

	amphipathic - alpha helix -	<- vif cds	oligomerization	H(S/F)RIG motifs	tat cds ->	
B. FR. HXB2			MEQAPEDQGPQREPHNEWTLLELLELNKNEAVRHFPRIWLHGLGQHIYETYGDWAGVEAIIIRILQQLLFH#FRIGCRHSRIGV...TRORRA...R...NGASRS\$			96
CONSENSUS A			-----Y-m-----d-h-----p-----n-----E-----t-----v-----q-----i?i-g-v-----d-sg			96
A. KE. Q23-CXC-CG			-----M-----DD-H-----P-----N-----E-----T-----V-----Q-----I...IPG-G...PG			96
A. SE. SE6594			-----Y-M-----D-H-----P-----N-----E-----T-----V-----Q-----I...I-G-V...S			96
A. SE. SE7253			-----Y-M-D-----D-H-----P-Q-----N-H-----E-----V-T-----V-----I...I-G-V...D-SG			96
A. SE. SE7535	-V-		-----Y-M-----D-Q-----P-----D-----E-----T-----V-----Q-----I...I-G-V...PG			96
A. SE. SE8131			-----Y-M-----D-H-----P-----Y-Y-----E-----V-T-----V-----HY...#...D-S			89
A. SE. SE8538			-----Y-A-I-D-----H-----P-----D-----E-----T-T-----V-----H...I...I-G-V...D-G			96
A. SE. SE8891			-----Y-A-V-----H-----P-----N-----E-----T-----V-----Q-----I...I-R-V...D-S			96
A. UG. 92UG037			-----Y-M-D-----D-H-----P-----H-----E-----V-----V-----Q-----IN...I-G-V...D-SG			97
A. UG. U455			-----YA-\$A-----H-D-----Q-----N-----E-----V-----V-----Q-----I...IPG-G...95			95
CONSENSUS B			-----Y-----s-----s-----q-----i?i-g-v...?...?			96
B. AU. 1052D1			-----Y-A-V-----S-----V-D-Y-----L-----I...O-----I...O			96
B. AU. LIFI-1			-----Y-A-----D-T-----S-----Q-----II.QVQR-----L			99
B. AU. LW87-1			-----Y-A-----D-T-K-----S-L-----Q-----M-I#QVQR-----97			97
B. AU. LW89-2			-----Y-A-----D-T-----S-----T-----Q-----IT.PQR-----97			97
B. AU. MBC18			-----Q-Y-A-----V-----Y-----E-----Q-----I...F-----V			96
B. AU. MV1192			-----YS-----S-----H-P-YS-----T-----Q-----I...YSTEE...N...KRT			96
B. AU. MVBAL			-----YS-----S-----H-P-YS-----T-----Q-----I...IQ-----ATFA			96
B. AU. PGI192			-----YS-----S-----H-P-YS-----T-----Q-----I...YSTEE...N...KRT			96
B. AU. PGBAL			-----YS-----S-----H-P-YS-----T-----Q-----I...IQ-----ATFA			96
B. AU. VR-2			-----Y-----S-----I...M-----I...M			93
B. CN. RL42			-----Y-----R-----T-----Q-----I...IQ-----96			96
B. DE. D31			-----Y-----S-----S-----T-L-M-----Q-----I...96			96
B. DE. H3497			-----Y-----M-S-Y-----L-M-----I...G			94
B. DE. HAN			-----Y-A-----S-----S-Y-----I...P			96
B. DE. I3493			...-A-----E-S-Y-----xG-----M-----H-I...x-RS-----G			92
B. DE. NH52			-----Y-----S-Y-----T-----Q-----M-I...-QR--T...96			96
B. ES. 89SP061			-----Y-----S-----S-E-Y-----E-----Q-----I...DI...L-R...96			96
B. GA. OYI			-----T-----Q-Y-----S-----P-LA-----V-L-S-----Q-----I...IQ-S...96			96
B. GB. CAM1			-----R-----YI-----D-----V-N-----V-V-----Q-----I...I...96			96
B. GB. H4661			-----R-----Y-A-----S-----S-Y-----T-L-M-----Q-----I...PRS-----R			96
B. GB. I4657			-----R-----Y-A-----S-----S-Y-----A-T-L-T-----Q-----I...T...96			96
B. GB. MANC			-----R-----Y-A-----S-----S-Y-----A-T-L-T-----Q-----I...T...96			96
B. NL. ACH3202A21	-N-		-----Y-----R-----P-----Q-----I...IQ...R...97			97
B. NL. 4656			-----Y-----S-----G-N-----S-----x-----I...xx...96			96
B. NL. H0008			-----Y-----S-----G-N-----S-----I...I-T...96			96
B. NL. I7025			-----Y-----S-----T-----Q-----I...QR-S...P			95
B. TW. LM49	-P-		-----Y-A-----R-----P-S-Y-----Q-----I...I...S			96
B. US. 3799993			-----Y-----S-----P-S-Y-----Q-----I...Q...96			96
B. US. AD8			-----Y-----S-----P-S-Y-----Q-----I...I,R-T...95			95
B. US. BCSG3			-----Y-----Y-----LV-T-----TL-----Q-----I...QR...96			96
B. US. DH123	-V-Q-		-----Y-----P-----Y-----L-----Q-----I...I...T...96			96
B. US. JRFL			-----Y-----V-S-Y-----Q-----I...I...96			96
B. US. MNCG			-----Y-Q-A-----Q-----I...I...96			96
B. US. NC7			-----Y-----T-----P-S-----Q-----I...IQ...R...97			97
B. US. NY5CG			-----Y-----S-----N-----Q-----I...I...96			96
B. US. P896			-----Y-D-----S-----T-L-D-----I...IQ-T...K			96
B. US. RF			-----Y-----S-----L-S-----Q-----I...I...96			96
B. US. SC			-----Y-----RK-S-----I...IQ-S...S			96
B. US. SF2			-----Y-----R-----P-S-Y-----Q-----I...IQ...R...97			97
B. US. WC001			-----Y-----S-----L-S-----I...I...96			96
B. US. WEAU160			-----Y-----S-----V-S-----T-----I...P...96			96
B. US. WR27	-x-		-----YH-----R-----L-S-Y-----Q-----I...IQ...S			96
B. US. YU2			-----Y-----R-----P-----Q-----I...IQ...R...97			97
CONSENSUS C			-----Y-----q-----p-----y-----t-----l-----q-----I...l...96			96
C. BR. 92BR025			-----RP-----Y-----R-----P-----T-----NM-----R-----V-----Q-----I...L...96			96
C. BW. 96BW01B21	-RP-		-----Y-----Q-----P-----Y-----T-----NM-----V-----Q-----I...LQ...96			96
C. BW. 96BW01B22	-RP-		-----Y-----Q-----P-----Y-----T-----NM-----V-----Q-----I...LQ...96			96
C. BW. 96BW0402	-R-		-----Y-----R-----P-S-Y-----T-L-T-----Q-----I...L-V...TN			96
C. BW. 96BW0504			-----Y-----Q-----GP-----YV-----T-----TL-----Q-----I...L-T...96			96
C. BW. 96BW1104			-----Y-----Q-----P-S-N-----T-----Q-N-I...I-T...P			96
C. BW. 96BW1210			-----Y-----Q-----P-S-Y-----T-----VLT-----Q-----I...L-T...96			96
C. BW. 96BW15B03	T-		-----Y-A-I-----Q-----P-S-Y-----T-----L-----I...M...96			96

	amphipathic - alpha helix -		H(S/F)RIG motifs		tat cds ->			
	oligomerization							
B. FR. HXB2	MEQAPEDQGP	Q	Y	T	IL	YQ	TRORRA...R...NGASRS\$	96
C. BW. 96BW16B01	---	P	---	---	---	---	---	96
C. BW. 96BW17A09	---	T	---	---	---	---	---	96
C. ET. ETH2220	---	Y	A	---	---	---	---	96
C. IN. 21068	---	S	---	---	---	---	---	96
C. IN. 301904	---	P	---	---	---	---	---	96
C. IN. 301905	---	S	---	---	---	---	---	96
C. IN. 301999	---	P	---	---	---	---	---	96
C. IN. 94IN11246	---	S	---	---	---	---	---	96
CONSENSUS D	---	A	---	---	---	---	---	96
D. CD. 84ZR085	---	D	---	---	---	---	---	96
D. CD. ELI	---	A	---	---	---	---	---	96
D. CD. NDK	---	D	---	---	---	---	---	96
D. CD. Z226	---	D	---	---	---	---	---	96
D. UG. 94UG1141	---	N	---	---	---	---	---	97
F1. BE. VI850	---	G	---	---	---	---	---	96
F1. BR. 93BR020.1	---	F1	---	---	---	---	---	96
F1. FI. FIN9363	---	G	---	---	---	---	---	96
F1. FR. MP411	---	G	---	---	---	---	---	96
F2. CM. MP255	---	P	---	---	---	---	---	96
F2. CM. MP257	---	P	---	---	---	---	---	96
G. BE. DRCBL	---	R	---	---	---	---	---	97
G. CG. CNG30.5	---	G	---	---	---	---	---	96
G. FI. HH8793	---	V	---	---	---	---	---	96
G. NG. 92NG083	---	G	---	---	---	---	---	96
G. SE. SE6165	---	G	---	---	---	---	---	96
H. BE. VI991	---	H	---	---	---	---	---	96
H. BE. VI997	---	H	---	---	---	---	---	95
H. CF. 90CF056	---	H	---	---	---	---	---	96
J. SE. SE9173	---	J	---	---	---	---	---	96
J. SE. SE9280	---	K	---	---	---	---	---	96
K. CD. EQTB11C	---	K	---	---	---	---	---	96
K. CM. MP535	---	R	---	---	---	---	---	96
N. CM. YBF30	---	N	---	---	---	---	---	95
CONSENSUS O	---	O	---	---	---	---	---	100
O. CM. ANT70C	---	O	---	---	---	---	---	97
O. CM. MVP5180	---	O	---	---	---	---	---	100
O. FR. HIVY16019	---	O	---	---	---	---	---	100
O. FR. HIVY16020	---	O	---	---	---	---	---	100
O. FR. HIVY16021	---	O	---	---	---	---	---	100
O. FR. HIVY16022	---	O	---	---	---	---	---	97
O. FR. HIVY16023	---	O	---	---	---	---	---	100
O. FR. HIVY16024	---	O	---	---	---	---	---	100
O. FR. HIVY16025	---	O	---	---	---	---	---	100
O. FR. HIVY16026	---	O	---	---	---	---	---	100
O. FR. HIVY16027	---	O	---	---	---	---	---	100
O. FR. HIVY16028	---	O	---	---	---	---	---	100
O. FR. HIVY16029	---	O	---	---	---	---	---	100
O. FR. HIVY16030	---	O	---	---	---	---	---	100
O. FR. HIVY16031	---	O	---	---	---	---	---	100
CRF01_AE. CF. 90CF40	---	CRF01	---	---	---	---	---	96
CRF01_AE. TH. 93TH25	---	CRF01	---	---	---	---	---	96
CRF01_AE. TH. CM240	---	CRF01	---	---	---	---	---	95
CRF01_AE. TH. TH022	---	CRF01	---	---	---	---	---	96
CRF01_AE. TH. TH047	---	CRF01	---	---	---	---	---	95
CRF02_AG. FR. DJ263	---	CRF02	---	---	---	---	---	96
CRF02_AG. FR. DJ264	---	CRF02	---	---	---	---	---	96
CRF02_AG. NG. IBNG	---	CRF02	---	---	---	---	---	96
CRF03_AB. RU. KAL15	---	CRF03	---	---	---	---	---	96
CRF04_cpx. CY. 94CY0	---	CRF04	---	---	---	---	---	96
CRF04_cpx. GR. 97PVC	---	CRF04	---	---	---	---	---	98
CRF04_cpx. GR. 97PVM	---	CRF04	---	---	---	---	---	99
CPZ. CD. CPZANT	---	CPZ	---	---	---	---	---	59
CPZ. GA. CPZGAB	---	CPZ	---	---	---	---	---	96
CPZ. US. CPZUS	---	CPZ	---	---	---	---	---	100

