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|MA-CA-NC-p6-p1-p2|PR-RT-IN|      | gp120-gp41 |
                        vif      |
                        vpr      |
                        vpu      |
tat:  --      -
rev:  -      ---

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\*\*TAR-Tat binding, PBS-primer binding, DIS-dimer init. site ,SD-splice donor,  $\phi$ -packing, AUG-start of gag, RRE-Rev binding

#### HIV-1 PROTEINS

<u>PROTEIN</u>	<u>MAP (N)</u>	<u>SIZE (KD)</u>	<u>FUNCTION</u>
MA	336	18	Matrix protein
CA	732	24	Capsid or Core protein
P2	1425	2	??
NC	1467	17	Nucleocapsid, binds $\phi$ & primer tRNA
P1	1632	1	??
P6	1680	6	Interacts with Vpr
PR	1799	10	Proteinase
RT	2096	66/51	Reverse transcriptase-RNase H
IN	3776	31	Integrase
Gp120	5855	120	Spike or Surface protein (SU)
Gp41	7304	41	Transmembrane protein (TM)
Tat	5377	16	Binds to <u>TAR</u> , Promotes transcription of unspliced mRNAs.
Rev	5516	19	Binds to <u>RRE</u> , Transport of mRNAs
Vif	5487	23	Viral infectivity factor; a late function, maturation ?
Vpr	5105	14	Nuclear protein, function unclear, Blocks cell cycle in S or G2
Vpu	5608	16	Late function, viral release ?
Nef	8343	27	(3'-orf) Down regulation of CD4