

gp33

		80		100	
T4	FAKFIPSGIIEKIQSEADENLLRPSVVRCEKTN				FLDFLL
RB69	*****T**V**T*****M*****A**G****				FLDFLL
RB49	YQ*Y**VS**D**TQ*C*VNRT**KG*IDEPTN				FLDI
phi-1	YQ*Y**VS**D**TQ*C*VNRT**KG*IDEPTN				FLDI
RB43	LN*TV*KAA**D**SD***KN*****AKDHTTTC				FLDDEFM
RB16	LN***KA**D**SD***KN*****AKDHTTTC				FLDDEFM
133	YQRYL*TS***A**KL***E**R*VA**M*NYHQSA				FLDFILNA
Aeh1	IP***YPALRD**EE*G*ECRTVKPETHNA				FLAFLF
44RR2.8t	CQ*Y**RAL*D*LSQ*C*ESDM****I**SMTRN				FLDFLM
25	CH*Y**RAV*D*LSK*CV*SDM****IAKSMTRN				FLDFLM
65	VS*L*SKPLK**LKFD*QKL*FMKTSRA				FLMLV
KVP40	*PYL*NQTLRD**ET***N*KTI*SRFGSA				FLDGLQW
nt-1	*PYL*NQTLKD**ET***N*KTI*SRFGSS				FLDLG
JS98	**RYL*AG**D**MN***D*****MA*TQKTN				FLDFLL

gp55

		150		170	
T4	DDDMVALVDETFIQDIYDKMTHYEES				TYRTPGAEKKS
RB69	*****A**KA*****E**S**				SLDFLY*DDN
RB49	*A**CQIA**A*****INN***				VNKPAPKVEDVLTEELF
phi-1	*A**CQIA**A*****INN***				VNKPAPKVEDVLTEELF
Rb43	*T**T*IA*****H**LNQ***				AKKPKDKIEVDESP
RB16	*A**TSIA*****H**LNQ***				AKKPKDKIEVDESP
133	*PE*ASMA**D*****QKF**T*				LNKKANNQIENLPDTS
Aeh1	*E**AK***VA*YN*MMT*ANDF*AK				RKIKPKPKQLGGLS
44RR2.8	*S**SRIA**G*****H**LVV**A*				IKSKKDKPELPI
25	***SR***N*****HG*LVA***S*				LKSKKDKEDVPI
65	*E**GEM**PD*YL*LV**VSS****				VKKKQKDKDEDIGE
KVP40	YTVEGEE*TFE*L*QMLERVNS**SG				KTAKAQPEQKEPL
nt-1	M*GE--EA*YE*L*QMLE*VNS**T*				KKDKAQPEKNEPI
JS98	*****GIA*****Q**T*				LVKAPGSKSAESKVG

Supplementary figure 1