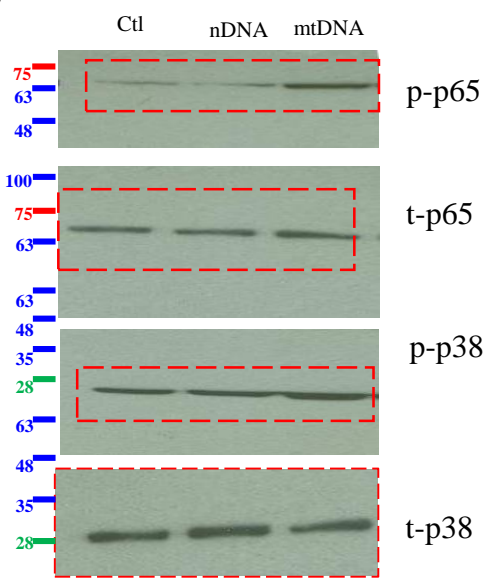


TLR9 (+) %

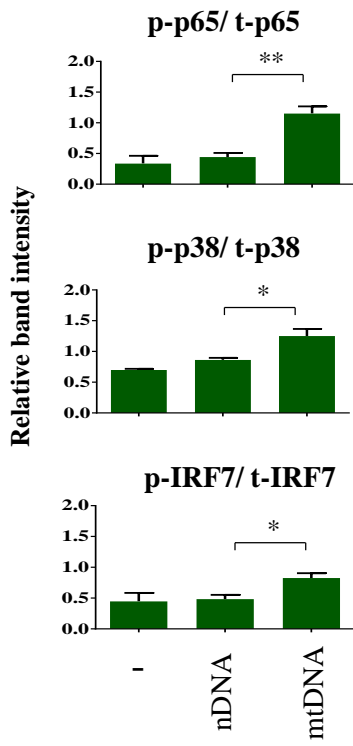
24 hr

experiment	nDNA	mtDNA
1	44.75	59.2
2	32.34	41.39
3	45.25	48.44
4	32.73	40.1
5	3.02	5.36
AVG.	31.618	38.898
SEM	7.674256576	9.043432092
Student's T test p value (v.s. nDNA)		0.0354

D



D



**p-p65/ t-p65**

experiment	24 hr		
	ctl	nDNA	mtDNA
1	0.33157	0.323753	1.334279
2	0.557399	0.551537	1.182684
3	0.126129	0.452912	0.944141
AVG.	0.338366	0.442734	1.153701
SEM	0.124543	0.065952	0.113552
Student's T test	p value (v.s. nDNA)	0.5001	0.0056

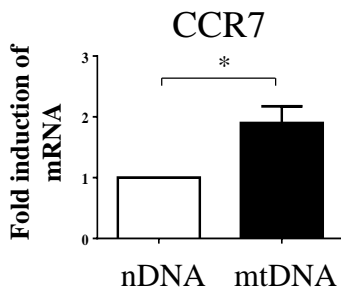
**p-p38/ t-p38**

experiment	24 hr		
	ctl	nDNA	mtDNA
1	0.72877	0.846086	1.480107
2	0.702987	0.820977	1.151871
3	0.664182	0.926875	1.119095
AVG.	0.698646	0.864646	1.250358
SEM	0.018771	0.031948	0.115264
Student's T test	p value (v.s. nDNA)	0.011	0.0321

**p-IRF7/ t-IRF7**

experiment	24 hr		
	ctl	nDNA	mtDNA
1	0.424571	0.395525	0.676327
2	0.693605	0.619225	0.94509
3	0.230296	0.436971	0.856245
AVG.	0.449491	0.483907	0.825887
SEM	0.134325	0.068709	0.079056
Student's T test	p value (v.s. nDNA)	0.8307	0.0309

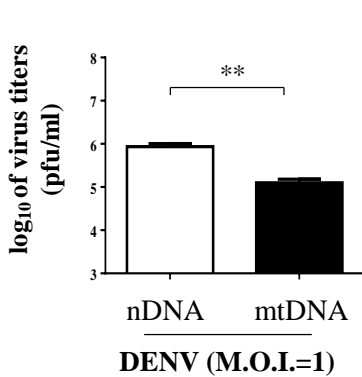
E



**CCR7 mRNA**

experiment	24 hr	
	nDNA	mtDNA
1	1	1.723092
2	1	2.648178
3	1	2.436821
4	1	1.22264
5	1	1.45902
AVG.	1	1.8979502
SEM	0	0.276812434
Student's T test	p value (v.s. nDNA)	0.0118

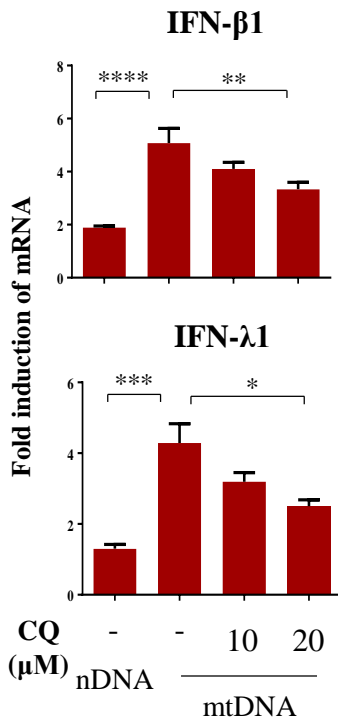
F



**Virus titer**

experiment	24 hr	
	nDNA	mtDNA
1	5.880776	5.010595
2	6.076907	5.260896
3	5.845098	5.020696
AVG.	5.934260333	5.097395667
SEM	0.072063129	0.081802153
Student's T test	p value (v.s. nDNA)	0.0015

G



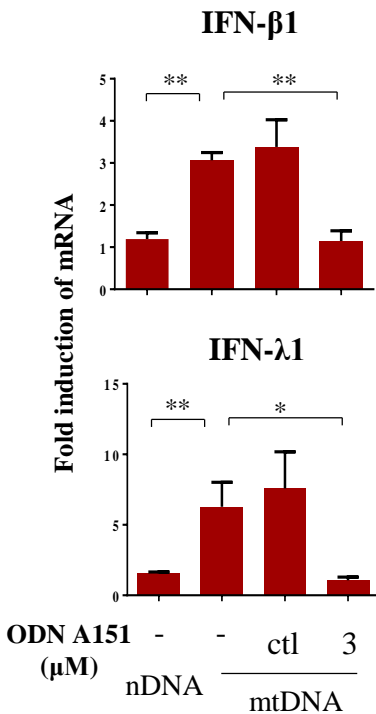
**IFN-β1 mRNA**

experiment	24 hr			
	nDNA	mtDNA	mtDNA CQ 10	mtDNA CQ 20
1	1.905276	3.567714	3.39874	2.648178
2	2.013911	6.19026	4.469149	3.506423
3	1.777685	5.464161	4.438278	3.863745
<b>AVG.</b>	1.898957333	5.074045	4.102055667	3.339448667
<b>SEM</b>	0.068265718	0.781788495	0.351770735	0.360698907
<b>One way ANOVA p value (v.s. mtDNA)</b>	< 0.0001		0.1774	0.0088

**IFN-λ1 mRNA**

experiment	24 hr			
	nDNA	mtDNA	mtDNA CQ 10	mtDNA CQ 20
1	1.301342	4.453686	3.458149	2.818642
2	1.510473	5.133704	3.446185	2.488023
3	1.094294	3.271608	2.666597	2.196186
<b>AVG.</b>	1.302036333	4.286332667	3.190310333	2.500950333
<b>SEM</b>	0.12014103	0.544014624	0.261879442	0.179803787
<b>One way ANOVA p value (v.s. mtDNA)</b>	0.0005		0.1262	0.0129

H



**IFN-β1 mRNA**

experiment	24 hr			
	nDNA	mtDNA	mtDNA ctl	mtDNA ODN A151 3
1	1.399586	2.741566	2.34567	0.668964
2	1.278986	3.07375	3.237769	1.342573
3	0.907519	3.375263	4.563055	1.433955
<b>AVG.</b>	1.195363667	3.063526333	3.382164667	1.148497333
<b>SEM</b>	0.148073185	0.183003975	0.644162671	0.241213481
<b>Student's T test p value (v.s. mtDNA)</b>	0.0014		0.6590	0.0032

**IFN-λ1 mRNA**

experiment	24 hr			
	nDNA	mtDNA	mtDNA ctl	mtDNA ODN A151 3
1	1.717131	4.126733	4.547268	0.849685
2	1.558329	4.993322	5.407643	0.817902
3	1.448942	9.713559	12.77277	1.531558
<b>AVG.</b>	1.574800667	6.277871333	7.575893667	1.066381667
<b>SEM</b>	0.077856324	1.735963367	2.610281211	0.23276906
<b>Student's T test p value (v.s. mtDNA)</b>	0.004		0.7001	0.0353