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logo

NTDB id 1040991 ABRP31 RS23305 WP 349972589.1  MIAETLSLGSLQAQRILRLYNLYRLTIGIMLVLLISSSLDTELLEMANPNLFRAGCWLYLVFNILIVVLLERPNRQAQLF   80
NTDB id 1472 PAKAF RS23995 WP 016253893.1      MRAERLRLSEEQGQRILRLYHLYRLTIGLVLVLLISSELEDQVLKLVHPELFHVGSWCYLVFNILVALFLPPSRQLLPIF   80
consensus                                      ! !! ! !   !*!!!!!!!*!!!!!!!**!!!!!!! !*  *! * *! !!* !*!*!!!!!!!* * !***    **!

logo

NTDB id 1040991 ABRP31 RS23305 WP 349972589.1  VLAMADALLLSALFYAGGGPPSGIGNVLIASVAISNVLLRGRIGLLIAAVAAIGIIYLTFYISFSNPTVASHYLQAGSLG  160
NTDB id 1472 PAKAF RS23995 WP 016253893.1      ILALTDVLMLCGLFYAGGGVPSGIGSLLVVAVAIANILLRGRIGLVIAAAASLGLLYLTFFLSLSSPDATNHYVQAGGLG  160
consensus                                      *!!* ! !*!**!!!!!!!*!!!!! *!*  !!! !*!!!!!!!!*!!! ! *!**!!!!**! ! !    !!*!!! !!

logo

NTDB id 1040991 ABRP31 RS23305 WP 349972589.1  ALCFAAALLVQALTRRLHISETLAEQRAADVDNLEELNALILQRMRTGIVVLNARRRVLLANQSALNLLGHEQLTGSILD  240
NTDB id 1472 PAKAF RS23995 WP 016253893.1      TLCFAAALVIQALVRRQEQTETLAEERAETVANLEELNALILQRMRTGILVVDSRQAILLANQAALGLLRQDDVQGASLG  240
consensus                                       !!!!!!!**!!! !! * *!!!!! !!  ! !!!!!!!!!!!!!!!!!!*!*  !  *!!!!! !! !! ** * !  *

logo

NTDB id 1040991 ABRP31 RS23305 WP 349972589.1  TYSPQLVTGLRQWLINPALVPQSISVSPNGPVLQPGFAALNRGDQRQTLIFLEDLSQISQQAQQLKLAALGRLTAGIAHE  320
NTDB id 1472 PAKAF RS23995 WP 016253893.1      RHSPMLMHCMKQWRLNPSLRPPTLKVVPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQQMKLAGLGRLTAGIAHE  320
consensus                                       *!! !*****!! *!! ! !*** ! ! !! *!! !  !!! !  * !!!!!!*!!! !!!!!*!!!*!!!!!!!!!!!

logo

NTDB id 1040991 ABRP31 RS23305 WP 349972589.1  IRNPLGAISHAAQLLNESEELTSADHRLGQIIHEQSQRMNRVIENVLQLSRQRHAEPQLLDLKIWLEQFVEETRSRLPAH  400
NTDB id 1472 PAKAF RS23995 WP 016253893.1      IRNPLGAISHAAQLLQESEELDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPGRLRND  400
consensus                                      !!!!!!!!!!!!!!!*!!!!!  *!*!! !!!**!! !!! !!!!!!!!!! !*!!!! !!!! !!  !!*! * !!* *

logo

NTDB id 1040991 ABRP31 RS23305 WP 349972589.1  QSIHLQITPAPLTTRMDAEQLNQVLNNLVQNAMRYSGKSHEHAQVWIRLFQEPRSDQAILEVLDDGPGVPHEHMTKMFEP  480
NTDB id 1472 PAKAF RS23995 WP 016253893.1      SELHLQLGAGDIQTRMDPHQLNQVLSNLVQNGLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNNLFEP  480
consensus                                        *!!!* **** !!!!**!!!!!! !!!!!**!!!*  ! **!!!* !  *! !! **!!**!!!!!!!**** *!!!

logo

NTDB id 1040991 ABRP31 RS23305 WP 349972589.1  FFTTESKGTGLGLYLSRELCESNQAHLDYTFREGGGSCLRITFAHPLKLS  530
NTDB id 1472 PAKAF RS23995 WP 016253893.1      FFTTESKGTGLGLYLSRELCESNQARIDYRNREEGGGCFRITFAHPRKLS  530
consensus                                      !!!!!!!!!!!!!!!!!!!!!!!!!!**!!  !! !! ! !!!!!!! !!!
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X non conserved
X similar
X $\geq$50% conserved