

S1 Table. Immunogenetic characteristics of isolated envelope (Env)-reactive mAbs of Env-vaccinated infant monkeys based on human immunoglobulin database analysis. A total of 39 pairs of potentially Env-reactive mAbs were isolated from the four vaccination groups across several anatomic compartments. Frequency of gene usage, percent somatic hypermutation, and complementarity-region 3 (CDR3) length are displayed for the heavy and light chains for each mAb along with the isotype and epitope specificity.

Animal ID	Group	Tissue	IgH ID	V _H gene	D _H gene	J _H gene	HC % SHM	HC CDR3 length	Ig Isotype	IgL ID	V _L /V _K gene	J _L /J _K gene	Specificity
45521	HIV Env+adjuvant	Spleen	H020465	4-4*07	2-OF15*2/inv	3*01	5.31	23	IgG	K020382	1-33*01	2*03	Undetermined
45521	HIV Env+adjuvant	Retropharyngeal LN	H914640	4-4*07	3-3*01	3*01	6.14	23	IgA	K907482	1-33*01	2*03	Undetermined
45521	HIV Env+adjuvant	Retropharyngeal LN	H914648	4-4*07	3-3*01	3*01	6.65	23	IgG	K907485	1-33*01	2*03	Undetermined
45521	HIV Env+adjuvant	Retropharyngeal LN	H914649	4-4*07	5-12*01	3*01	5.88	23	IgG	K907486	1-33*01	2*03	Undetermined
45522	HIV Env+adjuvant	Spleen	H020414	4-61*03	6-13*01	4*02	10.03	13	IgG	L020264	1-51*02	3*02	Undetermined
45083	Coadministration	Spleen	H020400	4-59*01	6-19*01	4*02	6.17	13	IgM	L020253	1-40*01,02	2*01	V1V2
45083	Coadministration	Mediastinal LN	H020405	4-59*01,02	3-16*01,02	4*02	4.52	17	IgG	K020331	1D-16*01	2*03,04	V1V2
45083	Coadministration	Mediastinal LN	H020405	4-59*01,02	3-16*01,02	4*02	4.52	17	IgG	L020258	2-23*02	1*01	V3
45083	Coadministration	Mediastinal LN	H020407	4-b*02	5-12*01	4*02	8.41	13	IgG	L020260	2-8*01	1*01	V3
45083	Coadministration	Mediastinal LN	H020408	4-39*06	1-26*01	4*02	6.38	13	IgG	L020260	2-8*01	1*01	Undetermined
45091	Coadministration	Axillary LN	H020381	3-73*01,02	2-2*02/inv	6*02	10.15	14	IgG	L020241	11-55*01	2*01	Undetermined
45091	Coadministration	Axillary LN	H020387	4-59*01	4-4*01	4*02	4.74	17	IgG	K020324	1-39*01	4*01	V3
45435	Extended Interval	Mediastinal LN	H020422	4-59*01	3-3*01,02	3*01,02	6.19	18	IgA	K020341	1-13*02	4*01	V1V2
45435	Extended Interval	Mediastinal LN	H020425	4-59*01,02	3-OR15*3	5*01,02	7.63	16	IgG	K020344	1-33*01	2*03	CD4 binding site
45435	Extended Interval	Mediastinal LN	H020426	3-72*01	1-OR15*1	6*02	8.30	14	IgM	L020282	11-55*01	2*01	V3
45435	Extended Interval	Mediastinal LN	H020430	3-11*01	1-7*01/inv	5*01	10.61	17	IgG	K020348	1/OR2-0*01	2*03	V1V2
45435	Extended Interval	Mediastinal LN	H020431	3-64*02	4-17*01	5*01	9.40	12	IgG	K020349	3-11*01	1*01	V1V2
45435	Extended Interval	Mediastinal LN	H020445	4-4*02	4-4*01	4*02	6.53	16	IgG	K020359	1D-16*01	2*03	V3
45435	Extended Interval	Mediastinal LN	H020420	4-61*05	6-13*01	4*02	11.08	16	IgG	L020280	5-39*01	2*01	V3
45435	Extended Interval	Spleen	H020461	3-73*01,02	2-15*01	4*02	9.65	17	IgG	K020380	1-12*01,02	2*03	Undetermined
45441	Extended Interval	Spleen	H020449	3-21*01,02	1-IR1*01	1*01	6.05	29	IgG	K020361	1D-16*01	1*01	Undetermined
45441	Extended Interval	Spleen	H020452	4-59*01	3-3*01	4*02	7.18	18	IgG	L020292	1-51*02	7*01	CD4 binding site
45441	Extended Interval	Spleen	H020450	3-21*01,02	3-22*01	1*01	7.14	15	IgG	L020290	3-21*01	6*01	Undetermined
45441	Extended Interval	Submental LN	H914598	4-59*01	3-3*01	6*02	7.41	18	IgA	K907464	2-28*01	1*01	Undetermined
45838	3M-052-SE	PBMC	H020493	3-43*02	6-13*01	4*02	5.31	10	IgG	L020321	3-19*01	2*01	Undetermined
45840	3M-052-SE	PBMC	H020481	4-61*01,08	3-3*01,02	4*02	6.32	13	IgG	K020401	2-30*01	1*01	V3
45840	3M-052-SE	PBMC	H020485	4-39*06	3-3*01,02	4*02	6.12	13	IgG	K020402	2-40*01	1*01	V3
45840	3M-052-SE	PBMC	H020488	3-43*02	6-13*01	4*02	4.77	10	IgG	K020402	2-40*01	1*01	Undetermined
45851	3M-052-SE	PBMC	H020495	3-15*08	0-IR*01C	3*01	7.03	11	IgG	K020407	2-40*01	1*01	Undetermined
45851	3M-052-SE	PBMC	H020494	4-39*06	3-3*01,02	4*02	6.89	13	IgG	K020409	2-30*01	1*01	Undetermined
45851	3M-052-SE	PBMC	H020500	4-59*01	6-13*01	1*01	4.21	10	IgA	L020324	5-48*01	1*01	V3
45851	3M-052-SE	PBMC	H020498	5-51*01	3-10*01	5*01	4.15	13	IgG	L020327	1-50*01	2*01	V3
45851	3M-052-SE	PBMC	H020499	3-43*02	2-8*02	4*02	5.61	16	IgG	L020326	6-57*01	7*01	Undetermined
45851	3M-052-SE	PBMC	H020505	4-59*01	1-1*01	1*01	4.21	10	IgM	L020329	6-57*01	7*01	V3
45851	3M-052-SE	PBMC	H020501	4-39*06	3-3*01,02	4*02	6.63	13	IgG	L020328	5-48*01	1*01	V3
45851	3M-052-SE	PBMC	H020504	3-43*02	6-13*01	4*02	5.31	10	IgG	L020329	6-57*01	7*01	Undetermined
45851	3M-052-SE	PBMC	H020506	4-39*06	3-3*01,02	1*01	6.38	13	IgE	L020333	6-57*01	7*01	V3
45851	3M-052-SE	PBMC	H020496	3-43*02	2-8*02	4*02	5.57	16	IgG	K020407	2-40*01	1*01	Undetermined
45851	3M-052-SE	PBMC	H020497	4-59*01	1-1*01	1*01	3.95	10	IgG	K020409	2-30*01	1*01	V3