

Supplementary Table 1: Viral Load

Group		Macaque ID		Mane- A*10		Gender	Weight (week 0)	Plasma SIV RNA (log10 copies/ml)																												Comment
								Week of Vaccine Study																												
							0	1	2	3	4	6	8	10	12	14	16	18	20	24	28	32	32 (NCI) ^b	36	39	42	44	46	48	54	59	64				
Control	6169		Neg	F	3.10	3.11 ^a	5.48	7.14	6.33	3.61	3.26	3.11	3.11	3.94	3.11	3.33	3.11	3.66	3.44	3.11	3.04	3.76	4.12	4.09	4.23	3.70	4.21	4.49	4.35	5.89						
	8014		Pos	F	2.30	3.11	4.73	6.69	6.09	3.19	3.11	3.99	3.11	4.55	3.11	4.05	4.03	3.61	3.75	4.01	4.31	4.62	4.63	5.45	5.47	5.34	4.72	5.16	5.01	5.46	6.05					
	8252		Neg	M	3.10	3.11	4.91	7.59	5.90	4.32	3.11	3.11	3.11	3.11	5.43	4.86	5.04	5.29	5.10	5.38	4.91	5.52	5.60	5.42	6.10	6.19	5.88	5.51	5.70	5.70	5.70	5.70				
	8436		Neg	M	4.35	3.11	4.94	6.54	6.55	4.29	3.33	3.11	3.11	3.11	4.72	4.88	6.11	6.08	5.48	5.01	5.47	5.27	5.59	5.48	6.33	6.58	6.26	6.42	6.42	6.42	6.42	6.42				
	8868		Neg	F	3.35	3.11	5.34	7.38	6.23	4.04	3.11	3.11	3.11	3.11	4.72	4.37	4.51	4.53	4.83	4.90	5.00	4.74	5.18	5.21	5.70	5.70	5.56	5.63	5.63	5.63	5.63	5.63	last observation carried forward ^c values ^c			
	8883		Neg	M	2.25	3.11	6.06	7.25	6.74	4.21	3.54	3.11	3.11	3.11	5.24	4.90	5.07	5.25	5.84	5.88	6.11	6.37	5.68	6.52	6.34	6.79	6.97	6.88	6.88	6.88	6.88	6.88				
	9017		Pos	M	2.85	3.11	4.97	6.26	5.73	3.38	3.11	3.11	3.11	3.11	3.91	3.23	3.11	3.25	3.11	3.22	3.11	3.41	3.04	3.58	3.38	3.50	3.11	3.11	3.11	3.25	3.11	3.25				
	9019		Neg	M	3.25	3.11	4.81	7.36	6.07	3.79	3.35	3.11	3.11	3.11	4.62	5.09	5.06	5.56	5.56	5.98	5.10	5.30	4.90	5.32	5.42	5.55	5.41	5.48	5.48	5.48	5.48	5.48	last observation carried forward			
	9176		Pos	M	3.80	3.11	4.21	6.30	5.23	3.46	3.11	3.11	3.11	3.11	3.94	3.40	3.11	3.11	3.11	3.24	3.11	4.01	4.11	3.60	3.74	4.77	3.60	3.28	4.71	3.40	3.23	3.34				
	9183		Neg	M	4.20	3.11	4.97	6.74	5.85	3.61	3.11	3.11	3.11	3.11	3.43	3.11	4.59	3.16	3.36	4.12	4.52	4.64	4.56	5.01	5.26	5.13	5.43	5.13	5.73	6.10	6.17	6.14				
7992		Neg	F	3.35	3.11	5.88	8.04	7.16	5.01	5.49	5.40	4.90	5.58	5.62	6.16	6.17	6.83	6.18	6.40	6.39	6.66	6.86	6.86	7.15	6.77	6.96	6.96	6.96	6.96	6.96	6.96	6.96	VL>3.11 wk 10 ^d , last observation carried forward			
9182		Neg	M	2.45	3.11	5.96	7.26	6.92	4.79																							deceased				
Mean of group (all animals)								3.20	3.11	5.19	7.05	6.23	3.98	3.42	3.40	3.27	4.55	4.15	4.58	4.50	4.54	4.67	4.67	4.81	4.82	5.04	5.36	5.50	5.34	5.17	5.45	5.39	5.40	5.62		
SE								0.20	0.00	0.16	0.16	0.16	0.16	0.21	0.22	0.16	0.21	0.29	0.33	0.37	0.40	0.34	0.35	0.32	0.34	0.33	0.36	0.33	0.38	0.41	0.34	0.38	0.40	0.37		
Mean of group (animals with VL≤3.11 at wk 10)								3.11	5.13	6.96	6.15	3.88	3.22	3.20	3.11	4.45	4.01	4.42	4.34	4.31	4.51	4.50	4.65	4.63	4.85	5.18	5.38	5.18	4.99	5.30	5.24	5.24	5.48			
SE								0.00	0.16	0.14	0.15	0.15	0.05	0.09	0.00	0.20	0.28	0.32	0.36	0.36	0.33	0.33	0.31	0.31	0.30	0.34	0.33	0.38	0.40	0.34	0.38	0.41	0.38			
OPAL Gag	9196		Neg	M	3.50	3.11	4.77	6.43	5.48	3.54	3.11	3.11	3.11	3.76	3.50	3.32	4.00	3.11	3.65	3.73	3.90	3.59	3.72	4.67	5.25	5.14	4.66	4.52	4.49	3.92	4.46					
	6804		Neg	M	3.20	3.11	4.57	6.73	5.40	3.76	3.11	3.11	3.11	4.97	4.16	3.68	4.37	3.66	3.11	3.18	3.47	3.54	3.69	4.80	5.36	4.81	3.88	3.85	4.21	3.98	4.45					
	8012		Neg	M	3.75	3.11	4.64	7.24	6.52	4.32	3.12	3.11	3.11	5.07	4.82	4.13	4.69	5.12	4.79	4.33	4.52	5.11	4.58	5.10	5.50	5.30	5.30	5.30	5.30	5.30	5.30	last observation carried forward				
	8020		Positive	M	2.70	3.11	4.75	7.09	5.92	3.31	3.11	3.28	3.11	5.12	3.80	4.07	4.45	3.39	4.36	4.47	4.52	4.80	4.94	5.64	5.55	5.95	5.25	5.56	5.78	5.69	6.29					
	8244		Positive	M	3.15	3.11	4.00	6.00	4.76	3.11	3.11	3.11	3.11	3.83	3.72	3.67	3.72	3.80	3.88	4.16	3.88	4.00	4.56	4.87	5.01	5.11	4.49	4.67	4.25	4.68	5.34					
	8454		Positive	F	2.50	3.11	4.99	6.47	5.91	3.49	3.11	3.11	3.11	3.67	3.11	3.11	3.11	3.11	3.11	3.11	3.11	2.72	3.11	3.33	4.35	3.11	3.11	3.13	3.11	3.11	3.11					
	8673		Neg	M	4.50	3.11	4.28	6.62	5.60	3.17	3.11	3.11	3.11	4.67	3.38	3.57	3.12	3.13	3.11	3.11	3.11	2.72	3.18	3.94	3.93	3.81	3.20	3.11	3.11	3.11	3.11					
	8873		Neg	F	3.70	3.11	5.89	7.71	6.05	3.33	3.11	3.11	3.11	4.32	4.07	4.02	3.72	3.46	3.11	3.11	3.11	2.54	3.44	3.73	3.70	3.73	3.11	3.11	3.11	3.11	3.21					
	6597		Neg	M	3.50	3.11	5.18	8.04	7.15	5.33	4.59	3.99	3.31	4.26	3.89	4.70	4.93	4.84	5.03	5.67	5.92	6.08	5.87	4.87	5.01	5.11	4.49	4.80	4.80	4.80	4.80	VL>3.11 wk 10, last observation carried forward				
	8241		Positive	M	3.35	3.11	5.22	7.30	6.97	4.60	3.93	4.14	3.97	5.55	5.19	6.29	6.17	6.35	6.65	6.34	6.13	6.53	6.38	6.79	6.91	6.81	6.86	6.86	6.86	6.86	6.86	VL>3.11 wk 10, last observation carried forward				
9018		Neg	F	2.15	3.11	4.40	7.32	6.46	3.36																						deceased					
9180		Neg	M	3.55	3.11	4.90	7.78	4.60	4.44																						deceased					
Mean of group (all animals)								3.30	3.11	4.80	7.06	5.90	3.81	3.34	3.32	3.22	4.52	3.96	4.06	4.23	4.00	4.08	4.12	4.17	4.16	4.35	4.77	5.06	4.89	4.43	4.49	4.50	4.46	4.69		
SE								0.18	0.00	0.14	0.18	0.23	0.20	0.16	0.13	0.09	0.21	0.20	0.29	0.29	0.34	0.37	0.36	0.35	0.45	0.36	0.31	0.29	0.35	0.38	0.39	0.39	0.40	0.41		
Mean of group (animals with VL≤3.11 at wk 10)								3.11	4.72	6.94	5.67	3.58	3.11	3.13	3.11	4.43	3.82	3.70	3.90	3.60	3.64	3.65	3.70	3.63	3.90	4.51	4.83	4.62	4.12	4.15	4.17	4.11	4.41			
SE								0.00	0.16	0.18	0.20	0.15	0.00	0.02	0.00	0.22	0.19	0.13	0.21	0.24	0.23	0.21	0.21	0.34	0.25	0.27	0.26	0.34	0.33	0.35	0.36	0.36	0.42			
Difference after ARVs ceased b/w Control & OPAL Gag group (all animals)																	0.06	0.03	0.19	0.52	0.28	0.54	0.59	0.55	0.64	0.65	0.69	0.59	0.45	0.45	0.73	0.96	0.89	0.94	0.92	
Difference after ARVs ceased b/w Control & OPAL Gag group (animals with VL≤3.11 at wk 10)																																				
OPAL All	1.3731		Positive	M	3.85	3.11	5.62	7.34	6.70	3.62	3.11	3.11	3.11	4.48	3.11	4.00	3.67	3.97	4.91	4.64	4.39	4.40	4.42	4.67	4.78	4.32	4.29	4.28	3.64	3.66	3.87					
	8240		Positive	F	3.40	3.11	4.29	6.73	5.36	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	2.38	3.11	3.62	4.41	3.78	3.11	3.11	3.51	3.33	3.19					
	8251		Neg	M	3.00	3.11	5.07	7.87	6.44	4.09	3.35	3.11	3.11	4.66	4.79	4.85	4.57	4.72	4.91	5.12	4.68	4.59	4.08	5.01	5.03	5.03	4.55	4.39	4.71	5.13	5.83					
	8680		Neg	F	3.05	3.11	4.67	6.77	5.70	3.49	3.11	3.11	3.11	3.80	3.25	3.48	3.90	3.32	3.42	5.08	4.72	5.00	4.55	5.07	4.97	4.97	4.42	4.50	4.42	5.24	5.75					
	8682		Neg	M	2.70	3.11	5.42	7.40	6.32	3.75	3.12	3.11	3.11	4.11	3.64	4.04	3.14	3.11	3.11	3.11	3.52	3.56	3.58	4.09	3.87	4.07	3.48	3.12	3.47	4.54						
	9020		Positive	M	3.15	3.11	4.29	6.21	4.61	3.17	3.11	3.11	3.11	3.11	3.11	4.07	3.11	3.11	3.11	3.11	3.13	3.04	3.11	3.94	3.94	3.93	3.11	3.11	3.30	3.44	3.11					
	9021		Positive	M	2.65	3.11	5.07	6.64	5.77	3.16	3.11	3.11	3.11	3.12	3.82	4.99	4.37	4.14	4.04	3.75	3.87	3.11	3.28	3.86	4.78	4.84	4.71	4.62	3.62	4.53	4.92	5.12				
	9175		Positive	M	3.70	3.11	5.30	6.16	6.04	3.41	3.11	3.11	3.11	3.50	3.48	3.66	3.39	3.23	3.42	5.45	4.57	4.70	4.91	5.36	5.66	5.74	5.48	5.43	5.							