```
logo
NTDB id 208037 PFAS1 RS15575 WP 076029705.1  MIAETSSPGSKQAQRLLRLYHLYRLSIGITLVLLIASNMDNQLLTFSNDDLLRSGSWFYLVLNILLVVFLGNTRRPAQLF   80
NTDB id 1472 PAKAF RS23995 WP 016253893.1    MRAERLRLSEEQGQRILRLYHLYRLTIGLVLVLLISSELEDQVLKLVHPELFHVGSWCYLVFNILVALFLPPSRQLLPIF   80
consensus                                    ! !!   *   !*!!*!!!!!!!!!*!!* !!!!! ! ** !*!   ***! * !!!*!!! !!!* *!!***! * **!

logo
NTDB id 208037 PFAS1 RS15575 WP 076029705.1  SLALTDVLLLCGLFYAAGGVASAIGNLLIVSVAISNTLLRGRIGLLIAAVGALGIVGLSFLLSFSHPATPNDYLQVGTLG  160
NTDB id 1472 PAKAF RS23995 WP 016253893.1    ILALTDVLMLCGLFYAGGGVPSGIGSLLVVAVAIANILLRGRIGLVIAAAASLGLLYLTFFLSLSSPDATNHYVQAGGLG  160
consensus                                     !!!!!!!*!!!!!!!*!!!*!*!! !!*! !!! ! !!!!!!!!*!!! * !!** !*! !! !*!   *!*!*! ! !!

logo
NTDB id 208037 PFAS1 RS15575 WP 076029705.1  ALCFAAALLVQGLIRRLEVSETLAEQRASEVVSLEALNALILQRMRTGILVLDDKRRVQLANHSALNLLGRESLAGQLID  240
NTDB id 1472 PAKAF RS23995 WP 016253893.1    TLCFAAALVIQALVRRQEQTETLAEERAETVANLEELNALILQRMRTGILVVDSRQAILLANQAALGLLRQDDVQGASLG  240
consensus                                     !!!!!!!**!*!*!! ! *!!!!! !!  !  !! !!!!!!!!!!!!!!!*! *  * !!!* !! !!  * * !  *

logo
NTDB id 208037 PFAS1 RS15575 WP 076029705.1  DYLPSLVERLQLWLNNPTLRPQSLKVASSGLELQPSFIALDQSPHHQTLVFLEDLAQIAQQAQQLKLAALGRLTAGIAHE  320
NTDB id 1472 PAKAF RS23995 WP 016253893.1    RHSPMLMHCMKQWRLNPSLRPPTLKVVPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQQMKLAGLGRLTAGIAHE  320
consensus                                     * ! !**** !  !!*!!!**!!! * !* *!!!!! !   **** !*!!!!* !!!!!!!!*!!!*!!!!!!!!!!!

logo
NTDB id 208037 PFAS1 RS15575 WP 076029705.1  IRNPLGAVSHAAQLLQESEELNSADRRLTQIIQDHSQRMNRVIENVLQLSRRQQTVAQRLDLKPWLEQFVNETRARTIEH  400
NTDB id 1472 PAKAF RS23995 WP 016253893.1    IRNPLGAISHAAQLLQESEELDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPGRLRND  400
consensus                                    !!!!!!!*!!!!!!!!!!!!!  *!!!!!!!!!!*! !!! !!!!!!!!!!! !  *! !!!!*!!  !! ! **!   *

logo
NTDB id 208037 PFAS1 RS15575 WP 076029705.1  QQIHLRIGSGDFKTLMDPDQLTQILDNLLRNAWRHSALNHDQAQAWLELFVDPDSQLPVLEILDDGPGVAPEHQVHLFEP  480
NTDB id 1472 PAKAF RS23995 WP 016253893.1    SELHLQLGAGDIQTRMDPHQLNQVLSNLVQNGLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNNLFEP  480
consensus                                     *!! *! !!  ! !!!*!! !*! !!* !* !*!!  !  *! !! !  !!*! !!!!!!*!!!!!!****  *!!!!

logo
NTDB id 208037 PFAS1 RS15575 WP 076029705.1  FFTTSTQGTGLGLYLSRELCESNQARLDFKPR.QGGGCFRITFAHGRKQS   529
NTDB id 1472 PAKAF RS23995 WP 016253893.1    FFTTESKGTGLGLYLSRELCESNQARIDYRNREEGGGCFRITFAHPRKLS   530
consensus                                    !!!! * !!!!!!!!!!!!!!!!!!!!*!***!* !!!!!!!!!!!!*!! !
```

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