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NTDB id 1402 DSB67 RS12670 WP 010643257.1	.MKTII.....	APQLKNYRWKGINSSGKK.TSGNVLAMTEIEVRRERLDAQHIKIKKKLKKGSISFITK.ISHRVVKGKDITI	71
NTDB id 408355 GPY06 RS10215 WP 158120003.1	MKATK.....	HVALKNYRWKGINSGKK.VSGQMLALNELEVDRDKLKEQHIQIKKKLKKGSVSLLSR.LTHR.VKTKDITI	72
NTDB id 1169 A1552VC RS11075 WP 000648511.1	MKATQ.....	TLPLKNYRWKGINSGKK.VSGQMLAISEIEVDRDKLKDQHIQIKKKLKKGSVSLLAR.LTHR.VKSKDITI	72
NTDB id 1112 NGFG RS09215 WP 003689811.1	.MAKNGGFSLF	AKKEKRFI FEGRHSASDKLVNGEVS AFTEEEARKKLA KRGI RPLQITRV.....KTSSKRKITQEDITV	74
NTDB id 1113 AAA85695.1 219..1451()	.MAKNGGFSLF	AKKEKRFI FEGRHSASDKLVNGEVS AFTEEEARKKLA KRGI RPLQITRV.....KTSSKRKITQEDITV	74
NTDB id 1252 GC085 RS07730 WP 011213805.1	.MDKN.....	SPPLILTFHYQGINKAGQK.MEGDIQARSLAIAKADLRKQGIVTNKVVKKKRPLFDR.KNKKITQADITV	71
NTDB id 1198 PSJM300 03950 AFN76868.1	.MAQK.....	AIKNSVFTWEGLD RQGAK.IKGELSGVSPALVKAQLRKQGINPQKVRKKKSISLFS..AGKKIKPMDIAL	70
NTDB id 1016 ACIAD RS01680 WP 004920476.1	MAAKK.....	TQVMPVFAYEGVDRKGIK.LKGELPARNMALAKVTLRKQGITIRTIREKRKNIFEGLLKKVKPLDIAI	73
NTDB id 1059 ABD1 RS01610 WP 000279215.1	MAVKK.....	AQMMPTFAYEGVDRKGVK.IKGELPAKNMALAKVTLRKQGITVRNIREKRKNILEGLFKKKVVTLDITI	73
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NTDB id 1402 DSB67 RS12670 WP 010643257.1	FTRQLATM	KA GVP L V Q A F E I V A E G H N P M K S L M S I K V E A G T T S A L R K P Y F D L Y C N L V E G E S G L E I M	151
NTDB id 408355 GPY06 RS10215 WP 158120003.1	LTRQLATMLTT	GVPIVQALKLVSENHKKAE M K S I L M S V T R A V E A G T P M S K A M R T A S T H F D P L Y T D L I A T G E Q S G N L S Q V F	152
NTDB id 1169 A1552VC RS11075 WP 000648511.1	LTRQLATMLTT	GVPIVQALKLVGDNRHKAEMK S I L A Q I T K G V E A G T P L S K A M R T A S P H F D A L Y V D L V E T G E M S G N L P E V F	152
NTDB id 1112 NGFG RS09215 WP 003689811.1	FTRQLSTMIKAGL	PLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDRFYCNLVAAAGETGGVLESLL	154
NTDB id 1113 AAA85695.1 219..1451()	FTRQLSTMINAGL	PLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDRFYCNLVAAAGETGGVLESLL	154
NTDB id 1252 GC085 RS07730 WP 011213805.1	FTRQLATMIESG	IPLVQAFDIVAKGQSNKRLKDLIETIKHD IETGLTLAESLIKHPLYFNE LFCNLVDAGEKSGSLDIML	151
NTDB id 1198 PSJM300 03950 AFN76868.1	FTRQMATMMKAG	VPLQSF D I I G E G F D N P N M R K L V D D L K Q E V A A G N S F A S S L R K K P Q Y F D D L Y C N L V D S G E Q S G S L E T L L	150
NTDB id 1016 ACIAD RS01680 WP 004920476.1	FTRQLATMMKAG	VPLVQAFEIVAEGLENPAMRDVVLGLKNEVEGGNTFAGALRKYPQYFDNLFCSLIESGEQSGSLEIML	153
NTDB id 1059 ABD1 RS01610 WP 000279215.1	FTRQLATMMKAG	VPLVQGF E I V A E G L E N P A M R E V V L G I K G E V E G G S T F A S A L R K Y P Q H F D N L F C S L V E S G E Q S G A L E T M L	153
consensus	***!!!!!!*	*!!!!!!***** ** ***** ** *****!!!!!!***** * *!! * * * *!!!!!!*!! *!! **	

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NTDB id 1402 DSB67 RS12670 WP 010643257.1	ERLATYREKSEQ	LRAKVIKALIYPAMVVVLVALGVSYLMLTRV IPEFEKMF TGF GADLP AFTQMVLNLSAWTQNWGPFGIGL	231
NTDB id 408355 GPY06 RS10215 WP 158120003.1	ERLATYREKSEQ	LRAKVIKALIYPSMVVLVALGVSYLMLTMV IPEFESMF KGF GAELPWFTQQVLKLSHWVQAYSLWVLF	232
NTDB id 1169 A1552VC RS11075 WP 000648511.1	ERLATYREKSEQ	LRAKVIKALIYPSMVVLVALGVSYLMLTMV IPEFESMF KGF GAELPWFTQQVLKLSHWVQAYSLWAFI	232
NTDB id 1112 NGFG RS09215 WP 003689811.1	DKLAIYKEKTQA	IRKKVKLTALTYPVSVI A V A I G L V F V M M I F V L P A F K E V Y A N M G A E L P L T Q T V M D M S D F F V S Y G W M V L I	234
NTDB id 1113 AAA85695.1 219..1451()	DKLAIYKEKTQA	IRKKVKLTALTYPVSVI A V A I G L V F V M M I F V L P A F K E V Y A N M G A E L P L T Q T V M D M S D F F V S Y G W M V L I	234
NTDB id 1252 GC085 RS07730 WP 011213805.1	DKVATYKEKIEI	IKKKIKKALTYP I A V M V V A L L V T A G L L I Y V V P Q F E S L F K G F G A D L P A M T R A V I T M S E F M Q A Y W Y I I F G	231
NTDB id 1198 PSJM300 03950 AFN76868.1	DRVATYKEKTEA	LKAKIKKAMNYP I A V V L V A V I V T A I L L I K V V P Q F Q D V F A N F G A E L P A F T L M V I G L S E A L Q A W V V V L A	230
NTDB id 1016 ACIAD RS01680 WP 004920476.1	DRVAVYKEKSEV	LKKIKKAMKYPATVIVVAIVVTIILMVKVVPVFKDLFTSFGADLP AFTQLV V N M S N W M Q D Y W F I L I L	233
NTDB id 1059 ABD1 RS01610 WP 000279215.1	DRVAIYKEKSEL	LKKIKKAMKYPATVIVVAIVVTIILMVKVVPVFKDLFASFGADLP AFTQM V N M S K W M Q E Y W F I M I I	233
consensus	*****!!!!!!* **	!!!!!!*!! *!!!!!!*****!!!!!! *!! * * * *!!!!!!***** *!! *!! * * * *!!!!!!*!!!!!!	

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NTDB id 1402 DSB67 RS12670 WP 010643257.1	SFVSL	LISGKIMSQRSDSFRLLAARSSLRVPILGPVLSKAAIAKFSRTLATSFSAGIPILTALKTTSKTSGNMHYQLAIE	311
NTDB id 408355 GPY06 RS10215 WP 158120003.1	ALGAALFGLKTL	LRKNSLQIRLKT SRLGLRFP IIGSVLAKASIAKFSRTLATSFAAGIPILASLKT TAKTSGNVHFETAIN	312
NTDB id 1169 A1552VC RS11075 WP 000648511.1	AIAAAIFGLKAL	RKNSFQIRLKT SRLGLKFP IIGNVLAKASIAKFSRTLATSFAAGIPILASLKT TAKTSGNVHFETAIN	312
NTDB id 1112 NGFG RS09215 WP 003689811.1	ALGFAIYGLFLK	KARSIKIQRMDAILRMPIFGDIVRKGTIARWGRTTATLFAAGVPLVDVLDSTAGAAGNLIYEATR	314
NTDB id 1113 AAA85695.1 219..1451()	ALGFAIYRFLKL	KARSIKIQRMDAILRMPIFGDIVRKGTIARWGRTTATLFAAGVPLVDVLDSTAGAAGNLIYEATR	314
NTDB id 1252 GC085 RS07730 WP 011213805.1	ALGGVVSFFYAK	NHSLEFAQTIDRVMLKL P V I G P I L E K A A I A R F A R T L S I T F A A G L P L V E A L K S V A G A T G N I I Y A K A T D	311
NTDB id 1198 PSJM300 03950 AFN76868.1	FGVGAAYAFKQA	HTRSEKFRNWFDRI MLKVPVVG D I L Y K S S V A R F A R T L S T T F A A G V P L V D A L D S V A G A T G N V V F R S A T N	310
NTDB id 1016 ACIAD RS01680 WP 004920476.1	VIGAATAGFLEA	RKRSKFRDQLDRLVLRLP I V G D L V Y K A I I A R Y S R T L A T T F A A G V P L I D A L A S T A G A T N N T V Y E Q A V L	313
NTDB id 1059 ABD1 RS01610 WP 000279215.1	AIGAVIAAFLEA	KRKRKFRDGLDKLALKL P I F G D L V Y K A I I A R Y S R T L A T T F A A G V P L I D A L E S T A G A T N N V I Y E K A V M	313
consensus	*****	** *!! *** *****!!!!!!*****!!!!!!*****!!!!!!*****!!!!!!*****!!!!!!*****!!!!!!	

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NTDB id 408355 GPY06 RS10215 WP 158120003.1
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consensus

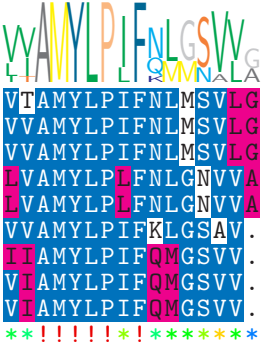


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NTDB id 1059 ABD1 RS01610 WP 000279215.1
consensus



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☒ non conserved
☒ similar
☒ ≥ 50% conserved