

Supplementary table 1. Neutralization analysis of Env pseudoviruses with autologous and heterologous plasmas.

Pseudovirus	ID ₅₀ in T2M-bl cells ¹																HIVlg (mg/ml)
	ZM377	ZM380	ZM383	ZM384	ZM394	ZM413	ZM418	ZM378	ZM379	ZM395	ZM401	ZM405	ZM408	ZM415	ZM416	ZM417	
ZM377.1	26	131	41	84	74	63	10	217	146	770	29	10	640	55	401	26	625
ZM377.11	10	24	23	75	203	20	28	786	83	1,639	27	10	602	71	528	32	832
ZM377.16	10	24	10	56	267	10	23	542	101	994	29	10	341	55	445	10	906
ZM377.5	42	28	39	110	204	31	27	1,086	121	1,121	42	22	202	76	716	32	568
ZM377.24	10	21	47	79	235	53	10	1,088	170	564	141	10	1,382	48	371	26	1,299
ZM377.3	22	20	10	10	28	10	10	21	106	39	30	10	120	199	37	42	1,992
ZM380.1	49	10	60	24	30	10	24	193	82	431	326	64	1,162	136	123	149	440
ZM380.5	10	10	22	10	10	10	10	119	80	85	111	36	504	89	58	44	878
ZM380.11	26	10	51	26	36	10	10	135	58	222	69	72	536	73	123	82	596
ZM380.12	21	10	26	21	23	10	10	113	69	67	39	44	424	38	75	52	842
ZM384.2	24	10	10	10	23	10	10	24	57	96	43	10	424	22	82	27	904
ZM384.4	10	10	10	23	27	10	10	10	69	41	10	10	200	36	118	96	2,151
ZM384.5	10	10	10	10	25	10	10	29	76	39	27	10	172	39	47	94	2,046
ZM394.10	nt	10	20	10	10	10	10	22	75	87	nt	20	73	39	10	45	>2500
ZM394.20	29	23	21	28	32	23	23	43	106	260	44	41	116	35	52	124	1,667
ZM394.14	21	26	27	28	20	10	22	43	92	105	21	42	43	36	34	47	2,075
ZM394.11	30	26	27	32	41	25	23	82	92	268	60	119	114	43	77	120	1,680
ZM413.5	nt	nt	60	163	33	21	10	83	104	114	nt	236	221	121	80	34	1,858
ZM413.14	nt	nt	66	nt	22	101	10	320	73	60	nt	119	123	159	138	28	>2500
ZM413.19	nt	nt	216	nt	70	169	49	89	78	10	nt	60	217	67	139	80	2,347
ZM413.7	nt	nt	294	202	91	32	99	111	136	88	nt	216	311	122	126	190	754
ZM418.1	94	10	38	300	64	24	20	200	121	60	126	161	304	542	144	40	1,447
ZM418.6	232	10	991	266	160	74	10	510	163	2,640	137	3,203	318	931	1,175	49	418
ZM418.9	206	39	48	369	262	54	27	143	147	54	118	205	463	249	457	74	655
ZM418.14	nt	148	38	972	777	43	51	305	120	80	nt	372	708	893	2,290	84	250
ZM378.7	10	10	10	10	28	10	10	94	99	225	149	55	253	62	58	87	1,267
ZM378.16	10	10	10	69	49	10	10	162	109	592	215	354	209	84	106	112	1,435
ZM378.13	nt	10	25	10	36	10	10	89	91	209	nt	165	95	45	60	83	1,653
ZM378.10	10	10	10	10	35	10	10	168	91	409	111	157	302	68	105	98	931
ZM378.20	10	10	10	29	72	26	10	239	120	774	144	531	325	78	150	139	887
ZM379.2	10	10	10	10	10	10	10	10	77	10	79	10	237	133	107	26	>2500
ZM379.4	10	22	20	65	10	10	10	10	85	10	58	10	160	155	128	35	>2500
ZM379.15	10	10	10	10	10	10	10	10	83	10	95	10	95	234	158	25	>2500
ZM379.8	25	10	29	27	53	24	10	102	128	90	77	69	233	166	138	93	1,525
ZM395.10	nt	10	10	97	21	10	21	39	98	26	nt	10	1,175	58	86	92	1,143
ZM395.17	nt	10	40	10	22	10	23	24	97	34	nt	53	170	53	61	37	1,776
ZM395.22	nt	nt	10	23	20	10	10	49	85	67	nt	10	90	291	39	55	1,841
ZM395.24	nt	nt	24	104	26	20	21	53	85	39	nt	36	109	396	50	43	1,669
ZM401.13	111	145	70	65	247	68	35	193	164	478	195	140	480	173	220	111	397
ZM401.22	25	21	10	10	10	26	10	55	87	117	33	36	438	31	32	24	1,139
ZM401.15	10	32	31	10	10	10	10	288	106	1,103	10	10	173	60	10	29	1,613
ZM405.25	nt	54	10	10	10	10	10	36	51	253	nt	10	70	34	23	33	>2500
ZM405.48	nt	35	21	25	23	25	10	45	112	130	nt	26	96	44	40	115	1,529
ZM405.53	nt	25	24	10	24	10	10	46	91	135	nt	28	112	41	47	71	1,922
ZM408.15	28	88	10	10	30	10	21	343	183	564	10	39	24	169	75	296	865
ZM408.42	194	32	163	10	38	10	10	186	79	417	29	50	359	161	60	230	2,093
ZM408.19	28	10	190	10	40	10	10	338	73	293	87	10	91	23	132	10	1,860
ZM408.20	128	38	33	10	27	10	27	370	87	842	58	58	598	266	53	95	1,380
ZM408.30	82	41	192	30	714	10	55	2,291	167	342	121	88	271	70	593	66	1,032
ZM415.10	nt	nt	21	nt	47	218	10	106	91	307	nt	278	243	39	114	25	1,057
ZM415.11	nt	nt	130	nt	51	133	20	32	97	26	nt	10	45	37	21	41	2,430
ZM415.15	nt	nt	196	nt	39	124	10	33	102	29	nt	10	85	26	24	35	2,021
ZM416.14	20	32	10	79	26	10	10	26	151	338	30	10	284	79	37	33	1,122
ZM416.10	10	40	22	10	43	86	10	132	247	289	189	169	661	3,769	110	77	907
ZM416.8	10	51	26	10	24	74	10	121	158	524	50	75	437	1,661	106	68	804
ZM416.23	51	136	42	87	39	95	27	121	241	209	215	47	828	1,116	449	203	303
ZM416.6	10	10	24	10	10	38	23	137	129	72	112	82	464	269	48	58	1,686
ZM417.2	10	33	10	24	50	28	10	10	185	176	150	64	162	834	135	139	1,055
ZM417.4	10	10	10	10	10	38	10	192	125	34	327	81	554	302	155	48	2,383
ZM417.6	nt	38	25	10	50	36	10	44	173	114	nt	38	296	51	125	141	1,293
MLV-SVA	10	10	10	10	10	10	10	10	69	10	10	10	10	10	10	10	>2500

¹Values are the plasma dilution at which RLU were reduced 50% relative to virus control wells (no test sample). Titers <20 were assigned a value of 10. Red: >1,000; orange: 500-1000; green: 100-499; yellow: 20-99; white: <20 (shown as 10) or nt (not tested)