```
logo
NTDB id 385128 EVS87 RS15175 WP 135009734.1  MQKFYSKLTVILMILSFIYVIYISYINVFNIFVGAVVSVNDNDQLEIVDVVDFTDSYYAGVRKGDIILEVNGNKEPTEEV   80
NTDB id 91 BSU 31690 NP 391047.2             MKNLIKKFTIAVIVLSILYISYTTYISMNGIIIGTKIHKNDKSQFMIEEISFSSYGQFVGLRQGDIILKINKEKPSDKHL   80
consensus                                    !     ! !* ***!! *!* ! *!! *  ! *!  ** !!  !  ! ** * *   * !*! !!!!! *!   !**   **

logo
NTDB id 385128 EVS87 RS15175 WP 135009734.1  RRGYLANVKSLVVDRHGDEIVIKNVRLLS...QENLFIYLIPVIFYSICLFCIFMILKINKSRKKESAYILALFLLAVAV  157
NTDB id 91 BSU 31690 NP 391047.2             KWGYLSHINSLDILRSGKKIHLKDFDLVTLNRPYSFFLFVLPLFFYFLSIICIFYILKVNKKRRSFAAYILILLLLDISI  160
consensus                                    * !!! ** !! * !*!  !**!   !******   !****!* !! *** !!! !!!*!! !*   !!!! ! !! * *

logo
NTDB id 385128 EVS87 RS15175 WP 135009734.1  AYVSSGGSGKGEYISGFIVITTMTCVPPLYMHFMYQYLKELGTKIISVRVLLSLYAVPFINLVLEIYFKNM.....VLAA  232
NTDB id 91 BSU 31690 NP 391047.2             AYISAGGPFRGHIINRYINLFTFISSPILYLQFIQRYLGEIGKTFLNRI..SFLYIIPIFNLGIEFFQDYLQVDIDFLAT  238
consensus                                    !!*! !!* *!* !  *! * !  * !*!!**!*  !! !*!   *   **  !! *!  !! *! *   ****** !!

logo
FNLLSFFILAFITIIITFRSAKRWKGTEIGNVLSAFGLVLITSFSPFMLFFIIPYFFHKYFISPY.ILASFALLIPFFLV  311
LNLVSFATLTLFSFSAIYLHLNKYKYAEHSFILKLLILTNTLSFAPFLIFFVLPIIFTGNYIFPALASASLLVLIPFGLV  318
 !!*!!  !   *    * *  **!  !*  *!    !    !! !!**!!**!  !*  *! ! *  !!  *!!!! !!

logo
YQFMSNKLYNVDFFMGRIKYYSLLAITPTIVVVIIFDFIQKPSANFYTLKFTIITYILMLTVFYFKEIIDFRFRLKRFSE  391
YQFVANKMFDIEFILGRMRYYALLAMIPTLLIVGALVLFDVMDIQMNPVRQTVFFFVVMFAVFYFKEVMDFKFRLKRFSE  398
!!!* !!** **! *!!**!! !!!* !!***!         *  *  *** !*  ***!  !!!!!!**!!*!!!!!!!!

logo
KHNYQDSVFKFTQLIRDASSLHQVLYHLKYTILEVLVVNKAFVLEVKADGQIEEIDEQTEDSNLWKKYVDQFHDLLGEVG  471
KFNYQDSIFKYTQLMRGVTSLQQVFKELKNTILDVLLVSKAYTFEVTPDHKVIFLDK.HEVGPDWNFYQEEFENVTSEIG  477
!*!!!!!*!!*!!!*!  *!!*!!  *!! !!!*!!*! !!*  !! *!* *  *! **!  * !  ! * !* *  !*!

logo
KIIELNKGFMIKIGERGGHSFVICCLSNLRTPKLTRDEISWLKTLAFYTSVSLENVVKIEELMEHLEDLKQREANPAWLK  551
KIIEVNQGFLMKVGERGGSSYVLLCLSNINTPRLTRDEISWLKTLSFYTSVSMENVLHIEELMEHLKDLKQEGTNPIWLK  557
!!!!*! !!**!*!!!!!*!*!**!!!!* !!*!!!!!!!!!!!! !!!!!!*!!!**!!!!!!!! !!!!   !! !!!
```

```
logo

NTDB id 385128 EVS87 RS15175 WP 135009734.1  KVMFAMEEKQRSDLARDLHDSVLQDLISLKRQSEMFLTNFQN..NQCPTSIENSLISWNEQMSKVIQTTRETCHELRPQL   629
NTDB id 91 BSU 31690 NP 391047.2             KLMFAIEEKQRSGLARDLHDSVLQDLISLKRQCELFLGDFKKDDNPCREEVQDKLVQMNEQMSDVISMTRETCHELRPQL   637
consensus                                    !*!!!*!!!!!! !!!!!!!!!!!!!!!!!!*!*!!   !   **!*!*  *   !*  !!!!! !!  !!!!!!!!!!!!

logo

NTDB id 385128 EVS87 RS15175 WP 135009734.1  LYDLGLVKAISKLTSQIQEEAPFHIRLNTTRFDKELDIDIDSQLNIYRIVQELLSNALKHSKASQVLVMLICIKDQVVLH   709
NTDB id 91 BSU 31690 NP 391047.2             LYDLGLVKALSKLVAQQQERVPFHIRLNTGRFTASL..DLDSQLNLYRIIQEFLSNAVKHSQATDVLIMLISIQNKIVLH   715
consensus                                    !!!!!!!!!*!!!   ! !!  !!!!!!!! !!   !**!*!!!!!*!!!*!! !!!!*!!! !* !!*!!!*!   *!!!

logo

NTDB id 385128 EVS87 RS15175 WP 135009734.1  YEDDGVGFDASQLDQHTMSMGLSGIRERVKALNGKLQIHTAPEKGLKVKIEMEL   763
NTDB id 91 BSU 31690 NP 391047.2             YEDDGVGFDQEKNTEHSMSMGLSGIKERVRALDGRLRIETSEGKGFKADIEIEL   769
consensus                                    !!!!!!!!!      !*!!!!!!!!*!!!*!! !*! !*! * !! !  !!*!!
```

X non conserved

X similar

X $\geq$ 50% conserved