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NTDB id 1473 PAKAF RS24000 WP 003094694.1	..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSAARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPTQTPV	78
NTDB id 1002830 ABEF90 RS01355 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	AMITAYGSLDTAIQALKAGAFDFLTQKPVDLGRRLRELVTATLRRLNPE...AEEAPVDNRLLGESPPMRALRNQIGKLIARS	155
NTDB id 1002830 ABEF90 RS01355 WP 161788389.1	AVLTAYGNMDIAIAALKAGAFDFVSKPINQKHLEQLIQKALNKPANYASNQEDTLEYKMLIGQSKPIQQLRATLRKIARS	160
NTDB id 1045 HON27 RS16330 WP 168727019.1	AVLTAYGNMDIAIAALKAGAFDFVSKPVNVHLDDLQKALNRQKV EHDTTENALENKL LIGRSLPIQQLRIA I KKIARS	160
consensus	!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!	

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NTDB id 1473 PAKAF RS24000 WP 003094694.1	QAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGGTLFLDE	235
NTDB id 1002830 ABEF90 RS01355 WP 161788389.1	QAPVFITGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLIQSAHGGSLFLDE	240
NTDB id 1045 HON27 RS16330 WP 168727019.1	QAPVFTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGGSLFLDE	240
consensus	!!!!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!	

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NTDB id 1473 PAKAF RS24000 WP 003094694.1	VADLPAMQVKLLRAIQEKAVRAVGGQVEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVLIELRVPLRERREDIPL	315
NTDB id 1002830 ABEF90 RS01355 WP 161788389.1	IAELPLSMQVKLLRAVQEKRI RPLGSDTEIDVDFRVISASHQDLEALVQGGKFRQDLFFRIHVMDLVLPPLRERGN DILL	320
NTDB id 1045 HON27 RS16330 WP 168727019.1	IAELPLSMQVKLLRAVQEK KIRPVGSDQEIDVDFRVISASHQDLDLVRQGGKFRQDLFFRIHVMDL I LPLRERGEDVLL	320
consensus	*!!!!!!!!!!!!!!!!!!!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!	

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NTDB id 1473 PAKAF RS24000 WP 003094694.1	LAERILKRLAGDTGLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGAS.....	385
NTDB id 1002830 ABEF90 RS01355 WP 161788389.1	LAEHFIQKICQEWQIPAKRLTERSKELLITQYYPGNVRELNIERAITLSDEDIIDIQHLQTAPLRQSFVTPENTLAST	400
NTDB id 1045 HON27 RS16330 WP 168727019.1	LANHFIQKICMEWETPPKQLTEAAETYLQQHFPGNVRELNMIERAITLS DATIDISHLHPAPLRANISNPFASAAQS	400
consensus	!!***** * * * *!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!	

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NTDB id 1473 PAKAF RS24000 WP 003094694.1	..Q.....EG.....AASLSEIDNLEDYLEDIERKLI MQALEETRWNRATAAQRLGLTFRSMRYRLKKLGID.....	445
NTDB id 1002830 ABEF90 RS01355 WP 161788389.1	SESNSNTHNGSDAFIVPKKLPEEGLELYMEKIEKEILLNALNLTHWNRTLAAKKLGMSFRSLRYRLKKFGLDTEEE...	476
NTDB id 1045 HON27 RS16330 WP 168727019.1	IQ.....TTVAAPQAVKKLPS EGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMTFRSLRYRLKKFGLDTETE QEV	473
consensus	* * * * * *****!!!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!	

- non conserved
- similar
- ≥ 50% conserved