

NTDB id	1323	RAOC RS07335 WP 004916218.1	.MLVKVYGS A IHGVSQAQTITTEVNVDQGV.GYHLVLGLPDNATKESSHRISAAIKNVGYKLPGKKITINMAPADLRKEGSA	78
NTDB id	1271	LPP RS03220 WP 011213198.1	MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSEFTMVGLAETAVKESKDVRVSAIINSQFEFPCRKITVNLGPANLPKTGTSGS	80
NTDB id	1248	GCO85 RS03150 WP 011213198.1	MSLAFTKTTRSTIGIVAQPVSVEVHLSNGLPSEFTMVGLAETAVKESKDVRVSAIINSQFEFPCRKITVNLGPANLPKTGTSGS	80
NTDB id	1070583	ACIOJ4 RS04990 WP 023315028.1	MSLVVVYIRAAIGVKAPLISVEVHLSNGLPGLTLVGLPETTVKEARDRVRSAINSGYAFPAKKITIINLAPADLPKEGGRR	80
NTDB id	1397	DSB67 RS15690 WP 005535577.1	MGLAIIHSTRASVGVAQPSVSVEVHLSNGMPGFLLVGLPETTVKESKDVRVSAIVNSNFQFPAKRITVNLAPADLPKEGGRR	80
NTDB id	1153	A1552VC RS00115 WP 000521788.1	MGLAIIHSTRASIGVGAAPPVTIVEVHLSNGMPGFLLVGLPETTVKESRDVRVSAIINSRFEPFAKRITVNLAPADLPKEGGRR	80
NTDB id	1349	HI 1117 AAC22771.1	MSLAIVYSRASMGVQAPLVTIEVHLSNGKPGLTLVGLPEKTVKEAQDVRVSALMNAQFKYPAKRITVNLAPADLPKEGGRR	80
NTDB id	1387	A4U84 RS06900 WP 020457569.1	MSLAIIYSRASIGVEAPLVTIEVHLSGGSPGLTLVGLPEKS VKEAQRDRVSALMNANFDYPARRITINLAPADLPKEGGRR	80
consensus			* * * * *	

NTDB id	1323	RAOC RS07335 WP	004916218.1	YDLSTALGILAASGGTIIAPEITERYLIMGELSLDGGGLQPIKGVLPATIRAREEGFGKITIIPKQNTREAAIVNDLEVYGVEN	158
NTDB id	1271	LPP RS03220 WP	011213198.1	FDPILPALTGILAASEQIPLTNLANHEFIGELALSSELRGVSAITPAVLAAHKD.NQHLLIANANAAEASLTGHQKVFTANN	159
NTDB id	1248	GC085 RS03150 WP	011213198.1	FDPILPALTGILAASEQIPLTNLANHEFIGELALSSELRGVSAITPAVLAAHKD.NQHLLIANANAAEASLTGHQKVFTANN	159
NTDB id	1070583	ACIOJ4 RS04990 WP	023315028.1	YDLPIAIALGAASEEQINPTNGLSSCEFFVGELALTCALRGVPAGATSGALEAIRA.QRQIIVANENAESVLSIAEKGCCLVAGH	159
NTDB id	1397	DSB67 RS15690 WP	005535577.1	FDPILPALTGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAAALAANKK.QRHVVPHANGDQAALVGKEQHKSAQS	159
NTDB id	1153	A1552VC RS00115 WP	000521788.1	FDPILPALTGILAASDQIARNKLESYEFIGELALSGELRGVKGVLPAALAANKV.ERCLVPHNSCDQAALVGVERHKSAQS	159
NTDB id	1349	HI 1117 AAC22771.1		FDPPIAIALGILAASDQLDASHKQFEFVAELALTGQLRGVHGVIIPAIIAAQKS.KRELIIAKQNANEASLVSDQNTYFAQT	159
NTDB id	1387	A4U84 RS06900 WP	020457569.1	FDPPIAIALGILAASQQIDSDKLKRIIELGELSLTGHLRGVHGAIPAVLAASKA.KRETIIVPQQNANEVSLSVNTQTYYCAST	159
consensus				*!!*!!**!!!!!!*!* * **!!!*! * !***** **!! * * **** !****!!* * *	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	LREPLESGEIIISRAAKIIFPAFQLYAAMNPSPGCHY-G-ONRTTPQRIIRYLRLSGPFLDRFDMSIEIPALPQG	397
NTDB id 1271 LPP RS03220 WP 011213198.1	MRQPLEDRVITISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDITHIEVQKVVEFD	394
NTDB id 1248 GC085 RS03150 WP 011213198.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNSSQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	394
NTDB id 1070583 ACIOJ4 RS04990 WP 023315028.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNSSQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	391
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LREPESGEIHLSTRAKISYPAQFQLVAAMNPSPGTGHYQGNHN..RCTPEQTLRYLSKLSGPFLLDRFDLSLEIPLPPPG	392
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LREPLESGEIIISRAQKTRFPAQFQIVGALNPSPGTGYEENQA..RTNPQATILRYLGRLSGPPLDRFDMSLEIPALPKG	392
NTDB id 1349 HI 1117 AAC22771.1	LREPLESGEIVISRAQKTRFPAQFQIVGALNPSPGTGYEENQA..RANPQSILRYLSRLSGPPLDRFDMSIEIPALPKG	396
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LRQPLESGEIIISRAQKTRFPAQFQIVGALNPSPGTGHYQGNHN..RTSPQQIMRYLNRLSGPFLDRFDLSIEVPLLPQG	395
consensus	*!***** *!* *** *!!*!*****!!*!!* * ** * ** *!!!! *!!!!*!!!!*!***** ** *	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	LREPLESGEIIISRAAKIIFPAFQLYAAMNPSPGCHY-G-ONRTTPQRIIRYLRLSGPFLDRFDMSIEIPALPQG	475
NTDB id 1271 LPP RS03220 WP 011213198.1	MRQPLEDRVITISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDITHIEVQKVVEFD	470
NTDB id 1248 GC085 RS03150 WP 011213198.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNSSQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	470
NTDB id 1070583 ACIOJ4 RS04990 WP 023315028.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNSSQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	466
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LREPESGEIHLSTRAKISYPAQFQLVAAMNPSPGTGHYQGNHN..RCTPEQTLRYLSKLSGPFLLDRFDLSLEIPLPPPG	467
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LREPLESGEIIISRAQKTRFPAQFQIVGALNPSPGTGYEENQA..RTNPQATILRYLGRLSGPPLDRFDMSLEIPALPKG	467
NTDB id 1349 HI 1117 AAC22771.1	LREPLESGEIVISRAQKTRFPAQFQIVGALNPSPGTGYEENQA..RANPQSILRYLSRLSGPPLDRFDMSIEIPALPKG	471
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LRQPLESGEIIISRAQKTRFPAQFQIVGALNPSPGTGHYQGNHN..RTSPQQIMRYLNRLSGPFLDRFDLSIEVPLLPQG	471
consensus	! ***** *!!!! *!!!!*!!!!*!*****!!*!!* * ** *!!!! *!!!!*!!!!*!***** ** *	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	VSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....	510
NTDB id 1271 LPP RS03220 WP 011213198.1	VSRTIADLNSSKKVLLNHLQQAISYKQNLHLPK.....	503
NTDB id 1248 GC085 RS03150 WP 011213198.1	VSRTIADLNSSKKVLLNHLQQAISYKQNLHLPK.....	503
NTDB id 1070583 ACIOJ4 RS04990 WP 023315028.1	VARTVADVEGCPGTEIRRHLEALSRYAIDRLLHLQKMLA	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	VSRTIADLQGEQIFQPHLAEALGYRAMVRLKQLSNM..	509
NTDB id 1387 A4U84 RS06900 WP 020457569.1	VSRTIADLAGEAQIQPHLAEALGYRAMDRLLQRLQGES.	510
consensus	!*****! * ** *!!!!*!***** ** *	

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