```
logo
NTDB id 231419 S101267 RS16380 WP 013353395.1  MRYFIKHLSIALLIFSFFYIAHIIYFTQNGILVGTYVVETSKHEFEVVKITKSSYGRYLNLKEGDKILQINGHMPSSQNI   80
NTDB id 91 BSU 31690 NP 391047.2               MKNLIKKFTIAVIVLSILYISYTTYISMNGIIIGTKIHKNDKSQFMIEEISESSYGQFVGLRQGDIILKINKEKPSDKHL   80
consensus                                      !*  !!* *!!*** !  !! *  ! * !!!**!! **   !* ! *  !* !!!! ** !* !! !! !! * !!  **

logo
NTDB id 231419 S101267 RS16380 WP 013353395.1  KNGYLAKANNLKVERRNHEIQLHGSEDLSLNSSVSFFIYIVPCILFALSLLCIFYIYKVNRIKNIVSAYILICFLIFISI  160
NTDB id 91 BSU 31690 NP 391047.2               KWGYLSHINSLDILRSGKKIHLKDFDLVTLNRPYSFFLFVLPLFFYFLSIICIFYILKVNKKRRSFAAYILILLLLDISI  160
consensus                                      ! !!! * ! ! * !  * !*!*  * **!! * !!!****!*  * !!**!!!!! !!!* * *  !!!!!* !* !!!

logo
NTDB id 231419 S101267 RS16380 WP 013353395.1  AYLSAGGVTRGYEINRYVNLFTFLNVPVLYLHFLYQYFKELKIKFSAKSIVYILYCLPVLNIVTELFRY..RYDLYFVRD  238
NTDB id 91 BSU 31690 NP 391047.2               AYISAGGPFRGHIINRYINLFTFISSPILYLQFIQRYLGEIGKTFLNR..ISFLYIIPIFNLGIEFFQDYLQVDIDFLAT  238
consensus                                      !!*!!!!* !!* !!!!*!!!!!*  !*!!!*!*  !  !*   !  **** !!**!* !*  ! !  **  !* !*

logo
NTDB id 231419 S101267 RS16380 WP 013353395.1  MNLLSFFIEILIVYMYIVYYAIIYRKRDHAYLLKVLLISNTIAFLPFTVLYLLSEVILGQYIYSAIVTAPFLLIIPLALV  318
NTDB id 91 BSU 31690 NP 391047.2               LNLVSFATLTLFSFSAIYLHLNKYKYAEHSFILKLLILTNTLSFAPFLIFFVLPIIFTGNYIFPALASASLLVLIPFGLV  318
consensus                                      *!!*!!    !  *  !  *   !*  *! **!!*!***!!* ! !! * **!* *  !*!!**!* *!* !**!! *!!

logo
NTDB id 231419 S101267 RS16380 WP 013353395.1  YQFVVNKIYDIDFLLGRIRYYSFLSIVPTIGVVWLSILYESKGNHFNTIQITLYVFLIFLAVFYTKEVLDYKFRLKRFSE  398
NTDB id 91 BSU 31690 NP 391047.2               YQFVANKMFDIEFILGRMRYYALLAMIPTLLIVGALVLFDVMDIQMNPVRQTVFFFVVMFAVFYFKEVMDFKFRLKRFSE  398
consensus                                      !!!! !!**!!*!*!!!*!!!  ! **!!* *!   *!**    * !**  !** !**  !!!! !!!*!*!!!!!!!!!

logo
NTDB id 231419 S101267 RS16380 WP 013353395.1  KYNYQDSIYKYTQLLKSVSALNQVFMNLKKTILDVLPVSKAYIFEISSDGDILYFDKQNIEPNWQPYKKEFDKVTSEIGK  478
NTDB id 91 BSU 31690 NP 391047.2               KFNYQDSIFKYTQLMRGVTSLQQVFKELKNTILDVLLVSKAYTFEVTPDHKVIFLDKHEVGPDWNFYQEEFENVTSEIGK  478
consensus                                      !*!!!!!!*!!!!!** !* !*!!!  !! !!!!!!*!!!!! !!***!* *** !!* * ! !**!  !!* !!!!!!!

logo
NTDB id 231419 S101267 RS16380 WP 013353395.1  IIEVNQGFLMKIGERGANSYILLCLSSINTPRLTRDEISWLKTLSFYTSVSMENILQIEELMNHLQDLKQQGSNPVWLKK  558
NTDB id 91 BSU 31690 NP 391047.2               IIEVNQGFLMKVGERGGSSYVLLCLSNINTPRLTRDEISWLKTLSFYTSVSMENVLHIEELMEHLKDLKQEGTNPIWLKK  558
consensus                                      !!!!!!!!!!!*!!!!* !!*!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!*!*!!!!! !! !!!! !*!!*!!!!
```

```
logo

NTDB id 231419 S101267 RS16380 WP 013353395.1  LMFTIEEKQRSDLARDLHDSVLQDLISLKRQCELFLADFKK.EEPCHIEVQDKLHQMNEQMSDVILMTRETCHELRPQLL   637
NTDB id 91 BSU 31690 NP 391047.2               LMFAIEEKQRSGLARDLHDSVLQDLISLKRQCELFLGDFKKDDNPCREEVQDKLVQMNEQMSDVISMTRETCHELRPQLL   638
consensus                                      !!! !!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!** !!* !!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!

logo

NTDB id 231419 S101267 RS16380 WP 013353395.1  YDLGLVKAVSKLAAQQQERAPFHIRLNTGRFTAALDLDTQLNLYRIIQEFLSNAMKHSQANEVLIMLISIQNKVILHYED   717
NTDB id 91 BSU 31690 NP 391047.2               YDLGLVKALSKLVAQQQERVPFHIRLNTGRFTASLDLDSQLNLYRIIQEFLSNAVKHSQATDVLIMLISIQNKIVLHYED   718
consensus                                      !!!!!!!!!*!!! !!!!!!! !!!!!!!!!!!!!! !!!!!*!!!!!!!!!!!!!!!!!*!!!!! *!!!!!!!!!!!!!**!!!!!

logo

NTDB id 231419 S101267 RS16380 WP 013353395.1  DGVGCNQEEGSGQAMSMGLSGIKERVRALDGRMKIDTSEGNGFKADIEMEL   768
NTDB id 91 BSU 31690 NP 391047.2               DGVGFDQEKNTEHSMSMGLSGIKERVRALDGRLRIETSEGKGFKADIEIEL   769
consensus                                      !!!!* !!   * * !!!!!!!!!!!!!!!!!!!**!*!!!! !!!!!!!*!!
```

X non conserved

X similar

X $\geq$ 50% conserved