```
logo
NTDB id 149266 AB831 RS20265 WP 021450907.1  ....MDSIRKVYEYAEPNLTLVGWMGFIGFPLYYFVWDFMFPQSYENLPLRLFCSALFFGIIFRNRLSSSWRKYVHVYYQ   76
NTDB id 1162 A1552VC RS17020 WP 001882375.1 MIVSMDVIKRVYQYAEPNLSLVGWMGMLGFPAYYFIWEYWFPQSYENLGLRCAAAVLFGGLVFRDSMPKKWQRYMPGYFL   80
consensus                                   ****!! !**!! !!!!!!*!!!!!! *!!! !!!*!** !!!!!!!!*!!* *  !! !**!!  **  ! *!*  !*

logo
NTDB id 149266 AB831 RS20265 WP 021450907.1  ITITTCLPFFFFYMLLMNDWSNVWVMSFMSAIFLHILLVHVTRVMFAQTFAGIGLATFFAWIAKGFHLDITMDWTHVPIF  156
NTDB id 1162 A1552VC RS17020 WP 001882375.1 FTIGFCLPFFFAFMMLMNDWSTIWAMSFMASIFLHILLVHDTRVMALQALFSVLVAYLAVYGLTDFHPTTLIEWQYIPIF  160
consensus                                    !!  !!!!!! *!*!!!!!! *! !!!!  !!!!!!!!! !!!!  !    * *!    *    !!*   **! **!!!

logo
NTDB id 149266 AB831 RS20265 WP 021450907.1  LFIYVFGNMFYFRNQVEHEAKVSLAKSFGAGIAHEMRNPLSGLCTSIDVIQSVLPNKKAMGEKDQYVMSGEDVTLLREVS  236
NTDB id 1162 A1552VC RS17020 WP 001882375.1 LFTYVFGNLCFFRNQISHETKVSIAKTFGAGIAHEMRNPLSALKTSIDVVRTMIPKPQTAA.HTDYSLDAQELDLLHQIL  239
consensus                                   !! !!!!!***!!!!* !! !!!*!!*!!!!!!!!!!!!!!*!*!!!!!* ***! *   ***  ! * * ** !!* *

logo
NTDB id 149266 AB831 RS20265 WP 021450907.1  EDAMNIIHSGNETIDLLLTSIDENRVSRSSFKRYSAQSVVEKAIESFSYKRSTDRFAISFDARSEFDFLGSDTLLKYVMY  316
NTDB id 1162 A1552VC RS17020 WP 001882375.1 NEADDVIYSGNNAIDLLLTSIDENRVSPASFKKHSVVDVIEKAVKTFPYKNAADQHSVELEVHQPFDFFGSDTLLTYALF  319
consensus                                    *!  *!*!!!  !!!!!!!!!!!!!!* !!!**!   !*!!!* *!*!!   ! * *  * * *!!! !!!!!! ! **

logo
NTDB id 149266 AB831 RS20265 WP 021450907.1  NLFKNAFHHRSSDEFHIHVSMQSNDTVNQIVVTDNGSGIAPDVIRHIFQDFYTTGKSGSYGLGLPFCKKVMRSFGGNIKC  396
NTDB id 1162 A1552VC RS17020 WP 001882375.1 NLLKNAFYYQ.KEHFSVCISIEQTSEHNLIRVRDNGVGIAPEMLEDIFRDFYTFGKNGSYGLGLPFCRKVMSAFGGTIRC  398
consensus                                   !! !!!!** * **!** *!*     *! ! ! !!! !!!!*** *!! !!!! !! !!!!!!!!!!*!!!  !!! !*!

logo
NTDB id 149266 AB831 RS20265 WP 021450907.1  ISQPGEWSQFTLTFPPITSDTVTEIKDELTKMKSILLVSNQDIIVQKMADISRFMGFDVTVLDVKSVFKKKEYEFEFDLI  476
NTDB id 1162 A1552VC RS17020 WP 001882375.1 ASQQGQWTEFVLSFPRYDSDTVNEIKTELLKTKSLIYIGSNQAIVRELNQLAVEDEFGFTAISAQQAVRRQDYEFEFDLI  478
consensus                                    !!*! !* ! !*!!*  !!!! !!! !! ! !!** *  *  !!  *  *     !  ! *      ** *!!!!!!!!

logo
NTDB id 149266 AB831 RS20265 WP 021450907.1  FVDVESLDVLENQLDRIESLLSFTEARVVYLFEHKPAQRAKKA...GHDPIWVETQAWLLNTKATIERLLYDSTYISSTL  553
NTDB id 1162 A1552VC RS17020 WP 001882375.1 LLDLDDATAQGELLPKLEGTLSFAEGCIGYVYDPGKTYAVNINRYLRIQPI..SIHSILRKPRKIIERLLFEQESLSMNR  556
consensus                                    *!**        !***!  !!! !*** !***  *       *** * !!**  *  !  **  !!!!!**   *!
```

```
logo
NTDB id 149266 AB831 RS20265 WP 021450907.1  PSAPLDKS.IKRTIMVVDDNESLRKFTAMLLEKQGFEVVQKEDGQQALDTLEKENIDLILMDIEMPIMDGVEASRRIRNS   632
NTDB id 1162 A1552VC RS17020 WP 001882375.1  NVIPLQKSRHERRILVVDDNQSIRTFTAILLEQQGYEVVQANDGSEVLKHMESQNIDLVLMDIEMPNVGGLEATRLIRNS   636
consensus                                    *  !! !!** ! !*!!!!! !*! !!!*!!! !!*!!!!  !!   ! **!  !!!!*!!!!!!! * !*!!*! !!!!

logo
NTDB id 149266 AB831 RS20265 WP 021450907.1  EKPYASVPIIAHTGDSSPVTLDKIGSSGMSDFIVKPADKNRLFDKIANWI   682
NTDB id 1162 A1552VC RS17020 WP 001882375.1  EHEYKNIPIIGYTGDNSPKTLALVQTSGMNDFIVKPADRDVLLNKVAAWV   686
consensus                                    !**!  *!!!**!!! !! !!  * *!!! !!!!!!!!*  !  !*! !*
```

X non conserved

X similar

X $\geq$ 50% conserved