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NTDB id 1473 PAKAF RS24000 WP 003094694.1	..MSRQKALIVDDEPDIRELLEITLCGRMKIDTSARNVKEARELLAREPFDLCLTDMRLPDGSGGLDLVKHVSQNYNTPPIAVLTA	83
NTDB id 44936 ABK1 RS01490 WP 000840549.1	MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGIDLVKHVSQNYTNTPIAVLTA	85
NTDB id 1045 HON27 RS16330 WP 168727019.1	MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGDLVKHVSQNYNTPPIAVLTA	85
consensus	*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!	

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NTDB id 1473 PAKAF RS24000 WP 003094694.1	YGSIDTAIQALKAGAFDFLTQKPVNLQVHLQQLQKALNRQKVEHDAENALENKLLIGRSLPIQQLRIAIAKKIARSQAPVYVTGES	165
NTDB id 44936 ABK1 RS01490 WP 000840549.1	YGNMDIAIAALKAGAFDFVSKPVNQVHLQQLQKALNRQKVEHDAENALENKLLIGRSLPIQQLRIAIAKKIARSQAPVYVTGES	170
NTDB id 1045 HON27 RS16330 WP 168727019.1	YGNMDIAIAALKAGAFDFVSKPVNQVHLQQLQKALNRQKVEHDTTENALENKLLIGRSLPIQQLRIAIAKKIARSQAPVYVTGES	170
consensus	!!**!*!!!!!!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!	

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NTDB id 1473 PAKAF RS24000 WP 003094694.1	CSGKELVARLTHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGATQDKQGLFQAASGGTLFLDEVADLPMAMQVKLLRA	250
NTDB id 44936 ABK1 RS01490 WP 000840549.1	GTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLDEIAELPLSMQVKLLRA	255
NTDB id 1045 HON27 RS16330 WP 168727019.1	GTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLDEIAELPLSMQVKLLRA	255
consensus	!*!!!!*!*!*!*!*!*!*!*!*!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!	

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NTDB id 1473 PAKAF RS24000 WP 003094694.1	IQEKAIVRAVGQQEVAVDVRIICATHKDIAAEVGAQFRQDIYRINVIELRVPLRERREDIPLLAERIIRKRIAGDTGLPAARL	335
NTDB id 44936 ABK1 RS01490 WP 000840549.1	VQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMIDLILPPLRERGEDVLLLАНHFQIKICMEWETPPKQL	340
NTDB id 1045 HON27 RS16330 WP 168727019.1	VQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMIDLILPPLRERGEDVLLLАНHFQIKICMEWETPPKQL	340
consensus	*!!!!*!*!*!*!*!*!*!*!*!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!	

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NTDB id 1473 PAKAF RS24000 WP 003094694.1	TGDAQEKLNRYRFPGNVRELENMIERAYTLCEDDQIQPHDLRLADAPGASQ.....EGAAASLSEIDNLEDYLE	404
NTDB id 44936 ABK1 RS01490 WP 000840549.1	TEAAETYLLQQHFPGNVRELNRMIERAITLSEDITIDVSHLHPAPLRANISNPFASAAQSIQTTVAAPQVVKKLPSSEGLERYLEN	425
NTDB id 1045 HON27 RS16330 WP 168727019.1	TEAAETYLLQQHFPGNVRELNRMIERAITLSEDATIDVSHLHPAPLRANISNPFASAAQSIQTTVAAPQVVKKLPSSEGLERYLEN	425
consensus	!*!*!*!*!*!*!*!*!*!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!	

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NTDB id 1473 PAKAF RS24000 WP 003094694.1	IEKDLLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEDEV	445
NTDB id 44936 ABK1 RS01490 WP 000840549.1	IEKDLLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEDEV	473
NTDB id 1045 HON27 RS16330 WP 168727019.1	IEKDLLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEDEV	473
consensus	!!*****!*!*!*!*!*!*!*!*!*!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!*!*!*!*!*!!!!	

 non conserved
 similar
 ≥ 50% conserved