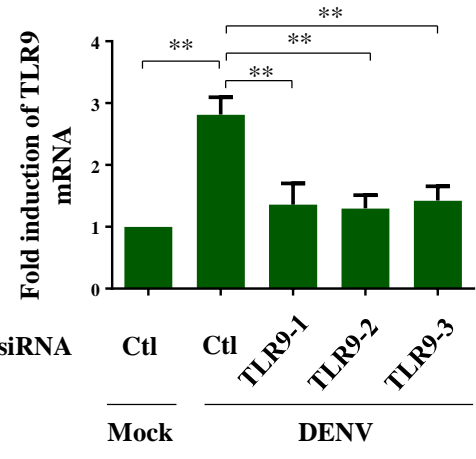
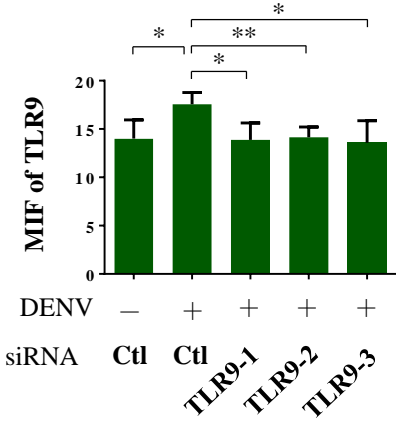


A



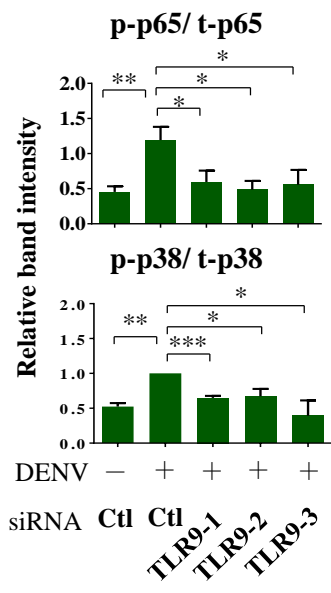
TLR9 mRNA		24 hr				
experiment	mock siCtl	DENV siCtl	DENV siTLR9-1	DENV siTLR9-2	DENV siTLR9-3	
1	1	3.317364	1.101932	0.942808	1.419161	
2	1	2.34567	0.939523	1.270152	1.024556	
3	1	2.779836	2.03496	1.681793	1.827662	
AVG.	1	2.81429	1.358805	1.298251	1.423793	
SEM	0	0.281032392	0.341313	0.213788738	0.231848	
One way ANOVA (v.s. DENV)	p value	0.0014	0.0069	0.0052	0.0093	

B



TLR9 MIF		24 hr				
experiment	mock siCtl	DENV siCtl	DENV siTLR9-1	DENV siTLR9-2	DENV siTLR9-3	
1	16.47	18.46	14.2	15.53	15.39	
2	13.25	17.31	15.53	14	14.68	
3	11.94	18.54	14.34	14.1	13.98	
4	14.4	15.95	11.4	12.95	10.25	
AVG.	14.015	17.565	13.8675	14.145	13.575	
SEM	0.960299	0.607241028	0.874942	0.529882062	1.145095	
One way ANOVA (v.s. DENV)	p value	0.0492	0.021	0.0046	0.0217	

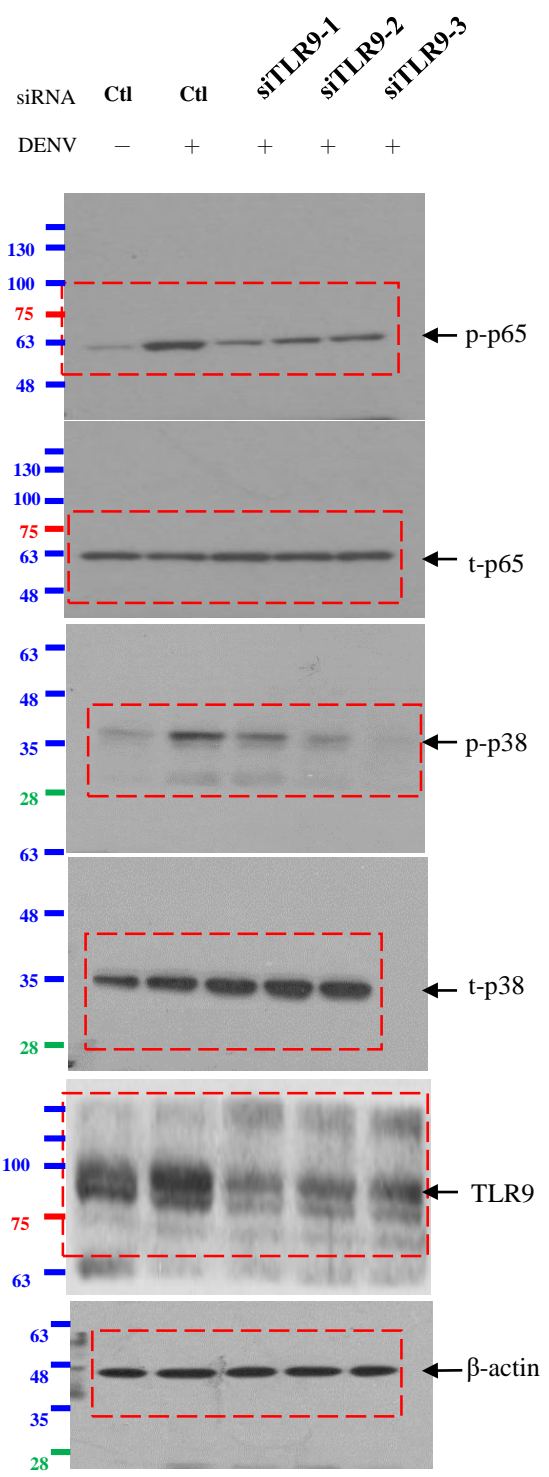
C



p-p65/t-p65		24 hr				
experiment	mock siCtl	DENV siCtl	DENV siTLR9-1	DENV siTLR9-2	DENV siTLR9-3	
1	0.520709	1.199068	1.036946	0.604431	0.197634	
2	0.56719	1.042421	0.552322	0.486274667	0.5553243	
3	0.158509	0.809128	0.292249	0.617949	0.91369	
4	0.597283	1.015746	0.886759	0.462746667	0.93098	
5	0.428702	1.899309	0.212668	0.236444	0.178993	
AVG.	0.454479	1.1931344	0.596189	0.481569067	0.555324	
SEM	0.079292	0.187130952	0.161259	0.068613871	0.164181	
One way ANOVA (v.s. DENV)	p value	0.0064	0.031	0.0193	0.0414	

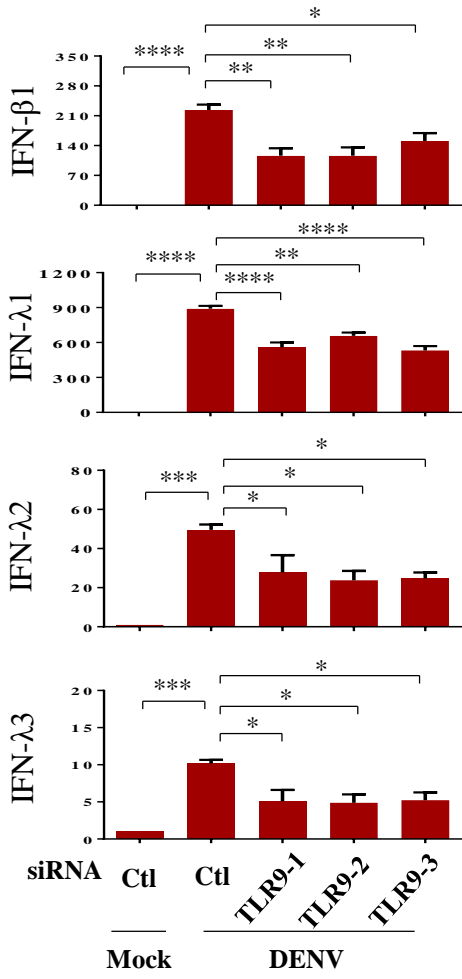
p-p38/t-p38		24 hr				
experiment	mock siCtl	DENV siCtl	DENV siTLR9-1	DENV siTLR9-2	DENV siTLR9-3	
1	0.460172	1	0.664783	0.463787	0.274548	
2	0.62185	1	0.689761	0.804121	0.086606	
3	0.492569	1	0.59512	0.748088	0.818546	
AVG.	0.524864	1	0.649888	0.671998667	0.393233	
SEM	0.049387	0	0.028317	0.105354952	0.219468	
One way ANOVA (v.s. DENV)	p value	0.0049	0.0006	0.0272	0.0327	

C



D

Fold induction of mRNA



IFN-β1 mRNA

		24 hr				
experiment	mock siCtl	DENV siCtl	DENV siTLR9-1	DENV siTLR9-2	DENV siTLR9-3	
1	1	207.9434	84.15908	82.42712	141.0485	
2	1	214.5232	119.4274	150.1218	125.8001	
3	1	248.4704	144.7009	116.3179	186.3575	
AVG.	1	223.6456667	116.0958	116.28894	151.0687	
SEM	0	12.5568571	17.55613	19.54177623	18.18519	
One way ANOVA (v.s. DENV)		< 0.0001	0.0023	0.0023	0.0298	

IFN-λ1 mRNA

		24 hr				
experiment	mock siCtl	DENV siCtl	DENV siTLR9-1	DENV siTLR9-2	DENV siTLR9-3	
1	1	926.0846	480.7398	657.1144	544.9572	
2	1	900.7605	561.5098	706.7223	590.1756	
3	1	843.3353	630.3299	608.8586	458.2406	
AVG.	1	890.0601333	557.5265	657.5651	531.1245	
SEM	0	24.47948153	43.22885	28.25171554	38.70926	
One way ANOVA (v.s. DENV)		< 0.0001	< 0.0001	0.0013	< 0.0001	

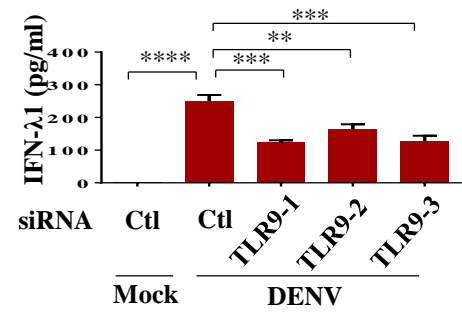
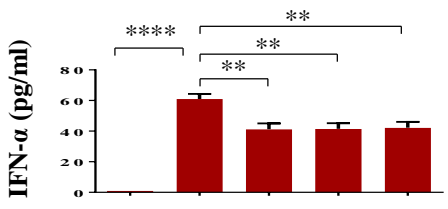
IFN-λ2 mRNA

		24 hr				
experiment	mock siCtl	DENV siCtl	DENV siTLR9-1	DENV siTLR9-2	DENV siTLR9-3	
1	1	54.56728	43.41024	21.40631	28.44227	
2	1	45.09718	12.64038	33.01308	27.0952	
3	1	48.99057	27.27359	16.78887	18.24502	
AVG.	1	49.55167667	27.77474	23.73608667	24.59416	
SEM	0	2.748140524	8.886027	4.826218051	3.1983	
One way ANOVA (v.s. DENV)		0.0001	0.0418	0.0158	0.0193	

IFN-λ3 mRNA

		24 hr				
experiment	mock siCtl	DENV siCtl	DENV siTLR9-1	DENV siTLR9-2	DENV siTLR9-3	
1	1	9.952091	3.305796	2.828424	4.257484	
2	1	9.382681	3.758092	5.080609	4.098224	
3	1	11.11935	8.139839	6.727171	7.310647	
AVG.	1	10.151374	5.067909	4.878734667	5.222118333	
SEM	0	0.51113928	1.541504499	1.129988492	1.04527587	
One way ANOVA (v.s. DENV)		0.0003	0.0196	0.0158	0.0236	

E



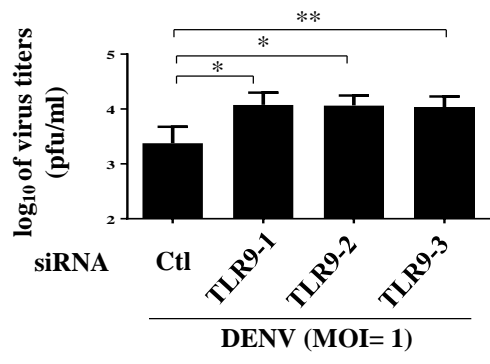
ELISA IFN-α

experiment	24 hr				
	mock siCtl	DENV siCtl	DENV siTLR9-1	DENV siTLR9-2	DENV siTLR9-3
1	1	59.1255	45.956	39.456	38.921
2	1	53.869	36	35.6	37.891
3	1	62.21	42.136	41.865	43.674
4	1	76.414	56.88	58.729	57.329
5	1	59.8704	35.596	39.566	45.891
6	1	54.284	30.988	33.673	29.723
AVG.	1	60.96215	41.25933333	41.4815	42.23816667
SEM	0	3.365474031	3.795025996	3.655862112	3.784481069
One way ANOVA	p value				
	(v.s. DENV)	< 0.0001	0.001	0.0011	0.0017

ELISA IFN-λ1

experiment	24 hr				
	mock siCtl	DENV siCtl	DENV siTLR9-1	DENV siTLR9-2	DENV siTLR9-3
1	1	287.77	119.7	140.46	100.99
2	1	229.11	137.07	191.66	155.72
3	1	232.69	111.02	160.97	127.94
AVG.	1	249.8566667	122.5966667	164.3633333	128.2166667
SEM	0	18.98481616	7.658190242	14.8772313	15.79979571
One way ANOVA	p value				
	(v.s. DENV)	< 0.0001	0.0002	0.0044	0.0003

F



Virus titer

experiment	24 hr			
	DENV siCtl	DENV siTLR9-1	DENV siTLR9-2	DENV siTLR9-3
1	2.740363	4	3.619789	3.594761
2	3.740363	4.414973	4.361728	4.371068
3	3	3.477121	3.920819	3.778151
4	4.021189	4.414973	4.361728	4.371068
AVG.	3.37547875	4.07676675	4.066016	4.028762
SEM	0.301998696	0.222529978	0.181450608	0.201144545
Student's T test	p value			
	(v.s. DENV)	0.037	0.0142	0.0099