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NTDB id	1323	RAOC	RS07335	WP	004916218.1	.MLVKKYVGS	AIHGVSAQTTITIEVNVVDQGV	.GVHVLVGLPDNAIKESSHRISAALKNVGVYKLP	PGKKKITINMAPADLR	KEGSA	78				
NTDB id	1271	LPP	RS03220	WP	011213198.1	MSLAFTK	TRSTIGTIV	AQPVSV	EVHLSNGLPSFT	MTVGLAETA	AVKESKDRVRS	AIINSQFEFPCRK	ITVNLGPANLPK	TGSG	80
NTDB id	1248	GC085	RS03150	WP	011213198.1	MSLAFTK	TRSTIGTIV	AQPVSV	EVHLSNGLPSFT	MTVGLAETA	AVKESKDRVRS	AIINSQFEFPCRK	ITVNLGPANLPK	TGSG	80
NTDB id	213874	SEEP0729	RS22495	WP	000050218.1	MSLAFTK	TRAAALGVN	APPITIE	EVHLSNGLPGLT	MTVGLPETTVKE	ARDVRS	AIINSGYEFPAKKIT	INLAPADLPKEGGR	80	
NTDB id	1153	A1552VC	RS00115	WP	000521788.1	MGLAI	IHSRAS	IGVQAPP	VTVEVH	ISNGMPGFT	TLVGLPETTVKES	RDRVRS	AIINSRFEFPAKR	ITVNLAPADLPKEGGR	80
NTDB id	1397	DSB67	RS15690	WP	005535577.1	MGLAI	IHSRAS	IGVQAPS	VSV	EVHLSNGM	PGFTLVGLPETTVKES	KDRVRS	AIIVNSNFQFPAKR	ITVNLAPADLPKEGGR	80
NTDB id	1349	HI	1117	AAC22771.1	MSLAIV	YSRAS	MGVQAPL	VTIEVH	LSNGKPGFT	LVGLPEKTVKE	AAQDRVRS	ALMNAQFKYPAKR	ITVNLAPADLPKEGGR	80	
NTDB id	1387	A4U84	RS06900	WP	020457569.1	MSLAIV	YSRAS	IGVEAPL	VTIEVH	ISGSGPLT	LVGLPEKSVKE	AAQDRVRS	ALMNAFDYPARRIT	INLAPADLPKEGGR	80
consensus						*!*									



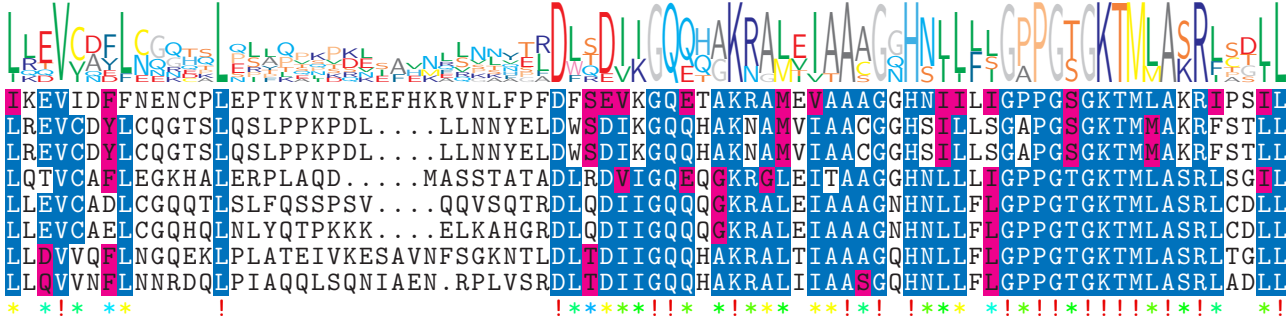
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NTDB id 1271 LPP RS03220 WP 011213198.1	FDLPIALGILAASEFIPLTNLANHEFIGELALSSELRGVSAIIPAVLAAHKDNQHLIIANANAAEASLTGHQKVFTANN	159
NTDB id 1248 GC085 RS03150 WP 011213198.1	FDLPIALGILAASEFIPLTNLANHEFIGELALSSELRGVSAIIPAVLAAHKDNQHLIIANANAAEASLTGHQKVFTANN	159
NTDB id 213874 SEEP0729 RS22495 WP 000050218.1	YDLPPIAVALAASEQLTASNLEAYELVVELALTGALRGVPGAISSATEAIRA.GRNTIVATENAAEVGLISKEGCFIADH	159
NTDB id 1153 A1552VC RS00115 WP 000521788.1	FDLPIALGILAASDQIARNKLESYEFIGELALSSEIRGVKGVLPAAALANQV.ERCLVVPHSNGDQAALVGVERHKSACS	159
NTDB id 1397 DSB67 RS15690 WP 005535577.1	FDLPIALGILAASEQIATDKLKNYEFVVELALSGQLRTVKGVLPAALAAANKK.QRHLVVPHANCDQAALVGKEQHKSACS	159
NTDB id 1349 HI 1117 AAC22771.1	FDLPIATGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIAPVLAQAQKS.KRELIIAKQNANAEASLVSQDNTYFAC	159
NTDB id 1387 A4U84 RS06900 WP 020457569.1	FDLPIATGILAASGQIDSDKLIKRIELLGELSLTGHLRGVHGAIPAVLAASKA.KREIIVPQQNANAEASLVSNTQTYYCAST	159
consensus	*!*	



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NTDB id 1323 RAOC RS07335 WP 004916218.1	IKEVIDEFNENCPLEPTKVNTRREEFHKRVNLPFPDFSEVKGQETAKRAMEVAAAGGHNIIILIGPPSGSGKTMLAKRIPSIL	238
NTDB id 1271 LPP RS03220 WP 011213198.1	LREVCYDL CQGTS LQSLPPKPD L... LLNNYEL DWS DIKGGQGHAKNAMVIAACGGHS ILLSGAPSGSGKTMLAKRFSTLL	235
NTDB id 1248 GC085 RS03150 WP 011213198.1	LREVCYDL CQGTS LQSLPPKPD L... LLNNYEL DWS DIKGGQGHAKNAMVIAACGGHS ILLSGAPSGSGKTMLAKRFSTLL	235
NTDB id 213874 SEEP0729 RS22495 WP 000050218.1	LQTVCAFL EGKHALERPLAQD... MASSTATA DL RDVIGGEQ GKRGLE ITAAGGHNLL LIGPPGTGKTMLASRLSGITL	234
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LLEVCA DL CQGQTL S L FQSSPSV... QQVSQTRD LQDIIGQQQ GKRALE IAAAGNHNLL FLGPPGTGKTMLASRLCDLL	235
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NTDB id 1349 HI 1117 AAC22771.1	LLDVVQFL NGQEK LPLATEIVKESAVNFS GKNTL DLT DIIGQQGHAKRALITAAAGQHNL FLGPPGTGKTMLASRLTGLL	239
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LLQV VNF LNNRDQLPIAQLSQNIAEN.RPLVSRDLT DIIGQQGHAKRALITAAAGQHNL FLGPPGTGKTMLASRLADLL	238
consensus	* * ! * * * ! * * * * * ! * * * * * ! * *	



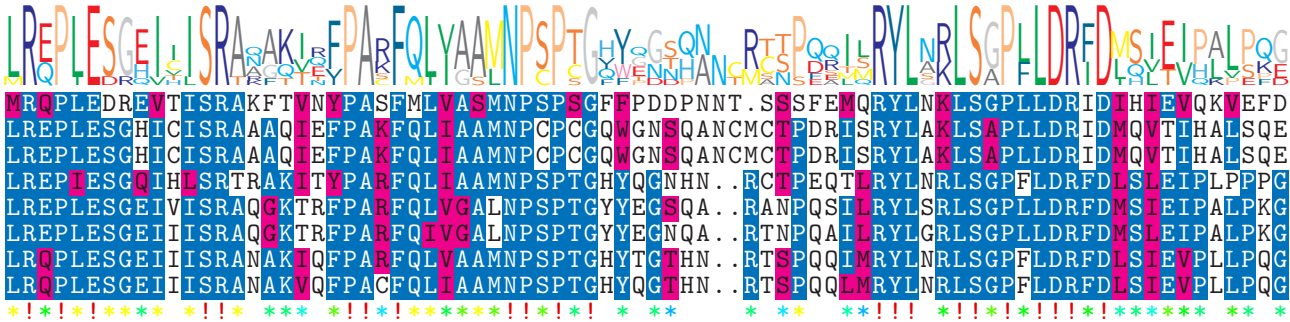
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NTDB id 1271 LPP RS03220 WP 011213198.1	PELSEETCALECAAINSIRGKLPDF.REWRLPFRAPHHTASPV	ALVGGGNPP	PKPGEISLAHNGVLF	LDDELPEFNRQVLE	T	314
NTDB id 1248 GC085 RS03150 WP 011213198.1	PELSEETCALECAAINSIRGKLPDF.REWRLPFRAPHHTASPV	ALVGGGNPP	PKPGEISLAHNGVLF	LDDELPEFNRQVLE	T	314
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NTDB id 1153 A1552VC RS00115 WP 000521788.1	PEMSDEEAMETASIASLTQGEINQ.HNWKLRPFRAPHHSSMA	ALVGGGTIP	PRPGEISLAHNGLL	FLDDELPEFERK	VLD	314
NTDB id 1397 DSB67 RS15690 WP 005535577.1	PEMSDEEAMETASVASLTQSEINE.HNWKLRPFRAPHHSSMA	ALVGGGSV	PRPGEISLAHNGLL	FLDDELPEFERK	VLD	314
NTDB id 1349 HI 1117 AAC22771.1	PEMTDLEAMETASVTSLVQNELNF.HNWKQRPFRAPHHSSAM	ALVGGGTIP	PKPGEISLAHNGVLF	LDDELPEFERK	VLD	318
NTDB id 1387 A4U84 RS06900 WP 020457569.1	PEMEDLEAMETASVTSLVQNELNF.QNWKQRPFRSPHHSASMV	ALVGGGSIP	PKPGEISLAHNGVLF	LDDELPEFERK	VLD	317
consensus	!**** *! *! * * ! * * *	* * * * * ! *				



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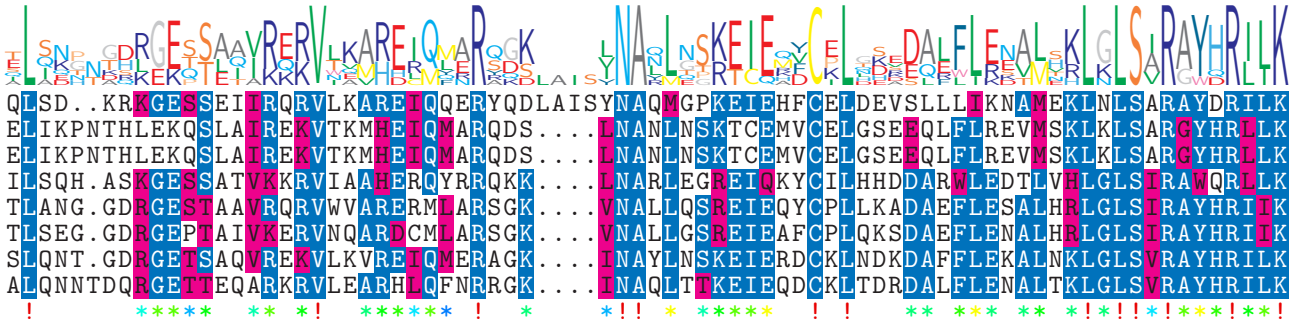
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consensus



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NTDB id 1323 RAOC RS07335 WP 004916218.1
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consensus



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NTDB id 1323 RAOC RS07335 WP 004916218.1
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consensus



510
503
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510

☐ non conserved
☒ similar
☒ ≥ 50% conserved