

NTDB id	1323 RAOC RS07335 WP 004916218.1	.MLVVKYVGSAIHGVSAQTITTEVNVDQGV.GYHLVLGLPDNAIKESSHRISAAAKNVGYKLPGKKKITINMAPADLRKEGSA	78
NTDB id	1271 LPP RS03220 WP 011213198.1	MSLAFTKTRSTIGTIVAQPVSVVEVH.SNGLPSFTMVGLAETAVKESKDVRVSAIINSQFEFPCRKITVNLGPANLPKTGS	80
NTDB id	1248 GC085 RS03150 WP 011213198.1	MSLAFTKTRSTIGTIVAQPVSVVEVH.SNGLPSEFTMVGLAETAVKESKDVRVSAIINSQFEFPCRKITVNLGPANLPKTGS	80
NTDB id	1040683 ACDI91 RS23065 WP 002883134.1	MSLAIITYRAALGLEAPLITVEVHLSNGLPGLTMVGLPETTVKEARDVRVSALINSGYAFPAKKITINLAPADLPKEGGR	80
NTDB id	1397 DSB67 RS15690 WP 005535577.1	MGLAIITHSRASVGVQAAPSVSVEVHLSNGMPGFLLVGLPETTVKESKDVRVSAIVNSNFQFPKRITVNLAPADLPKEGGR	80
NTDB id	1153 A1552VC RS00115 WP 000521788.1	MGLAIITHSRASIGVQAAPPVTVEVHLSNGMPGFLLVGLPETTVKESRDVRVSAIINSRFEFPAKRITVNLAPADLPKEGGR	80
NTDB id	1349 HI 1117 AAC22771.1	MSLAIIVYSRASMGVQAPLVITEVHLSNGKPGFLLVGLPEKTVKEAQDVRVSALMNAQFKYPARRITVNLAPADLPKEGGR	80
NTDB id	1387 A4U84 RS06900 WP 020457569.1	MSLAIIVYSRASIGVQAPLVITEVHLSGGSPGLTLVGLPEKS VKEAQDVRVSALMNANFDYPARRITVNLAPADLPKEGGR	80
consensus		*?*?***?*****!?!*!*?*****!!*??*!*!!!!!!!*!*?*****!!*????*!?!*!!!!*!*	

[illegible][illegible][illegible]

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NTDB id 1323 RAOC RS07335 WP 004916218.1	LREPLESGEIIISRAAKIIFPAFQLYAAMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDITHIEVQKVVEFD	397
NTDB id 1271 LPP RS03220 WP 011213198.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNSSQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	394
NTDB id 1248 GC085 RS03150 WP 011213198.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNSSQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	394
NTDB id 1040683 ACDI91 RS23065 WP 002883134.1	LREPIESGKIHSISRAKIDYPARFQLIAAMNPSPSGHYQGKHNR..ASPEQTLRYLGRLSGPFLLDRFDLSLEIPLPPPG	391
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LREPLESGEIIISRAQKTRFPAFQIVGALNPSPSGHYEGNQAR..TNPQATILRYLGRLSGPLLDRFDMSLEIPALPKG	392
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LREPLESGEIVISRAQKTRFPAFQIVGALNPSPSGHYEGSSQAR..ANPQSILRYLSRLSGPLLDRFDMSIEIPALPKG	392
NTDB id 1349 HI 1117 AAC22771.1	LRQPLESGEIIISRAANAKIQFPAFQLYAAMNPSPSGHYTGTHNR..TSPQQIMRYLNRLSGPFLLDRFDLSIEVPLLPQG	396
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LRQPLESGEIIISRAANAKVFFPAFQLYAAMNPSPSGHYQGTHNR..TSPQQIMRYLNRLSGPFLLDRFDLSIEVPLLPQG	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	E L I K P N T H L E K Q S L A I R E K V T K M H E I Q M A R Q D S L N A N L N S K T C E M V C E L G S E E Q L F L R E V M S K L K L S A R G Y H R L L K	470
NTDB id 1248 GC085 RS03150 WP 011213198.1	E L I K P N T H L E K Q S L A I R E K V T K M H E I Q M A R Q D S L N A N L N S K T C E M V C E L G S E E Q L F L R E V M S K L K L S A R G Y H R L L K	470
NTDB id 1040683 ACDI91 RS23065 WP 002883134.1	I L S Q G . S Q G E S S A T V R Q R V L A A R E R Q M L R Q N K L N A H L E N R E M K N C C R L R R E D A V W L E Q T L T Q L G L S T R A W Q R L L K	466
NTDB id 1397 DSB67 RS15690 WP 005535577.1	T L S E G . G D R G E P T A I V K E R V N Q A R D C M L A R S G K V N A L L G S R E I E A F C P L Q K S D A E F L E N A L H R L G L S I R A Y H R I I K	467
NTDB id 1153 A1552VC RS00115 WP 000521788.1	T L A N G . G D R G E S T A A V R Q R V W V A R E R M L A R S G K V N A L L Q S R E I E Q Y C P L L K A D A E F L E S A L H R L G L S I R A Y H R I I K	467
NTDB id 1349 HI 1117 AAC22771.1	S L Q N T . G D R G E T S A Q V R E K V L K V R E I Q M E R A G K I N A Y L N S K E I E R D C K L N D K D A F F L E K A L N K L G L S V R A Y H R I L K	471
NTDB id 1387 A4U84 RS06900 WP 020457569.1	A L Q N N T D Q R G E T T E Q A R K R V L E A R H L Q F N R R G K I N A Q L T T K E I E Q D C K L T D R D A L F L E N A L T K L G L S V R A Y H R I L K	471
consensus	!***** *!	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	VSRTIADLERETNIQSHHIAEAIQYRSILDRDFWKV.....	510
NTDB id 1271 LPP RS03220 WP 011213198.1	VSRTIADYNSSKKVLLNHLQQALSYPKQNLHLPK.....	503
NTDB id 1248 GC085 RS03150 WP 011213198.1	VSRTIADYNSSKKVLLNHLQQALSYPKQNLHLPK.....	503
NTDB id 1040683 ACDI91 RS23065 WP 002883134.1	VARTIADLAEVEETIERCHLQEALSYRAIDRMLNHLQKMMA	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	VSRTIADLQGEQIQIFQPHLAEALGYRAMVRLLQKLSNM..	509
NTDB id 1387 A4U84 RS06900 WP 020457569.1	VSRTIADLAGEAQIQPPHLAEALGYRAMDRLLQRLQGES.	510
consensus	!***** *!* *	

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