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NTDB id 1045 HON27 RS16330 WP 168727019.1	MAEQQPLVLLVDDDEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPGDGSGLDLVKHVSQNYPNPTPI	80
NTDB id 1000583 ABFU48 RS05295 WP 323530785.1	.MNETKSALVDDDERDIRELLVLTGLRGMGLRISTAAFLAEARELLASNPYDLCLTDMRLPDGNGTIELVTEIARQYPQTPV	79
NTDB id 1473 PAKAF RS24000 WP 003094694.1	..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSAARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV	78
consensus	*!*!!!!!!*!!!!*!*!!!!!!*!!**!*!!!!*!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	AVLTAYGNMDIATAALKAGAFDFVSKPVDQVHLDDQLLQKALNRQKVHDT..TENALENKLTLGRSLPIQQLRIAIAIKKTA	158
NTDB id 1000583 ABFU48 RS05295 WP 323530785.1	AMITAFGSMDLAVEALKAGAFDFVSKPVDISVLRGLVKHALELNRRDPAPPPPPPEQASRLLDSTAMESLRSTIGKVA	159
NTDB id 1473 PAKAF RS24000 WP 003094694.1	AMITAYGSLDTAIQALKAGAFDFLTKPVDLGRRLRELVTATLRRLNPEAEAE...PVDNRLLGESPPMRALRNQIGKLA	153
consensus	!!!!!!*!!*!!*!!!!!!*!!!!!!*!!*!!*!!!!!!*!!*!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

logo

NTDB id 1045 HON27 RS16330 WP 168727019.1	RSQAPVYIVGESGIGKELVARLIHEQGRREGPFIPVNCGAIPTELMESEFFGHKKGSFTGATQDKQGLFQAAHGGTLFLL	238
NTDB id 1000583 ABFU48 RS05295 WP 323530785.1	RSQAPVYIVGESGVGKELVARTIHEQGARAAGPFIPVNCGAIPAELMESEFFGHKKGSFTGAHADKPGLFQAAHGGTLFLL	239
NTDB id 1473 PAKAF RS24000 WP 003094694.1	RSQAPVYISGESGSGKELVARLIHEQGPRIERPFVNVCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAAASGGTLFLL	233
consensus	!!!!!!*!!*!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

logo

NTDB id 1045 HON27 RS16330 WP 168727019.1	DEVAELPLMQVKLLRAIQEKVRVPGSSQEVVDVRILSATHKDLGLLVGRFRQDLYYRINVIELRVPPLRERREDY	318
NTDB id 1000583 ABFU48 RS05295 WP 323530785.1	DEVAELPLMQVKLLRAIQEKSVRPGASGETLVDVRILSATHKDLGLVSDGRFRHDLYYRINVIELRVPPLRERSGDL	319
NTDB id 1473 PAKAF RS24000 WP 003094694.1	DEVADLPYAMQVKLLRAIQEKAVRANGGQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRERREDI	313
consensus	!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	LLLANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELNRMIERATITLSEDATIDISHLHPAPLRANISNPFASAA	398
NTDB id 1000583 ABFU48 RS05295 WP 323530785.1	PQLAAATIAARLARSHGRPIPLLTQSALDALNQYGFPGNVRELENILERALALAEDDLISATDLRLPAHGHRH...AASP	396
NTDB id 1473 PAKAF RS24000 WP 003094694.1	PLLAERIILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQ...EGAA	390
consensus	**!!**!!**!!*!!*!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

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NTDB id 1045 HON27 RS16330 WP 168727019.1	QSIQTTVAAPQAV..KKLPSECLERYLENIEKDILLNALNMTHWNRTLAACKLGMTFRSLRYRLKKFGLDTETETEVEV	473
NTDB id 1000583 ABFU48 RS05295 WP 323530785.1	G..TAAVEPREAVVDIDPASSALPSYTEQLERAATIKKALEENRWNNKTKTAAQLGITFRALRYLKKKLGME.....	464
NTDB id 1473 PAKAF RS24000 WP 003094694.1	S.....L.....SEIDNLEDYLEDIERKLIMQALEETRWNRTAAARLGLTFRSMRYRLKKLGLD.....	445
consensus	*!!**!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!*!!!!!!	

X

non conserved

X

similar

X

≥ 50% conserved