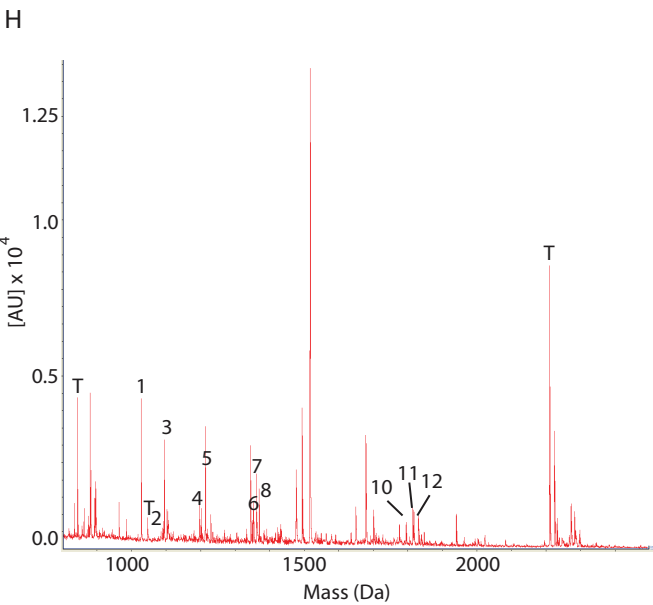
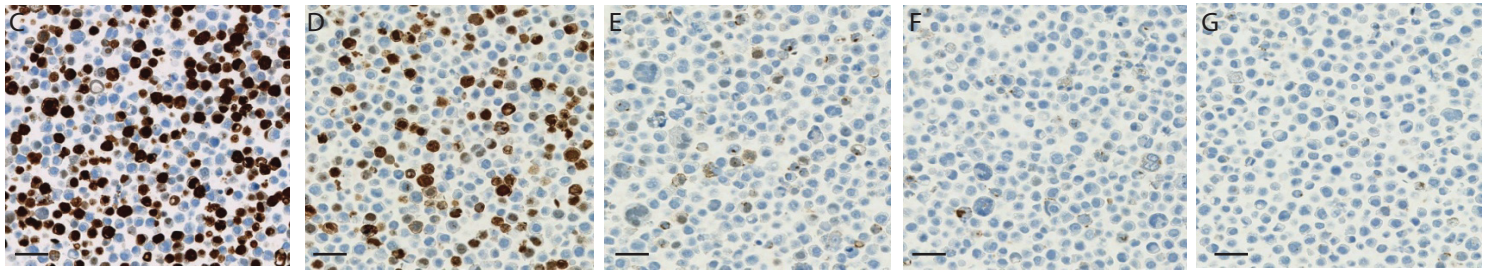
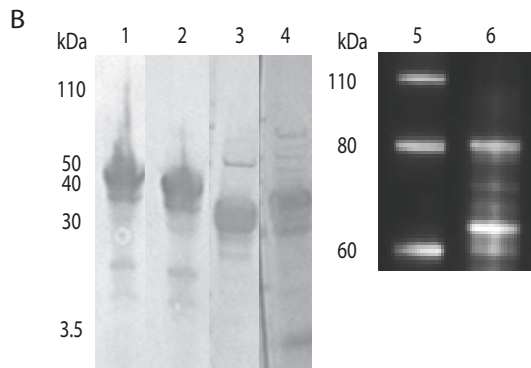


Figure S2

**A**

Species	Gag Region	Alignment
Human	p15	ENKTQPPVAYQYWPPAELQYR
Rhesus	229-250	-D-----L-----
Human	CA	KSFSIKLLKDLKEGVKQYGPNS
Rhesus	337-360	-----M--EM-----



**I**

Peak#	Mass	Assigned	Delta (ppm)	Sequence
1	1026.54	1026.53	8	APYPQPPTTR
2	1091.61	1091.57	30	YASYLSFIK
3	1093.58	1093.53	45	EPYPDFVAR
4	1195.55	1195.52	26	Q+YGPNSPYMR
5	1212.56	1212.54	19	QYGPNSPYMR
6	1352.72	1352.71	8	GPELVGPSESKPR
7	1360.79	1360.75	29	LIPYDWEILAK
8	1368.74	1368.74	20	SSLSPSQFLQFK
9	1493.74	1493.73	7	QGSKEPYPDFVAR
10	1815.00	1814.99	4	AMLMAQAITGVVLGGQVR
11	1818.01	1818.01	1	GTSPYPAGQVPVTLQPQK
12	1831.00	1830.99	9	AMLMAQAITGVVLGGQVR*

**J**

```

1  MASGQTKSKI  KSKYASYLSF  IKILLKRGV  KVSTKNLIK  L  FQIIEQFCPW  FPEQGTLDLK
61 DWKRIGKELK  QAGRKGNII  P  LTVWNDWAI  I  KAALEPFQTE  EDSISVSDAP  GSCIIDCNEN
121 TRKKSQKETE  SLHCEYVAE  P  VMAQSTQNV  D  YNQLQEVII  P  ETLKLEGKGP  ELVGPSESKP
181 RGTSPYPAGQ  VPVTLQPQK  Q  VKENKTOPP  V  AYQYWPPAEL  QYRPPPEQY  GYPGMPPAPQ
241 GRAPYPQPPT  RRLNPTAPP  S  RQGSELHEI  I  DKSRKEGDTE  AWQFPVTLEP  MPPGEGAQEG
301 EPPTVEARYK  SFSIKLLKDL  KEGVKQYGP  N  SPYMRLLDS  IAHGHRLLIP  Y  DWEILAKSSL
361 SPSQFLQFKT  WWIDGVQEQ  V  RRNRAANPP  V  NIDADQLLGI  GQNWSTISQQ  ALMQNEAIEQ
421 VRAICLRWE  KIQDPGSTC  P  SFNTVRQGS  K  EPYPDFVARL  QDVAQKSIAD  EKARKVIVEL
481 MAYENANPEC  QSAIKPLKG  K  VPAGSDVISE  Y  YVKACDGIGG  AMHKAMLMAQ  AITGVVLGGQ
541 VRTFGGKCYN  CGQIGHLLK  N  CPVLNKQNI  T  IQATTTGREP  PDLCPCKKG  KHWSQCRSK
601 FDKNGQPLSG  NEQRGQPAP  P  QQTGAFFIQ  P  FVPQGFQGG  Q  PPLSQVFQGI  SQLPQYNNCP
661 PPQAAVQQ
    
```