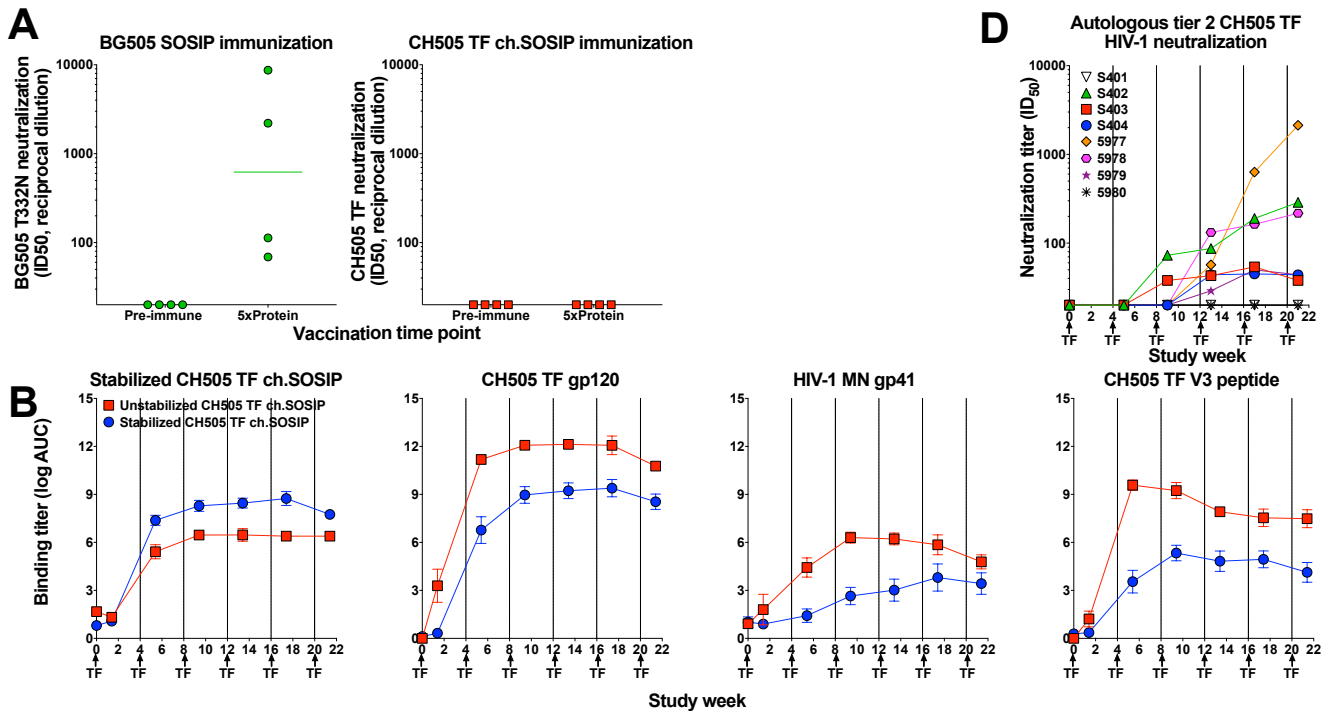


Figure 1



C

Virus Name	Tier	Week	Serum neutralization titers (ID50; reciprocal dilution)											
			Unstabilized CH505 TF ch.SOSIP					Stabilized CH505 TF ch.SOSIP						
			S413	S414	S415	S416	S401	S402	S403	S404	S977	S978	S979	S980
CH0505 TF	2	0	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
		21	<20	<20	<20	<20	<20	273	40	41	2128	217	44	<20
CH0505TF.gly4	2	0	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
		21	25	<20	32	247	315	265	118	403	366	264	155	<20
CH0505 w4.3	1B	0	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
		21	5296	1442	1004	2595	1132	2365	701	626	4794	3477	818	2954
SVA-MLV	NA	0	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
		21	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20

E

Virus Name	Tier	Week	Serum neutralization titers (ID50; reciprocal dilution)											
			Unstabilized CH505 TF ch.SOSIP					Stabilized CH505 TF ch.SOSIP						
			S413	S414	S415	S416	S401	S402	S403	S404	S977	S978	S979	S980
TRO.11	2	0	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
		21	<20	<20	<20	<20	<20	<20	109	<20	<20	<20	<20	<20
SC422661	2	0	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
		21	<20	<20	<20	<20	<20	<20	145	<20	<20	<20	<20	<20
CNE55	2	0	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
		21	<20	<20	<20	<20	<20	<20	79	<20	<20	<20	<20	<20
Ce1176_A3	2	0	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
		21	<20	<20	<20	<20	<20	<20	488	<20	<20	79	<20	<20
SVA-MLV	NA	0	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
		21	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20

F

Serum neutralization titers (ID50; reciprocal dilution)			
Virus Name	Tier	Week	S402
398-F1_F6_20	2	0	<20
		21	63
X2278-C2-B6	2	0	<20
		21	621
246-F3_C10_2	2	0	<20
		21	47
CH119.10	2	0	<20
		21	33
BJOX002000.03.2	2	0	<20
		21	54
25710-2.43	2	0	<20
		21	456
X1632-S2-B10	2	0	<20
		21	27
Ce703010217_B6	2	0	<20
		21	<20
Ce1176_A3	2	0	<20
		21	659
TRO.11	2	0	<20
		21	109
SC422661	2	0	<20
		21	145
CNE55	2	0	<20
		21	73
SVA-MLV	NA	0	<20
		21	<20

G

5977 and 5978 serum neutralization titers (ID50)			
Virus	Epitope	5977	5978
CH0505 TF	WT	3008	232
CH0505 TF N160A	V1V2 glycan	1398	37
CH0505 TF N276Q	CD4bs	<30	<30
CH0505 TF.gly4	CD4bs	411	311
CH0505 TF.gly4 N280D	CD4bs	536	337
CH0505 TF S365P	CD4bs	6940	964
CH0505 TF G458Y	CD4bs	6565	1045
CH0505 TF N279Q	CD4bs	5481	527
CH0505 TF N279K	CD4bs	4803	262
CH0505 TF N301A	V3 glycan	1954	497
CH0505 TF N334A	V3 glycan	3787	232
CH0505 TF N611A	gp120-gp41 interface	3337	205
CH0505 TF N88A	Fusion peptide	2186	412

H

S402 wk21 serum neutralization titers (ID50)		
Virus	Epitope	S402
TRO.11	WT	160
TRO.11 N279A	CD4bs	253
TRO.11 N280D	CD4bs	169
TRO.11 G458Y	CD4bs	76
TRO.11 N160K	V1V2 glycan	118
TRO.11 N295V	V3 glycan	59
TRO.11 N332A	V3 glycan	49
TRO.11 N625A	MPER	111
TRO.11 N88A	Fusion peptide	198
SVA-MLV	NA	<20