```
logo
NTDB id 1008588 ABNP42 RS17900 WP 350019632.1  MLQSKKRWNVKHIDNPLVDEFAKKLNITPLVASLLINRGIQTVEEASQFLHIEDESFHDPFLLEGMEETVARIRQAIENN   80
NTDB id 354 BSU 27620 NP 390640.1              MLASKMRWEIQRPDQDKVKSLTEQLHITPLVASLLVKRGFDTAESARLFLHTKDADFYDPFEMKGMKEAADRIKQAISQQ   80
consensus                                      !! !! !! * **!** !      !*!!!!!!!!!* !!  ! ! !  !!!  !  !*!!! * !! !   !!*!!! **

logo
NTDB id 1008588 ABNP42 RS17900 WP 350019632.1  ERIMIYGDYDADGVSSTSVMLSALGQLGAQVDFYIPNRFTEGYGPNEQAFRQISDEGYGLVVTVDTGISAVKEAKLAAEL  160
NTDB id 354 BSU 27620 NP 390640.1              EKIMIYGDYDADGVTSTSVMLHTLQKLSAQVDFYIPDRFKEGYGPNEQAFRSIKERGFSLIITVDTGIAAVHEAKVAKEL  160
consensus                                      !*!!!!!!!!!!!!*!!!!!!* !  ! !!!!!!!!! !! !!!!!!!!!!! ! * !* !**!!!!!! !!*!!!*! !!

logo
NTDB id 1008588 ABNP42 RS17900 WP 350019632.1  GFDLIITDHHEPGPELPEAYAIIHPKLPGGVYPFKELAGVGVAFKLAHALLGEAPEHLLELAVIGTIADLVPLVGENRLI  240
NTDB id 354 BSU 27620 NP 390640.1              GLDVIITDHHEPGPELPDVRAIVHPKQPGCTYPFKELAGVGVAFKLAHALLGELPDELLDLAAIGTIADLVPLHDENRLI  240
consensus                                      ! !*!!!!!!!!!!!!!*  !!*!!! !!* !!!!!!!!!!!!!!!!!!!!! !**!!*!! !!!!!!!!!!* !!!!!

logo
NTDB id 1008588 ABNP42 RS17900 WP 350019632.1  AKKGLRYLKSSTRPGIEALLKVCSVKKEDITEDTIGFALAPRINAVGRLQDADPAVDLLMSAHYEEAIELAKEIDNLNKE  320
NTDB id 354 BSU 27620 NP 390640.1              ATLGLERLRRTNRLGLKELIKLSGGDIGEANEETVGFQLAPRLNAVGRIEQADPAVHLLMSEDSFEAEELAAEIDQLNKE  320
consensus                                      !  !!  !* * !*!*  !*!**     *  !*!*!! !!!!*!!!!!*  !!!!!*!!!! *  !! !!! !!!*!!!!

logo
NTDB id 1008588 ABNP42 RS17900 WP 350019632.1  RQQIVNEITQEAINTVEGLYPPSENPVLIIEGEGWNAGVVGIVASRLVEKFYRPTIVLSLDHETGLAKGSARSIPGFDLF  400
NTDB id 354 BSU 27620 NP 390640.1              RQKMVSKMTDEAIEMVEQQG..LDQTAIVVAKAGWNPGVVGIVASKLVDRFYRPAIVLGIDEEKGIAKGSARSIRGFNLF  398
consensus                                      !! *!  *! !!!  !!   ** *** ***   !!!*!!!!!!!!*!!**!!!! !!! *!*! !*!!!!!!!!*!! !!

logo
NTDB id 1008588 ABNP42 RS17900 WP 350019632.1  ANLSKSRDILPHFGGHPMAAGMTLEAKNVELLRQRLNEQAQEVLTEQDFIPITLIDTICKIEDVTISSIEELQTLAPFGM  480
NTDB id 354 BSU 27620 NP 390640.1              ESLSECRDILPHFGGHPMAAGMTLKAEDVPDLRSRLNEIADNTLTEEDFIPVQEVDLVCGVEDITVESIAEMNMLSPFGM  478
consensus                                        !! *!!!!!!!!!!!!!!!!!! !  !* !! !!!! !   !!! !!!!*  *! *! *!!*!* !! !** ! !!!!

logo
NTDB id 1008588 ABNP42 RS17900 WP 350019632.1  HNPKPKVLVEHVTPTSMRKIGSDKNHLKLVVEDNGFSIDAVGFGLGHVLDEVSPLAKVSLVGELSINEWNNMRKPQLMIE  560
NTDB id 354 BSU 27620 NP 390640.1              LNPKPHVLVENAVLEDVRKIGANKTHVKMTIRNESSQLDCVGFNKGELQEGIVPGSRISIVGEMSINEWNNRKKPQLMIK  558
consensus                                      *!!!!*!!!!*  *  *!!!!  ! !*!* *      *!*!!!  !** * * !  **!*!!!*!!!!!!! *!!!!!
```

```
logo
NTDB id 1008588 ABNP42 RS17900 WP 350019632.1  DVAVSEWQLFDYRNSFDMKRFFQEIFTKEMDIVTFNPKTVQKHAAILPMDQVVEISTDEQASLYKSADKQMVLLDLPDST   640
NTDB id 354 BSU 27620 NP 390640.1              DAAVSEWQLFDLRGKRTWEDTVSALPSAKRAIVSFKEDSTTLLQTEDLRREVHVISSKDQAKAFDLDGAYIVLLDPPPSL   638
consensus                                      ! !!!!!!!!! !           ***    !!*! * *   *    *   !* !!* *!!  *      *!!!!*!*!

logo
NTDB id 1008588 ABNP42 RS17900 WP 350019632.1  ERLNLLFAEGQPARVYAMFVTESDSYFDTIPTREHFKWFYGLLAKRSPFDLNRYKEEISIHKGWTKDTIDFICQVFFELE   720
NTDB id 354 BSU 27620 NP 390640.1              DMLARLLEGKAPERIYFIFLNHEDHFLSTFPARDHFKWYYAFLLKRGAFDVKKHGSELAKHKGWSVETINFMTKVFFDLG   718
consensus                                      * !  !     ! !*! *!* * !**  ! ! !*!!!!*!* ! !! *!!* **  !*  !!!!* *!! !** !!!*!

logo
NTDB id 1008588 ABNP42 RS17900 WP 350019632.1  FVTINNGLISLVKNSSKRDLIESVTYRNKQQQIEMDKNFIYSSYAQLKSEFEKLLASADE........   780
NTDB id 354 BSU 27620 NP 390640.1              FVKIENGVLSVVSGAKKRDLTDSQTYQAKQQLMELDQKLNYSSAEELKEWLNKLMKQDSEAYESTRRT   786
consensus                                      !! ! !!**!*!    !!!! *! !!  !!! *!*!    !!!   !!    !!*    !********
```

X non conserved

X similar

X $\geq$ 50% conserved