```
logo
NTDB id 982796 NSQ52 RS12565 WP 035390967.1  MLLSKMRWEYEHPSEEKVKSLSENLNISALTASLLVQRGLEEVEEARSFLFDQKAEFHDPFLLKGMKEAVERINKAIEEQ   80
NTDB id 354 BSU 27620 NP 390640.1            MLASKMRWEIQRPDQDKVKSLTEQLHITPLVASLLVKRGFDTAESARLFLHTKDADFYDPFEMKGMKEAADRIKQAISQQ   80
consensus                                    !! !!!!!!  *!  *!!!!!*!*!*!**! !!!!! !! *  ! !! !!*   !*!*!!! *!!!!!! *!!  !!  !

logo

NTDB id 982796 NSQ52 RS12565 WP 035390967.1  ESIVIFGDYDADGVTSTSVLLHTLKERSAKVDFYIPDRFKEGYGPNEQAFRYIKEQGASLVITVDTGIAAVNEARIAKEI  160
NTDB id 354 BSU 27620 NP 390640.1            EKIMIYGDYDADGVTSTSVMLHTLQKLSAQVDFYIPDRFKEGYGPNEQAFRSIKERGFSLIITVDTGIAAVHEAKVAKEL  160
consensus                                    !  !*!*!!!!!!!!!!!!!*!!!!   !! !!!!!!!!!!!!!!!!!!!!!! !!!  ! !!*!!!!!!!!!!*!!**!!!*

logo

NTDB id 982796 NSQ52 RS12565 WP 035390967.1  GLDLIITDHHEPSEELPEALAIVHPKQPGCEYPFKELAGVGVAFKVAHALLGKLPVELLDLAAIGTIADLVPLHDENRWI  240
NTDB id 354 BSU 27620 NP 390640.1            GLDVIITDHHEPGPELPDVRAIVHPKQPGCTYPFKELAGVGVAFKLAHALLGELPDELLDLAAIGTIADLVPLHDENRLI  240
consensus                                    !!!*!!!!!!!! *!!!*  !!!!!!!!!! !!!!!!!!!!!!!!*!!!!!! !! !!!!!!!!!!!!!!!!!!!!!! !

logo

NTDB id 982796 NSQ52 RS12565 WP 035390967.1  AKKGLMQLRQSRRPGLKALLKEAGATLEEANEETVGFQIAPRLNAVGRIEQADPAVHLLMTEDMDEAEELARFVQELNKE  320
NTDB id 354 BSU 27620 NP 390640.1            ATLGLERLRRTNRLGLKELIKLSGGDIGEANEETVGFQLAPRLNAVGRIEQADPAVHLLMSEDSFEAEELAAEIDQLNKE  320
consensus                                    !  !!  !! * !*!!! !*!  !* * !!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!*!!  !!!!!!  *  !!!!

logo

NTDB id 982796 NSQ52 RS12565 WP 035390967.1  RQKIVSTITEEAIQMVEETGADQSAIVVAKAGWNPGVVGIVASKLTDTFSRPAIVLGIDEETQMAKGSARSIPGFDLFFH  400
NTDB id 354 BSU 27620 NP 390640.1            RQKMVSKMTDEAIEMVEQQGLDQTAIVVAKAGWNPGVVGIVASKLVDRFYRPAIVLGIDEEKGIAKGSARSIRGFNLFES  400
consensus                                    !!!*!! *!*!!! !!!  ! !!*!!!!!!!!!!!!!!!!!!!!!! ! ! !!!!!!!!!!  *!!!!!!!!*!! !! *

logo

NTDB id 982796 NSQ52 RS12565 WP 035390967.1  LSKCRDILPHFGGHPMAAGMTLQADDVPLLRERLNQYANETLTEEDFIPIQRVDAVCKVDEMTVQAIEEVGLLSPFGMQN  480
NTDB id 354 BSU 27620 NP 390640.1            LSECRDILPHFGGHPMAAGMTLKAEDVPDLRSRLNEIADNTLTEEDFIPVQEVDLVCGVEDITVESIAEMNMLSPFGMLN  480
consensus                                    !! !!!!!!!!!!!!!!!!!!! !*!!! !! !!!  !  !!!!!!!!!*! !! !! !***!!  ! !* *!!!!!! !

logo

NTDB id 982796 NSQ52 RS12565 WP 035390967.1  PKPFIMIEDAQLEDIRTIGANQNHIKMSLKDEDKLLDCVGFHQGKLKEELVPGSQISVVGEVSINEWNNRKKPQLMLKDA  560
NTDB id 354 BSU 27620 NP 390640.1            PKPHVLVENAVLEDVRKIGANKTHVKMTIRNESSQLDCVGFNKGELQEGIVPGSRISIVGEMSINEWNNRKKPQLMIKDA  560
consensus                                    !!!****! ! !!!*! !!!!  !*!!*** !   !!!!!!* ! ! ! *!!!! !!*!!!*!!!!!!!!!!!!!!!*!!!
```

```
logo
NTDB id 982796 NSQ52 RS12565 WP 035390967.1  RVDEWQLFDLRGKKDWEKKVSTLDPAKTMVFCFDEETKKQSE..LVDIPIHLI.DAENVSTFDVQEKYVIFADVPADEHL   637
NTDB id 354 BSU 27620 NP 390640.1            AVSEWQLFDLRGKRTWEDTVSALPSAKRAIVSFKEDSTTLLQTEDLRREVHVISSKDQAKAFDLDGAYIVLLDPPPSLDM   640
consensus                                     ! !!!!!!!!!!* !!   !! !**!!   * *! !**     ** *  **!*!*  **   !!*   !**  !*!*  **

logo
NTDB id 982796 NSQ52 RS12565 WP 035390967.1  LKLLLENQQPARIYTVFQRKEDHFMSSFPSRDQFKWFYGFLFKRGSFPIKEQGMELAKHRGWTKDTIIFMTKVFFELGFV   717
NTDB id 354 BSU 27620 NP 390640.1            LARLLEGKAPERIYFIFLNHEDHFLSTFPARDHFKWYYAFLLKRGAFDVKKHGSELAKHKGWSVETINFMTKVFFDLGFV   720
consensus                                    !  !!!   ! !!! *!  *!!!!*!*!! !!*!!!*!*!! !!! !**! *! !!!!!*!!* *!! !!!!!!!*!!!!

logo
NTDB id 982796 NSQ52 RS12565 WP 035390967.1  KIENGVLSIVRDAPKKDLTASSSYTAKQRLMELDQTLTYSSAKELKEWLNSMMSEVSPVL......   777
NTDB id 354 BSU 27620 NP 390640.1            KIENGVLSVVSGAKKRDLTDSQTYQAKQQLMELDQKLNYSSAEELKEWLNKLMKQDSEAYESTRRT   786
consensus                                    !!!!!!!!*!  !*!*!!! ! *! !!! !!!!!! ! !!!! !!!!!!! *!   !*  ******
```

X non conserved

X similar

X $\geq$ 50% conserved