

NTDB id	1323	RAOC RS07335 WP 004916218.1	.MLVKKVYGS A IHHGVS A QTTITTEVNVDQGV.GYHLVLGLPDNATIKESSHRISAAAKNVGYKLPGKKITINMAPADLRKEGSA	78
NTDB id	1271	LPP RS03220 WP 011213198.1	MSLAFTKTRSTIGTIVAQPVSVEVHLSNGLPSTFMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG	80
NTDB id	1248	GC085 RS03150 WP 011213198.1	MSLAFTKTRSTIGTIVAQPVSVEVHLSNGLPSTFMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG	80
NTDB id	1074814	AC165L RS01805 WP 039508690.1	MSLAIVTYRAMIGVQAAPDVLTIEVHTSSGLPALTLVLGLPETVKEARDVRVSALINCFFTFAKRITVNLAPADLPKEGGGR	80
NTDB id	1153	A1552VC RS00115 WP 000521788.1	MGLAIITHSRASIGVQAAPPVTVEVHLSNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEPFAKRITVNLAPADLPKEGGGR	80
NTDB id	1397	DSB67 RS15690 WP 005535577.1	MGLAIITHSRASVGVAQAPSVEVHLSNGMPGFTLVGLPETTVKESKDRVRSAIVNSFFQFP AKRITVNLAPADLPKEGGGR	80
NTDB id	1349	HI 1117 AAC22771.1	MSLAIVYSRASMGVQAAPLVLTIEVHLSNGKPFGFTLVGLPEKTVKEAQDVRVSALMNAFDYPAKRITVNLAPADLPKEGGGR	80
NTDB id	1387	A4U84 RS06900 WP 020457569.1	MSLAIVYSRASIGVQEAPLVLTIEVHTSSGPSGLTLVLGLPEKSVKAEAQDVRVSALMNANFDYPARRITVNLAPADLPKEGGGR	80
consensus			* * ! * * * * * ! * ! * * * * * ! * * * * * ! * ! * * * * * ! * ! * * * * * ! * ! * * * * * ! * ! * * * * *	

NTDB id	1323	RAOC RS07335 WP 004916218.1	YDLSIALGILAASGGTIIAPEIERVYLIMGELSLDGGGLQPIKGVLPPIATRAREEGFGKITLIPKQNTREAAIVNDLEVYGVEN	158
NTDB id	1271	LPP RS03220 WP 011213198.1	FDLPIALGILAASEQIPLTNLANHEFIGELALSSELGRVSAITPAVLAAHKD.NQHLLIANANAAEASLTGHQKVFTANN	159
NTDB id	1248	GC085 RS03150 WP 011213198.1	FDLPIALGILAASEQIPLTNLANHEFIGELALSSELGRVSAITPAVLAAHKD.NQHLLIANANAAEASLTGHQKVFTANN	159
NTDB id	1074814	AC165L RS01805 WP 039508690.1	YDLPILAILAASEQIDGEKLRSRYEFIGELGLSGTLRGVNGAIPAALAEAIKA.KRQLTIIPDDNKREMTLTPQGREALMAGH	159
NTDB id	1153	A1552VC RS00115 WP 000521788.1	FDLPIALGILAASDQIARNKLESYEFIGELALSGETIRGVKGVLPAAALANQV.ERCLVVPHSNGDQAALVGVERHKSAAQS	159
NTDB id	1397	DSB67 RS15690 WP 005535577.1	FDLPIALGILAASEQIATDKLKNYEFVIGELALSSEGLTRVKGVLPAAALANKK.QRHLLVVPFHANGDQAALVGKEQHKSAAQS	159
NTDB id	1349	HI 1117 AAC22771.1	FDLPIAIGILAASQIDASHLKQFEFVAELATGLRGVHVGVIPAILAAQKS.KRELIIAKQNANEASLVSDQNTYFAQT	159
NTDB id	1387	A4U84 RS06900 WP 020457569.1	FDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIAPAVLAASKA.KRETIIVPQQNANEVSLVSNTQTYCAST	159
consensus			*!!*!!**!!!!!!*!* * **** * !! * ! * ! * * * * * * * * * * * * * * * * * * *	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	LREPLESGEIIISRAAKYFPAFQLYAAMNPSPGCHYGSQNRTPQQLRYLRLSGPFLDRFDMSIEYPALPQG	397
NTDB id 1271 LPP RS03220 WP 011213198.1	MRQPLEDRVETISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDITHIEVQKVVEFD	394
NTDB id 1248 GC085 RS03150 WP 011213198.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNSSQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	394
NTDB id 1074814 ACI65L RS01805 WP 039508690.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNSSQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	393
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LREPLESGEIIISRTAKVCYPARVQLVAAMNPSPSGHYQGQVHNR..LPAQQILRYLSKLSGPFLLDRFDLSIEVPLLPQG	392
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LREPLESGEIVISRAQKTRFPAFQLVGALNPSPGTGYEGSSQAR..ANPQSILRYLSRLSGPLLDRFDMSIEIPALPKG	392
NTDB id 1349 HI 1117 AAC22771.1	LREPLESGEIIISRAQKTRFPAFQIVGALNPSPGTGYEGNQAR..TNPQAAILRYLGRLSGPLLDRFDMSLEIPALPKG	396
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LRQPLESGEIIISRANAKIQFPAFQLVAAAMNPSPGTGHYTGTNHR..TSPQQIMRYLNRLSGPFLLDRFDLSIEVPLLPQG	395
consensus	*!*****!!!!* **** *!!!!*****!!!!!!* * ** * *** *!!!! *!!!!*!!!!!!*!!!!***** ** *	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	QLSD..KRKGESSEIRQVRLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDVSLLLTKNAMEKLNLSARAYDRILK	475
NTDB id 1271 LPP RS03220 WP 011213198.1	ELIKPNTHLEKQSLAIQREKVTMKHEIQMARQD...SLNANLNSKTCCEMVCELGSEEQFLREVMSKIKLSARGYHRLIK	470
NTDB id 1248 GC085 RS03150 WP 011213198.1	ELIKPNTHLEKQSLAIQREKVTMKHEIQMARQD...SLNANLNSKTCCEMVCELGSEEQFLREVMSKIKLSARGYHRLIK	470
NTDB id 1074814 ACI65L RS01805 WP 039508690.1	VLSQQ.HYQGESSATIRERVLIARQIQLKRAN...KINALLTSREIEKHCGLEMA DATYLEEVMNKLGLSVRAWHRIK	468
NTDB id 1153 A1552VC RS00115 WP 000521788.1	TLANG.GDRGESTAAVRQVRVVARERMLARSG...KVNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRIK	467
NTDB id 1397 DSB67 RS15690 WP 005535577.1	TLSEG.GDRGEPTAIVKERVNQARDCMLARSG...KVNALLGSREIEAFCPQLKSDAEFLENALHRLGLSIRAYHRIK	467
NTDB id 1349 HI 1117 AAC22771.1	SLQNT.GDRGETSAQVREKVLKVREIQMERAG...KINAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYHRILK	471
NTDB id 1387 A4U84 RS06900 WP 020457569.1	ALQNNTDQRGETTEQARKRVLEARHLQFNRRG...KINAQLTTKEIEQDCKLTDRDALFLENALT KLGLSVRAYHRILK	471
consensus	! **** *!!!! ***** ! **!! * ****! !! ** *** * *!!!!*!!!!*!!!!	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	VSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....	510
NTDB id 1271 LPP RS03220 WP 011213198.1	VSRTIADMNSSKKVLLNHLQQALSYPKQNLHLPK.....	503
NTDB id 1248 GC085 RS03150 WP 011213198.1	VSRTIADMNSSKKVLLNHLQQALSYPKQNLHLPK.....	503
NTDB id 1074814 ACI65L RS01805 WP 039508690.1	VARTIADLGDRDNIERKHLAEALSYRCMDRLLIQTHKSLE	508
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