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NTDB id 1045 HON27 RS16330 WP 168727019.1	MAEQQPLVLLVDDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPGDGSGLDLVKHVSQNYPTNTPI	80
NTDB id 1043029 ABQ039 RS14885 WP 349777982.1	.MNEPKSALVDDDERDIRELLVLTGLRMGLRISTAAFLAEARELLANNPYDLCLTDMRLPDGNGTIELVTEIAKHYPQTPV	79
NTDB id 1473 PAKAF RS24000 WP 003094694.1	..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSAARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV	78
consensus	*!!!!!!!! !***** *!!!!!!!!***** *! ** *!!!!!!!!***** *!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! * * *!!!!!!!!	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	AVLTAYGNMDIAIAALKAGAFDFVSKPVDQVHLDDQLLQKALNRQKVHDT..TENALENKLTLGRSLPIQQLRIAIAIKKTA	158
NTDB id 1043029 ABQ039 RS14885 WP 349777982.1	AMITAFGSMDLAVEALKAGAFDFVSKPVDISVLRGLVKHAELENNRDRPAPPPPPPEQASRLLDGSGAMEGLRATIGKVA	159
NTDB id 1473 PAKAF RS24000 WP 003094694.1	AMITAYGSLDTAIQALKAGAFDFLTCKPVDLGRRLRELVTALRLRNPEAEAEA....PVDNRLLGESPPMRALRNQIGKLA	153
consensus	!!!!!!!!*!!*!!* !!!!!!!!!!!*!!!!!!* !* !* !! *** *	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	RSQAPVYIVGESGIGKELVARLIHEQGRSEGPFFVYVNCGAIPTELMESEFFGHKKGSFTGATQDKQGLFQAAHGGTLFLL	238
NTDB id 1043029 ABQ039 RS14885 WP 349777982.1	RSQAPVYIVGESGVGKELVARTIHEQGARAAGPFVVPVNCGAIPAELMESEFFGHKKGSFTGAHADKPGFLFQAAHGGTLFLL	239
NTDB id 1473 PAKAF RS24000 WP 003094694.1	RSQAPVYISGESGSGKELVARLIHEQGPRIERPFVVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAAASGGTLFLL	233
consensus	!!!!!!!!*!!*!!* !!!!!!!!!!!*!!!!!!* ! *!!!!*!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!*!!*!!*	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	DEVAELPLMQVKLLRAIQEKSVRVPVSSQEVVDVRILSATHKDLGLLVGRFRQDLYYRINVIELRVPPPLRERGEDY	318
NTDB id 1043029 ABQ039 RS14885 WP 349777982.1	DEVAELPLMQVKLLRAIQEKSVRVPVSSQEVVDVRILSATHKDLGLLVGRFRQDLYYRINVIELRVPPPLRERGGDL	319
NTDB id 1473 PAKAF RS24000 WP 003094694.1	DEVADLPYAMQVKLLRAIQEKAVRAVGGQVEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPPLRERREDI	313
consensus	!!!!!!!!* !!!!!!!!!!!*!!!!!!* *!!!!* *! *!!!!!!!!*!!!!!!!!* *! !!!!!!!!!*!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	LLLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRANISNPFASAA	398
NTDB id 1043029 ABQ039 RS14885 WP 349777982.1	PQLAAATIAARLAHSHGRPIPLLTQSALDALDQYGFPGNVRELENILERALALAEDDQISATDLRLPAHGHR...LAATP	396
NTDB id 1473 PAKAF RS24000 WP 003094694.1	PLLAERIILKRLAGDTGLPAARLTGDAQEKLNRYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGAS...QEGAA	390
consensus	**!! ** *** * * ! ! ! * ! * * !!!!!!!!!!!!!!!!!*!!!!!!*!! !!!!! *!!!!* * *!!!!	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	QSIQVTVREPSYWKKBSEENLEYLENLERKTLQAL EETRINRTAAQRGLTFRSLRYRLKKLGMDTETETEVEV	473
NTDB id 1043029 ABQ039 RS14885 WP 349777982.1	GSAAVEPREAVVDIDPASAAALPSYTEQLERAATQKALEENRWNNKTKTAAQLGITFRALRYLKKKLGME.....	464
NTDB id 1473 PAKAF RS24000 WP 003094694.1	SL.....SEIDNLEDYLEDIERKLIMQALEETRWNRTAAQRGLTFRSMRYRLKKLGID.....	445
consensus	* * **** * !!!!! * **** !!!!!!!!!!!!!!!!!*!! *!!!!*!!!!!!!!*!!!!!!!!*!!	

 non conserved
 similar
 ≥ 50% conserved