

RPE-1

PHDsec	HHH	HHHHHHHHHHHHHHH	E	HHH	
UbiH	RHLAKFAYSEEFVGD	TKR-STAA	YTSVREDAS	IGSTHKLPLEVEE	FGKMS 49
RC0071	RHLAKFAYREEFKGD	TKR-STAA	YTLVREDAS	IGSTYKLPLEVE	-FGKMS 48
TruB	RHLAKFAYREEFKGN	TER-NTT	AYTLVREDAS	TGLTYKLPLEVE	-FGKMS 48
Era	RHLAKFAYREEFKGD	TEA-LAAA	---VREDAS	TGSTSQPLEVQ	-FGKMS 45
RC0183	RHLKSPVYREEFKRD	TEH-STAD	---IREDAS	TGSTSKLPLEV	-CGKMS 45
hemC	RHLKSLAYREVLEGN	TEALATA	AYKSNRTD	ASTGLTYKLPLE	VE-FGKVS 49
RC0675	-DIFPKTYREEFKGD	TKALVTA	AYKLVRED	STLGLMYKLPLE	AK-FEKMS 48
UbiG	RHLKSLTYREELVGN	MQH-STA	AYALVRED	ASSRLTHKLPLE	EAE-FEKMS 48
RC1172	DCLQNEANKEAFEGD	TER-GTA	AYIDVRED	ASTGSTYKLPLE	DAS-YVSS- 47
PcnB	DLLHNKTNKEEFEGD	TER-RIA	MYINVRED	SSTGSTYKLPLE	AS-YPRD- 47
RC0127	DLLENEANKEEFVGN	TER-SIA	AYTLVRED	ASTGLTYKLPLE	AS-YARG- 47
MviN	DFLHNVANKEKFEGN	TER-STA	AYTLVREN	ASTGLTHKLPLE	AS-YARS- 47
KdtA	DFMQTSANKEEFKGD	TSL-RTT	TYTLIRE	DEGLGSTYKLP	LEAS-DARR- 47
RC1250	--LHHL	SYKEE	LEGNTEH-STA	AYIKVRED	ASTGLTYKLPLEGG-YARS- 45
GltX	TLLRHLPYREEFGGN	TER-STA	AYIDIRE	ASTGLTYKLPLE	AVE-LPKKF 48
RC1201	RHLQKLAYREEFGD	TAR-RTA	AYIEVRED	SSTGSTYKLPLE	VVE-FPKM- 47
CoxB	RHF	SKPAYRE	EFKEDTSP-RTA	EYKSVSEDS	STGLTYLPPKAK-FGKMS 48
Gmk	RVLQK	CAYRE	EFGDMER-STAA	-----	TSKLPLEVE-LSRNS 36
RC0659	RHLAKPAYREEFKGD	IEC-STA	AYKEVLED	TSTDSTSKLPLE	AK-FGKMS 48
RC0209	RHLKPAYREECTGD	TER-STT	AYMDILE	VSTGSTSKLPLE	AK-FVKIS 48
RC0809	RHLFKPAYREGSKGD	TEH-STA	AYTLVRED	ASTGSTFKLPLE	AK-FGKMS 48
MesJ	RHF	SKPVYRE	EFGDTER-STA	AYTLVRED	ASTGTASKLSLEAK-CGKMS 48
RC1039	DSLHNLSYKEEFEGD	MKR-STA	AYKKVSE	DASIGSTYIADI	SEV-GSQI- 47
RlpA	DLLQNEANKEKFEGN	TAC-STA	AYTLVRED	ASTGLTYTADISK	V-GNQI- 47
ruler	1.....10.....20.....30.....40.....50				



RPE-2

PHDsec	EEEEEE	EEEE	
nuoC	VVNSVGLGHKEQGAKPI	TNRR	TSDNVGESKSIDY 35
atpG	IVNLVGFYKERVKPI	INNRR	ATSDIVGESKSIDY 35
ksgA	IVNSVGFAYKKREVKPI	TNRR--	ANDIGESKSIDY 33
RC0698	IVNSVEFGYKERVKPI	IGE-TT	SNVAVGESKSIDY 34
ruler	1.....10.....20.....30.....		



RPE-3

PHDsec	HHH	HHHHHHHHHHHHH	EE	
MurD	QHNSE	FRQDEFQGEPAE	PECIKIREHRQDLQNSLVSS	FM 40
LpxB	QLNSE	FRHDEFKGLARC--	TKVREHRLSLENSLVSS	DR 38
EnvZ	QHISK	FRQDEFKSEPTQR--	IKIREHRRILKNSLVSS	SL 38
PtrB	QLNLD	RFQDEFQDKPAER--	TNVREHRRMPQNSLVSS	DR 38
ruler	1.....10.....20.....30.....40			

