

NTDB id	1323	RAOC RS07335 WP 004916218.1	.MLVKKVYGS A IHHGVS A QTTITIEVNVDQGV.GYHLVLGLPDNATIKESSHRISAAAKNVGYKLPGKKITINMAPADLRKEGSA	78
NTDB id	1271	LPP RS03220 WP 011213198.1	MSLAFTKTRSTIGTIVAPPVSEVHH.SNGLPSTFMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG	80
NTDB id	1248	GC085 RS03150 WP 011213198.1	MSLAFTKTRSTIGTIVAPPVSEVHH.SNGLPSTFMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG	80
NTDB id	1031985	AB8Z42 RS25220 WP 002883134.1	MSLAITYRRAALGTEAPLVITVEVHLSNGLPCLTMVGLPETVKEARDVRVSALINSGYAFPAKKITINLAPADLPKEGGGR	80
NTDB id	1397	DSB67 RS15690 WP 005535577.1	MGLAIITHSRASVGVQA P S V SEVHHISNGMPGFTTLVGLPETTVKESKDRVRSAIVNSNFQFPAKRITVNLAPADLPKEGGGR	80
NTDB id	1153	A1552VC RS00115 WP 000521788.1	MGLAIITHSRASIGVQA P PVTVEVHHISNGMPGFTTLVGLPETTVKESKDRVRSAIINSRFEPFAKRITVNLAPADLPKEGGGR	80
NTDB id	1349	HI 1117 AAC22771.1	MSLAITYSRSASMGVAPLVTIEVHLSNGKP G F T TLVGLPEKT V KEAQQRVRSALMNAFDYPARRITVNLAPADLPKEGGGR	80
NTDB id	1387	A4U84 RS06900 WP 020457569.1	MSLAITYSRSASIGVEAPLVITIEVHLSGGS P CLTMLVGLPEKS V KEAQQRVRSALMNANFDYPARRITVNLAPADLPKEGGGR	80
consensus				* * ! * * * * ! * ! * * * * ! * * * * ! * ! * * * * ! * ! * * * * ! * ! * * * * ! * ! * * * * ! * ! * * * *

[illegible]

NTDB id 1323	RAOC RS07335 WP 004916218.1	I	K	E	V	I	D	F	F	N	E	C	P	E	P	T	K	V	N	T	R	E	E	F	H	K	R	V	N	L	F	P	F	D	F	S	E	V	K	G	Q	E	T	A	K	R	A	M	E	V	A	A	A	G	G	H	N	I	L	I	G	P	P	G	S	G	K	T	M	L	A	K	R	I	P	S	I	L		238		
NTDB id 1271	LPP RS03220 WP 011213198.1	L	R	E	V	C	D	L	C	Q	G	T	S	L	Q	S	L	P	P	K	P	D	L	...	L	L	N	N	Y	E	L	D	W	S	D	I	K	G	Q	Q	H	A	K	N	A	M	V	I	A	A	C	G	G	H	S	I	L	L	S	C	A	P	G	S	G	K	T	M	A	K	R	F	S	T	L	L		235				
NTDB id 1248	GC085 RS03150 WP 011213198.1	L	R	E	V	C	D	L	C	Q	G	T	S	L	Q	S	L	P	P	K	P	D	L	...	L	L	N	N	Y	E	L	D	W	S	D	I	K	G	Q	Q	H	A	K	N	A	M	V	I	A	A	C	G	G	H	S	I	L	L	S	C	A	P	G	S	G	K	T	M	A	K	R	F	S	T	L	L		235				
NTDB id 1031985	AB8Z42 RS25220 WP 002883134.1	L	Q	E	V	C	A	E	L	A	G	T	S	L	S	P	P	L	A	E	A	...	P	A	R	D	E	R	Y	E	D	L	L	V	I	G	Q	Q	Q	K	R	A	L	E	I	V	A	A	G	G	H	N	L	I	L	G	P	P	G	T	G	K	T	M	L	A	S	R	L	P	G	L	L		234							
NTDB id 1397	DSB67 RS15690 WP 005535577.1	L	L	E	V	C	A	E	L	C	G	Q	H	Q	L	N	L	Y	Q	T	P	K	K	...	E	L	K	A	H	G	R	D	L	Q	D	I	I	G	Q	Q	Q	K	R	A	L	E	I	A	A	A	G	N	H	N	L	L	F	L	G	P	P	G	T	G	K	T	M	L	A	S	R	L	C	D	L	L		235				
NTDB id 1153	A1552VC RS00115 WP 000521788.1	L	L	E	V	C	A	D	L	C	G	Q	T	L	S	L	F	Q	S	S	P	S	V	...	Q	Q	V	S	Q	T	R	D	L	Q	D	I	I	G	Q	Q	Q	K	R	A	L	E	I	A	A	A	G	N	H	N	L	L	F	L	G	P	P	G	T	G	K	T	M	L	A	S	R	L	C	D	L	L		235				
NTDB id 1349	HI 1117 AAC22771.1	L	L	D	V	V	Q	F	L	N	G	Q	E	K	L	P	L	A	T	E	I	V	K	E	S	A	V	N	F	S	G	K	N	T	L	D	L	T	D	I	I	G	Q	Q	H	A	K	R	A	L	T	I	A	A	A	G	Q	H	N	L	L	F	L	G	P	P	G	T	G	K	T	M	L	A	S	R	L	T	G	L		239
NTDB id 1387	A4U84 RS06900 WP 020457569.1	L	L	Q	V	N	F	L	N	R	D	Q	L	P	I	A	Q	Q	L	S	Q	N	I	A	E	N	.	R	P	L	V	S	R	D	L	T	D	I	I	G	Q	Q	H	A	K	R	A	L	I	I	A	A	S	G	Q	H	N	L	L	F	L	G	P	P	G	T</																

[illegible]

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NTDB id 1323 RAOC RS07335 WP 004916218.1	LREPLESGEIIISRAAKIIFPAFQLYAAMNPSPTCGYGQNRISPGQILRYLRLSGPFLDRFDMSIEIPALPQG	397
NTDB id 1271 LPP RS03220 WP 011213198.1	MRQPLEDRVITISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNLKLSGPLLDRIDITHIEVQKVFEFD	394
NTDB id 1248 GC085 RS03150 WP 011213198.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNISQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	394
NTDB id 1031985 AB8Z42 RS25220 WP 002883134.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNISQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	391
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LREPESGKIHSISRAKIDYPARFQLIAAMNPSPTCGHYQKGKHNRL.ASPEQTLRYLGRLSGPFLLDRFDLSLEIPLPPPG	392
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LREPLESGEIIISRAQKTRFPAFQIVGALNPSPTCGYEGNQAR..TNPQATILRYLGRLSGPPLDRFDMSLEIPALPKG	392
NTDB id 1349 HI 1117 AAC22771.1	LREPLESGEIVISRAQKTRFPAFQIVGALNPSPTCGYEGSSQAR..ANPQSILRYLSRLSGPPLDRFDMSIEIPALPKG	396
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LRQPLESGEIIISRAANAKIQFPAFQLYAAMNPSPTCGHYTGTNRL..TSPQQIMRYLNLRLSGPFLDRFDLSIEVPLLPQG	395
consensus	*!*****!!!!* *** *!!!!*****!!!!!!* ** * **!!!!*!!!!*!!!!*!!!!***** ** *	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	L SNG GDRGESSAAVREVRKAREQMARCKNALNSKEIECLDALEFENALKGLSARAYHRLK	475
NTDB id 1271 LPP RS03220 WP 011213198.1	QLSD..KRKGESSEIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDVSLLLIKNAMEKLNLSARAYDRILK	470
NTDB id 1248 GC085 RS03150 WP 011213198.1	ELIKPNTHLEKQSLAIREKVTMKHEIQMARQDS...LNANLNSKTCCEMVCELGSEEQLFLREVMSKLLKSARGYHRLK	470
NTDB id 1031985 AB8Z42 RS25220 WP 002883134.1	ELIKPNTHLEKQSLAIREKVTMKHEIQMARQDS...LNANLNSKTCCEMVCELGSEEQLFLREVMSKLLKSARGYHRLK	466
NTDB id 1397 DSB67 RS15690 WP 005535577.1	ILSQG.SQGEESATVRQRVLAARERQMLRQNK...LNAHLENREMKNCRLRREDAVWLEQTLTQLGLSTRAWQRLK	467
NTDB id 1153 A1552VC RS00115 WP 000521788.1	TLSEG.GDRGEPTAIVKERVNQARDCLARSGK...VNALLGSREIEAFCPQLKSDAEFLENALHRLGLSIRAYHRIK	467
NTDB id 1349 HI 1117 AAC22771.1	TLANG.GDRGESTAAVRQRVWVARERMLARSGK...VNALLGSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRIK	471
NTDB id 1387 A4U84 RS06900 WP 020457569.1	SLQNT.GDRGETSAQVREKVLKVREIQMERAGK...INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYHRILK	471
consensus	ALQNNTDQRGETTEQARKRVLEARHLQFNRRGK...INAQLTTKEIEQDCKLTDRDAFLFLENALTKLGLSVRAYHRILK	
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NTDB id 1323 RAOC RS07335 WP 004916218.1	VSRTIADLERETNIQSHHIAEAIQYRSILDRDFWKV.....	510
NTDB id 1271 LPP RS03220 WP 011213198.1	VSRTIADLNSSKKVLLNHLQQAISYKQNLHLPK.....	503
NTDB id 1248 GC085 RS03150 WP 011213198.1	VSRTIADLNSSKKVLLNHLQQAISYKQNLHLPK.....	503
NTDB id 1031985 AB8Z42 RS25220 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	VSRTIADLQGEQIFQPHLAEALGYRAMVRLLQKLSNM..	509
NTDB id 1387 A4U84 RS06900 WP 020457569.1	VSRTIADLAGEAQIQPHLAEALGYRAMDRLLQRLQGES.	510
consensus	!***** ** !***** !***** *	

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