

NTDB id	1323	RAOC RS07335 WP 004916218.1	.MLVVKVYGS A IHGVSAQTITTEVNVDQGV.GYHLVLGLPDNATKESSHRISAAIKNVGYKLPGKKITINMAPADLRKEGSA	78
NTDB id	1271	LPP RS03220 WP 011213198.1	MSLAFTKTRSTIGTIVAQPVSVVEVHSNGLPSTFMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTTGSG	80
NTDB id	1248	GC085 RS03150 WP 011213198.1	MSLAFTKTRSTIGTIVAQPVSVVEVHSNGLPSTFMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTTGSG	80
NTDB id	1018733	ABOU83 RS22750 WP 023224553.1	MSLAITHRAALGVNAAPPITITEVHSINGLPGCLTMVGLPETTVKEARDVRSAIINSGYEFPAKKITINLAPADLPKEGGR	80
NTDB id	1153	A1552VC RS00115 WP 000521788.1	MGLAIITHSRASIGVQAAPPVTIEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEPFAKRITVNLAPADLPKEGGR	80
NTDB id	1397	DSB67 RS15690 WP 005535577.1	MGLAIITHSRASVGVAAPSVSVEVHSINGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPAKRITVNLAPADLPKEGGR	80
NTDB id	1349	HI 1117 AAC22771.1	MSLAIVYSRASMGVQAPLVTIEVHLSNGKPFGFTLVGLPEKTVKEAQDRVRSAIMNAQFKYPAKRITVNLAPADLPKEGGR	80
NTDB id	1387	A4U84 RS06900 WP 020457569.1	MSLAIIYSRASIGVEAPLVTIEVHSNGSPGLTLVGLPEKSVEKAQDRVRSAIMNANFDYPARRITINLAPADLPKEGGR	80
consensus			* * * * *	

NTDB id	1323	RAOC RS07335 WP 004916218.1	YDLSTALGILAASGGTIIAPEIERVYLIMGELSLDGGGLQPIKGVLPATIRAREEGFGKITLTKPQNRTREAAIVNDLEVVGVEN	158
NTDB id	1271	LPP RS03220 WP 011213198.1	FDPILPALGILAASEQIPLTNLANHEFIGELALSCELRGVSATIPAVLAAHKD.NQHLLIANANAAEASLTGHQKVFTANN	159
NTDB id	1248	GCO85 RS03150 WP 011213198.1	FDPILPALGILAASEQIPLTNLANHEFIGELALSCELRGVSATIPAVLAAHKD.NQHLLIANANAAEASLTGHQKVFTANN	159
NTDB id	1018733	ABOU83 RS22750 WP 023224553.1	YDLPITVAALGAASEQTASNLEAYELFVGELALTGALRGVPGCATSSATEAIRA.GRNIIVATENAAEVGLISGCGCFIADH	159
NTDB id	1153	A1552VC RS00115 WP 000521788.1	FDPILPALGILAASDIARNKLSESYEFIGELALSGETIRGVKGVLPAALAANKV.ERCLLVPHSNGDQAALVGVERHKSAQS	159
NTDB id	1397	DSB67 RS15690 WP 005535577.1	FDPILPALGILAASEQIATDKLKNYEFVGEALSGGLRLTVKGVLPALAANKK.QRHLLVPHANGDQAALVGKEQHKSACS	159
NTDB id	1349	HI 1117 AAC22771.1	FDPILPATGILAASGDLDASHLKQFEFVAELALTQLRGVHGVPAILAAQKS.KRELTIKQNNANEASLVSDQNTTYFAQT	159
NTDB id	1387	A4U84 RS06900 WP 020457569.1	FDPILPATGILAASQQIDSDKLKRIFELLGELSITGHLRGVHGAIAPVLAASKA.KRETIIVPQQNANEASLVSNVTQTYCAST	159
consensus			*!!*!!**!!!!!!*!* * * * * !! * * * * * !! * * * * * !! * * * * * !! * * * * *	

[illegible]

NTDB id	1323	RAOC RS07335 WP 004916218.1	PPLTLKEAEETTKTHSVAGKMGAETSMTIRPFRSPHHTISDVVALVGGGSYPQGEISLAHNGLVFLDLMPEFKRTIVLEV	318
NTDB id	1271	LPP RS03220 WP 011213198.1	PELSETTCAIECAAINSIRGKLPDF.REWRILPPFRAPHHTASPVVALVGGGNPPKPGGEISLAHHGVLFDELPEFNRQVLET	314
NTDB id	1248	GC085 RS03150 WP 011213198.1	PELSETTCAIECAAINSIRGKLPDF.REWRILPPFRAPHHTASPVVALVGGGNPPKPGGEISLAHHGVLFDELPEFNRQVLET	314
NTDB id	1018733	ABOU83 RS22750 WP 023224553.1	PPLSNEEALESAAITSLVNADTVQ.KRWQQRPFRSPHHSASTAMVGCGAIPTPGGEISLAHNGLIFLDELPEFERRTLDA	313
NTDB id	1153	A1552VC RS00115 WP 000521788.1	PEMSDEEAMETASIASLTQEQINQ.HNWKL RPFRAPHHSSSMAALVGGGTIPRPGGEISLAHNGLIFLDLMPEFEERKVLD	314
NTDB id	1397	DSB67 RS15690 WP 005535577.1	PEMSDEEAMETASVASLTQSEINE.HNWKTRPFRAPHHSSSMAALVGGGSVPRPGGEISLAHNGLIFLDLMPEFDREKVLD	314
NTDB id	1349	HI 1117 AAC22771.1	PEMTDL EATETASVTSLVQNELNF.HNWKKRPFRAPHHSSMPALVGGGTIPKPGGEISLATNGVLFLDELPEFERKVLD	318
NTDB id	1387	A4U84 RS06900 WP 020457569.1	PEMEDDEAETASVTSLVQNELNF.QNWKKRPFRRSPHHSASMVVALVGGGSIPKPGGEISLAHNGLVFLDELPEFERKVLD	317
consensus			! * * * * * ! * ! * * * * ! * * * * * ! * * * * * ! * * * * * ! * * * * * ! * * * * * ! * * * * *	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	LREPLESGEIIISRAAKIIFPAFQLYAAMNPSPTCGYGQONRITPQRIIRYLNRLSGPIIDREFDMSIEIPALPQG	397
NTDB id 1271 LPP RS03220 WP 011213198.1	MRQPLEDRVETISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDITHIEVQKVVEFD	394
NTDB id 1248 GC085 RS03150 WP 011213198.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNISQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	394
NTDB id 1018733 ABOU83 RS22750 WP 023224553.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNISQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	391
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LREPLESGEIVISRAQKTRFPAFQFQVGAALNPSPSGGYEGSSQA..RANPQSILRYLSRLSGPLLDRFDMSTIEIPALPKG	392
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LREPLESGEIIISRAQKTRFPAFQFQVGAALNPSPSGGYEGNQA..RTNPQAAILRYLGRLSGPLLDRFDMSTIEIPALPKG	392
NTDB id 1349 HI 1117 AAC22771.1	LRQPLESGEIIISRAQKTRFPAFQFQVGAALNPSPSGGYEGNQA..RTNPQAAILRYLGRLSGPLLDRFDMSTIEIPALPKG	396
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LRQPLESGEIIISRAQKTRFPAFQFQVGAALNPSPSGGYEGNQA..RTNPQAAILRYLGRLSGPLLDRFDMSTIEIPALPKG	395
consensus	*!***** *!* ** *!*!*****!!*! * ** * ** *!!!! *!!!!*!!!!*!!!!***** ** *	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	QLSD..KRKGESSEIRQRVLKAREIQERYQDLAISYNAQMGPKEIEHFCELDVSLLLIKNAMEKLNLSARAYDRILK	475
NTDB id 1271 LPP RS03220 WP 011213198.1	ELIKPNTHLEKQSLAIREKVTMKHEIQMARQDS...LNANLNSKTCCEMVCELGSEEQFLREVMSKIKLSARGYHRLK	470
NTDB id 1248 GC085 RS03150 WP 011213198.1	ELIKPNTHLEKQSLAIREKVTMKHEIQMARQDS...LNANLNSKTCCEMVCELGSEEQFLREVMSKIKLSARGYHRLK	470
NTDB id 1018733 ABOU83 RS22750 WP 023224553.1	ILSQH.ASKGESSATVKKRVIAAHERQYRRQKK...LNARLEGREIQKYCVLHHDARWLEDTLVHLGLSTRAWQRLK	466
NTDB id 1153 A1552VC RS00115 WP 000521788.1	TLANG.GDRGESTAAVRQRVWVARERMLARSGK...VNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRIK	467
NTDB id 1397 DSB67 RS15690 WP 005535577.1	TLSEG.GDRGEPTAIVKERVNQARDCMLARSGK...VNALLQSREIEAFCLPLQKSDAEFLENALHRLGLSIRAYHRIK	467
NTDB id 1349 HI 1117 AAC22771.1	SLQNT.GDRGETSAQVREKVLKVREIQMERAGK...INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYHRILK	471
NTDB id 1387 A4U84 RS06900 WP 020457569.1	ALQNNTDQRGETTEQARKRVLEARHLQFNRRGK...INAQLTTKEIEQDCKLTDRDALFLENALTKLGLSVRAYHRILK	471
consensus	! ***** * *! ***** ! * *! ! * ***** ! ! ** *** * *! ! ! ! ! ! ! ! ! ! ! !	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	VSRTIADLERETNIQSHHIAEAIQYRSIDRDFWKV.....	510
NTDB id 1271 LPP RS03220 WP 011213198.1	VSRTIADMNSSKKVLLNHLQQALSYPKQNLHLPK.....	503
NTDB id 1248 GC085 RS03150 WP 011213198.1	VSRTIADMNSSKKVLLNHLQQALSYPKQNLHLPK.....	503
NTDB id 1018733 ABOU83 RS22750 WP 023224553.1	VARTIADIELADQISRQHLQEAVSYRAIDRLLIHLLQKLLA	506
NTDB id 1153 A1552VC RS00115 WP 000521788.1	VARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV	507
NTDB id 1397 DSB67 RS15690 WP 005535577.1	VARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV	507
NTDB id 1349 HI 1117 AAC22771.1	VSRTIADLQGEQIIFQPHLAEALGYRAMVRLKQLSNM..	509
NTDB id 1387 A4U84 RS06900 WP 020457569.1	VSRTIADLAGEAQIQPHLAEALGYRAMDRLLQRLQGES.	510
consensus	! ! ! ! ! ! ! * * * ! * ! * ! * ! * ! * ! * ! *	

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