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NTDB id 1473 PAKAF RS24000 WP 003094694.1	..MSRQKALIVDDEPDIRELLEITLCRMKLDTRSAARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPTQTPV	78
NTDB id 1002665 ABEF81 RS01325 WP 161788389.1	MVEQQPLVLLVDDEEDLCTLMQMSLMRMGIRTHIAHRLLEDAKRRLTDHQYDACLTDLNLPDGNGLQLLDFISEHYPSPV	80
NTDB id 1045 HON27 RS16330 WP 168727019.1	MAEQQLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYNPNTPI	80
consensus	* *****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!	

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NTDB id 1473 PAKAF RS24000 WP 003094694.1	AMITAYGSLDTAIQALKAGAFDFLTQKPVNQLRLRELVTATLRRLNP...AEEAPVDNRLLGESPPMRALRNQIGKLIARS	155
NTDB id 1002665 ABEF81 RS01325 WP 161788389.1	AVLTAYGNMDIAIAALKAGAFDFVSKPINQKHLEQLIQKALNKPANYASNQEDTLEYKMLIGQSKPIQQLRATLRKIARS	160
NTDB id 1045 HON27 RS16330 WP 168727019.1	AVLTAYGNMDIAIAALKAGAFDFVSKPVNQHLDQLLQKALNRQKV EHDTTENALENKL LIGRSLPIQQLRIA IKKIARS	160
consensus	!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!	

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NTDB id 1473 PAKAF RS24000 WP 003094694.1	QAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFLDE	235
NTDB id 1002665 ABEF81 RS01325 WP 161788389.1	QAPVFITGESGTGKEVVANLVHRLSNRSEGPPIAINGCAIPTELMESELFGHKKGSFTGATQDKQGLIQSAHGGSLFLDE	240
NTDB id 1045 HON27 RS16330 WP 168727019.1	QAPVFVTGESGTGKEVVANLVHRLSNRSEGPPIAINGCAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLDE	240
consensus	!!!!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!	

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NTDB id 1473 PAKAF RS24000 WP 003094694.1	VADLPAMQVKLLRAIQEKAVRAVGQGEVAVDVRIICATHKDLAAEVGAGRFRQDLYYRLNVIELRVPLRERREDIPL	315
NTDB id 1002665 ABEF81 RS01325 WP 161788389.1	IAELPLSMQVKLLRAVQEKRI RPLVGSQDEIDVDFRVISASHQDLEALVQGGKFRQDLFFRIHVMDLVLPPLRERGN DILL	320
NTDB id 1045 HON27 RS16330 WP 168727019.1	IAELPLSMQVKLLRAVQEKKIRPVGSDQDEIDVDFRVISASHQDLDLVRQGGKFRQDLFFRIHVMDLILPPLRERGEDVLL	320
consensus	*!!!!!!!!!!!!!!!!!!!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!	

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NTDB id 1473 PAKAF RS24000 WP 003094694.1	LAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGAS.....	385
NTDB id 1002665 ABEF81 RS01325 WP 161788389.1	LAEHFIQKICQEWQIPAKRLTERSKELLITQYYPGNVRELNMIERAITLSDEDIIDIQHLQTAPLRQSFVTPENTLAST	400
NTDB id 1045 HON27 RS16330 WP 168727019.1	LANHFIQKICMEWETPPKQLTEAAETYLLQQHFPGNVRELNMIERAITLSDEATIDISHLHPAPLRANISNPFASAAQS	400
consensus	!!***** * * * *!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!	

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NTDB id 1473 PAKAF RS24000 WP 003094694.1	..Q.....EG.....AASLSEIDNLEDYLEDIERKLIHQALEETRWNRATAAQRLGLTFRSMRYRLKKLGID.....	445
NTDB id 1002665 ABEF81 RS01325 WP 161788389.1	SESNSNTHNGSDAFIVPKKLPEEGLELYMEKIEKEILLNALNLTHWNRTLAAKKLGMSFRSLRYRLKKFGLDTEEE...	476
NTDB id 1045 HON27 RS16330 WP 168727019.1	IQ.....TTVAAPQAVKKLPS EGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETEVEQEV	473
consensus	* * * * * *****!!!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!	

- non conserved
- similar
- ≥ 50% conserved