```
logo
NTDB id 357784 E4A35 RS22045 WP 000941260.1  MLQPKTRWKEKEYNGERVSELASKLQLSPLVVSLFLGRGLDTEDKILDFLNTENQEFHDPFLLEGMDRTVERVNKAIQNG   80
NTDB id 354 BSU 27620 NP 390640.1            MLASKMRWEIQRPDQDKVKSLTEQLHITPLVASLLVKRGFDTAESARLFLHTKDADFYDPFEMKGMKEAADRIKQAISQQ   80
consensus                                    !! *! !!    *  **!  !   !***!!! !! * !! !! *    !!*!   *!*!!! * !!    *!*  !! *

logo
NTDB id 357784 E4A35 RS22045 WP 000941260.1  EQILIFGDYDADGVSSTTVLYLALQELGADVEFYIPNRFTEGYGPNEEAFRWAHSAGFSLIITVDTGIAAVHEAKVAKEL  160
NTDB id 354 BSU 27620 NP 390640.1            EKIMIYGDYDADGVTSTSVMLHTLQKLSAQVDFYIPDRFKEGYGPNEQAFRSIKERGFSLIITVDTGIAAVHEAKVAKEL  160
consensus                                    ! !*!*!!!!!!!!*!!*!* * !! ! ! !*!!!! !! !!!!!!! !!!  *  !!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 357784 E4A35 RS22045 WP 000941260.1  GIDLIITDHHEPPPELPEALAIIHPKLDGGVYPFHYLAGVGVAFKVAHALLGRVPEHLLEIAVIGTVADLVSLHGENRLL  240
NTDB id 354 BSU 27620 NP 390640.1            GLDVIITDHHEPGPELPDVRAIVHPKQPGCTYPFKELAGVGVAFKLAHALLGELPDELLDLAAIGTIADLVPLHDENRLI  240
consensus                                    !*!*!!!!!!!!*!!!!*  !!*!!! *!* !!!* !!!!!!!!!*!!!!!! *!**!!**! !!!*!!!!*!! !!!!*

logo
NTDB id 357784 E4A35 RS22045 WP 000941260.1  VKRGLKHMRMTKNIGLKALFKVANVSQSEITEESIGFSIAPRINAVGRLEDATPAVHLLLSEDPEEAKELAEEIDELNKL  320
NTDB id 354 BSU 27620 NP 390640.1            ATLGLERLRRTNRLGLKELIKLSGGDIGEANEETVGFQLAPRLNAVGRIEQADPAVHLLMSEDSFEAEELAAEIDQLNKE  320
consensus                                       !! **! !  *!!! ! !*      !  !!**!! *!!!*!!!!!*! ! !!!!!!*!!!* !! !!! !!! !!!

logo
NTDB id 357784 E4A35 RS22045 WP 000941260.1  RKDIVKQITEEAIAEVENNFPPEDNKVLVLAKEGWNPGVIGIVASKLVERFYRPTIVLCIDPVKETAKGSARSIAGFDLF  400
NTDB id 354 BSU 27620 NP 390640.1            RQKMVSKMTDEAIEMVEQQ..GLDQTAIVVAKAGWNPGVVGIVASKLVDRFYRPAIVLGIDEEKGIAKGSARSIRGFNLF  398
consensus                                    !  *!  *!*!!!  !!***** !*  *!*!! !!!!!!*!!!!!!!!*!!!!! !!!*!!* !  !!!!!!!! !! !!

logo
NTDB id 357784 E4A35 RS22045 WP 000941260.1  ANLSDCRELLPHFGGHPMAAGMTLHMNDVDELRRRLNEQAEVILTEEDFIPITAVDAFCKVEDVTLAAIEDMQKLAPFGV  480
NTDB id 354 BSU 27620 NP 390640.1            ESLSECRDILPHFGGHPMAAGMTLKAEDVPDLRSRLNEIADNTLTEEDFIPVQEVDLVCGVEDITVESIAEMNMLSPFGM  478
consensus                                     !!*!!**!!!!!!!!!!!!!!!!*  !!**!! !!!! !*  !!!!!!!!*  !!  ! !!!*!*  ! *!* ! !!!*

logo
NTDB id 357784 E4A35 RS22045 WP 000941260.1  GNPKPRIAVKDAELESIRAIGSDGSHLKMALRDGQATLDTIGFGFGAYAKEISPVAKVSVIGEASINEWNNFKKPQLMVQ  560
NTDB id 354 BSU 27620 NP 390640.1            LNPKPHVLVENAVLEDVRKIGANKTHVKMTIRNESSQLDCVGFNKGELQEGIVPGSRISIVGEMSINEWNNRKKPQLMIK  558
consensus                                     !!!!** !  ! !! *! !!   *!*!! *!     !!**!!  !     ! !  **!**!! !!!!!!! !!!!!!*
```

```
logo
NTDB id 357784 E4A35 RS22045 WP 000941260.1  DIAVEAWQLFDWRSMRNVEANLAELPKEKITMVYFSKEVLHKFSLEDYKEHMM.....HASEVTELDEQYIVLLDLPKGT   635
NTDB id 354 BSU 27620 NP 390640.1            DAAVSEWQLFDLRGKRTWEDTVSALPSAKRAIVSFKEDSTTLLQTEDLRREVHVISSKDQAKAFDLDGAYIVLLDPPPSL   638
consensus                                    ! !!  !!!!! !  !  !  *  !!  !  *! !  *  *    !! * *********     *!!  !!!!!!*!*

logo
NTDB id 357784 E4A35 RS22045 WP 000941260.1  DELRDLFKVGFPSRIYTLFYQENNHLFSTVPTRDHFKWYYSFLSQKSPFSLRQYGEQLCQHKGWSKDTVNFMTQVFFELE   715
NTDB id 354 BSU 27620 NP 390640.1            DMLARLLEGKAPERIYFIFLNHEDHFLSTFPARDHFKWYYAFLLKRGAFDVKKHGSELAKHKGWSVETINFMTKVFFDLG   718
consensus                                    ! !  !     ! !!! *! **  !  !! ! !!!!!!!! !!  * *! ** *!  !* !!!!! *!*!!!! !!!*!

logo
NTDB id 357784 E4A35 RS22045 WP 000941260.1  FVTIKDGVIFMADKKQKRDLIESNTYREKMNHLQLEKELVYSTYQQLYTWFETIRNHKEVEQLG....   779
NTDB id 354 BSU 27620 NP 390640.1            FVKIENGVLSVVSGAKKRDLTDSQTYQAKQQLMELDQKLNYSSAEELKEWLNKLMKQDSEAYESTRRT   786
consensus                                    !! !  !!* *     !!!! *!*!!  ! *** !*  ! !!*   !  !   *  *       ****
```

X non conserved

X similar

X $\geq$ 50% conserved