

NTDB id	1323	RAOC RS07335 WP 004916218.1	.MLVVKVYGS A IHGVSAQTITTEVNVDQGV.GYHLVLGLPDNATKESSHRISAAIKNVGYKLPGKKITINMAPADLRKEGSA	78
NTDB id	1271	LPP RS03220 WP 011213198.1	MSLAFTKTRSTIGTIVAQPVSVVEVHSNGLPSTFMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG	80
NTDB id	1248	GC085 RS03150 WP 011213198.1	MSLAFTKTRSTIGTIVAQPVSVVEVHSNGLPSTFMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG	80
NTDB id	1034430	ABX940 RS24200 WP 020077608.1	MSLAITYRRAALGVSAPLITTEVVHISNGLPGLTMVGLPETTVKEARDVRSAIINSGYSPFAKKITINLAPADLPKEGGR	80
NTDB id	1397	DSB67 RS15690 WP 005535577.1	MGLAIITHSRASVGVQA P SVSVEVHISNGMPGGFTLVGLPETTVKESKDRVRSAIVNSNFQFPAKRITVNLAPADLPKEGGR	80
NTDB id	1153	A1552VC RS00115 WP 000521788.1	MGLAIITHSRASIGVQA P PTVEVHISNGMPGGFTLVGLPETTVKESRDVRSAIINSRFEFPAKRITVNLAPADLPKEGGR	80
NTDB id	1349	HI 1117 AAC22771.1	MSLAIVYSRASMGVQA P PLVTIEVHLSNGKPGGFTLVGLPEKTVKEAQDVRVSALMNAQFKYPARRITVNLAPADLPKEGGR	80
NTDB id	1387	A4U84 RS06900 WP 020457569.1	MSLAIIYSRASIGVQA P PLVTIEVHISGGSPGLTLVGLPEKS V KEAQDVRVSALMNANFDYPARRITINLAPADLPKEGGR	80
consensus			*?*****!*****!!*?*****!*?*****!*****!*****!*****!*****!*****!	

NTDB id	1323	RAOC RS07335 WP 004916218.1	YDLSTALGILAASGGTIIAPEIERVYLIMGELSLDGGGLQPIKGVLPATIRAREEGFGKITLPKQNTREAAIVNDLEVVGVEN	158
NTDB id	1271	LPP RS03220 WP 011213198.1	FDPILPALGILAASEQIPLTNLANHEFIGELALSSELGRVSAITIPAVLAHKD.NQHLLIANANAAEASLTGHQKVFTANN	159
NTDB id	1248	GC085 RS03150 WP 011213198.1	FDPILPALGILAASEQIPLTNLANHEFIGELALSSELGRVSAITIPAVLAHKD.NQHLLIANANAAEASLTGHQKVFTANN	159
NTDB id	1034430	ABX940 RS24200 WP 020077608.1	YDLPALIALVASQQIAAPKLNQYEFIGELALTGALRGVPGCATSSAMEAIKV.GRQLIVVAGDNAEEVLINGNECLIAH	159
NTDB id	1397	DSB67 RS15690 WP 005535577.1	FDPILPALGILAASEQIATDKLKNYEFVIGELALSGGLRTVKGVLPAAALAANKK.QRHLLVPHANGDQAALVGKEQHKSACS	159
NTDB id	1153	A1552VC RS00115 WP 000521788.1	FDPILPALGILAASDQIARNKLESYEFIGELALTGALRGVKGVLPAALAANKV.ERCLVVPHNSCDQAALVGVERHKSACS	159
NTDB id	1349	HI 1117 AAC22771.1	FDPILPALGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVPAILAQAQS.KRELTIKQNANEASLVSDQNTYFAQT	159
NTDB id	1387	A4U84 RS06900 WP 020457569.1	FDPILPALGILAASQIDSDSKLKRIELLGELSLTGHLRGVHGAIPTAVLAASKA.KRETIIVPQQNANEASLVSNVTQTYCAST	159
consensus			*!!*!!**!*!!*!*	* * * * *

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NTDB id 1323 RAOC RS07335 WP 004916218.1	LREPLESGEIIISRAAKIIFPAFQLYAAMNPSPTC	397
NTDB id 1271 LPP RS03220 WP 011213198.1	MRQPLEDRVITISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYRLNKLSGPLLDRIDITHIEVQKVVEFD	394
NTDB id 1248 GC085 RS03150 WP 011213198.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNSSQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	394
NTDB id 1034430 AB9X40 RS24200 WP 020077608.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNSSQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	391
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LREPESGKIHLSTRAKIDYPARFQLIAAMNPSPTGHHYQQGHN..RATPEQTLRYLGRLSGPFLLDRFDLSLEIPLPPPG	392
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LREPLESGEIIISRAAQKTRFPAFQIVGALNPSPTGYYEGNQA..RTNPQATILRYLGRLSGPLLDRFDMSLEIPALPKG	392
NTDB id 1349 HI 1117 AAC22771.1	LREPLESGEIVISRAAQKTRFPAFQIVGALNPSPTGYYEGSSQA..RANPQSILRYLSRLSGPLLDRFDMSIEIPALPKG	396
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LRQPLESGEIIISRANAKIQFPAFQLYAAMNPSPTGHHYTGTHN..RTSPQQIMRYLNRLSGPFLLDRFDLSIEVPLLPQG	395
consensus	*!***** *!* ** *!!!!*****!!!!!! * ** * ** *!!!! *!!!!*!!!!!!*!!!!***** ** *	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	Q L S D . . K R K G E S S E I T R Q R V L K A R E I Q Q E R Y Q D L A I S Y N A Q M G P K E I E H F C E L D E V S L L I T K N A M E K L N L S A R A Y D R I L K	475
NTDB id 1271 LPP RS03220 WP 011213198.1	ELIKPNTHLEKQSLAIREKVTMKEIIMARQD...SLNANLNSKTCEMVCELGSEEQLFLREVMSKLLKLSARGYHRLIK	470
NTDB id 1248 GC085 RS03150 WP 011213198.1	ELIKPNTHLEKQSLAIREKVTMKEIIMARQD...SLNANLNSKTCEMVCELGSEEQLFLREVMSKLLKLSARGYHRLIK	470
NTDB id 1034430 AB9X40 RS24200 WP 020077608.1	VLSRG.GVGEERSATIRLRVFAARDRLARQN...KLNALQDLSGEIKVWCKLKEDDAIWLEQTLSSLGLSTRWQRLIK	466
NTDB id 1397 DSB67 RS15690 WP 005535577.1	TLSEG.GDRGEPTAIVKERVNQARDCLARSG...KVNALLGSREIEAFCLPKQSDAEFLENALHRLGLSIRAYHRIK	467
NTDB id 1153 A1552VC RS00115 WP 000521788.1	TLANG.GDRGESTAAVRQRVWVARERMLARSG...KVNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRIK	467
NTDB id 1349 HI 1117 AAC22771.1	SLQNT.GDRGETSAQVREKVLKVREIQMERAG...KINAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYHRILK	471
NTDB id 1387 A4U84 RS06900 WP 020457569.1	ALQNNTDQRGETTEQARKRVLEARHLQFNRRG...KINAQLTKEIEQDCKLTDRDAFLFLENALTKLGLSVRAYHRILK	471
consensus	! *** * * * * ! * * * * * ! * * ! ! * * * * * ! ! * * * * * * * * ! * ! * ! * ! * ! * ! * ! * !	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	VSRTIADLERETNIQSHHIAEAIQYRSIDRDFWKV.....	510
NTDB id 1271 LPP RS03220 WP 011213198.1	VSRTIADMNSSKKVLLNHLQQAISYKQNLHLPK.....	503
NTDB id 1248 GC085 RS03150 WP 011213198.1	VSRTIADMNSSKKVLLNHLQQAISYKQNLHLPK.....	503
NTDB id 1034430 AB9X40 RS24200 WP 020077608.1	VARTIADLNEDRDIERHHLQEALSYRAIDRMLNHLQTLMA	506
NTDB id 1397 DSB67 RS15690 WP 005535577.1	VARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV	507
NTDB id 1153 A1552VC RS00115 WP 000521788.1	VARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV	507
NTDB id 1349 HI 1117 AAC22771.1	VSRTIADLQGEQQIFQPHLAEALGYRAMVRLKQLSNM..	509
NTDB id 1387 A4U84 RS06900 WP 020457569.1	VSRTIADLAGEAQIQPHLAEALGYRAMDRLLQRLQGES.	510
consensus	! * ! ! ! ! ! * * * * ! * * * * ! * * * * * *	

- X non conserved
- X similar
- X ≥ 50% conserved