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logo

NTDB id 222711 A6J50 RS05130 WP 080541915.1  MNKTWKRQVFRHTALYTAILMFSHTGGGGAQAQTYPYALVMNGQQLPEVKWGNSYNQLTHKNNTRQATFHSYFQGTRKKT   80
NTDB id 1090 CAA90909.1 1..3114( )           MNKTLKRQVFRHTALYAAILMFSHTGGGGAMAQTHKYAIIMNERNQLEVKGNGQYSTIKDKDRERKFIYNK...DRGGGG   77
consensus                                    !!!! !!!!!!!!!!! !!!!!!!!!!!!!! !!!**!!**!!  * *!!!    !  * *!    !    ** ***

logo

NTDB id 222711 A6J50 RS05130 WP 080541915.1  TFSFNNTDEVVAQKGDTVVFGAATYLPPYGKVSGFDERKLKERTNALNWINTTRPGLVGYHYQDSTCSSGNCPELSYKTQ  160
NTDB id 1090 CAA90909.1 1..3114( )           SVFFDNTDTLVSQQRGTAVFGTATYLPPYGKVSGFDADGLQKRNNAVDWIHTTQAGLAGYAYTDVICRSNQCPQLVYETK  157
consensus                                    *  ! !!! *! !   ! !!! !!!!!!!!!!!!!!   !  ! !!* !!*!! *!! !!*! !   ! ! *!! ! ! !

logo

NTDB id 222711 A6J50 RS05130 WP 080541915.1  FTFGHSSLAKKTNGGKLDIYEDKSRDGSPIYKLQGYSWLGVSFNLSGESTAES.KKLKNLVSSFSEEVTQNNGADSQHKD  239
NTDB id 1090 CAA90909.1 1..3114( )           FSFDGIGLAK..NAGSLDRHPDPSRENSPIYKLKDHPWLGVSFNLGSENTVKDGKSFNKLISSFSEGNNNQ.........  226
consensus                                    !*! *  !!!**!*! !! **!*!!* !!!!!!  **!!!!!!!!  ! !   *!    !*!!!!!   ***********

logo

NTDB id 222711 A6J50 RS05130 WP 080541915.1  KNLVYTTGDGRNNNKTHQDKHHAVAFYLNAKLHLLDKQQIKNITQGSELNLGVLKTRIEPTDAWKNQRHLVINADWEFKD  319
NTDB id 1090 CAA90909.1 1..3114( )           .TIVSTTRGHSISLSDWKREHTAMAYYLNAKLHLLDKKGIEDIAQGKTVDLGTLRPRVEATVR..RGELLNFWATWKIED  303
consensus                                    * *! !!  *      *   !*!*!*!!!!!!!!!!!  !  ! !!  * !! !**!*!*!  **   *!   ! !   !

logo

NTDB id 222711 A6J50 RS05130 WP 080541915.1  TGIVSVKLKLPEVKAGRCTNATHPNSKAKLLSPALTAPALWFGPVQNGKVQMYSASVSTYPDSSSSRIYLQNLKRKTDHS  399
NTDB id 1090 CAA90909.1 1..3114( )           KGNITVRLGLPEVKAGRCVNKANPNPNAKAPSPALTAPALWFGPVKDGKAEMYSASVSTYPDSSSSRIYLQNLKRKTDPG  383
consensus                                     ! **!*! !!!!!!!!! !  *!!* !! *!!!!!!!!!!!!!!  !!  !!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 222711 A6J50 RS05130 WP 080541915.1  KPGRYSLAALDAQNIKSHEPRFNGRQTVIRLPGGVYKISLGRNGGRVAGINGNDGKNDTFGIFKDRYVTPEADEWKKVLL  479
NTDB id 1090 CAA90909.1 1..3114( )           KPGRHSLETLTENDIKSREPNFTGRQTIIRLNGGVREIKLDRNNTEVVNFNGNDGNNDTFGIVKDLGVEPDTSEWKKVLL  463
consensus                                    !!!!*!!   !   * !!!*!! ! !!!!*!!!*!!!  ! ! !!   !   !!!!! !!!!!! !!   ! !*   !!!!!!!

logo

NTDB id 222711 A6J50 RS05130 WP 080541915.1  PWTVRASNDDGQFNTFNKEENN.SKPKYSQKYRIRENGNNSKRDLGDIVNSPIVVVGGYLATSANDGMVHIFKKNGGGDD  558
NTDB id 1090 CAA90909.1 1..3114( )           PWTVRGFADDNKFKAFNKEENNDNKPKYSQKYRSRDNN.KGERNLGDIVNSPIVAVGEYLATSANDGMVHIFKQS.GGDK  541
consensus                                    !!!!!*  !!   !  !!!!!!!* !!!!!!!!! !*! *   ! !!!!!!!!!! !! !!!!!!!!!!!!!!!  *!!!
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logo
NTDB id 222711 A6J50 RS05130 WP 080541915.1  RNYSLKLSYIPGTMPRKDIQSQDSTLAKELRAFAEKGYVGDRYGVDGGFVLRRITDDQDKQKHFFMFGAMGLGGRGAYAL   638
NTDB id 1090 CAA90909.1 1..3114( )           RSYNLKLSYIPGTMPRKDIQNTESTLAKDVRTFAEKGYVGDRYGVDGGFVLRKVDN.LNGQNRVFMFGAMGFGGRGAYAL   620
consensus                                    ! ! !!!!!!!!!!!!!!!!  *!!!!!**! !!!!!!!!!!!!!!!!!!!!!**  *   ! * !!!!!!! !!!!!!!!

logo
NTDB id 222711 A6J50 RS05130 WP 080541915.1  DLTKADDNDPTKASLFDVKDNGNNGNNGNNRVELGYTVGTPQIGKTHNGKYAAFLASGYATKQ.IDSGENKTALYVYDLE   717
NTDB id 1090 CAA90909.1 1..3114( )           DLTKADGSDPTAVSLFDVKDNGN...NGNNRVELGYTVGTPQIGKTHDGKYAAFLASGYATKEIITSGDNKTALYVYDLE   697
consensus                                    !!!!!!  !!!  !!!!!!!!!!***!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!! *! !!*!!!!!!!!!!!!

logo
NTDB id 222711 A6J50 RS05130 WP 080541915.1  SNN.GTLIRKIEVTDGKGGLSSPTLVDKDLDGTVDIAYAGDRGGKMYRFDLSGNNPNSWTVRTIFQGTKPITSAPAISQL   796
NTDB id 1090 CAA90909.1 1..3114( )           GNGTNNLIKKIEVPGGKGGLSSPTLVDKDLDGTVDIAYAGDRGGNMYRFDLSSQDPQQWSVRTIFEGTKPITSAPAISQL   777
consensus                                     ! *  !!*!!!!* !!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!! * !* !*!!!!! !!!!!!!!!!!!!!

logo
NTDB id 222711 A6J50 RS05130 WP 080541915.1  KDKRVVIFGTGSDLSEEDVLNTEEQHIYGIFDDDTAASNVDVKLKGLGGGLLEQELKKQ..EGKTLFLTDYKRSDGSGDKG   874
NTDB id 1090 CAA90909.1 1..3114( )           KDKRVVIFGTGSDLSEEDVDNMEEQYIYGIFDDDTATTG.TVNFSDSGGGLLEQVLRRDNDNKTLFLTDYKRSDGSGNKG   856
consensus                                    !!!!!!!!!!!!!!!!!!!! ! !!!*!!!!!!!!!!! * * !     !!!!!!! !* *** !!!!!!!!!!!!!!! !!

logo
NTDB id 222711 A6J50 RS05130 WP 080541915.1  WVVKLQPGQRVTVKPTVVLRTAFVTIHKYTGNDKCGAETAILGINTADGGKLTKKSARPIVPEANTAVAQYSGHKQTAKG   954
NTDB id 1090 CAA90909.1 1..3114( )           WVVKLKDGQRVTVKPTVVLRTAFVTIHKYTGTDKCGAETAILGINTADGGKLTKKSARPIVPEANTAVAQYSGHKKGTNG   936
consensus                                    !!!!! *!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!    !

logo
NTDB id 222711 A6J50 RS05130 WP 080541915.1  KSIPIGCMQKGNETVCPNGYVYDKPVNVRYLDEKKTDGFSTTADGDAGGSGTFKEGKKPARNNRCFSGKGVRTLLMNDLD  1034
NTDB id 1090 CAA90909.1 1..3114( )           KSIPIGCMQKSNEIVCPNGYVYDKPVNVRYLDEKKTDGFSTTADGDAGGSGIDPAGKRSGKNNRCFSQKGVRTLLMNDLD  1016
consensus                                    !!!!!!!!!!  !! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!  * !!****!!!!!! !!!!!!!!!!!!

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logo
NTDB id 222711 A6J50 RS05130 WP 080541915.1  SLDITGPTCGMKRISWREVFY.  1055
NTDB id 1090 CAA90909.1 1..3114( )           SLDITGPTCGMKRISWREVFY*  1037
consensus                                    !!!!!!!!!!!!!!!!!!!!!
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X non conserved
X similar
X $\geq$ 50% conserved