```
logo

NTDB id 1066059 ACFU43 RS05615 WP 396129519.1  MYHAKKRWVYPETDAAAIEQLQTELNISEQLATLLTQRGHRDVEAAKAFLYVEDELTFHDPFLFEQMPKVVDCLKQAADE   80
NTDB id 354 BSU 27620 NP 390640.1              MLASKMRWEIQRPDQDKVKSLTEQLHITPLVASLLVKRGFDTAESARLFLHTK.DADFYDPFEMKGMKEAADRIKQAISQ   79
consensus                                      ! * ! !!  * *!   *  !  !*!** *!*!!  !!*   ! !* !!*  **  !*!!!    !*   !**!!!

logo

NTDB id 1066059 ACFU43 RS05615 WP 396129519.1  GEMVLIYGDYDVDGVSASAVMWHALTEMGVMAECYIPNRFTEGYGPNKEAFSWAAGEGFTLIITVDCGISGIEEAALLKE  160
NTDB id 354 BSU 27620 NP 390640.1              QEKIMIYGDYDADGVTSTSVMLHTLQKLSAQVDFYIPDRFKEGYGPNEQAFRSIKERGFSLIITVDTGIAAVHEAKVAKE  159
consensus                                       ! **!!!!!! !!!* * !! ! !  *    **!!! !! !!!!!!  !!      !!*!!!!!!*!! ***!! * !!

logo

NTDB id 1066059 ACFU43 RS05615 WP 396129519.1  LGVDLIITDHHEPKETLPDAFAIIHPHI.DPSYPYDKLAGAGVALKVAHAVLGRMPEELLDLAVLGTIADLVPLDGENRL  239
NTDB id 354 BSU 27620 NP 390640.1              LGLDVIITDHHEPGPELPDVRAIVHPKQPGCTYPFKELAGVGVAFKLAHALLGELPDELLDLAAIGTIADLVPLHDENRL  239
consensus                                      !!*!*!!!!!!!! * !!!  !!*!!* *  *!!*  !!! !!! !*!!!*!! *!*!!!!!! *!!!!!!!!!* !!!!

logo

NTDB id 1066059 ACFU43 RS05615 WP 396129519.1  LAKLGLKALDDSKRPGILALREVCALTDGTLNEESVGFAFGPRINAAGRLDSAMPALQMLLAESEEEALVLAQQLDKQNK  319
NTDB id 354 BSU 27620 NP 390640.1              IATLGLERLRRTNRLGLKELIKLSGGDIGEANEETVGFQLAPRLNAVGRIEQADPAVHLLMSEDSFEAEELAAEIDQLNK  319
consensus                                      *! !!!  !  * !*!*  !  ***   !  !!!*!!!  *!!*!! !!** ! !!***!* !   !!  !!  *!  !!

logo

NTDB id 1066059 ACFU43 RS05615 WP 396129519.1  ERQDIVKTIAKEATELVEASMTNDRVLVVASERWNPGVVGIVASRLVEAYYRPVILLCHDPKTGKAKGSGRSIDGFDLFK  399
NTDB id 354 BSU 27620 NP 390640.1              ERQKMVSKMTDEAIEMVEQQGLDQTAIVVAKAGWNPGVVGIVASKLVDRFYRPAIVLGIDEEKGIAKGSARSIRGFNLFE  399
consensus                                      !!! *!  *  !! !*!!        *!!!   !!!!!!!!!!!*!!* *!!! !*!**!*  ! !!!!*!!! !! !!

logo

NTDB id 1066059 ACFU43 RS05615 WP 396129519.1  ELSKNEDILPHFGGHPAAAGMTLQSENVAELRRRLNEQAES.IPDETFVARVNVDLKLDVNDVSLDLISEIGKLAPFGMG  478
NTDB id 354 BSU 27620 NP 390640.1              SLSECRDILPHFGGHPMAAGMTLKAEDVPDLRSRLNEIADNTLTEEDFIPVQEVDLVCGVEDITVESIAEMNMLSPFGML  479
consensus                                       !! * !!!!!!!!!! !!!!!!  ! !**!! !!!! !* ****! !**   !!! * ! !**** ! !*  ! !!!!

logo

NTDB id 1066059 ACFU43 RS05615 WP 396129519.1  NPSPRVVVADARLRDIRQIGRDNTHLKVQLAGDKRELDGIGFGFGHVVSEISKMAHVSVMGSLQVNEWNGMRKPQLMIQD  558
NTDB id 354 BSU 27620 NP 390640.1              NPKPHVLVENAVLEDVRKIGANKTHVKMTIRNESSQLDCVGFNKGELQEGIVPGSRISIVGEMSINEWNNRKKPQLMIKD  559
consensus                                      !! !*!*!  ! ! !*! !!   !!*!* *  *   !!**!!  !**   ! *  **!**! * *!!!!  *!!!!!! !
```

```
logo
NTDB id 1066059 ACFU43 RS05615 WP 396129519.1  IRVDGFQVFDYRGKKTRSTS.......................................................  578
NTDB id 354 BSU 27620 NP 390640.1              AAVSEWQLFDLRGKRTWEDTVSALPSAKRAIVSFKEDSTTLLQTEDLRREVHVISSKDQAKAFDLDGAYIVLLDPPPSLD  639
consensus                                        !  *!*!! !!!*!   ************************************************************

logo
NTDB id 1066059 ACFU43 RS05615 WP 396129519.1  ...............................................................................  578
NTDB id 354 BSU 27620 NP 390640.1              MLARLLEGKAPERIYFIFLNHEDHFLSTFPARDHFKWYYAFLLKRGAFDVKKHGSELAKHKGWSVETINFMTKVFFDLGF  719
consensus                                      ********************************************************************************

logo
NTDB id 1066059 ACFU43 RS05615 WP 396129519.1  ..................................................................  578
NTDB id 354 BSU 27620 NP 390640.1              VKIENGVLSVVSGAKKRDLTDSQTYQAKQQLMELDQKLNYSSAEELKEWLNKLMKQDSEAYESTRRT  786
consensus                                      ******************************************************************
```

X non conserved

X similar

X $\geq$ 50% conserved