```
logo
NTDB id 410152 GRB21 RS04460 WP 005769277.1  MTAETPSLTSPQAQRILRLYHLYRLTIGVVLVLLISSSLETELLQLANPNLFRSGCWLYLVFNILVVVLLERPSRQAQLF   80
NTDB id 1472 PAKAF RS23995 WP 016253893.1    MRAERLRLSEEQGQRILRLYHLYRLTIGLVLVLLISSELEDQVLKLVHPELFHVGSWCYLVFNILVALFLPPSRQLLPIF   80
consensus                                    ! !! * !* *!*!!!!!!!!!!!!!!!!!!!!!!!! !!   *! ! *! !!* !*!*!!!!!!!! * !***    **!

logo
NTDB id 410152 GRB21 RS04460 WP 005769277.1  GLAMTDAIMLSGLFYAAGGPSSGIGNLLIASVAISNVLLRGRIGLLIAAVSAIGIIYLTFYISFGTPSVSNDYVQAGSLG  160
NTDB id 1472 PAKAF RS23995 WP 016253893.1    ILALTDVLMLCGLFYAGGGVPSGIGSLLVVAVAIANILLRGRIGLVIAAAASLGLLYLTFFLSLSSPDATNHYVQAGGLG  160
consensus                                     !!*!! *!!*!!!!!*!!**!!!! !!*  !!! !*!!!!!!!!*!!!   *!**!!!!**!  *!  *!*!!!!! !!

logo
NTDB id 410152 GRB21 RS04460 WP 005769277.1  ALCFAAALLVQALTARLQVSEGLAEQRAADVDSLEELNALILQRMRTGIVVLDARRQVVLANQGALTLLGHERLVGQVLD  240
NTDB id 1472 PAKAF RS23995 WP 016253893.1    TLCFAAALVIQALVRRQEQTETLAEERAETVANLEELNALILQRMRTGILVVDSRQAILLANQAALGLLRQDDVQGASLG  240
consensus                                     !!!!!!!**!!!  !   *! !!! !!  !  !!!!!!!!!!!!!!!!*!*! !  **!!!!*!! !! ** * !  *

logo
NTDB id 410152 GRB21 RS04460 WP 005769277.1  AYSPQLVERLRQWLINPIMVPRSITTSSIGPVLQPSFAALNRGDQRQTLIFLEDLSQIAHQAQQLKLAALGRLTAGIAHE  320
NTDB id 1472 PAKAF RS23995 WP 016253893.1    RHSPMLMHCMKQWRLNPSLRPPTLKVVPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQQMKLAGLGRLTAGIAHE  320
consensus                                     *!! !*****!! *!! * !***   * !! *!!!!  !!! !  * !!!!!!*!!!!*!!!!*!!!*!!!!!!!!!!!

logo
NTDB id 410152 GRB21 RS04460 WP 005769277.1  IRNPLGAVSHAAQLLNESEDLSAPDRRLGQIIHDQSQRIDRVIENVLQLSRRREAQPELLDLKVWLENFVSDFRSSAAAD  400
NTDB id 1472 PAKAF RS23995 WP 016253893.1    IRNPLGAISHAAQLLQESEELDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPGRLRND  400
consensus                                    !!!!!!!*!!!!!!!*!!!*! !!!!!! !!!*!!! !*  !!!!!!!!!!!! ! !  !!!! !!  !! ***     !

logo
NTDB id 410152 GRB21 RS04460 WP 005769277.1  QSIHVQISSGMLTTRMDAGQLTQIITNLVQNGLRYSRRNHPSAQVWLNLHHDRESDLPILEVLDDGPGVSEQHLSKIFEP  480
NTDB id 1472 PAKAF RS23995 WP 016253893.1    SELHLQLGAGDIQTRMDPHQLNQVLSNLVQNGLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNNLFEP  480
consensus                                     *!*!*  ! * !!!!**!! !***!!!!!!!!!!   !* *!!!! !**!*!!!!!*!!**!!!!!!*  *!  *!!!

logo
NTDB id 410152 GRB21 RS04460 WP 005769277.1  FFTTESKGTGLGLYLSRELCESNQAHLEYIPRPHDGGSCLRITFAHPFKTS  531
NTDB id 1472 PAKAF RS23995 WP 016253893.1    FFTTESKGTGLGLYLSRELCESNQARIDYRNR.EEGGGCFRITFAHPRKLS  530
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!***! *!***!! ! !!!!!!! ! !
```

X non conserved
X similar
X $\geq$ 50% conserved