




	MSKNNIFKKYPP	IIHGEARGEND	EFVVHTRYP	RFLARKSFDDNFT	GEMPAKP	VNGELGQIGEP	PRRLAYDS	SRLGLWLSDF	79	
	MSKNNIFKKYPT	IIHGEARGEND	EFVVHTRYP	RFLARKSFDDNFT	GEMPAKP	VNGELGQIGEP	PRRLAYDS	SRMGLWLSDF	79	
	MSKNNIFKKYPP	IIHGEARGEND	EFVVHTRYP	RFLARKSFDDNFT	GEMPAKP	VDGELGQIGEP	PLRLAYDS	SRIGLWLSDF	79	
	MSKNNIFKKYPP	IIHGEARGEND	EFVVHTRYP	RFLARKSFDDNFT	GEMPAKP	VDGELGQIGEP	PLRLAYDS	SRIGLWLSDF	79	
	MSKNNIFKKYPP	IIHGEARGEND	EFVVHTRYP	RFLARKSFDDNFT	GEMPAKP	VDGELGQIGEP	PLRLAYDS	SRMGLWLSDF	79	
	MSKNNIFKKYPP	IIHGEARGEND	EFVVHTRYP	RFLARKSFDDNFT	GEMPAKP	IDGELGQIGEP	PLRLAYDS	SRIGLWLSDF	79	
	MSKNNIFKKYPP	IIHGEARGEND	EFVVHTRYP	RFLARKSFDDNFT	GEMPAKP	IDGELGQIGEP	PRRLAYDS	SRLGFWLSDF	79	
	MSKNNIFKKYPP	IIHGEARGEND	EFVVHTRYP	RFLARKSFDDNFT	GEMPAKP	IDGELGQIGEP	PLRLAYDS	SRIGLWLSDF	79	
	SMSKNNIFNKYPT	IIHGEARGEND	EFVVHTRYP	RFLARKSFDDNFT	GEMPAKP	VNGELGQIGEP	PRRLAYDS	SRLGLWLSDF	80	
	MSKNNIFNKYPT	IIHGEARGEND	EFVVHTRYP	RFLARKSFDDNFT	GEMPAKP	VNGELGQIGEP	PRRLAYDS	SRLGLWLSDF	79	
	MASKNNIFNKYPT	IIHGEARGEND	EFVVHTRYP	RFLARKSFDDNFT	GEMPAKP	VNGELGQIGEP	PRRLAYDS	SRLGLWLSDF	80	
MAAFLKGFK	MSKNNIFNKYPT	IIHGEARGEND	EFVVHTRYP	RFLARKSFDDNFT	GEMPAKP	VNGELGQIGEP	PRRLAYDS	SRLGLWLSDF	88	
	MSKNNIFNKYPT	IIHGEARGEND	EFVVHTRYP	RFLARKSFDDNFT	GEMPAKP	VNGELGQIGEP	PRRLAYDS	SRLGLWLSDF	79	
	MSKNNIFKKYPP	IIHGEARGEND	EFVVHTRYP	RFLARKSFDDNFT	GEMPAKP	VDGELGQIGEP	PLRLAYDS	SRLGLWLSDF	79	
	MDEIEDLSL	PMPRFIWGF	FAVIAGKG	GEVMHDEF	EYLTHTRSP	RFTCRVVELED	MPAESEEDA	IDGRIVHEDDP	SRMFYITDAGMALVNF	90
	MDEIEDLSL	PMPRFIWGF	FAVIAGKG	GEVMHDEF	EYLTHTRSP	RFTCRVVELED	MPAESEEDA	IDGRIVHEDDP	SRMFYITDAGMALVNF	90
	MDEIEDLSL	PMPRFIWGF	FAVIAGKG	GEVMHDEF	EYLTHTRSP	RFTCRVVELED	MPAESEEDA	IDGRIVHEDDP	SRMFYITDAGMALVNF	90
	MDEIEDLSL	PMPRFIWGF	FAVIAGKG	GEVMHDEF	EYLTHTRSP	RFTCRVVELED	MPAESEEDA	IDGRIVHEDDP	SRMFYITDAGMALVNF	90
	MDEIEDLSL	PMPRFIWGF	FAVIAGKG	GEVMHDEF	EYLTHTRSP	RFTCRVVELED	MPAESEEDA	IDGRIVHEDDP	SRMFYITDAGMALVNF	90
	MDEIEDLSL	PMPRFIWGF	FAVIAGKG	GEVMHDEF	EYLTHTRSP	RFTCRVVELED	MPAESEEDA	IDGRIVHEDDP	SRMFYITDAGMALVNF	90
	MDEIEDLSL	PMPRFIWGF	FAVIAGKG	GEVMHDEF	EYLTHTRSP	RFTCRVVELED	MPAESEEDA	IDGRIVHEDDP	SRMFYITDAGMALVNF	90
	MDEIEDLSL	PMPRFIWGF	FAVIAGKG	GEVMHDEF	EYLTHTRSP	RFTCRVVELED	MPAESEEDA	IDGRIVHEDDP	SRMFYITDAGMALVNF	90
	MDEIEDLSL	PMPRFIWGF	FAVIAGKS	GEVMHDEF	EYLTHTRSP	RFTCRVVELED	MPAESEEDA	IDGRIVHEDDP	SRMFYITDAGMALVNF	90
	MDEIEDLSL	PMPRFIWGF	FAVIAGKS	GEVMHDEF	EYLTHTRSP	RFTCRVVELED	MPAESEEDA	IDGRIVHEDDP	SRMFYITDAGMALVNF	90
	MDEIEDLSL	PMPRFIWGF	FAVAAGRS	GEVLHDEF	EYLTHTRSP	RFTCRVVELED	VPDNDDEGG	IDGRIVHPDD	PRMFYITDAGMALVNF	90
	MDEIEGLSL	PMPRFIWGF	FAVAAGRD	GEVLHDEF	EYLTHTRTP	RFTCRVVELED	VPDNDNEEGD	IDGRIVHPDD	PRMFYITDAGMALVNF	90
	MDEIEDLSL	PMPRFIWGF	FAVVAGKG	GEVMHDEF	EYLTHTRSP	RFTCRVVELED	VPADNGEDD	IDGRIVHHD	PRRLFYITDAGMALVNF	90
	MDEIDDL	SLPMPRFIWGF	FAVVANKG	GEIMHDEF	EYLTHTRSP	RFTCRVVELED	MPADSEESG	IDGRIVHYDE	PDRLFYITDAGMALVNF	90
	MDELDELDDL	SLPMPRFIWGF	FAVVASKG	GEVTHDEF	EYLTHTRSP	RFTCRVVELED	MPADSEESG	IDGRIVHYDE	PDRLFYITDAGMALVNF	93
	MDDMDEIDDL	SLPMPRFIWGF	FAITASKG	GEVSHDEF	EYLTHTHNP	RFSCRVVELED	VPADSEESG	IDGRIVHYDE	PDRLFYITDAGMALVNF	93
	MDDMDELDDL	SLPIPQFIWGF	FAVIANKG	GEVMDHDEF	EYLTHTRSP	RFTCRVVELED	MPADSEDSG	IDGRIVHHD	PDRMFYITDIGMALVNF	93
	MDDMDEIDDL	SLPMPRFIWGF	FAVIANKG	GEVMDHDEF	EYLTHTRSP	RFTCRVVELED	MPADSEDSG	IDGRIVHHD	PDRMFYITDIGMALVNF	93
	MDDMDEIDDL	SLPMPRFIWGF	FAVIANKG	GEVMDHDEF	EYLTHTRSP	RFTCRVVELED	MPADSEDSG	IDGRIVHHD	PDRMFYITDIGMALVNF	93
	MDEIDDL	SLPMPRFIWGF	FAVIANKG	GEVMDHDEF	EYLTHTRSP	RFTCRVVELED	MPADSEDSG	IDGRIVHHD	PDRMFYITDIGMALVNF	90
	MDEIDDL	SLPMPRFIWGF	FAIFTPKG	GEVMHDEF	EYLTHTRAP	RFTCRVVELED	MPVDSEETG	IDGRIVHYDE	PGRLFYISDAGIALVNF	90
	MDEIDDL	SLPMPRFIWGF	FAIFTPKG	GEVMHDEF	EYLTHTRAP	RFTCRVVELED	MPVDSEESG	IDGRIVHYDE	PGRLFYISDAGIALVNF	90
	MDEIDDL	SLPMPRFIWGF	FAIFTPKG	GEVMHDEF	EYLTHTRAP	RFTCRVVELED	MPADSEESG	IDGRIVHYDE	PGRLFYITDAGIALVNF	90
	MDEIDDL	SLPMPRFIWGF	FAIFTPKG	GEVMHDEF	EYLTHTRAP	RFTCRVVELED	MPADSEESG	IDGRIVHYDE	PGRLFYITDAGIALVNF	90
	MDEIDDL	SLPMPRFIWGF	FAIFTPKG	GEVMHDEF	EYLTHTRAP	RFTCRVVELED	MPADSEESG	IDGRIVHYDE	PGRLFYITDAGIALVNF	90
	MDEIDDL	SLPMPRFIWGF	FAIATGKG	GEVMHDEF	EYLTHTRSP	RFTCRVVELED	MPDTESDG	IDGRIVHYDD	PARLFYITDAGMALVNF	90

Acr00236	type II-C	IMLDKNKPNMEEWLEQLKAA	CDRIAADD	MLNEDAADLEDLDD	123
Acr00235	type II-C	IMLDNNKPNMEEWLEQLKAA	CDRIAADD	MLNEDAADLEDLDD	123
Acr00240	type II-C	IMLDKNKPNMEEWLEQLKAA	CDRIAADD	MLNEDAADLGDFDD	123
Acr00237	type II-C	IMLDKNKPNMEEWLEQLKAA	CDRIAADD	MLNEDAADLGDLDD	123
Acr00238	type II-C	IMLDKNKPNMEEWLEQLKAA	CDRIAADD	MLNEDAADLGDLDD	123
Acr00242	type II-C	IMLDKNKPNMEEWLEQLKAA	CDRIAADD	MLNEDAADLGDFDD	123
Acr00239	type II-C	IMLDKNKPNMEEWLEQLKAA	CDRIAADD	MLNEDAAALEGWDD	123
Acr00241	type II-C	IMLDKNKPNMEEWLEQLKAA	CDRIAADD	MLNEDAAALEGWDD	123
Acr00287	type II-C	IMLDNNKPKNMEDWLGQLKAA	CDRIAADD	MLNEDAADLEGWDD	124
Acr00231	type II-C	IMLDNNKPKNMEDWLGQLKAA	CDRIAADD	MLNEDAADLEGWDD	123
Acr00288	type II-C	IMLDNNKPKNMEDWLGQLKAA	CDRIAADD	MLNEDAADLEGWDD	124
Acr00232	type II-C	IMLDNNKPESMEDWLGQLKAA	CDRIAADD	MLNEDAAALEGWDD	132
Acr00233	type II-C	IMLDNNKPESMEDWLGQLKAA	CDRIAADD	MLNEDAAALEGWDD	123
Acr00234	type II-C	IMLDNNKPNMEDWLGQLKAA	CDRIAADD	MLNEDAAALEGWDD	123
Acr00281	type II-C	QLFDKMPDK.....QKFKRI	CDEAIANWMLRREFLDEEED	125	
Acr00283	type II-C	QLFDRMPDK.....QKFKRI	CDEAIANWMLRREFLDEEED	125	
Acr00276	type II-C	QLFDKMPDK.....QKFKRI	CDEAIANWMLRREFLDEEED	126	
Acr00279	type II-C	QLFDKMPDK.....QKFKRI	CDEAIANWMLRREFLDEEED	126	
Acr00282	type II-C	HLFDKMPDK.....QKFKRI	CDEAIANWMLRREFLDEEED	126	
Acr00280	type II-C	HLFDKMPDK.....QKFKRI	CDEAIANWMLRREFLDEEED	126	
Acr00278	type II-C	QLFDKMPDK.....QKFKRI	CDEAIANWMLRREFLDEEED	126	
Acr00271	type II-C	QLFDKMPDK.....QKFKRI	CDEAIANWMLRREFLDEEED	126	
Acr00270	type II-C	QLFDKMPDK.....QKFKRI	CDEAIANWMLRREFLDEEED	126	
Acr00272	type II-C	QLSDKMPDK.....QKFKRI	CDEAIANWMLRREFLDEEED	126	
Acr00284	type II-C	AMFDKMPER.....QKLKQI	CDEAIANWMLRREFLEEGEGEDDEE	130	
Acr00285	type II-C	AMFDKMPDR.....QKLKKI	CDDAIANWMLRREFLEDEEDEDDEE	130	
Acr00263	type II-C	EFFDKLPEK.....AKLKKV	CDEAIANWMLRREFLDEEED	126	
Acr00268	type II-C	QLFDKLPDK.....AKLKKV	CDEAIANWMLRREFLDDEEED	127	
Acr00266	type II-C	QLFDKLPDK.....AKLKKV	CDEAIANWMLRREFLDDEEED	130	
Acr00264	type II-C	QMFDKLPEK.....SRLKKV	CDEAIKNWMLRREFLDDEEED	130	
Acr00265	type II-C	QLFDKLPDK.....GKLKKV	CDEAIANWMLRREFLDDEEED	130	
Acr00269	type II-C	QLFDKLPDK.....GKLKKV	CDEAIANWMLRREFLDDEEED	130	
Acr00275	type II-C	QLFDKLPDK.....GKLKNV	CDEAIANWMLRREFLDDEEED	130	
Acr00274	type II-C	QLFDKLPDK.....GKLKNV	CDEAIANWMLRREFLDDEEED	127	
Acr00261	type II-C	ELFDKVPEK.....QKLKKI	CDEAIENWMLRRDFLDSEEGEED	128	
Acr00260	type II-C	ELFDKVPEK.....QKLKKI	CDEAIENWMLRRDFLDSEEGEED	128	
Acr00259	type II-C	ELFDKVPEK.....QKLKKI	CDEAIENWMLRRDFLDSEEGEED	128	
Acr00248	type II-C	ELFDNLPDK.....NKLKKV	CDEAIENWMLRRDFLDSEEGEED	128	
Acr00267	type II-C	ELFDSLDPK.....NKLKKV	CDEAITNWMLRRDFLESEEEDEE	128	
Acr00273	type II-C	ELFDKLPRD.....QKLKKV	CDEAIRNWMLRRDFLDEEDDEE	127	
Acr00277	type II-C	ELFDKLPRD.....QKLKKV	CDEAIRNWMLRRDFLDEEDDEE	127	
Acr00286	type II-C	QLFDPPGDK.....GRLKKV	CDEAIRNWMLRRDFLDEDDDMAG	131	
Acr00243	type II-C	TLFDRVDSK.....AKLKKK	CDDAIADWMLRRDFLDSEPEDDEE	130	
Acr00244	type II-C	TLFDRVDSK.....AKLKKK	CDDAIADWMLRRDFLDSEPEDDEE	130	
Acr00245	type II-C	TLFDRVESK.....AKLKKK	CDDAIADWMLRRDFLDSEPEDDEE	130	
Acr00247	type II-C	TLFDRVESK.....AKLKKK	CDDAIADWMLRRDFLDSEPEDDEE	130	
Acr00246	type II-C	TLFDRVESK.....AKLKKK	CDDAIADWMLRRDFLDSEPEDDEE	130	
Acr00251	type II-C	TLFDRIDSK.....TKLKKK	CDDAIADWMLRRDFLDSEPEDDEE	130	
Acr00250	type II-C	TLFDRIDSK.....AKLKKK	CDDAIADWMLRRDFLDSEPEDDEE	130	
Acr00249	type II-C	TLFDRIDSK.....AKLKKK	CDDAIADWMLRRDFLDSEPEDDEE	130	
Acr00253	type II-C	TLFDKVDNK.....SKLKDA	CQAIADWMLRRDFLDSEPDDEED	130	
Acr00256	type II-C	TLFDKVDNK.....AKLKDA	CQAIADWMLRRDFLDSEPDDEED	131	
Acr00262	type II-C	TLFDKVDNK.....SKLKNA	CQAIADWMLRRDFLDSEPDDEED	131	
Acr00254	type II-C	TLFDKVDNK.....TKLKNA	CQAIADWMLRRDFLDSEPDDEED	131	
Acr00252	type II-C	TLFDKVDSK.....AKLKKK	CDEAIADWMLRRDFLDSEPDDEE	130	
Acr00257	type II-C	TLFDKVDSK.....AKLKNA	CDEAIADWMLRRDFLDSE.EDDEE	129	
Acr00255	type II-C	TLFDKVDSK.....AKLKNA	CDEAIADWMLRRDFLDSE.EDDEE	129	
Acr00258	type II-C	TLFDKVDSK.....AKLKKK	CDEAIADWMLRRDFLDSE.EDDEE	129	

 non conserved
 similar
 $\geq 50\%$ conserved