```
logo
NTDB id 203687 K01M1 RS21805 WP 017821553.1  ....MDSIRKVYQYAEPNLTLVGWMGFLGFPLYYFVWEFAFPQAYENLPLRLFCSLLFFGIIFRNRLSSTWRDYVPIYYQ   76
NTDB id 1162 A1552VC RS17020 WP 001882375.1  MIVSMDVIKRVYQYAEPNLSLVGWMGMLGFPAYYFIWEYWFPQSYENLGLRCAAAVLFGGLVFRDSMPKKWQRYMPGYFL   80
consensus                                    ****!! !**!!!!!!!!!*!!!!!! !!!! !!!*!!* !!! !!!!*!!* * *!! !**!!  **  !  !*! !*

logo

NTDB id 203687 K01M1 RS21805 WP 017821553.1  VTITLCLPFFFFYMLLMNDWSNVWVMSFMSAIFLHILLVHVTRVMFAQTFAGIGLATFFAWVAKGFHLDLTMDWTHVPIF  156
NTDB id 1162 A1552VC RS17020 WP 001882375.1  FTIGFCLPFFFAFMMLMNDWSTIWAMSFMASIFLHILLVHDTRVMALQALFSVLVAYLAVYGLTDFHPTTLIEWQYIPIF  160
consensus                                     !!  !!!!!! *!*!!!!!! *! !!!!  !!!!!!!!! !!!!  !    * *!    *    !!*   **! **!!!

logo

NTDB id 203687 K01M1 RS21805 WP 017821553.1  LFIYVFGNLFYFRNQVEHEAKVSLAKSFGAGIAHEMRNPLSGLCTSIDVIQSILPNMKEAGKEQYVMSVEDVTLLREVSQ  236
NTDB id 1162 A1552VC RS17020 WP 001882375.1  LFTYVFGNLCFFRNQISHETKVSIAKTFGAGIAHEMRNPLSALKTSIDVVRTMIPKPQTAAHTDYSLDAQELDLLHQILN  240
consensus                                    !! !!!!!!**!!!!* !! !!!*!!*!!!!!!!!!!!!!!*!*!!!!!* ***! *  !**  ! *   ** !!* * *

logo

NTDB id 203687 K01M1 RS21805 WP 017821553.1  DAMNIIQSGNETIDLLLTSIDENRVSRSSFKKYSVHSVVEQAIESFSYKRATDRFAISLDARSEFEFLGSDTLLKYVMYN  316
NTDB id 1162 A1552VC RS17020 WP 001882375.1  EADDVIYSGNNAIDLLLTSIDENRVSPASFKKHSVVDVIEKAVKTFPYKNAADQHSVELEVHQPFDFFGSDTLLTYALFN  320
consensus                                    *!  *! !!!  !!!!!!!!!!!!!!* !!!!*!!* !*! !* *!*!! ! ! * * !* * *!*! !!!!!! ! **!

logo

NTDB id 203687 K01M1 RS21805 WP 017821553.1  LFKNAFHHRKSEDFHIHVSMISSERFNQIVVTDNGAGIAPDVLRNIFQDFYTTGKSGSYGLGLPFCKKVMRSFGGNIECQ  396
NTDB id 1162 A1552VC RS17020 WP 001882375.1  LLKNAFYYQK.EHFSVCISIEQTSEHNLIRVRDNGVGIAPEMLEDIFRDFYTFGKNGSYGLGLPFCRKVMSAFGGTIRCA  399
consensus                                    ! !!!!** !*!*!** *!*  *  *! ! ! !!! !!!!**!  !! !!!! !! !!!!!!!!!!*!!!  !!! ! !

logo

NTDB id 203687 K01M1 RS21805 WP 017821553.1  SQLGEWSQFTLTFPLTTSDTVTEIKNDLTKLKTILTVTSQDILVSKVTDISRFMGFDSTILDANQVLKKKEYEFEFDLIF  476
NTDB id 1162 A1552VC RS17020 WP 001882375.1  SQQGQWTEFVLSFPRYDSDTVNEIKTELLKTKSLIYIGSNQAIVRELNQLAVEDEFGFTAISAQQAVRRQDYEFEFDLIL  479
consensus                                    !! ! !* ! !*!!   !!!! !!! *! ! !*** * !*  *!  *  *    !  ! * !*! *** *!!!!!!!!

logo

NTDB id 203687 K01M1 RS21805 WP 017821553.1  VDLESLDPRANQLDRLESLLSFTEARIVYLFEHHPTQRARKAAYEPIW.IETQAWLLNTKPTIERLLYDSSYVSTPTASV  555
NTDB id 1162 A1552VC RS17020 WP 001882375.1  LDLDDATAQGELLPKLEGTLSFAEGCIGYVYDPGKTYAVNINRYLRIQPISIHSILRKPRKIIERLLFEQESLSMNRNVI  559
consensus                                    *!!*   * *  !**!!  !!! !**! !*** **!       ! *! *!  *  !  *** !!!!!**   *! *   *
```

```
logo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 203687 K01M1 RS21805 WP 017821553.1  TLD.NSNKRTIMVVDDNESLRKFTAMLLEKQGFEVIQKEDGQQALDTLEQEDVDLILMDIEMPIMDGVEASRRIRSSDKN   634
NTDB id 1162 A1552VC RS17020 WP 001882375.1  PLQKSRHERRILVVDDNQSIRTFTAILLEQQGYEVVQANDGSEVLKHMESQNIDLVLMDIEMPNVGGLEATRLIRNSEHE   639
consensus                                    *! *  * ! !*!!!!! !*! !!!*!!! !!*!!*!  !!   ! **!   *!!*!!!!!!! * !*!!*! !! !**
```

```
logo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 203687 K01M1 RS21805 WP 017821553.1  YASVPIIAHTGDSSPVTLDKIGSSGMSDFIVKPADKNRLFDKIANWI   681
NTDB id 1162 A1552VC RS17020 WP 001882375.1  YKNIPIIGYTGDNSPKTLALVQTSGMNDFIVKPADRDVLLNKVAAWV   686
consensus                                    !  *!!!**!!! !! !!  * *!!! !!!!!!!!*  !  !*! !*
```

X non conserved

X similar

X $\geq$ 50% conserved