






Acr00004	type I-D	.....MKKKMFETLKNMINPVF.....ENSEIWEVDLIFSEEIELTEDEYKDLTKNADPLQEIIINDT...TGUNIIYTD..TYEWE.....	71
Acr00054	type I-D	.....MNYKELKDMLSPIF.....ENSELWEIDLVSPELEITEEEFKELIQNAILLQQVINN.....KIYSD..FYEWE.....	64
Acr00287	type II-C	.....MSKNNIFNKYPT.....IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VNDELGGIGEPRRLAYD.....	70
Acr00231	type II-C	.....MSKNNIFNKYPT.....IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VNDELGGIGEPRRLAYD.....	69
Acr00288	type II-C	.....MASKNNIFNKYPT.....IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VNDELGGIGEPRRLAYD.....	70
Acr00233	type II-C	.....MSKNNIFNKYPT.....IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGGIPAKP...VNDELGGIGEPRRLAYD.....	69
Acr00232	type II-C	MAAFLKGFKMSKNNIFNKYPT.....IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGGIPAKP...VNDELGGIGEPRRLAYD.....	78
Acr00234	type II-C	.....MSKNNIFKKYPP.....IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VDGELGGIGEPLRLAYD.....	69
Acr00239	type II-C	.....MSKNNIFKKYPP.....IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGGIPAKP...IDGELGGIGEPRRLAYD.....	69
Acr00241	type II-C	.....MSKNNIFKKYPP.....IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEIPAKP...IDGELGGIGEPLRLAYD.....	69
Acr00240	type II-C	.....MSKNNIFKKYPP.....IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VDGELGGIGEPLRLAYD.....	69
Acr00237	type II-C	.....MSKNNIFKKYPP.....IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VDGELGGIGEPLRLAYD.....	69
Acr00238	type II-C	.....MSKNNIFKKYPP.....IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VDGELGGIGEPLRLAYD.....	69
Acr00242	type II-C	.....MSKNNIFKKYPP.....IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEIPAKP...IDGELGGIGEPLRLAYD.....	69
Acr00236	type II-C	.....MSKNNIFKKYPP.....IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VNDELGGIGEPRRLAYD.....	69
Acr00235	type II-C	.....MSKNNIFKKYPT.....IIHGEARGENDEFVVHTRYPRFLARKSFDDNFTGEMPAKP...VNDELGGIGEPLRLAYD.....	69
Acr00245	type II-C	.....MDEIDELSDLPTRFIWGFAIAVTQSGEVSHDEFEYLTHTRAPRFTCRVVELEDLPAEPEEDG...DIDGRIVHFDNPKRMFYI.....	81
Acr00247	type II-C	.....MDEIDELSDLPTRFIWGFAIAVTPSGEVSHDEFEYLTHTRAPRFTCRVVELEDLPAEPEEDG...DIDGRIVHFDNPKRMFYI.....	81
Acr00246	type II-C	.....MDEIDELSDLPTRFIWGFAITVTPSGEVSHDEFEYLTHTRAPRFTCRVVELEDLPAEPEEDG...DIDGRIVHFDNPKRMFYI.....	81
Acr00244	type II-C	.....MDEIDELSDLPTRFIWGFAIAVTPSGEVSHDEFEYLTHTRAPRFTCRVVELEDMPAEPEEDG...DIDGRIVHFDNPKRMFYI.....	81
Acr00243	type II-C	.....MDEIDELSDLPTRFIWGFAIAVTPSGEVSHDEFEYLTHTRAPRFTCRVVELEDMPAEPEEDG...DIDGRIVHFDNPKRMFYI.....	81
Acr00250	type II-C	.....MDEIDELSDLPTRFIWGFAIAVSPSGEVSHDEFEYLTHTRAPRFTCRVVELEDMPAEPEEDG...DIDGRIVHFDNPKRMFYI.....	81
Acr00251	type II-C	.....MDEIDELSDLPTRFIWGFAIAVSPSGEVSHDEFEYLTHTRAPRFTCRVVELEDMPAEPEEDG...DIDGRIVHFDNPKRMFYI.....	81
Acr00249	type II-C	.....MDEIDELSDLPTRFIWGFAIAVSPSGEVSHDEFEYLTHTRAPRFTCRVVELEDMPAEPEEDG...DIDGRIVHFDNPKRMFYI.....	81
Acr00253	type II-C	.....MDEIDELSDLPTRFIWGFAIAVTPSGEVSHDEFEYLTHTRTPRFTCRVVELEDAPAEPEDEG...DIDGRIVHFDNPKRMFYI.....	81
Acr00256	type II-C	.....MDEIDELSDLPTRFIWGFAIAVTPSGEVSHDEFEYLTHTRTPRFTCRVVELEDAPAEPEDEG...DIDGRIVHFDNPKRMFYI.....	81
Acr00262	type II-C	.....MDEIDELSDLPTRFIWGFAIAVTPSGEVSHDEFEYLTHTRTPRFTCRVVELEDAPAEPEDEG...DIDGRIVHFDNPKRMFYI.....	81
Acr00254	type II-C	.....MDEIDELSDLPTRFIWGFAIAVTPSGEVSHDEFEYLTHTRVPRFTCRVVELEDAPAEPEDEG...DIDGRIVHFDNPKRMFYI.....	81
Acr00252	type II-C	.....MDEIDELSDLPTRFIWGFAIAVTPSGEVSHDEFEYLTHTRAPRFTCRVVELEDAPAEPEDDA...GIDGRIVHFDNPKRMFYI.....	81
Acr00255	type II-C	.....MDEIDELSDLPTRFIWGFAIAVTPSGEVSHDEFEYLTHTRSPRFTCRVVELEDMPAEPEDDG...DIDGRIVHFDNPKRMFYI.....	81
Acr00257	type II-C	.....MDEIDELSDLPTRFIWGFAIDVTPSGEVSHDEFEYLTHTRSPRFTCRVVELEDMPAEPEDDG...DIDGRIVHFENPKRMFYI.....	81
Acr00258	type II-C	.....MDEIDELSDLPTRFIWGFAIDVTPSGEVSHDEFEYLTHTRAPRFAACRVVELEDMPAEPEDDG...DIDGRIVHFENPKRMFYI.....	81
Acr00279	type II-C	.....MDEIEDLSLDPMPRFIWGFAVIAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDP SRMFYI.....	80
Acr00282	type II-C	.....MDEIEDLSLDPMPRFIWGFAVIAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDP SRMFYI.....	80
Acr00280	type II-C	.....MDEIEDLSLDPMPRFIWGFAVIAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDP SRMFYI.....	80
Acr00278	type II-C	.....MDEIEDLSLDPMPRFIWGFAVIAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDP SRMFYI.....	80
Acr00283	type II-C	.....MDEIEDLSLDPMPRFIWGFAVIAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHEDDP SRMFYI.....	80
Acr00281	type II-C	.....MDEIEDLSLDPMPRFIWGFAVIAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHEDDP SRMFYI.....	80
Acr00276	type II-C	.....MDEIEDLSLDPMPRFIWGFAVIAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHEDDP SRMFYI.....	80
Acr00271	type II-C	.....MDEIEDLSLDPMPRFIWGFAVIAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDP SRMFYI.....	80
Acr00270	type II-C	.....MDEIEDLSLDPMPRFIWGFAVIAGKSGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDP SRMFYI.....	80
Acr00272	type II-C	.....MDEIEDLSLDPMPRFIWGFAVIAGKSGEVMHDEFEYLTHTRSPRFTCRVVELEDMPAESEEDA...IDGRIVHDDDP SRMFYI.....	80
Acr00285	type II-C	.....MDEIEGLSDLPMPRFIWGFAVAAGRGDVLHDEFEYLTHTRTPRFTCRVVELEDVPSDNEEGD...IDGRIVHPDDPRRMFYI.....	80
Acr00284	type II-C	.....MDEIEDLSLDPMPRFIWGFAVAAGRSGEVLHDEFEYLTHTRSPRFTCRVVELEDVPTDNDEGG...IDGRIVHPDDPRRMFYI.....	80
Acr00263	type II-C	.....MDEIEDLSLDPMPRFIWGFAVAGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDVPAADNGEDD...IDGRIVHDDDP RLRFYI.....	80
Acr00268	type II-C	.....MDEIDDLSDLPMPRFIWGFAVVANKGGEIMHDEFEYLTHTRSPRFTCRVVELEDMPADSEESG...IDGRIVHYDEPRLFYI.....	80
Acr00266	type II-C	.....MDELDELDDLSDLPMPRFIWGFAVVASKGDVTHDEFEYLTHTRSPRFTCRVVELEDMPADSEESG...IDGRIVHYDEPRLFYI.....	83
Acr00264	type II-C	.....MDDMDEIDDLSDLPMPRFIWGFAITASKGGEVSHDEFEYLTHTHINPRFSCRVVELEDVPAADSEESG...IDGRIVHYDEPRLFYI.....	83
Acr00269	type II-C	.....MDDMDEIDDLSDLPMPRFIWGFAVIANKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPADSEDSG...IDGRIVHDDDPDRMFYI.....	83
Acr00265	type II-C	.....MDDMDELDDLSDLPMPRFIWGFAVIANKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPADSEDSG...IDGRIVHDDDPDRMFYI.....	83
Acr00275	type II-C	.....MDDMDEIDDLSDLPMPRFIWGFAVIANKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPADSEDSG...IDGRIVHDDDPDRMFYI.....	83
Acr00274	type II-C	.....MDEIDDLSDLPMPRFIWGFAVIANKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPADSEDSG...IDGRIVHDDDPDRMFYI.....	80
Acr00273	type II-C	.....MDEIDDLSDLPMPRFIWGFAIATGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPTESEDES...IDGRIVHYDDPARLFYI.....	80
Acr00277	type II-C	.....MDEIDDLSDLPMPRFIWGFAIATGKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPTESDSD...IDGRIVHYDDPARLFYI.....	80
Acr00267	type II-C	.....MDEIDDLSDLPMPRFIWGFAIFTPKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPADSEENG...IDGRIVHYDEPGRLFYI.....	80
Acr00248	type II-C	.....MDEIDDLSDLPMPRFIWGFAIFTPKGGEVMHDEFEYLTHTRSPRFTCRVVELEDMPADSEESG...IDGRIVHYDEPGRLFYI.....	80
Acr00260	type II-C	.....MDEIDDLSDLPMPRFIWGFAIFTPKGGEVMHDEFEYLTHTRAPRFTCRVVELEDMPVDSEESG...IDGRIVHYDEPGRLFYI.....	80
Acr00261	type II-C	.....MDEIDDLSDLPMPRFIWGFAIFTPKGGEVMHDEFEYLTHTRAPRFTCRVVELEDMPVDSEETG...IDGRIVHYDEPGRLFYI.....	80

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			TDGLALNFELEDFKMPDKLKKACDEAIANWMLLRREFLDSEEDDD	
Acr00004	type I-D	.....	FNNQYLELEIDYYR.....	QNDKIYLLLELHFWRKVKK..... 103
Acr00054	type I-D	.....	FENQYKLQVKYK.....	DTEKIYLRRELYFWREVKK..... 96
Acr00287	type II-C	.....	SRLGLWLSDFIMLDNNKPKNMEDWLGG	LKAAACDRIAADDMLNEDAADLEGWDD.. 124
Acr00231	type II-C	.....	SRLGLWLSDFIMLDNNKPKNMEDWLGG	LKAAACDRIAADDMLNEDAADLEGWDD.. 123
Acr00288	type II-C	.....	SRLGLWLSDFIMLDNNKPKNMEDWLGG	LKAAACDRIAADDMLNEDAADLEGWDD.. 124
Acr00233	type II-C	.....	SRLGLWLSDFIMLDNNKPKNMEDWLGG	LKAAACDRIAADDMLNEDAAALEGWDD.. 123
Acr00232	type II-C	.....	SRLGLWLSDFIMLDNNKPKNMEDWLGG	LKAAACDRIAADDMLNEDAAALEGWDD.. 132
Acr00234	type II-C	.....	SRLGLWLSDFIMLDNNKPKNMEDWLGG	LKAAACDRIAADDMLNEDAAALEGWDD.. 123
Acr00239	type II-C	.....	SRLGFWLSDFIMLDNNKPKNMEDWLGG	LKAAACDRIAADDMLNEDAAALEGWDD.. 123
Acr00241	type II-C	.....	SRIGLWLSDFIMLDNNKPKNMEDWLGG	LKAAACDRIAADDMLNEDAAALEGWDD.. 123
Acr00240	type II-C	.....	SRIGLWLSDFIMLDNNKPKNMEDWLGG	LKAAACDRIAADDMLNEDAADLGDFDD.. 123
Acr00237	type II-C	.....	SRIGLWLSDFIMLDNNKPKNMEDWLGG	LKAAACDRIAADDMLNEDAADLGDLDD.. 123
Acr00238	type II-C	.....	SRMGLWLSDFIMLDNNKPKNMEDWLGG	LKAAACDRIAADDMLNEDAADLGDLDD.. 123
Acr00242	type II-C	.....	SRIGLWLSDFIMLDNNKPKNMEDWLGG	LKAAACDRIAADDMLNEDAADLGDFDD.. 123
Acr00236	type II-C	.....	SRLGLWLSDFIMLDNNKPKNMEDWLGG	LKVAACDRIAADDMLNEDAADLEDLDD.. 123
Acr00235	type II-C	.....	SRMGLWLSDFIMLDNNKPKNMEDWLGG	LKAAACDRIAADDMLNEDAADLEDLDD.. 123
Acr00245	type II-C	.....	TDGLALMNFTLFDRVESK.....	AKLKKACDDAIADWLTRRDFLDSEPEDDEE.. 130
Acr00247	type II-C	.....	TDGLALMNFTLFDRVESK.....	AKLKKACDDAIADWLTRRDFLDSEPEDDEE.. 130
Acr00246	type II-C	.....	TDGLALMNFTLFDRVESK.....	AKLKKACDDAIADWLTRRDFLDSEPEDDEE.. 130
Acr00244	type II-C	.....	TDGLALMNFTLFDRVDSK.....	AKLKKACDDAIADWLTRRDFLDSEPEDDEE.. 130
Acr00243	type II-C	.....	TDGLALMNFTLFDRVDSK.....	AKLKKACDDAIADWLTRRDFLDSEPEDDEE.. 130
Acr00250	type II-C	.....	TDGLALMNFTLFDRIIDSK.....	AKLKKACDDAIADWLTRREFLDSEPEDDEE.. 130
Acr00251	type II-C	.....	TDGLALMNFTLFDRIIDSK.....	TKLKKACDDAIADWLTRREFLDSEPEDDEE.. 130
Acr00249	type II-C	.....	TDGLALMNFTLFDRIIDSK.....	AKLKKACDDAIADWLTRREFLDSEPEDDEE.. 130
Acr00253	type II-C	.....	TDGLALMNFTLFDKVDNK.....	SKLKDACDQAIADWLTRREFLDSEPDDDED.. 130
Acr00256	type II-C	.....	TDGLALMNFTLFDKVDNK.....	AKLKDACDQAIADWLTRREFLDSEPDDDED.. 131
Acr00262	type II-C	.....	TDGLALMNFTLFDKVDNK.....	SKLKDACDQAIADWLTRRDFLDSEPDDDED.. 131
Acr00254	type II-C	.....	TDGLALMNFTLFDKVDNK.....	TKLKDACDQAIADWLTRREFLDSEPDDDED.. 131
Acr00252	type II-C	.....	TDGLALMNFTLFDKVDNK.....	AKLKKACDEAIADWLARREFLDSEPDDDEE.. 130
Acr00255	type II-C	.....	TDGLALMNFTLFDKVDNK.....	AKLKDACDEAIADWLTRRDFLDSE.EDDEE.. 129
Acr00257	type II-C	.....	TDGLALMNFTLFDKVDNK.....	AKLKDACDEAIADWLTRRDFLDSE.EDDEE.. 129
Acr00258	type II-C	.....	TDGLALMNFTLFDKVDNK.....	AKLKDACDEAIADWLTRRDFLDSE.EDDEE.. 129
Acr00279	type II-C	.....	TDAGMALVNFQLFDKMPDK.....	QKFKRICDEAIANWMLRREFLDDEEED... 126
Acr00282	type II-C	.....	TDAGMALVNFHLFDKMPDK.....	QKFKRICDEAIANWMLRREFLDDEEED... 126
Acr00280	type II-C	.....	TDAGMALVNFHLFDKMPDK.....	QKFKRICDEAIANWMLRREFLDDEEED... 126
Acr00278	type II-C	.....	TDAGMALVNFQLFDKMPDK.....	QKFKRICDEAIANWMLRREFLDDEEED... 126
Acr00283	type II-C	.....	TDAGMALVNFQLFDKMPDK.....	QKFKRICDEAIANWMLRREFLDDEEED... 125
Acr00281	type II-C	.....	TDAGMALVNFQLFDKMPDK.....	QKFKRICDEAIANWMLRREFLDDEEED... 125
Acr00276	type II-C	.....	TDAGMALVNFQLFDKMPDK.....	QKFKRICDEAIANWMLRREFLDDEEED... 126
Acr00271	type II-C	.....	TDAGMALVNFQLFDKMPDK.....	QKFKRICDEAIANWMLRREFLDDEEED... 126
Acr00270	type II-C	.....	TDAGMALVNFQLFDKMPDK.....	QKFKRICDEAIANWMLRREFLDDEEED... 126
Acr00272	type II-C	.....	TDAGMALVNFQLFDKMPDK.....	QKFKRICDEAIANWMLRREFLDDEEED... 126
Acr00285	type II-C	.....	TDAGMALVNFQFDFKMPDR.....	QKFKRICDEAIANWMLRREFLEDEEEDDEE.. 130
Acr00284	type II-C	.....	TDAGMALVNFQFDFKMPDR.....	QKFKRICDEAIANWMLRREFLEDEEEDDEE.. 130
Acr00263	type II-C	.....	TDAGMALVNFQFDFKMPDR.....	QKFKRICDEAIANWMLRREFLEDEEEDDEE.. 126
Acr00268	type II-C	.....	TDAGMALVNFQFDFKMPDR.....	QKFKRICDEAIANWMLRREFLEDEEEDDEE.. 127
Acr00266	type II-C	.....	TDAGMALVNFQFDFKMPDR.....	QKFKRICDEAIANWMLRREFLEDEEEDDEE.. 130
Acr00264	type II-C	.....	TDAGMALVNFQFDFKMPDR.....	QKFKRICDEAIANWMLRREFLEDEEEDDEE.. 130
Acr00269	type II-C	.....	TDAGMALVNFQFDFKMPDR.....	QKFKRICDEAIANWMLRREFLEDEEEDDEE.. 130
Acr00265	type II-C	.....	TDAGMALVNFQFDFKMPDR.....	QKFKRICDEAIANWMLRREFLEDEEEDDEE.. 130
Acr00275	type II-C	.....	TDAGMALVNFQFDFKMPDR.....	QKFKRICDEAIANWMLRREFLEDEEEDDEE.. 130
Acr00274	type II-C	.....	TDAGMALVNFQFDFKMPDR.....	QKFKRICDEAIANWMLRREFLEDEEEDDEE.. 127
Acr00273	type II-C	.....	TDAGMALVNFQFDFKMPDR.....	QKFKRICDEAIANWMLRREFLEDEEEDDEE.. 127
Acr00277	type II-C	.....	TDAGMALVNFQFDFKMPDR.....	QKFKRICDEAIANWMLRREFLEDEEEDDEE.. 127
Acr00267	type II-C	.....	TDAGMALVNFQFDFKMPDR.....	QKFKRICDEAIANWMLRREFLEDEEEDDEE.. 128
Acr00248	type II-C	.....	TDAGMALVNFQFDFKMPDR.....	QKFKRICDEAIANWMLRREFLEDEEEDDEE.. 128
Acr00260	type II-C	.....	SDAGIALVNFQFDFKMPDR.....	QKFKRICDEAIANWMLRREFLEDEEEDDEE.. 128
Acr00261	type II-C	.....	SDAGIALVNFQFDFKMPDR.....	QKFKRICDEAIANWMLRREFLEDEEEDDEE.. 128

 non conserved  
 similar  
  $\geq 50\%$  conserved