```
logo

NTDB id 1009000 ABNF96 RS07175 WP 035204527.1   MLQSKTRWRILEQNELLAQELADELRVSMLTARLLVRRGIQTVQAAKRFLHYEEPTFYDPFLLKGMEETIERIALAVKRK    80
NTDB id 354 BSU 27620 NP 390640.1               MLASKMRWEIQRPDQDKVKSLTEQLHITPLVASLLVKRGFDTAESARLFLHTKDADFYDPFEMKGMKEAADRIKQAISQQ    80
consensus                                       !! !! !! !  *       ! * !****! ! !!!*!!  !   !* !!!  ** !!!!! *!!! !  *!!  !*

logo

NTDB id 1009000 ABNF96 RS07175 WP 035204527.1   ERILVFGDYDADGVSSTSVMLTALQTYGADCDYYIPNRFTEGYGPNCPALDFAKRQGYHLVITVDTGISALNEAAHAKDI   160
NTDB id 354 BSU 27620 NP 390640.1               EKIMIYGDYDADGVTSTSVMLHTLQKLSAQVDFYIPDRFKEGYGPNEQAFRSIKERGFSLIITVDTGIAAVHEAKVAKEL   160
consensus                                       !*!***!!!!!!!!*!!!!!!* !!   ! *!*!!! !! !!!!!!**!    !  !**!*!!!!!!! !**!! *!!**

logo

NTDB id 1009000 ABNF96 RS07175 WP 035204527.1   GLDFIITDHHEPPPVLPEALAIINPKQPGCPYPFKELAGVGVAFKVAHALLGRLPEELLDYAVIGTIADLVPLIDENRLL   240
NTDB id 354 BSU 27620 NP 390640.1               GLDVIITDHHEPGPELPDVRAIVHPKQPGCTYPFKELAGVGVAFKLAHALLGELPDELLDLAAIGTIADLVPLHDENRLI   240
consensus                                       !!!  !!!!!!!!*! !!*  !!**!!!!!!*!!!!!!!!!!!!!!*!!!!!! !!*!!!! ! !!!!!!!!!!*!!!!!*

logo

NTDB id 1009000 ABNF96 RS07175 WP 035204527.1   AKKGLRAIESSGRPGIRALKEVCGMKQEAMDADHIGFAIGPRLNAAGRLDSANPAVELLLADDEEEAKALATEIDSLNKE   320
NTDB id 354 BSU 27620 NP 390640.1               ATLGLERLRRTNRLGLKELIKLSGGDIGEANEETVGFQLAPRLNAVGRIEQADPAVHLLMSEDSFEAEELAAEIDQLNKE   320
consensus                                       !  !!  *  * !*!** !  **!       ***!! **!!!!! !!** ! !!!*!!* *!  !!  !! !!! !!!!

logo

NTDB id 1009000 ABNF96 RS07175 WP 035204527.1   RQAIVSKMTEEAIRLVETTYGTKIPHAIVVAKEGWNPGVIGIVASRLVEQFYRPTIVMSIDESSGLAKGSARSIEGFDMY   400
NTDB id 354 BSU 27620 NP 390640.1               RQKMVSKMTDEAIEMVEQQG..LDQTAIVVAKAGWNPGVVGIVASKLVDRFYRPAIVLGIDEEKGIAKGSARSIRGFNLF   398
consensus                                       !! *!!!!!*!!! *!!   **  **!!!!!! !!!!!!*!!!!!*!!* !!!! !!* !!!  !*!!!!!!!! !! **

logo

NTDB id 1009000 ABNF96 RS07175 WP 035204527.1   QELANNRDILPHFGGHPMAAGMTLKTEDIDDLRSRLIKQAKETLTDDMLTPATDIDLVAEVEDVTVQVIGELQALAPFGV   480
NTDB id 354 BSU 27620 NP 390640.1               ESLSECRDILPHFGGHPMAAGMTLKAEDVPDLRSRLNEIADNTLTEEDFIPVQEVDLVCGVEDITVESIAEMNMLSPFGM   478
consensus                                         !  *!!!!!!!!!!!!!!!!!!! !!**!!!!!!   !  !!!**   !  **!!!* !!!*!!  !*!** ! !!!*

logo

NTDB id 1009000 ABNF96 RS07175 WP 035204527.1   ANRKPIVLVEGAHISDMRRIGSNQNHLKIQFTGAQKPLDGIAFRMGHLFEEITPHAKLSAIGTVSLNEWNGKVKPQLIID   560
NTDB id 354 BSU 27620 NP 390640.1               LNPKPHVLVENAVLEDVRKIGANKTHVKMTIRNESSQLDCVGFNKGELQEGIVPGSRISIVGEMSINEWNNRKKPQLMIK   558
consensus                                        !*!!*!!!! !** !*!*!! !  !*!*       *!!***!  !*! ! ! !* **! *! *!*!!!! * !!!!*!
```

```
logo
NTDB id 1009000 ABNF96 RS07175 WP 035204527.1  DLAVLEWQLFDWRSIQPNRLNSRLLDLPREKLVAISFQEGTKERLG.....LDVPVY...DYRQAPSFFKAYVVLLDLPS   632
NTDB id 354 BSU 27620 NP 390640.1              DAAVSEWQLFDLRGKRTWE..DTVSALPSAKRAIVSFKEDSTTLLQTEDLRREVHVISSKDQAKAFDLDGAYIVLLDPPP   636
consensus                                      ! !! !!!!!! !   *  **  *  !!  !   *!! ! *   ! ***** *! ! ***!   !*    !!*!!!!*!*

logo
NTDB id 1009000 ABNF96 RS07175 WP 035204527.1  NRVELETLFSKKGEPSRVYVVFSEEEESFFQTNPNREQFKWYYGFIKKNQRFSLNQLGAKLEKHKGWSARTVEFMTTVFL   712
NTDB id 354 BSU 27620 NP 390640.1              SLDMLAR.LLEGKAPERIYFIFLNHEDHFLSTFPARDHFKWYYAFLLKRGAFDVKKHGSELAKHKGWSVETINFMTKVFF   715
consensus                                          !  *      ! !*! *!  *!**!  ! ! !**!!!!!*!* !   ! *  *!  ! !!!!!!  !* !!! !!

logo
NTDB id 1009000 ABNF96 RS07175 WP 035204527.1  ELGFIKLDDGIVEAVENPEKKALTASPTYQAKQEKAWLENEFVFASYQQLKEWFQAAIDGSAETKEESILNGL   785
NTDB id 354 BSU 27620 NP 390640.1              DLGFVKIENGVLSVVSGAKKRDLTDSQTYQAKQQLMELDQKLNYSSAEELKEWLNKLMKQDSEAYESTRRT..   786
consensus                                      *!!!*!** !**  !  * !* !! !*!!!!!!    !**   * !   !!!! *  *    !  ! *   **

X  non conserved
X  similar
X  ≥ 50% conserved
```