logo



```
NTDB id 69201 EP179 RS00345 WP 125121575.1  MNKTLKRRVFRHTALYAAILMFSHTGGGGGAMAQTRKYAIVMNERNQPEVKWDGQYQKSQLREKDGERKFIYTNQKYWSGQQNNF   85
NTDB id 1090 CAA90909.1 1..3114( )          MNKTLKRQVFRHTALYAAILMFSHTGG.GGAMAQTHKYAITMNERNQLEVKGNGQYS..TIKDKDRERKFIYNKDRGG....GGS   78
consensus                                   !!!!!!! !!!!!!!!!!!!!!!!!!*!!!!!!*!!!!*!!!!!!*!!!  !!!  **  ***!!  !!!!!!    *  ****
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logo



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NTDB id 69201 EP179 RS00345 WP 125121575.1  ISFDNTDTLVSRQSGTAVFGTATYLPPYGKVSGFDTAELNKRGNAVNWIRTTRAGLAGYAYTGIRCGHARDCPKLTYKTQFSFDN   170
NTDB id 1090 CAA90909.1 1..3114( )          VFFDNTDTLVSQQRGTAVFGTATYLPPYGKVSGFDADGLQKRNNAVDWIHTTQAGLAGYAYTDVICRS.NQCPQLVYETKFSFDG   162
consensus                                   * !!!!!!!!! ! !!!!!!!!!!!!!!!!!!!!  !*!! !!! !!*!! !!!!!!!! * ! **  !! ! ! ! !!!!
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logo



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NTDB id 69201 EP179 RS00345 WP 125121575.1  PDLAKTGDRLDRHTEPSRDNSPIYKLKDYPWLGVSFNLGAEGTAKDGRSSSRLISSFNEKNSNNNLVYTTEGRDISLGNWQSEST   255
NTDB id 1090 CAA90909.1 1..3114( )          IGLAKNAGSLDRHPDPSRENSPIYKLKDHPWLGVSFNLGSENTVKDGKSFNKLISSFSEGNNNQTIVSTTRGHSISLSDWKREHT   247
consensus                                   * !!! *  !!!!**!!!*!!!!!!!!!*!!!!!!!!!! ! ! !!!*!  *!!!!! ! ! !* *! !! !* !!!  !  !*!
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logo



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NTDB id 69201 EP179 RS00345 WP 125121575.1  AVAYYLNAKLHLLDKKEIKDIT.GKTVRLGVLKPSIDVKTQNTGFAGLLNFWSKWDIKDNGQIPVKLGLPEVKAGRCTNKPNPNP   339
NTDB id 1090 CAA90909.1 1..3114( )          AMAYYLNAKLHLLDKKGIEDIAQGKTVDLGTLRPRVEATVR...RGELLNFWATWKIEDKGNITVRLGLPEVKAGRCVNKANPNP   329
consensus                                   !*!!!!!!!!!!!!!! ! !! *!!!! !! !*! **    *** * !!!!!  ! ! ! !*!*!*!!!!!!!!!!! !!*!!!!
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logo



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NTDB id 69201 EP179 RS00345 WP 125121575.1  KSKAPSPALTAPALWFGPVQNGKVQMYSASVSTYPGSSSSRIFLQELKTQTDPGRPGRYSLAALNAQDIKSREPNFNSRQTVIRL   424
NTDB id 1090 CAA90909.1 1..3114( )          NAKAPSPALTAPALWFGPVKDGKAEMYSASVSTYPDSSSSRIYLQNLKRKTDPGKPGRHSLETLTENDIKSREPNFTGRQTIIRL   414
consensus                                    !!!!!!!!!!!!!!!!!  !!  !!!!!!!!!! !!!!!!*!! !!  !!!!*!!!*!!  !  *!!!!!!!!  !!!*!!!
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logo

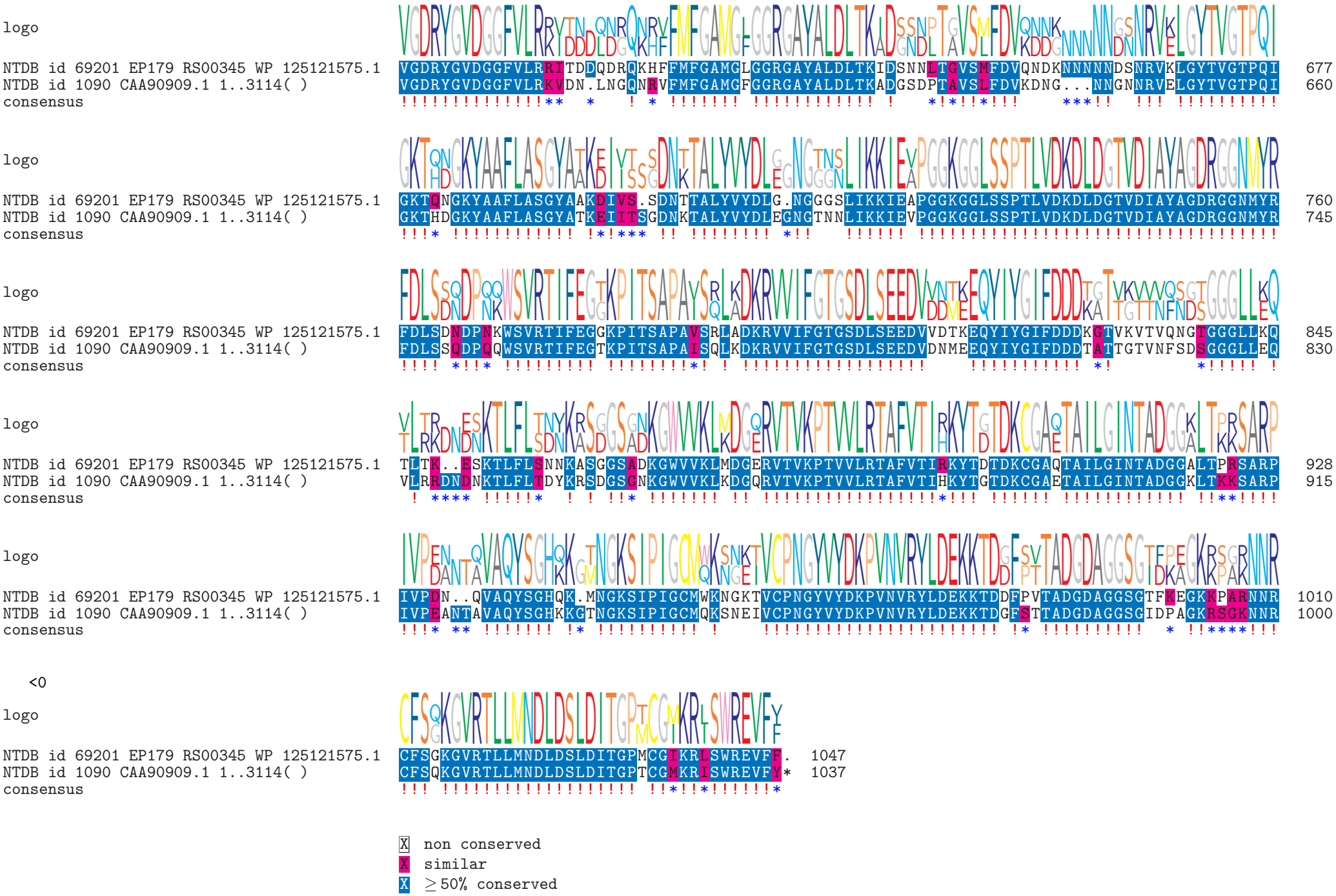


```
NTDB id 69201 EP179 RS00345 WP 125121575.1  PGGVYRIAPTR..DRIVGLNGNDGKNDTFGIYKERLVTPDADEWAKVLLPWTVRYYGNDDIFKTFNQPNSKTQNGKKQYSQKYRI   507
NTDB id 1090 CAA90909.1 1..3114( )          NGGVREIKLDRNNTEVVNFNGNDGNNDTFGIVKDLGVEPDTSEWKKVLLPWTVRGFADDNKFKAFNKEEN..NDNKPKYSQKYRS   497
consensus                                   *!!!  !  * !**  *!  !!!!! !!!!!! !*  ! !!  !! !!!!!!!!! ** !  !! !! *  ***  !* !!!!!!
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logo



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NTDB id 69201 EP179 RS00345 WP 125121575.1  RTKEDDNDKPRDLGDIVNSPITAVGGYLATSANDGMVHLFKRNGTDQRGYELKLSYIPGTMERKDIEGNDSDLAKELRAFAEKGY   592
NTDB id 1090 CAA90909.1 1..3114( )          R...DNNKGERNLGDIVNSPIVAVGEYLATSANDGMVHIFKQSGGDKRSYNLKLSYIPGTMPRKDIQNTESTLAKDVRTFAEKGY   579
consensus                                   !***! !  *! !!!!!!!!! !!! !!!!!!!!!!!!*!!  ! ! ! ! !!!!!!!!!!*!!!!  *! !!!**! !!!!!!
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logo
NTDB id 69201 EP179 RS00345 WP 125121575.1 VGDRYGVDGGFVLRRITDDQDRQKHFFMFGAMGLGGRGAYALDLTKIDSNNLTGVSMFDVQNDKNNNNNDSNRVKLGYTVGTPQI 677
NTDB id 1090 CAA90909.1 1..3114( ) VGDRYGVDGGFVLRKVDN.LNGQNRVFMFGAMGFGGRGAYALDLTKADGSDPTAVSLFDVKDNG...NNGNNRVELGYTVGTPQI 660
consensus
logo
NTDB id 69201 EP179 RS00345 WP 125121575.1 GKTQNGKYAAFLASGYAAKDIVS.SDNTTALYVYDLG.NGGGSLIKKIEAPGGKGGLSSPTLVDKDLDGTVDIAYAGDRGGNMYR 760
NTDB id 1090 CAA90909.1 1..3114( ) GKTHDGKYAAFLASGYATKEIITSGDNKTALYVYDLEGNGTNNLIKKIEVPGGKGGLSSPTLVDKDLDGTVDIAYAGDRGGNMYR 745
consensus
logo
NTDB id 69201 EP179 RS00345 WP 125121575.1 FDLSDNDPNKWSVRTIFEGGKPITSAPAVSRLADKRVVIFGTGSDLSEEDVVDTKEQYIYGIFDDDKGTVKVTVQNGTGGGLLKQ 845
NTDB id 1090 CAA90909.1 1..3114( ) FDLSSQDPQQWSVRTIFEGTKPITSAPAISQLKDKRVVIFGTGSDLSEEDVDNMEEQYIYGIFDDDTATTGTVNFSDSGGGLLEQ 830
consensus
logo
NTDB id 69201 EP179 RS00345 WP 125121575.1 TLTK..FSKTLFLSNNKASGGSADKGWVVKLMDGERVTVKPTVVLRTAFVTIRKYTDTDKCGAQTAILGINTADGGALTPRSARP 928
NTDB id 1090 CAA90909.1 1..3114( ) VLRRDNDNKTLFLTDYKRSDGSGNKGWVVKLKDGQRVTVKPTVVLRTAFVTIHKYTGTDKCGAETAILGINTADGGKLTKKSARP 915
consensus
logo
NTDB id 69201 EP179 RS00345 WP 125121575.1 IVPDN..QVAQYSGHQK.MNGKSIPIGCMWKNGKTVCPNGYVYDKPVNVRYLDEKKTDDFPVTADGDAGGSGTFKEGKKPARNNR 1010
NTDB id 1090 CAA90909.1 1..3114( ) IVPEANTAVAQYSGHKKGTNGKSIPIGCMQKSNEIVCPNGYVYDKPVNVRYLDEKKTDGFSTTADGDAGGSGIDPAGKRSGKNNR 1000
consensus
<0
logo
NTDB id 69201 EP179 RS00345 WP 125121575.1 CFSGKGVRTLLMNDLDSLDITGPMCGIKRLSWREVFF. 1047
NTDB id 1090 CAA90909.1 1..3114( ) CFSQKGVRTLLMNDLDSLDITGPTCGMKRISWREVFY* 1037
consensus
X non conserved
X similar
X ≥50% conserved