```
logo
NTDB id 356167 E5136 RS09045 WP 162879357.1  MKNALLSMSVVTVFSACSLLWLPEHFLLHWYMTLLVFALLLVSIIICVLCGKNHWISPLIFVMSSVGILGYIHDQARQTL   80
NTDB id 1359 HI 0061 AAC21739.1              MKLNLITLVVLLIVADLTLLFLPQPLLLPWQVALVIALVLIF...LFI.FLRRNFLVSLAFFVASLGYFHY...SALSLS   73
consensus                                    !!  !*** !* *   **!!*!!   !! ! * !**  *!* ******** * *** *! ! * !*!  *!*** !

logo
NTDB id 356167 E5136 RS09045 WP 162879357.1  LQADLVAQLPRKIETEFKIIEVLQQKNYQTFVVSAQLSPQQAKQKMILQWHAQEKAQIGEIWKGELRLRPISSRLNMGGF  160
NTDB id 1359 HI 0061 AAC21739.1              QQAQ..NITAQKQVVTFKIQEILHQQDYQTLIATATLENNLQEQRIFLNWKAKEVPQLSEIWQAEISLRSLSARLNFGGF  151
consensus                                     !! **   * !    !!! !*!*!  !!! * *! ! **   !** !*!*! ! *!* !!! *!* !!**! !!! !!!

logo
NTDB id 356167 E5136 RS09045 WP 162879357.1  DKQQWYFAKGITAYATVKSAVKISEQLSWREKWLREGVKQTMQLEYQGLLLALAFGERAWLPTDIWQTYQKTSTAHVIAI  240
NTDB id 1359 HI 0061 AAC21739.1              DRQQWYFSKGITAVGTVKSAVKIADVSSLRAEKLQQVKKQTEGLSLQGLLIALAFGERAWLDKTTWSIYQQTNTAHLIAI  231
consensus                                    !*!!!!! !!!!! *!!!!!!!! *  ! !   !    !!!  !  !!!!*!!!!!!!!!!*   !  !! ! !!!*!!!

logo
NTDB id 356167 E5136 RS09045 WP 162879357.1  SGLHIGLAMGIGYFFIRLIQFLLPLKWVTPTLPIIVGLLFAWFYAELAGFSIPTSRAFFALTVVSWVKLWRRSYSVWQFF  320
NTDB id 1359 HI 0061 AAC21739.1              SGLHIGLAMGIGFCLARVVQVFFPTRFIHPYFPLVFGVLFALIYAYLAGFSVPTFRAISALVFVLFIQIMRRHYSPIQFF  311
consensus                                    !!!!!!!!!!!!**  !**!   ! ****!  !** !*!!!  !! !!!!!*!! !!  !!  ! ** * !!*!!* !!!

logo
NTDB id 356167 E5136 RS09045 WP 162879357.1  LLVVALLLLGEPCMILSSSFWLSVGAVSVLMLWYQIFPLSLLHWRGKKITESPWRNCRWFFSLLHLQLGLLWLFTPVQLL  400
NTDB id 1359 HI 0061 AAC21739.1              TLVVGFLLFCDPLMPLSVSFWLSCGAVGCLLLWYRYVPFSLFQWKNRPFS....PKVRWIFSLFHLQFGLLLFFTPLQLF  387
consensus                                     !!!* !! **!*!*!! !!!!!*!!! *!*!!!   ! !! *!* ** ****** *!! !!! !!! !!!  !!!*!!

logo
NTDB id 356167 E5136 RS09045 WP 162879357.1  LFQGIALTSFMANVLVVPIYSVILIPLILLAVITQGAFSSWSIANTVAKYVTMLLTPLQSHWVVFSQQEILCLIAILALT  480
NTDB id 1359 HI 0061 AAC21739.1              LFNGLSLSGFLANFMAVPIYSFLLVPLILFAVFTNGTMFSWQLANKLAEGITGLISVFQGNWLTVSFNLALGLTALCAGI  467
consensus                                    !!*!* !* !*!! * !!!!! *!*!!!! !! !*!   !! *!! *!  *! !*** ! *!*  ! *  !*! !**!

logo
NTDB id 356167 E5136 RS09045 WP 162879357.1  FIILIWYLYDLKKESLKC.YAKVPRFFHLNQMRLLNPSLKWKTYLLAVVISLYCFLQILYKEISQPLWRLDTLDVGQGLA  559
NTDB id 1359 HI 0061 AAC21739.1              FMLIIWNIYREPEISSSNWQIKRAKFFTLNLSKPLLKNERINVLRCSFGIILLCFTILLFKQLSKPTWQVDTLDVGQGLA  547
consensus                                    !***!! *!  *  !  **  ! **!!*!!  **! *  *     *   ! ! !!  *!*! *! ! ! *!!!!!!!!!!
```

```
logo

NTDB id 356167 E5136 RS09045 WP 162879357.1  NLIVVNGKGVLYDTGASWAGGSMAELEIIPYLQREGIELEQVILSHDDNDHVGGAETILKHYPQAKLMTASAQNYGKTDR   639
NTDB id 1359 HI 0061 AAC21739.1              TLIVKNGKGILYDTGSSWRGGSMAELEILPYLQREGIVLEKLILSHDDNDHAGGASTILKAYPNVELITPSRKNYGENYR   627
consensus                                     !!! !!!!*!!!!! !! !!!!!!!!!*!!!!!!!! !! *!!!!!!!!! !!! !!!!*!!*  !*!*!  !!!   !

logo

NTDB id 356167 E5136 RS09045 WP 162879357.1  TFCEAGKTWTWQHLTFKALSPTKIVKRAKNTDSCVLLISDGSHHLLLTGDADIAAEKQFVNQLSQLDVLQVGHHGSKTST   719
NTDB id 1359 HI 0061 AAC21739.1              TFCTAGRDWHWQGLHFQILSPHNVVTRADNSHSCVILVDDGKNSVLLTGDAEAKNEQIFARTLGKIDVLQVGHHGSKTST   707
consensus                                    !!! !!* !*!!*!*!  !!!* *! !! !**!!!*!* !! ***!!!!!!*   !  !   !  *!!!!!!!!!!!!!!

logo

NTDB id 356167 E5136 RS09045 WP 162879357.1  GYELLYQTRPKIALISSGRWNPWQFPHVQVVQRLKRYQTAVYNTGELGQISLLFHAKHIEIQTARTDFSPWYRRLIGL..   797
NTDB id 1359 HI 0061 AAC21739.1              SEYLLSQVRPDVAIISSGRWNPWKFPHYSVMERLHRYKSAVENTAVSGQVRVNFFQDRLEIQQARTKFSPWYARVIGLSK   787
consensus                                      !! ! !! *!*!!!!!!!!! !!!  !* !!*!! *!! !!*  !!* * !*  **!!! !!! !!!!! !*!!!**

logo

NTDB id 356167 E5136 RS09045 WP 162879357.1  .   797
NTDB id 1359 HI 0061 AAC21739.1              E   788
consensus                                    *
```

X non conserved

X similar

X ≥ 50% conserved