```
logo
NTDB id 163029 AT730 RS18420 WP 064369289.1  ....MDSIRKVYQYAEPNLTLVGWMGFLGFPLYYFVWEFAFPQAYENLPLRLFCSLLFFGIIFRNRLSSTWRDYVPIYYQ   76
NTDB id 1162 A1552VC RS17020 WP 001882375.1 MIVSMDVIKRVYQYAEPNLSLVGWMGMLGFPAYYFIWEYWFPQSYENLGLRCAAAVLFGGLVFRDSMPKKWQRYMPGYFL   80
consensus                                   ****!! !**!!!!!!!!!*!!!!!! !!!! !!!*!!* !!! !!!!*!!* * *!! !**!!  **  !  !*! !*

logo

NTDB id 163029 AT730 RS18420 WP 064369289.1  VTITLCLPFFFFYMLLMNDWSNVWVMSFMSAIFLHILLVHVTRVMFAQTFAGIGLATFFAWVAKGFHLDLTMDWTHVPIF  156
NTDB id 1162 A1552VC RS17020 WP 001882375.1 FTIGFCLPFFFAFMMLMNDWSTIWAMSFMASIFLHILLVHDTRVMALQALFSVLVAYLAVYGLTDFHPTTLIEWQYIPIF  160
consensus                                    !!  !!!!!! *!*!!!!!! *! !!!!  !!!!!!!!! !!!!  !    * *!    *    !!*   **! **!!!

logo

NTDB id 163029 AT730 RS18420 WP 064369289.1  LFIYVFGNLFYFRNQVEHEAKVSLAKSFGAGIAHEMRNPLSGLCTSIDVIQSILPNMKEAGKEQYVMSVEDVTLLREVSQ  236
NTDB id 1162 A1552VC RS17020 WP 001882375.1 LFTYVFGNLCFFRNQISHETKVSIAKTFGAGIAHEMRNPLSALKTSIDVVRTMIPKPQTAAHTDYSLDAQELDLLHQILN  240
consensus                                    !! !!!!!!**!!!!* !! !!!*!!*!!!!!!!!!!!!!!*!*!!!!!* ***! *  !**  ! *   ** !!* * *

logo

NTDB id 163029 AT730 RS18420 WP 064369289.1  DAMNIIQSGNETIDLLLTSIDENRVSRSSFKKYSVHSVVEQAIESFSYKRATDRFAISLDARSEFEFLGSDTLLKYVMYN  316
NTDB id 1162 A1552VC RS17020 WP 001882375.1 EADDVIYSGNNAIDLLLTSIDENRVSPASFKKHSVVDVIEKAVKTFPYKNAADQHSVELEVHQPFDFFGSDTLLTYALFN  320
consensus                                    *!  *! !!!  !!!!!!!!!!!!!!* !!!!*!!* !*! !* *!*!! ! ! * * !* * *!*! !!!!!! ! **!

logo

NTDB id 163029 AT730 RS18420 WP 064369289.1  LFKNAFHHRKSEDFHIHVSMISSERFNQIVVTDNGAGIAPDVLRNIFQDFYTTGKSGSYGLGLPFCKKVMRSFGGNIECQ  396
NTDB id 1162 A1552VC RS17020 WP 001882375.1 LLKNAFYYQK.EHFSVCISIEQTSEHNLIRVRDNGVGIAPEMLEDIFRDFYTFGKNGSYGLGLPFCRKVMSAFGGTIRCA  399
consensus                                    ! !!!!** !*!*!** *!*  *  *! ! ! !!! !!!!**!  !! !!!! !! !!!!!!!!!!*!!!  !!! ! !

logo

NTDB id 163029 AT730 RS18420 WP 064369289.1  SQLGEWSQFTLTFPLTTSDTVNEIKNDLTKLKTILTVTSQDILVSKVTDISRFMGFDSTILDANQVLKKKEYEFEFDLIF  476
NTDB id 1162 A1552VC RS17020 WP 001882375.1 SQQGQWTEFVLSFPRYDSDTVNEIKTELLKTKSLIYIGSNQAIVRELNQLAVEDEFGFTAISAQQAVRRQDYEFEFDLIL  479
consensus                                    !! ! !* ! !*!!   !!!!!!!! *! ! !*** * !*  *!  *  *    !  ! * !*! *** *!!!!!!!!

logo

NTDB id 163029 AT730 RS18420 WP 064369289.1  IDLESLDPRANQLDRLESLLSFTEARIVYLFEHHPTQRARKAAYEPIW.IETQAWLLNTKPTIERLLYDSSYVSTPTASV  555
NTDB id 1162 A1552VC RS17020 WP 001882375.1 LDLDDATAQGELLPKLEGTLSFAEGCIGYVYDPGKTYAVNINRYLRIQPISIHSILRKPRKIIERLLFEQESLSMNRNVI  559
consensus                                    *!!*   * *  !**!!  !!! !**! !*** **!       ! *! *!  *  !  *** !!!!!**   *! *   *
```

```
logo

NTDB id 163029 AT730 RS18420 WP 064369289.1   TLD.NSNKRTIMVVDDNESLRKFTAMLLEKQGFEVIQKEDGQQALDTLEQEDVDLILMDIEMPIMDGVEASRRIRSSDKN   634
NTDB id 1162 A1552VC RS17020 WP 001882375.1   PLQKSRHERRILVVDDNQSIRTFTAILLEQQGYEVVQANDGSEVLKHMESQNIDLVLMDIEMPNVGGLEATRLIRNSEHE   639
consensus                                     *! *  * ! !*!!!!! !*! !!!*!!! !!*!!*!  !!   ! **!   *!!*!!!!!!! * !*!!*! !! !**

logo

NTDB id 163029 AT730 RS18420 WP 064369289.1   YASVPIIAHTGDSSPVTLDKIGSSGMSDFIVKPADKNRLFDKIANWI   681
NTDB id 1162 A1552VC RS17020 WP 001882375.1   YKNIPIIGYTGDNSPKTLALVQTSGMNDFIVKPADRDVLLNKVAAWV   686
consensus                                     !  *!!!**!!! !! !!  * *!!! !!!!!!!!*  !  !*! !*
```

X non conserved

X similar

X $\geq$ 50% conserved