```
logo
NTDB id 173895 AB684 RS17100 WP 026080865.1  MRVNYNKLSLIIILLSLSLVPYIIYVNLHSSYLGMTMQFNEKNEYQVFEIEKGSLAQSLGFKKGDVILEINGKSVEKLRA   80
NTDB id 91 BSU 31690 NP 391047.2             MKNLIKKFTIAVIVLSILYISYTTYISMNGIIIGTKIHKNDKSQFMIEEISESSYGQFVGLRQGDIILKINKEKPSDKHL   80
consensus                                    !*    ! ** *!*!!*  **!  !* **   *!  ** !*!  * * !!   ! *! *! * !!*!! !!   *   *

logo
NTDB id 173895 AB684 RS17100 WP 026080865.1  DDGKLADELSDVKSMIVERDGEIGFVETGYEL...VSYESLFLFIIPMMFYLLSLFCVYFIIKSNKRLNSASAFILIVFL   157
NTDB id 91 BSU 31690 NP 391047.2             KWGYL....SHINSLDILRSGKKIH.LKDFDLVTLNRPYSFFLFVLPLFFYFLSIICIFYILKVNKKRRSFAAYILILLL   155
consensus                                      ! !****!** !* * ! !   **   **!***  * ! !!!**!* !! !!* !***!*! !!*  !  !*!!!* !

logo
NTDB id 173895 AB684 RS17100 WP 026080865.1  LVTSTAYSCSVGSAKGDSLSIYITMITFQFVPVLYLHYIYQYFKEKGKEFFNNKIFLFLYPVGLLNLLLEISGDNLQISY   237
NTDB id 91 BSU 31690 NP 391047.2             LDISIAYISAGGPFRGHIINRYINLFTFISSPILYLQFIQRYLGEIGKTFLNRISFLYIIPI..FNLGIEFFQDYLQVDI   233
consensus                                    !  ! !! *  !* *!* *  !! * !!   !*!!!**!  !  ! !! ! !   !!** !*** !! *!   ! !!*

logo
NTDB id 173895 AB684 RS17100 WP 026080865.1  SSIKLFNLVSFLVVTIIAFALIIYGVIKNKASEQAYFLRILVITNFVAFIPFLIFYVIPYVFIGDYIFPAMFVVPFLLII   317
NTDB id 91 BSU 31690 NP 391047.2             DFLATLNLVSFATLTLFSFSAIYLHLNKYKYAEHSFILKLLILTNTLSFAPFLIFFVLPIIFTGNYIFPALASASLLVLI   313
consensus                                      *   !!!!!  *!*  !  !  ** ! !  !* * !**!**!! * ! !!!!!*!*! *! ! !!!!!*   * !**!

logo
NTDB id 173895 AB684 RS17100 WP 026080865.1  PFSLVYQFIATKIYDIEFLLGRFKYYGLLAILPSLTAVGVFTLTQELSNSLNTVKNTIFIYFIMLGVFYLKEILDFRFRL   397
NTDB id 91 BSU 31690 NP 391047.2             PFGLVYQFVANKMFDIEFILGRMRYYALLAMIPTLLIVGALVLFDVMDIQMNPVRQTVFFFVVMFAVFYFKEVMDFKFRL   393
consensus                                    !! !!!!!*! !**!!!!*!!! *!!*!!!**!*!  !!    !   *   *!*!**!*! * *! *!!! !!**!!*!!!

logo
NTDB id 173895 AB684 RS17100 WP 026080865.1  KRFSEKFNYQDSVFKFTQLIRSSTSLAQVLRELSQTILDVLPVSQAYVLELKSDGTVGLLENNANDQVWKPYEKEAFRAI   477
NTDB id 91 BSU 31690 NP 391047.2             KRFSEKFNYQDSIFKYTQLMRGVTSLQQVFKELKNTILDVLLVSKAYTFEVTPDHKVIFLDKHEVGPDWNFYQEEFENVT   473
consensus                                    !!!!!!!!!!!!*!!*!!!*!  !!! !!  *!! *!!!!!!*!! !!  !* *!* !  !* *   * ! *!  !

logo
NTDB id 173895 AB684 RS17100 WP 026080865.1  TDIGKIVEVDRGFLIKIGERGGTSYVMLCLSVLNTPRLTRDEISWLETLAFYTSVSLENVLKIGELMEHLENVKKEGPNP   557
NTDB id 91 BSU 31690 NP 391047.2             SEIGKIIEVNQGFLMKVGERGGSSYVLLCLSNINTPRLTRDEISWLKTLSFYTSVSMENVLHIEELMEHLKDLKQEGTNP   553
consensus                                    **!!!*!!  !!!*!*!!!!!*!!!*!!!! *!!!!!!!!!!!!! !! !!!!!!*!!!!*! !!!!!!  *! !!*!!
```

```
logo

NTDB id 173895 AB684 RS17100 WP 026080865.1  AWLNKLMFAIEEKQRSDLARDLHDSVLQDMISLKHQSEMFLADFEKD.KVCTNQIRQRLINMNEQMSAVIQTTRETCQEL   636
NTDB id 91 BSU 31690 NP 391047.2             IWLKKLMFAIEEKQRSGLARDLHDSVLQDLISLKRQCELFLGDFKKDDNPCREEVQDKLVQMNEQMSDVISMTRETCHEL   633
consensus                                     !! !!!!!!!!!!!! !!!!!!!!!!!!*!!!!*!*!*!!*!! !!* *!    *  *!**!!!!!! !!  !!!!!*!!

logo

NTDB id 173895 AB684 RS17100 WP 026080865.1  RPQLLYDLGLVKALSKLAAQHQESSSIDKIRLNTERFSKVLDLDTQLNLYRIVQELLSNAVKHSRANEVLIMLVCIKEKV   716
NTDB id 91 BSU 31690 NP 391047.2             RPQLLYDLGLVKALSKLVAQQQERVP.FHIRLNTGRFTASLDLDSQLNLYRIIQEFLSNAVKHSQATDVLIMLISIQNKI   712
consensus                                    !!!!!!!!!!!!!!!!!! !!*!!  ** *!!!!! !!*  !!!!*!!!!!!!*!! !!!!!!!! ! *!!!!!**!  !*

logo

NTDB id 173895 AB684 RS17100 WP 026080865.1  VLHYEDDGIGVDPDKLYQNSASMGLSGIRERVRALNGSLDIQTAEGKGFRVAIEMGL   773
NTDB id 91 BSU 31690 NP 391047.2             VLHYEDDGVGFDQEKNTEHSMSMGLSGIKERVRALDGRLRIETSEGKGFKADIEIEL   769
consensus                                    !!!!!!!!*! !**!    *! !!!!!!!*!!!!!! ! ! ! ! !!!!!*  !!* !
```

X non conserved

X similar

X $\geq$ 50% conserved