




	MDEIDDLSDLPMPRFIWGFALVSKSEVSHDEFEYLTHTRPFTCRVVELEDMPAEPEEDG	IDGRIVHDFPRMIFYITDAGMALVNFELF	
.....	MSKNNIFKKYP...IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VDGELGGIGEPRLRLAYDSRIGLWLSDFIML		82
.....	MSKNNIFKKYP...IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VDGELGGIGEPRLRLAYDSRIGLWLSDFIML		82
.....	MSKNNIFKKYP...IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VDGELGGIGEPRLRLAYDSRMGLWLSDFIML		82
.....	MSKNNIFKKYP...IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...IDGELGGIGEPRLRLAYDSRIGLWLSDFIML		82
.....	MSKNNIFKKYP...IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VNCELGGIGEPRLRLAYDSRLGLWLSDFIML		82
.....	MSKNNIFKKYPT...IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VNGELGGIGEPRLRLAYDSRMGLWLSDFIML		82
.....	MSKNNIFNKYPT...IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VNCELGGIGEPRLRLAYDSRLGLWLSDFIML		82
.....	SMSKNNIFNKYPT...IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VNCELGGIGEPRLRLAYDSRLGLWLSDFIML		83
.....	MASKNNIFNKYPT...IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VNCELGGIGEPRLRLAYDSRLGLWLSDFIML		83
.....	MSKNNIFNKYPT...IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGIPAKP...VNCELGGIGEPRLRLAYDSRLGLWLSDFIML		82
MAAFLKGFK	MSKNNIFNKYPT...IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGIPAKP...VNGELGGIGEPRLRLAYDSRLGLWLSDFIML		91
.....	MSKNNIFKKYP...IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VDGELGGIGEPRLRLAYDSRLGLWLSDFIML		82
.....	MSKNNIFKKYP...IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGIPAKP...IDGELGGIGEPRLRLAYDSRLGFWSDFIML		82
.....	MSKNNIFKKYP...IIHGEARGENDEFVVTCTYPRFLARKSFDDNFTGIPAKP...IDGELGGIGEPRLRLAYDSRIGLWLSDFIML		82
.....	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHTRAPRFTICRVVELEDMPAEPEEDG..DIDGRIVHFDPNPKRMFYITDLGLALMNFTLF		94
.....	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHTRAPRFTICRVVELEDMPAEPEEDG..DIDGRIVHFDPNPKRMFYITDLGLALMNFTLF		94
.....	MDEIDELSDLPTPRFIWGFAIAVTQSGEVSHDEFEYLTHTRAPRFTICRVVELEDLPAEPEEDG..DIDGRIVHFDPNPKRMFYITDLGLALMNFTLF		94
.....	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHTRAPRFTICRVVELEDLPAEPEEDG..DIDGRIVHFDPNPKRMFYITDLGLALMNFTLF		94
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.....	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHRTTTRFTICRVVELEDAPAEPEDEG..DIDGRIVHFDPNPKRMFYITDLGLALMNFTLF		94
.....	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHRTTTRFTICRVVELEDAPAEPEDEG..DIDGRIVHFDPNPKRMFYITDLGLALMNFTLF		94
.....	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHRTTTRFTICRVVELEDAPAEPEDEG..DIDGRIVHFDPNPKRMFYITDLGLALMNFTLF		94
.....	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHTRVPRTICRVVELEDAPAEPEDEG..DIDGRIVHFDPNPKRMFYITDLGLALMNFTLF		94
.....	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHTRAPRFTICRVVELEDAPAEPEEDA..GIDGRIVHFDPNPKRMFYITDLGLALMNFTLF		94
.....	MDEIDELSDLPTPRFIWGFAIAVTPSGEVSHDEFEYLTHTRSRTICRVVELEDMPAEPEEDG..DIDGRIVHFENPKRMFYITDLGLALMNFTLF		94
.....	MDEIDELSDLPTPRFIWGFAIDVTPSGEVSHDEFEYLTHTRSRTICRVVELEDMPAEPEEDG..DIDGRIVHFENPKRMFYITDLGLALMNFTLF		94
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.....	MDEIDDLSLPMMPRFIWGFAIATPKGGEVMHDEFEYLTHTRAPRFTICRVVELEDMPVDEESG...DIDGRIVHYDEPGRLFYISDAGIALVNFELF		93
.....	MDEIDDLSLPMMPRFIWGFAIATPKGGEVMHDEFEYLTHTRAPRFTICRVVELEDMPVDEESG...DIDGRIVHYDEPGRLFYISDAGIALVNFELF		93
.....	MDEIDDLSLPMMPRFIWGFAIATPKGGEVMHDEFEYLTHTRSRTICRVVELEDMPADSEESG...DIDGRIVHYDEPGRLFYITDAGIALVNFELF		93
.....	MDEIDDLSLPMMPRFIWGFAIATPKGGEVMHDEFEYLTHTRSRTICRVVELEDMPADSEESG...DIDGRIVHYDEPGRLFYITDAGIALVNFELF		93
.....	MDEIDDLSLPMMPRFIWGFAIATGKGGEVMHDEFEYLTHTRSRTICRVVELEDMPTESSDSD...DIDGRIVHYDDPARLFYITDAGMALVNFELF		93
.....	MDEIDDLSLPTPRFIWGFAITTGKGGEVMHDEFEYLTHTQA PRFS CRVVELEDMPADDEESDEVVDGRIVHFDDAARMFYITDIGMALVNFQLF		96
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.....	MDEIEDLSLPMMPRFIWGFAVIAGKGGEVMHDEFEYLTHTRSRTICRVVELEDMPAESEEDA...DIDGRIVHDDPSRMFYITDAGMALVNFQLF		93
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.....	MDEIEDLSLPMMPRFIWGFAVAAGRS GEVLHDEFEYLTHTRS RTICRVVELEDVPTDNDEGG...DIDGRIVHPDDPRRMFYITDAGMALVNFAMF		93
.....	MDEIEGLSLPMMPRFIWGFAVAAGR GDVLHDEFEYLTHRTT PRFTICRVVELEDVPSDNEEGD...DIDGRIVHPDDPRRMFYITDAGMALVNFAMF		93
.....	MDEIEDLSLPMMPRFIWGFAVVAGKGGEVMHDEFEYLTHTRSRTICRVVELEDVPADNGESG...DIDGRIVHYDEPDRLFYITDAGMALVNFQMF		96
.....	MDEIDDLSLPMMPRFIWGFAVVANKGGEIMHDEFEYLTHTRSRTICRVVELEDMPADSEESG...DIDGRIVHYDEPDRLFYITDAGMALVNFQMF		96
.....	MDELDELDDLSDLPMPRFIWGFAVVASKG DVT HDEFEYLTHTRS RTICRVVELEDMPADSEESG...DIDGRIVHYDEPDRLFYITDAGMALVNFQMF		96
.....	MDDMDEIDDLSLPMMPRFIWGFAITASKGGEVSHDEFEYLTHTN PRFS CRVVELEDV PADSEESG...DIDGRIVHHDEPDRLFYITDIGMALVNFQLF		96
.....	MDDMDEIDDLSLPMMPRFIWGFAVIANKG DVMHDEFEYLTHTRS RTICRVVELEDMPADSEESG...DIDGRIVHHDEPDRLFYITDIGMALVNFQLF		96
.....	MDDMDELDDLSDLPQPFIWGFAVIANKG DVMHDEFEYLTHTRS RTICRVVELEDMPADSEESG...DIDGRIVHHDEPDRLFYITDIGMALVNFQLF		96
.....	MDEIDDLSLPMMPRFIWGFAVIANKG DVMHDEFEYLTHTRS RTICRVVELEDMPADSEESG...DIDGRIVHHDDPRRMFYITDIGMALVNFQLF		93
.....	MDDMDEIDDLSLPMMPRFIWGFAVIANKG DVMHDEFEYLTHTRS RTICRVVELEDMPADSEESG...DIDGRI		

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Acr00240	type II-C	DKNKPENMEE	WLEQLKAACDRIAADDMLNEDAADLGDFDD	123
Acr00237	type II-C	DKNKPENMEE	WLEQLKAACDRIAADDMLNEDAADLGDLDD	123
Acr00238	type II-C	DKNKPENMEE	WLEQLKAACDRIAADDMLNEDAADLGDLDD	123
Acr00242	type II-C	DKNKPENMEE	WLEQLKAACDRIAADDMLNEDAADLGDFDD	123
Acr00236	type II-C	DKNKPENMEE	WLEQLKVA CDRIAADDMLNEDAADLEDLDD	123
Acr00235	type II-C	DNNKPENMEE	WLEQLKAA CDRIAADDMLNEDAADLEDLDD	123
Acr00231	type II-C	DNNKPKNMED	WLGQLKAA CDRIAADDMLNEDAADLEGWDD	123
Acr00287	type II-C	DNNKPKNMED	WLGQLKAA CDRIAADDMLNEDAADLEGWDD	124
Acr00288	type II-C	DNNKPKNMED	WLGQLKAA CDRIAADDMLNEDAADLEGWDD	124
Acr00233	type II-C	DNNKPESMED	WLGQLKAA CDRIAADDMLNEDAAALEGWDD	123
Acr00232	type II-C	DNNKPESMED	WLGQLKAA CDRIAADDMLNEDAAALEGWDD	132
Acr00234	type II-C	DNNKPENMED	WLGQLKAA CDRIAADDMLNEDAAALEGWDD	123
Acr00239	type II-C	DKNKPENMEE	WLEQLKAA CDRIAADDMLNEDAAALEGWDD	123
Acr00241	type II-C	DKNKPENMEE	WLEQLKAA CDRIAADDMLNEDAAALEGWDD	123
Acr00243	type II-C	DRVDSK	AKLKKACD DAIADWLTTRRDFLDSEPEDDEE	130
Acr00244	type II-C	DRVDSK	AKLKKACD DAIADWLTTRRDFLDSEPEDDEE	130
Acr00245	type II-C	DRVESK	AKLKKACD DAIADWLTTRRDFLDSEPEDDEE	130
Acr00247	type II-C	DRVESK	AKLKKACD DAIADWLTTRRDFLDSEPEDDEE	130
Acr00246	type II-C	DRVESK	AKLKKACD DAIADWLTTRRDFLDSEPEDDEE	130
Acr00251	type II-C	DRIDSK	TKLKKACD DAIADWLTTRREFLDSEPEDDEE	130
Acr00250	type II-C	DRIDSK	AKLKKACD DAIADWLTTRREFLDSEPEDDEE	130
Acr00249	type II-C	DRIDSK	AKLKKACD DAIADWLTTRREFLDSEPEDDEE	130
Acr00253	type II-C	DKVDNK	SKLKDACD QAIADWLTTRREFLDSEPDDDED	130
Acr00256	type II-C	DKVDNK	AKLKDACD QAIADWLTTRREFLDSEPDDDED	131
Acr00262	type II-C	DKVDNK	SKLKNACD QAIADWLTTRRDFLDSEPDDDED	131
Acr00254	type II-C	DKVDNK	TKLKNACD QAIADWLTTRREFLDSEPDDDED	131
Acr00252	type II-C	DKVDSK	AKLKKACD EAIADWLTARREFLDSEPDDDEE	130
Acr00255	type II-C	DKVDNK	AKLKNACD EAIADWLTTRRDFLDSE.EDDEE	129
Acr00257	type II-C	DKVDNK	AKLKNACD EAIADWLTTRRDFLDSE.EDDEE	129
Acr00258	type II-C	DKVDNK	AKLKKACD EAIADWLTTRRDFLDSE.EDDEE	129
Acr00260	type II-C	DKVPEK	QKLKKICD EAIENWMLRRDFLDSEEGEED	128
Acr00261	type II-C	DKVPEK	QKLKKICD EAIENWMLRRDFLDSEEGEED	128
Acr00259	type II-C	DKVPEK	QKLKKICD EAIENWMLRRDFLDSEEGEED	128
Acr00248	type II-C	DNLDPK	NKLKKVC D EAIENWMLRRDFLDSEEGEED	128
Acr00267	type II-C	DSLDPK	NKLKKVC D EAITNWMLRRDFLSEEEDEED	128
Acr00273	type II-C	DKLPDR	QKLKKVC D EAI RNWMLRRDFLDSEDDDED	127
Acr00277	type II-C	DKLPDR	QKLKKVC D EAI RNWMLRRDFLDSEDDDED	127
Acr00286	type II-C	DPPGDK	GRLKKVC D EAI RNWMLRRDFLDEDDDMAG	131
Acr00282	type II-C	DKMPDK	QKFKRIC D EAI ANWMLRRDFLDDEEED	126
Acr00280	type II-C	DKMPDK	QKFKRIC D EAI ANWMLRRDFLDDEEED	126
Acr00279	type II-C	DKMPDK	QKFKRIC D EAI ANWMLRRDFLDDEEED	126
Acr00278	type II-C	DKMPDK	QKFKRIC D EAI ANWMLRRDFLDDEEED	126
Acr00281	type II-C	DKMPDK	QKFKRIC D EAI ANWMLRRDFLDDEEED	125
Acr00283	type II-C	DRMPDK	QKFKRIC D EAI ANWMLRRDFLDDEEED	125
Acr00276	type II-C	DKMPDK	QKFKRIC D EAI ANWMLRRDFLDDEEED	126
Acr00271	type II-C	DKMPDK	QKLKRIC D EAI ANWMLRRDFLDDEEED	126
Acr00270	type II-C	DKMPDK	QKFKRIC D EAI ANWMLRRDFLDDEEED	126
Acr00272	type II-C	DKMPDK	QKFKRIC D EAI ANWMLRRDFLDDEEED	126
Acr00284	type II-C	DKMPER	QKLKQIC D DAI ANWMLRRDFLEEGEGEDDEE	130
Acr00285	type II-C	DKMPDR	QKLKKIC D DAI ANWMLRRDFLEDEEDEDDEE	130
Acr00263	type II-C	DKLPEK	AKLKKVC D EAI ANWMLRRDFLDDEEED	126
Acr00268	type II-C	DKLPDK	AKLKKVC D EAI ANWMLRRDFLDDEEED	127
Acr00266	type II-C	DKLPDK	AKLKKVC D EAI ANWMLRRDFLDDEEDGE	130
Acr00264	type II-C	DKLPEK	SRLKKVC D EAI KNWMLRRDFLDDEEED	130
Acr00269	type II-C	DKLPDK	GKLKKVC D EAI ANWMLRRDFLDDEEDEA	130
Acr00265	type II-C	DKLPDK	GKLKKVC D EAI ANWMLRRDFLDDEEDEA	130
Acr00274	type II-C	DKLPDK	GKLKNVC D EAI ANWMLRRDFLDDEEDEA	127
Acr00275	type II-C	DKLPDK	GKLKNVC D EAI ANWMLRRDFLDDEEDEA	130

 non conserved
 similar
 $\geq 50\%$ conserved