```
logo
NTDB id 179026 ABE65 RS14840 WP 066396480.1  MLEPRTRWEIQEPSKDKAKWLSQELDIPLLIANLLVVRGIETIEKAEAFLNIDISQFHDPFLMDGMKESVERIHKAVESS   80
NTDB id 354 BSU 27620 NP 390640.1            MLASKMRWEIQRPDQDKVKSLTEQLHITPLVASLLVKRGFDTAESARLFLHTKDADFYDPFEMKGMKEAADRIKQAISQQ   80
consensus                                    !! ** !!!!! !  !! ! !*  !*!**!*! !!! !! *! ! !  !!*     !*!!! ! !!!!  *!!* !*

logo
NTDB id 179026 ABE65 RS14840 WP 066396480.1  EKILIFGDYDADGVSSTTVMYYALKELGAEFDYYIPNRFTEGYGPNEPALRKAKEDGYSLVVTVDTGISAVHEANIAKEI  160
NTDB id 354 BSU 27620 NP 390640.1            EKIMIYGDYDADGVTSTSVMLHTLQKLSAQVDFYIPDRFKEGYGPNEQAFRSIKERGFSLIITVDTGIAAVHEAKVAKEL  160
consensus                                    !!!*!*!!!!!!!!*!!*!! * !  ! !  !*!!! !! !!!!!!!*! !  !! !*!!**!!!!!! !!!!! *!!!*

logo
NTDB id 179026 ABE65 RS14840 WP 066396480.1  GLDFIITDHHEAPPVLPDAYSIINPKKPGCTYPFSGLAGVGVAFKVAHALHGRPPLHLLDYACIGTIADLVPLVDENRVI  240
NTDB id 354 BSU 27620 NP 390640.1            GLDVIITDHHEPGPELPDVRAIVHPKQPGCTYPFKELAGVGVAFKLAHALLGELPDELLDLAAIGTIADLVPLHDENRLI  240
consensus                                    !!! !!!!!!!**! !!!   !**!! !!!!!!!  !!!!!!!!!*!!!!*! *! *!!! !*!!!!!!!!!!*!!!!*!

logo
NTDB id 179026 ABE65 RS14840 WP 066396480.1  AKLGIEALSKTDKIGLQELLKVAGLYEKELTAEDVGFAIGPRVNAAGRLGSAMPVVELFTSSDRDESAMLSEEIDSVNKE  320
NTDB id 354 BSU 27620 NP 390640.1            ATLGLERLRRTNRLGLKELIKLSGGDIGEANEETVGFQLAPRLNAVGRIEQADPAVHLLMSEDSFEAEELAAEIDQLNKE  320
consensus                                    ! !!*! ! *! **!! !!*!* !   !  ! !!! **!!*!! !!*  ! ! !*!  ! !  !   !  !!! *!!!

logo
NTDB id 179026 ABE65 RS14840 WP 066396480.1  RQGIVNEITKEAIAMVEESFPPEKNEVLVLAKEGWNPGVIGIVASRLVEKFYRPTIVLCLDPEKETAKGSARSIKGFDMF  400
NTDB id 354 BSU 27620 NP 390640.1            RQKMVSKMTDEAIEMVEQQGL..DQTAIVVAKAGWNPGVVGIVASKLVDRFYRPAIVLGIDEEKGIAKGSARSIRGFNLF  398
consensus                                    !! *!  *! !!! !!!   *** *  *!*!! !!!!!!*!!!!!*!!**!!!! !!!**!*!!  !!!!!!!!*!! *!

logo
NTDB id 179026 ABE65 RS14840 WP 066396480.1  ENLSESRDILPHFGGHPMAAGMTLSIHDVEELRSRLIQQAKQCLSPEDYQPVTSIDLTARLNEISLETVELLSTLSPFGV  480
NTDB id 354 BSU 27620 NP 390640.1            ESLSECRDILPHFGGHPMAAGMTLKAEDVPDLRSRLNEIADNTLTEEDFIPVQEVDLVCGVEDITVESIAEMNMLSPFGM  478
consensus                                    ! !!!*!!!!!!!!!!!!!!!!!!  *!!**!!!!!   ! **!**!!* !!  *!! * * *!**!**  *  !!!!!*

logo
NTDB id 179026 ABE65 RS14840 WP 066396480.1  GNPSPRVMVEEVPIREMKKIGSQSNHLKLQVGNGELSVLDCIGFQKGSLLEEMTPYSLVSIVGQIQLNEWNGYRKPQLLL  560
NTDB id 354 BSU 27620 NP 390640.1            LNPKPHVLVENAVLEDVRKIGANKTHVKMTIRN.ESSQLDCVGFNKGELQEGIVPGSRISIVGEMSINEWNNRKKPQLMI  557
consensus                                     !! !*!*!!  ** ***!!! *  !*!* * !*! ! !!!*!!*!! ! ! * ! ! *!!!! * *!!!!  *!!!!**
```

```
logo
NTDB id 179026 ABE65 RS14840 WP 066396480.1  EDLSVNHFQLFDYRGLKDAAKRLIGLPYSKTCFIAFEDETRRHKDFEALSDQVIGEDELLTLPEDYFKEKNLVFLDVPPS   640
NTDB id 354 BSU 27620 NP 390640.1            KDAAVSEWQLFDLRGKRTWEDTVSALPSAKRAIVSFKEDSTTLLQTEDLRREVHVISSKDQAKAFDLDGAYIVLLDPPPS   637
consensus                                     !  ! **!!!! !! *     * *!!  ! * * ! ***  *   ! !   !*        *        *! !!*!!!

logo
NTDB id 179026 ABE65 RS14840 WP 066396480.1  LSRFSEWLETIGEPSRIYAVFHQSTEHFFTTLPTREHFKWFYGFLAKRKTFNVKRDGAELAKWKGWSKETIDFMSKVFFE   720
NTDB id 354 BSU 27620 NP 390640.1            LDMLARLLE.GKAPERIYFIFLNHEDHFLSTFPARDHFKWYYAFLLKRGAFDVKKHGSELAKHKGWSVETINFMTKVFFD   716
consensus                                    !      !!*   ! !!! *!*** *!! *! ! !*!!!!*!*!! !!  ! !!**! !!!!*!!!! !!! !!*!!!!*

logo
NTDB id 179026 ABE65 RS14840 WP 066396480.1  LDFVTIDDGVIFINKEPSKRELESSETYQKKFEQADIENQLVYSSYHSLKSWFTEQTRPKASL.......   783
NTDB id 354 BSU 27620 NP 390640.1            LGFVKIENGVLSVVSGAKKRDLTDSQTYQAKQQLMELDQKLNYSSAEELKEWLNKLMKQDSEAYESTRRT   786
consensus                                    ! !! !* !!* *   * !!*!  ! !!! !    **** ! !!! * !! !     **    *******
```

X non conserved

X similar

X ≥ 50% conserved