

Table S2A:

## CD4:CD3 T cell ratio

	Treatment week	0	-1	-2	1	3	5	2	4	6	11	15	17	19
	Week post infection	1	4	5	7	9	11	13	15	17	22	26	28	30
Non-infected	J411	72.7	73.4	59.9	64.9	75.4	77.8	71.7	70.2	59.9	78.3			
	J412	69.5	65.4	60.2	61.4	57.6	54.3	55.1	56.5	54.1	58.4			
	average	71.1	69.4	60.05	63.15	66.5	66.05	63.4	63.35	57	68.35			
		1	0.97609	0.844585	0.888186	0.935302	0.928973	0.891702	0.890999	0.801688	0.961322			
Non-treated	J377	56.2	54.9	50.2	46.6	45.1	35.7	33.7	30.3	31.3	28.6			
	J378	62.3	67.6	54.8	67.2	58.8	55.2	49.4	57.8	50.3	43	47.6	43.7	45.7
	J379	47.3	50.1	42.2	44.5	41.2	44.3	41.8	38.4	32.7	35.9	59.8	40.2	25
	J380	56.6	59.6	62.6	55.7	46.9	37.5	40.2	40.1	43.2	25.2	25.7	28.7	24.6
	J381	71.7	63	67	54.8	52.1	15.5	25.8	22.3	16.9	12.4	N/A	N/A	N/A
	J389	64.3	43.9	54.9	52.8	48.5	47.3	41.4	40.9	42.1				
	J390	71.2	67.8	62.3	67.7	56.4	51.2	47.8	43.1	40				
	average	61.37143	58.128571	56.285714	55.61429	49.857143	40.957143	40.014286	38.985714	36.64286	29.02	44.366667	37.533333	31.766667
		1	0.9471601	0.9171322	0.906192	0.8123836	0.667365	0.6520019	0.6352421	0.597067	0.472859	0.7229205	0.6115767	0.5176133
Naked siRNAs (cocktails)	J431	67.2	68	64.4	*	58.3	37.5	40	37.5	34.4				
	J432	52	47.7	44.1	47.8	40.9	39.1	43.3	41.8	40.1				
	J433	73.9	80	63.1	64.6	67.4	62.5	64.1	55.2	43.8				
	J434	67.8	66.7	64	58.1	58.3	40	45.5	42.1	38.7				
	J435	55.4	49.7	60.7	74.8	64.5	53.1	50.6	51.1	65.8				
	average	63.26	62.42	59.26	61.325	57.88	46.44	48.7	45.54	44.56				
		1	0.9867215	0.9367689	0.969412	0.9149542	0.7341132	0.7698388	0.7198862	0.704395				
A-1-stick-cocktailed siRNA conjugates	J472	64.4	64.3	50.2	38.5	46.7	30.7	31.4	49.4	47.6	35	41.7	35.9	46.6
	J473	45.3	58.8	45.4	50.7	45	40.6	42.3	64.6	60.4	62.5	51.2	65.6	26.6
	J474	50.7	43.5	42.3	45.8	42.3	46.2	38.5	52.1	53.3	46.7			
	J475	61.8	50.8	45.5	42.4	38.6	32	28.7	42.4	54.5	51.8	47	25	0
	J481	71.2	62.5	64.3	65.8	60.1	55.6	60.2	60.2	64.5	81.9	53.4	50	N/A
	J482	70.6	67	61.9	69.4	66.9	58.3	62.4	64.9	58.6	58.3			
	J483	80.9	82.1	63.4	66.6	67.4	65.3	64.8	66.2	61.5	50			
	J484	72.3	70.3	65.7	68.5	63.2	65.5	60.9	68.7	61.9	55.9			
	average	64.65	62.4125	54.8375	55.9625	53.775	49.275	48.65	58.5625	57.7875	55.2625	48.325	44.125	24.4
		1	0.9653906	0.8482212	0.865623	0.8317865	0.762181	0.7525135	0.9058391	0.893852	0.854795	0.7474865	0.6825213	0.3774169

\*Sample not collected due to health of mice

Table S2B:

## CD3+CD4+/CD3+CD4- Ratios

Comparison			p-value
Uninfected Control	vs	Naked cocktailed DsiRNA	P = 0.2179
Uninfected Control	vs	Non-Treated	P = 0.1403
Uninfected Control	vs	Aptamer-stick-cocktailed DsiRNA conjugates	P = 0.3162
Naked cocktailed DsiRNA	vs	Non-Treated	P = 0.1203
Naked cocktailed DsiRNA	vs	Aptamer-stick-cocktailed DsiRNA conjugates	P = 0.4050
Non-Treated	vs	Aptamer-stick-cocktailed DsiRNA conjugates	P = 0.0162

Overall p-value = 0.0348