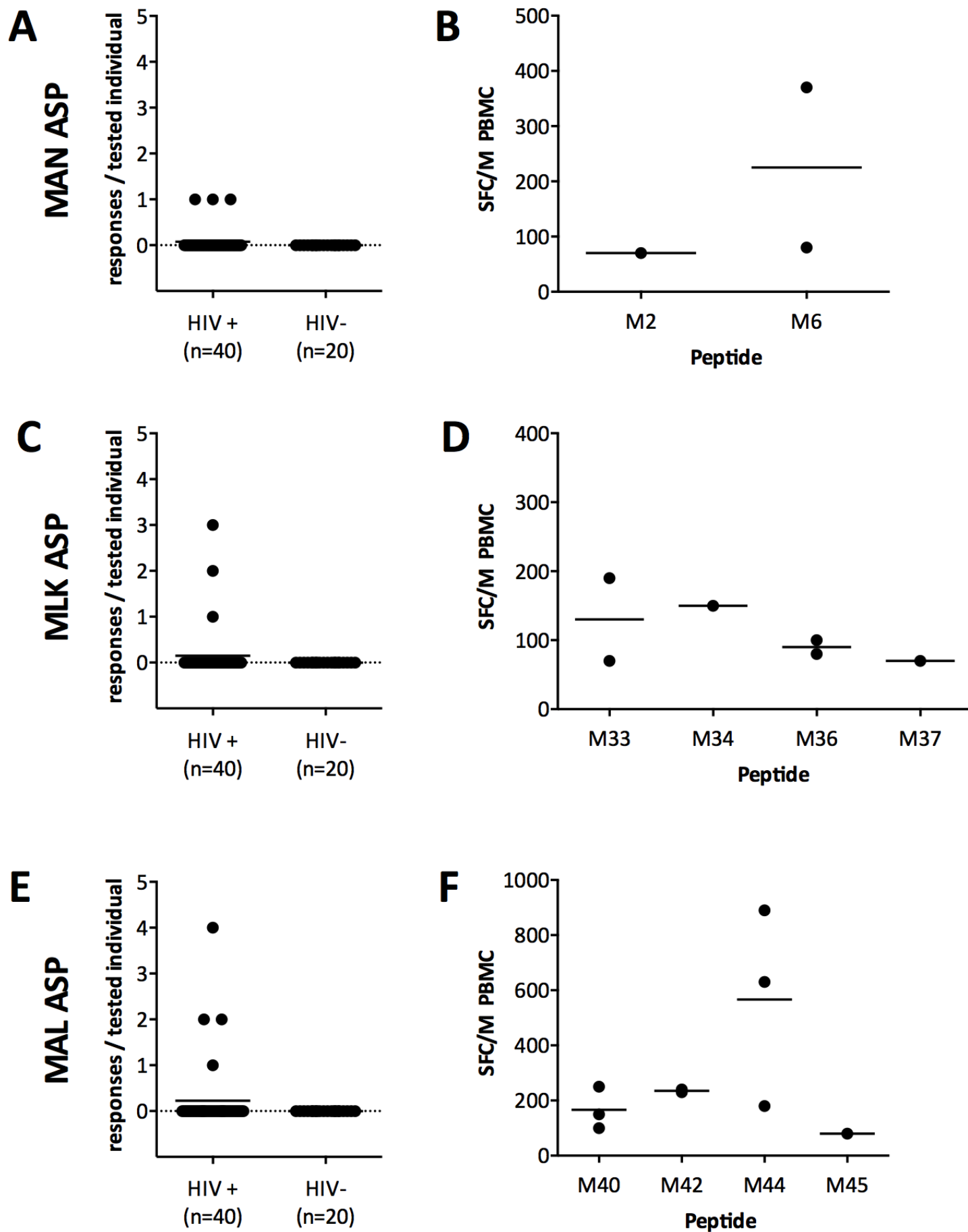


Supplementary Figure S1



Supplementary Figure 1: CTL responses to anti-sense proteins are common and HIV specific. PBMC were tested in ELISpot for reactivity against overlapping peptides (OLP) at a peptide concentration of 28µg/ml as described. Responses of >50 spot forming cells per Million (SFC/M) PBMC were considered positive. Breadth (i.e. number of responses per tested individual) and magnitudes (SFC/M PBMC using single peptides) of the positive responses to the MAN (A, B), the MLK (C,D) and MAL (E, F) protein sequences are shown.

Supplementary Table 1: Set of overlapping peptides included in the immune analysis

OLP ID	Putative protein	Relative to	Sequence [targeted OLP in bold]
M1	MAN	Pol	MANTGVLYGFSGPIFEIF
M2	MAN	Pol	GFSGPIFEIFPSFSISVQ
M3	MAN	Pol	IFPSFSISVQISTNAFIF
M4	MAN	Pol	VQISTNAFIFSSVNGHCL
M5	MAN	Pol	IFSSVNGHCLTFGPSIPG
M6	MAN	Pol	CLTFGPSIPGFNFTGTVS
M7	MAN	Pol	PGFNFTGTVSIGLMGKFK
M8	MAN	Pol	VSIGLMGKFKVQPI
M9	MPQ	Env	MPQTVSCNRCCASIAL
M10	MPQ	Env	NRCCASIALSKLFCCCTI
M11	MPQ	Env	LSKLFCCCTIPDNNCLA
M12	MPQ	Env	CTIPDNNCLACTVSVIDA
M13	MPQ	Env	LACTVSVIDAAPIVLPAA
M14	MPQ	Env	DAAPIVLPAAKPNPRNIA
M15	MPQ	Env	AAPKNPRNIAPIPTALF
M16	MPQ	Env	NIAPIPTALFSLCTLLLF
M17	MPQ	Env	LFSLCTLLLFALVGA
M18	MPQ	Env	TLLLFALVGATPNGSIF
M19	MPQ	Env	VGATPNGSIFTTLYLY
M20	MPQ	Env	GSIFTTLYLYNSLLQLSL
M21	MPQ	Env	LYNSLLQLSLISPPPGLK
M22	MPQ	Env	SLISPPPGLKISVSLL
M23	MPQ	Env	PGLKISVSLLPPSLV
M24	MPQ	Env	SVLLPPSLVNSSPVIF
M25	MPQ	Env	SLVNSSPVIFDEHLICPL
M26	MPQ	Env	IFDEHLICPLMGGAYIAF
M27	MPQ	Env	PLMGGAYIAFPTSCHMFI
M28	MPQ	Env	AFPTSCHMFIICFILH
M29	MPQ	Env	HMFIICFILHGSVIFPSV
M30	MPQ	Env	LHGSVIFPSVLFQVVPFQV
M31	MPQ	Env	SVLFQVVPFQVLLNSCVVLQ
M32	MLK	Env	MLKFSVTFSTNTSCGL
M33	MLK	Env	TFSNTTSCGLGSVGTQA
M34	MLK	Env	CGLGSVGTQACVAQTL
M35	MLK	Env	GTQACVAQTLCTSVSYAL
M36	MLK	Env	TLCTSVSYALASDAQNRV
M37	MLK	Env	ALASDAQNRVVVASFH
M38	MLK	Env	QNRVVVASFHTGTP
M39	MAL	Pol	MALDKFDMSIGLAPASVF
M40	MAL	Pol	SIGLAPASVFLLSLLM
M41	MAL	Pol	SVFLLSLLMGHNTLHVL
M42	MAL	Pol	LMGHNTLHVLVLES PCF
M43	MAL	Pol	VLVLES PCFLPVLALLL
M44	MAL	Pol	CFLPVLALLLLLVLLLL
M45	MAL	Pol	LLLLVLLLLLVWFP
M46	MGS	Pol	MGSNLGVFPHITMLSVA
M47	MGS	Pol	FPHITMLSVAIFCTASV
M48	MGS	Pol	SVAIFCTASVNCFTSLVW
M49	MGS	Pol	SVNCFTSLVWAPLILAYF
M50	MGS	Pol	VWAPLILAYFPVFRFL
M51	MGS	Pol	LAYFPVFRFLNGS