logo

MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI

NTDB id 1045 H0N27 RS16330 WP 168727019.1	MAEQQPLVLLVDDEEDLCLLMQMTLARMGIKTHLAYRVEQAKQLFTQFHYDACLTDLNLPDGSGLDLVKHVSQNYPNTPI 80
NTDB id 160887 CAter10 RS18530 WP 061534578.1	..MTSPRILVDDEAHLRELLEIALVKMGLDVDSAENLTVARARLAQHDYALILTDMRLPDGLGIELVREVICGEKVIPI 78
NTDB id 1473 PAKAF RS24000 WP 003094694.1	..MSRQKALIVDDEPDIRELLEITLGRMKLDTRSARNVKEARELLAREPFDLCLTDMRLPDGSGLDLVQYIQQRHPQTPV 78

consensus   ** ***!*!!!! ***********!***!*!! **! *! *! ** ****!!!!!!!!!!!!!!*! *** ***!*

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AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHDT......TENALENKLLIGRSLPIQQLRIAI

NTDB id 1045 H0N27 RS16330 WP 168727019.1	AVLTAYGNMDIAIAALKAGAFDFVSKPVNQVHLDQLLQKALNRQKVEHDT......TENALENKLLIGRSLPIQQLRIAI 154
NTDB id 160887 CAter10 RS18530 WP 061534578.1	AVITAYGSADNAVMALKAGAFDYLSKPVALDQLRLMVQSALRIGKPAEQNRPQPDARVRGGPGLRLIGQSAAMQELRTQI 158
NTDB id 1473 PAKAF RS24000 WP 003094694.1	AMITAYGSIDTAIQALKAGAFDFLTKPVDLGRLRELVATALRLRNPEAEEAPV.........DNRLLGESPPMRALRNQI 149

consensus   !*!!!!!***!!*** ! !!!!!!!!!!!*!!! ! ! ****!!!*!!! *** * * *!!*! ! *** !! *!

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KKIARSQAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGG

NTDB id 1045 H0N27 RS16330 WP 168727019.1	KKIARSQAPVFVTGESGTGKEVVANLVHRLSNRSEGPFIAINCGAIPTELMESELFGHKKGSFTGATQDKQGLILSAHGG 234
NTDB id 160887 CAter10 RS18530 WP 061534578.1	VRLARSMAPVAITGESGSGKELAARDIHALSPRADKPFVAVNCGAIPEALMEAEFFGYRKGAFTGAADDRDGFFQAANGG 238
NTDB id 1473 PAKAF RS24000 WP 003094694.1	GKLARSQAPVYISGESGSGKELVARLIHEQGPRIERPFVPVNCGAIPSELMESEFFGHKKGSFTGAIEDKQGLFQAASGG 229

consensus   **!!!***** *!!!! !!!!!*!***! ** ! *** *!!***!!!!!!*!!*!!!!!!*!!*!!**!!! *! !!

logo

SLFLDEIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRER

NTDB id 1045 H0N27 RS16330 WP 168727019.1	SLFLDEIAELPLSMQVKLLRAVQEKKIRPVGSDQEIDVDFRVISASHQDLDLLVRQGKFRQDLFFRIHVMDLILPPLRER 314
NTDB id 160887 CAter10 RS18530 WP 061534578.1	TLMLDEVADLPLAMQVKLLRAIQERRVRKVGATAEEAVDVRLISATHQNLSECVESGRFRQDLYYRLNVIELKLPPLRER 318
NTDB id 1473 PAKAF RS24000 WP 003094694.1	TLFLDEVADLPMAMQVKLLRAIQEKAVRAVGGQQEVAVDVRILCATHKDLAAEVGAGRFRQDLYYRLNVIELRVPPLRER 309

consensus   *!*!!**!*!!*!***!*!*!!!*! !!!* *!****!!!***!!***!*!**!   ! !*!!!!!!**!**!**!!!!!!

logo

GEDVLLLANHFIQKICMEW.ETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRAN....

NTDB id 1045 H0N27 RS16330 WP 168727019.1	GEDVLLLANHFIQKICMEW.ETPPKQLTEAAETYLLQQHFPGNVRELRNMIERAITLSEDATIDISHLHPAPLRAN.... 389
NTDB id 160887 CAter10 RS18530 WP 061534578.1	LDDISLLVAAILGRLSVFAPQAEQASLTPAALEALRAYAFPGNVRELENILERALAFANDGLIEVADLGLKGVAGARPAE 398
NTDB id 1473 PAKAF RS24000 WP 003094694.1	REDIPLLAERIILKRLAGDT.GLPAARLTGDAQEKLKNYRFPGNVRELENMLERAYTLCEDDQIQPHDLRLADAPGASQEG 388

consensus   *!* !!* ** * ** ** !! *!*! ** !! *!**** !!!!!!*!!!!**!!!*!!***!*!*!!!**!*! **

logo

..................ISNPFASAAQSIQTTVA...APQAVKKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMT

NTDB id 1045 H0N27 RS16330 WP 168727019.1	..................ISNPFASAAQSIQTTVA...APQAVKKLPSEGLERYLENIEKDILLNALNMTHWNRTLAAKKLGMT 452
NTDB id 160887 CAter10 RS18530 WP 061534578.1	ASMFDDGEIDALAGVGAPIASAAMTASETAVAGAGMQRAGLELPPSLPDYLDDIERDVIRQALARTHFNRTKAADLLGIS 478
NTDB id 1473 PAKAF RS24000 WP 003094694.1	..................AASLSEIDNLEDYLEDIERKLIMQALEETRWNRTAAAQRLGLT 431

consensus   * * **** * * *   * *** ** * *** ! *!**!!**!**!****!! !**!!! !! !**!!*

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logo                                    FRSLRYRLKKLGID TQT
                                           QM  M QRFSLHEEDEQEV

NTDB id 1045 H0N27 RS16330 WP 168727019.1    FRSLRYRLKKFGLDTETEQEV    473
NTDB id 160887 CAter10 RS18530 WP 061534578.1 FRQLRYRMQRLSIHEQD....   495
NTDB id 1473 PAKAF RS24000 WP 003094694.1    FRSMRYRLKKLGID.......    445
consensus                                    !!**!!!*******
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X non conserved

X similar

X ≥ 50% conserved