logo

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NTDB id 31206 NGK RS00285 WP 012503341.1  MNKTLKRRVFRHTALYAAILMFSHTGGGGTQAQTRKYAIIMNERKQPEVKWEGQYSQSTLKDKGRERTFSHTSQRNWNGQQNNFI   85
NTDB id 1090 CAA90909.1 1..3114( )        MNKTLKRQVFRHTALYAAILMFSHTGGGGAMAQTHKYAIIMNERNQLEVKGNGQYST..IKDKDRERKFIYNKDRGG....GGSV   79
consensus                                 !!!!!!!  !!!!!!!!!!!!!!!!!!!!!!  !!!*!!!!!!!!!  !*!!!  !!!!  ***!!!  !!!  !  *   !  ****   *
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logo

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NTDB id 31206 NGK RS00285 WP 012503341.1  SFNNSDELVSQQSGTAVFGTATYLPPYGKVSGFDTDSLKGRANAAGWIRTTRPGLAGYAYTGIRCGHARDCPKLTYKTRFSFDNP   170
NTDB id 1090 CAA90909.1 1..3114( )        FFDNTDTLVSQQRGTAVFGTATYLPPYGKVSGFDADGLQKRNNAVDWIHTTQAGLAGYAYTDVICRS.NQCPQLVYETKFSFDGI   163
consensus                                  !  !*!  !!!!!  !!!!!!!!!!!!!!!!!!!  !  !  !  !!  !!*!!  *!!!!!!!! *  !  **  !!  !  !  !*!!!!  *
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logo

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NTDB id 31206 NGK RS00285 WP 012503341.1  DLAKTGGRLDRHTESSRENSPIYKLKDYPWLGVSFNLGAEGTAKDGRSSSRLISSFDENNSNSNQNLVYTTEGRDISLGNWQSES   255
NTDB id 1090 CAA90909.1 1..3114( )        GLAKNAGSLDRHPDPSRENSPIYKLKDHPWLGVSFNLGSENTVKDGKSFNKLISSFSEGN..NNQTIVSTTRGHSISLSDWKREH   246
consensus                                  !!!  *!  !!!!***!!!!!!!!!!!!!*!!!!!!!!!!  !  !  !!!*!  *!!!!!  !  !** !!  *!  !!  !*  !!!   !  !*
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logo

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NTDB id 31206 NGK RS00285 WP 012503341.1  TAVAYYLNAKLHLLDKKKIKDIT.GKTVQLGVLKPSIDVKTQNTGFAGLLNFWSKWDIKDNGQIPVKLGLPEVKAGRCTNKPNPN   339
NTDB id 1090 CAA90909.1 1..3114( )        TAMAYYLNAKLHLLDKKGIEDIAQGKTVDLGTLRPRVEATVR...RGELLNFWATWKIEDKGNITVRLGLPEVKAGRCVNKANPN   328
consensus                                 !!*!!!!!!!!!!!!!!! !  !!  *!!!!  !!  !*!  **     *** *  !!!!!  !  !  !  !*!*!*!!!!!!!!!!!!  !!*!!!
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logo

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NTDB id 31206 NGK RS00285 WP 012503341.1  NNTKAPSPALTAPALWFGPVQNGKVQMYSASVSTYPGSSSSRIFLQELKTQTDPARPGRHSLAALNARDIKSREPNFNSRQTVIR   424
NTDB id 1090 CAA90909.1 1..3114( )        PNAKAPSPALTAPALWFGPVKDGKAEMYSASVSTYPDSSSSRIYLQNLKRKTDPGKPGRHSLETLTENDIKSREPNFTGRQTIIR   413
consensus                                 *! !!!!!!!!!!!!!!!!!  !!  !!!!!!!!!!  !!!!!!*!!  !!  !!!**!!!!!!  !  !!!!!!!!!  !!!*!!
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logo

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NTDB id 31206 NGK RS00285 WP 012503341.1  LPGGVYRIAPTR..DRIVGLNGNDGKNDTFGIYKERLVTPDADEWAKVLLPWTVRYYGNDDIFKTFNQPNNKKQSDKKQYSQKYR   507
NTDB id 1090 CAA90909.1 1..3114( )        LNGGVREIKLDRNNTEVVNFNGNDGNNDTFGIVKDLGVEPDTSEWKKVLLPWTVRGFADDNKFKAFNKEENN..DNKPKYSQKYR   496
consensus                                 !*!!!  !  * !**  *!  !!!!! !!!!!! !*  ! !!  !! !!!!!!!!! ** !  !! !! *  !  **  !* !!!!!!
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logo

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NTDB id 31206 NGK RS00285 WP 012503341.1  IRTKEDDNDKPRDLGDIVNSPIVAVDGYLATSANDGMVHLFKRNGTDQRGYELKLSYIPGTMPRQYFDNDTSALQDSDLAKELRT   592
NTDB id 1090 CAA90909.1 1..3114( )        SR...DNNKGERNLGDIVNSPIVAVGEYLATSANDGMVHIFKQSGGDKRSYNLKLSYIPGTMPRKDIQNT.....ESTLAKDVRT   573
consensus                                  !***!  !   *! !!!!!!!!!!!!  !!!!!!!!!!!!!*!!  ! ! !  ! !!!!!!!!!!!!     ! ******! !!!**!!
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logo

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NTDB id 31206 NGK RS00285 WP 012503341.1  FAEKGYVGDRYGVDGGFVLRRITDDQDKQKHFFMFGAMGLGGRGAYALDLSKIDSSNLTGVSMFDVQNDKNNNKNDNNRVKLGYT  677
NTDB id 1090 CAA90909.1 1..3114( )        FAEKGYVGDRYGVDGGFVLRKVDN.LNGQNRVFMFGAMGFGGRGAYALDLTKADGSDPTAVSLFDVKDNG...NNGNNRVELGYT  654
consensus                                 !!!!!!!!!!!!!!!!!!!!**  *   ! * !!!!!!! !!!!!!!!!!*! ! ! *!*!!*!!!    *** ! !!!! !!!!
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logo

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NTDB id 31206 NGK RS00285 WP 012503341.1  VGTPQIGKTQNGKYAAFLASGYAAKDI.NSNDNKTALYVYDLE.NGSGSLIKKIEAPSGKGGLSSPTLVDKDLDGTVDIAYAGDR  760
NTDB id 1090 CAA90909.1 1..3114( )        VGTPQIGKTHDGKYAAFLASGYATKEIITSGDNKTALYVYDLEGNGTNNLIKKIEVPGGKGGLSSPTLVDKDLDGTVDIAYAGDR  739
consensus                                 !!!!!!!!!* !!!!!!!!!!!!! !*!* ! !!!!!!!!!!!!*!!*  !!!!!! ! !!!!!!!!!!!!!!!!!!!!!!!!!!
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logo

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NTDB id 31206 NGK RS00285 WP 012503341.1  GGNMYRFDLSDSNPSKWSVSTIFEGQRPITSAPAVSRLADKRVVIFGTGSDLSESDVFNTDEQYIYGIFDDDKANVSVKVKDHMG  845
NTDB id 1090 CAA90909.1 1..3114( )        GGNMYRFDLSSQDPQQWSVRTIFEGTKPITSAPAISQLKDKRVVIFGTGSDLSEEDVDNMEEQYIYGIFDDDTATTGTVNFSDSG  824
consensus                                 !!!!!!!!!!    !  !!! !!!!! *!!!!!!!*! ! !!!!!!!!!!!!!!! !! ! *!!!!!!!!!!! !         * !
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logo

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NTDB id 31206 NGK RS00285 WP 012503341.1  DGLLKQNLTQ..ENKTLFLTNNKASGGSADKGWVVKLREGERVTVKPTVVLRTAFVTIRSYTGNDKCGAQTAILGINTADGGALT  928
NTDB id 1090 CAA90909.1 1..3114( )        GGLLEQVLRRDNDNKTLFLTDYKRSDGSGNKGWVVKLKDGQRVTVKPTVVLRTAFVTIHKYTGTDKCGAETAILGINTADGGKLT  909
consensus                                  !!! ! !  ***!!!!!!!  ! ! !!* !!!!!!!**! !!!!!!!!!!!!!!!!!* !!! !!!!! !!!!!!!!!!!! !!
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logo

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NTDB id 31206 NGK RS00285 WP 012503341.1  PRSARPIVPDHN.SVAQYSGHKKTSKGKSIPIGCMEKGGKTVCPNGYVYDKPVNVRYLDEKKTDDFPVTADGDAGGSGTFKEGKK  1012
NTDB id 1090 CAA90909.1 1..3114( )        KKSARPIVPEANTAVAQYSGHKKGTNGKSIPIGCMQKSNEIVCPNGYVYDKPVNVRYLDEKKTDGFSTTADGDAGGSGIDPAGKR  994
consensus                                 **!!!!!!!**!* !!!!!!!!! * !!!!!!!!! !    !!!!!!!!!!!!!!!!!!!!!!! !* !!!!!!!!!!  * !!*
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logo

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NTDB id 31206 NGK RS00285 WP 012503341.1  PARNNRCFSGKGVRTLLMNDLDSLDITGPMCGIKRLSWREVFF.  1055
NTDB id 1090 CAA90909.1 1..3114( )        SGKNNRCFSQKGVRTLLMNDLDSLDITGPTCGMKRISWREVFY*  1037
consensus                                 ***!!!!!! !!!!!!!!!!!!!!!!!! !!*!!*!!!!!!*
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X non conserved
X similar
X ≥ 50% conserved