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NTDB id 1045 HON27 RS16330 WP 168727019.1	MAEQQPLVLLVDDDEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPGDGSGLDLVKHVSQNYPTPTI	80
NTDB id 1039603 ABQZ63 RS15395 WP 008575092.1	.MNEPKSALVDDDERDIRELLVLTGLRMGLRISTAAFLAEARELLANNPYDLCLTDMRLPDGNGTIELVTEIAKHYPQTPV	79
NTDB id 1473 PAKAF RS24000 WP 003094694.1	..MSRQKALIVDDEPDIRELLEITLGRMKLDRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV	78
consensus	*!!!!!!!! !***** *!!!!!!!!***** *! ** *!!!!!!!!***** *!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! * * *!!!!!!!!	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	AVLTAYGNMDIATAALKAGAFDFVSKPVDQGYLRVLAALRLNVEERPTTPPPYNSRLLGSSPMRLRNTQIGKYA	158
NTDB id 1039603 ABQZ63 RS15395 WP 008575092.1	AMITAFGSMDLAVEALKAGAFDFVSKPVDIGVLRGLVKHAELENNRDRPAPPPPPPEQASRLLDSSAMESLRATIGKVA	159
NTDB id 1473 PAKAF RS24000 WP 003094694.1	AMITAYGSLDTAIQALKAGAFDFLTTPVDLGRRLRELVTALRLRNPEAEAEA....PVDNRLLGESPPMRALRNQIGKLA	153
consensus	!!!!!!!!*!!*!!* *!!!!!!!!!!!!!!!!***** !* !* !! *** *	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	RSQAPVYIYGESGSGKELVARLIHEQGRSEGPFVYVNCGAIPTELMSESEFGHKKGSFTGATQDKQGLFQAAHGGTFL	238
NTDB id 1039603 ABQZ63 RS15395 WP 008575092.1	RSQAPVYIVGESGVGKELVARTIHEQGARAPGPFVYVNCGAIPAELMESEFFGHKKGSFTGAHADKPGLFQAAHGGTFL	239
NTDB id 1473 PAKAF RS24000 WP 003094694.1	RSQAPVYISGESGSGKELVARLIHEQGPRIERPFVYVNCGAIPSELMSESEFFGHKKGSFTGAIEDKQGLFQAAASGGTFL	233
consensus	!!!!!!!!*****!!!!*!!!!!!!!***** ! **!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!*****!!!!!!	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	DEVAELPLMQVKLLRAIQEKSVRVPVSSQEVVDVRILSATHKDLSDLVSGRFRQDLYYRINVIELRVPPLRERGEDY	318
NTDB id 1039603 ABQZ63 RS15395 WP 008575092.1	DEVAELPLMQVKLLRAIQEKSVRVPVGSSESLVDVVRILSATHKDLSDLVSDGRFRHDLYYRINVIELRVPPLRERGGDL	319
NTDB id 1473 PAKAF RS24000 WP 003094694.1	DEVADLPYAMQVKLLRAIQEKAVRAVGGQVEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDI	313
consensus	!!!!!!!!* *!!!!!!!!!!!!!!!!***** !***** *!* !!!!!!!!!*****!!!!!! *! !!!!!!!!!*****!!!!!!!!!!!!!!!!!!!!!!*	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	LLLANHFIQKICMEWETPPKQLTEAAETYLLQHFPGNVRELNRMIERAITLSEDATIDISHLHPAPLRA.NISNPFASA	397
NTDB id 1039603 ABQZ63 RS15395 WP 008575092.1	PQLAAATIAARLAHSHGRPIPLLTQSALDALNHYGFPNVRELENILERALALAEDDQISATDLRLPAHGHRHAVPNCGA	399
NTDB id 1473 PAKAF RS24000 WP 003094694.1	PLLAERIILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQ.....	386
consensus	**!! ** *** * * ! ! ! * ! * * !!!!!!!!!!!!!!!!!*****!!!!!! !!!!! *!!!!** * * * * *	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	AQSIQTTVAAAPQAVKKLPSECLERYLENIKEDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEDEV	473
NTDB id 1039603 ABQZ63 RS15395 WP 008575092.1	AAE....QREAVVDIDPASAAALPSYTEQLERAAIQQKALEENRWNNKTKTAAQLGITFRALRYKLKKLGMD.....	464
NTDB id 1473 PAKAF RS24000 WP 003094694.1	..E....GAASLS....EIDNLEDYLEDIERKLIMQALEETRWNRTAAARLGLTFRSMRYRLKKLGID.....	445
consensus	* * ** * **** * !***** *****!!!!!!*!! *! *!!!!!!!!!!!!!!!!!!!!!!*!!	

 non conserved
 similar
 ≥ 50% conserved