

A

	10	20	30	40	50	60	70	80	
ParSP04A	MKIFHCLFAAVS	OGALASQ	HEREYAWKN	IIYEGIDQGS	YNTENSIP	TAFAHDA	AASKKIFIT	IPRLN-QVPI	HTLT
PerSP03	MKIFHCLLIAVVS	OGVLAYDI	EREYAWKN	ISFEGIDPAS	YSYVKN	SIVTGF	AHDA	ADSKKIFIT	IPRLN-FVP
ParSP04B	MKIFMGLIAVVS	OGALAYH	VEREYAWKN	ITFEGIDQAS	YNIENSIP	TAFAHDA	LSKKIIIAI	PRLYPQV	PIITLTQ
PpeSP03B	MKIFHCLLIAVVS	OGVVG	FHVEREYAWKN	ISYEGVD	PALFNIDN	IIPTG	FVHD	AINKKIFIAV	PRRSQPI
PagSP04	MKIFHCLLSIT	IFVGGILG	YHVEREYAWKN	VTTEGVN	PSYVNL	HSIP	TG	FAYDAETQ	KLFLVAV

	90	100	110	120	130	140	150	160
ParSP04A	KMPGGSPPLSK	FGG----	SDNII	ISVYQV	VIDECRRL	WVVDAG	OVGYKGD	EQKYPKKN
PerSP03	KHPEGSPPLSK	FGG----	SDKLI	ISVYQV	VIDECRRL	WVVDAG	OVGYKGD	EQKYPKKN
ParSP04B	KHPEGSPPLSK	FGG----	SDKLI	ISVYQV	VIDECRRL	WVVDAG	OVGYKGD	EQKYPKKN
PpeSP03B	KHPEGSPPLSK	FGG----	SDKLI	ISVYQV	VIDECRRL	WVVDAG	OVGYKGD	EQKYPKKN
PagSP04	KHPEGSPPLSK	FGGSGKS	SKDLIS	ISVYQV	VIDECRRL	WVVDAG	OVGYKGD	EQKYPKKN

	170	180	190	200	210	220	230	240
ParSP04A	AG-NPLG	FGG	FTVDV	NPKEG	CGKFTFY	ITNFE	ENTLI	IVYDQ
PerSP03	AG-NPLG	FGG	FAVDV	NPKEG	CGKFTFY	ITNFE	ENTLI	IVYDQ
ParSP04B	AG-NI	IGFG	FTVDV	NPKEG	CGKFTFY	ITNFE	ENTLI	IVYDQ
PpeSP03B	AGSNTI	IFFG	FAVDV	NPKEG	CGKFTFY	ITNFE	ENTLI	IVYDQ
PagSP04	VK-NPL	SFG	FAVDV	NPKEG	CGKFTFY	ITNFE	ENTLI	IVYDQ

	250	260	270	280	290	300	310	320
ParSP04A	TLGDRD	SEG	NRPA	YAYL	LGSS	SSTK	LF	FEVNT
PerSP03	TLGLD	DEE	GNR	QAYY	LGSS	SSTK	LF	FRVNT
ParSP04B	TLGDRD	PEG	NRPA	YAYL	LGSS	SSTK	LF	FEVNT
PpeSP03B	TLGDRD	PEG	NRPA	YAYL	LGSS	SSTK	LF	FEVNT
PagSP04	TLGDR	EAT	GNR	MA	YLAG	SSTK	LF	YVST

	330	340	350	360	370	380	390	400
ParSP04A	KPLIH	NDM	KI	YAS	PEF	IFG	DIS	VDS
PerSP03	KSLNP	DNID	VI	YHS	PDF	IFG	DIS	MD
ParSP04B	KELNH	KNTD	VI	YAS	PEF	IFG	DIS	MD
PpeSP03B	KELNH	KNTD	VI	YAS	PEF	IFG	DIS	MD
PagSP04	TF	DSN	HTD	VI	YSD	AR	FL	EG

B

	10	20	30	40	50	60	70	80
PagSP04	MKIFHCLLSIT	IFVGGILG	YHVEREYAWKN	VTTEGVN	PSYVNL	HSIP	TG	FAYDAETQ
ParSP04A	MKIFHCLLIAVVS	OGALAYH	VEREYAWKN	ITFEGIDQAS	YNIENSIP	TAFAHDA	LSKKIIIAI	PRLYPQV
ParSP04B	MKIFMGLIAVVS	OGALAYH	VEREYAWKN	ITFEGIDQAS	YNIENSIP	TAFAHDA	LSKKIIIAI	PRLYPQV
PerSP03	MKIFHCLLIAVVS	OGVLAYDI	EREYAWKN	ISFEGIDPAS	YSYVKN	SIVTGF	AHDA	ADSKKIFIT
LJM17	MRFFE	VEFL	LAIVL	SGH	IGAH	YVIE	IGX	SRNIT
LJM11	MKIFHCLLSIT	IFVGGILG	YHVEREYAWKN	VTTEGVN	PSYVNL	HSIP	TG	FAYDAETQ
LJM111	MKIFHCLLSIT	IFVGGILG	YHVEREYAWKN	VTTEGVN	PSYVNL	HSIP	TG	FAYDAETQ

	90	100	110	120	130	140	150	160
PagSP04	K-----	HPERS	FPLSK	FGGSGKS	-----	SDKLI	ISVYQV	VIDECRRL
ParSP04A	K----	YPGGS	FPLSK	FGG----	SDNII	ISVYQV	VIDECRRL	WVVDAG
ParSP04B	K-----	HPERS	FPLSK	FGG----	SDKLI	ISVYQV	VIDECRRL	WVVDAG
PerSP03	K-----	HPERS	FPLSK	FGG----	SDKLI	ISVYQV	VIDECRRL	WVVDAG
PpeSP03B	K-----	HPERS	FPLSK	FGG----	SDKLI	ISVYQV	VIDECRRL	WVVDAG
LJM17	MNPG	FV	VER	APSE	FEK	EFK	FN	EGG
LJM11	NSLGV	GK	GH	SPL	LNK	TS	GH	KT
LJM111	KNSF	ES	GD	T	SPL	LNK	TS	GH

	170	180	190	200	210	220	230	240
PagSP04	RVEI	PI	AEV	VVK-N	PLS	GG	FAVDV	INPK
ParSP04A	RVEI	PI	AEV	VVK-N	PLS	GG	FAVDV	INPK
ParSP04B	RVEI	PI	AEV	VVK-N	PLS	GG	FAVDV	INPK
PerSP03	RVEI	PI	AEV	VVK-N	PLS	GG	FAVDV	INPK
PpeSP03B	RVEI	PI	AEV	VVK-N	PLS	GG	FAVDV	INPK
LJM17	RVEI	PI	AEV	VVK-N	PLS	GG	FAVDV	INPK
LJM11	RVEI	PI	AEV	VVK-N	PLS	GG	FAVDV	INPK
LJM111	RVEI	PI	AEV	VVK-N	PLS	GG	FAVDV	INPK

	250	260	270	280	290	300	310	320
PagSP04	YKVF	H	FG	IT	LG	D	RE	A
ParSP04A	LKL	H	FG	IT	LG	D	RE	A
ParSP04B	YKVF	H	FG	IT	LG	D	RE	A
PerSP03	LKL	H	FG	IT	LG	D	RE	A
PpeSP03B	YKVF	H	FG	IT	LG	D	RE	A
LJM17	YKVF	H	FG	IT	LG	D	RE	A
LJM11	YKVF	H	FG	IT	LG	D	RE	A
LJM111	YKVF	H	FG	IT	LG	D	RE	A

	330	340	350	360	370	380	390	400
PagSP04	QVSC	WN	Q	T	P	-----	LD	SN
ParSP04A	KIS	C	WN	Q	T			