```
logo
NTDB id 1426 RS RS05575 WP 011001070.1      MRALLIGFVAGCMALQTRPALAPVWQPALLGLACLLAMALLRRGARLPRLVPVMAVLAAACAGFGWSDWRAQQRLSVVLAPAWEG   85
NTDB id 66328 PST29 RS09030 WP 060842851.1  MGTGLLALAAGLLALGFLPVLPPVWLLLALAVVGLMLLPFR........T....HPVAFFLFGFAWACVSGHWALNDRLAPGLEG   73
NTDB id 1199 PSJM300 12650 AFN78592.1       MRAGMLALAAGLLLLRFLPQLPSFGWLLALAPVGLLLLPFR........W....RPLAFFLFGLVWACLNAQWALDDRLPVDLDG   73
consensus                                   !********!!***! **! !**** ***!****!******             **!****!**!*** ****! **!******!

logo
NTDB id 1426 RS RS05575 WP 011001070.1      KDIRATGVVAELPEVTEDATRFLFRIESSDAGDAVPPRVRLSWYGLRSWHERQREAEAATDRRAGIPDLQPGQRWQLTLRLKRPH  170
NTDB id 66328 PST29 RS09030 WP 060842851.1  QTRWLEGQVSGLPEQGQGVVRFELQGAQ.ARRERLPRRIRLAWHD....................APPLHSGERWRLAVTLRRPA  137
NTDB id 1199 PSJM300 12650 AFN78592.1       RTFWLEGQVTGLPDRRGDVVRFELEDIH.SRHAGLPSRIRLAWYG....................GPEIRSGERWRLAARLKRPS  137
consensus                                   ** ***!*!**!!*   ***!!**      * ***! !*!!*!**                  *!** *!*!!*!***!*!!

logo
NTDB id 1426 RS RS05575 WP 011001070.1      SLMNPGGFDGEYAMLADDVRAAGYVYTGKRARNALMGEADAGSGVGLRVERWRAAVRRHLLAALPEARYAPVIVALVVGDQSGIA  255
NTDB id 66328 PST29 RS09030 WP 060842851.1  GLLNVQGFDHQAWLLARRIGATGTVKAGQLLRP.............ARLAWREGLRQHLLGVEAQGR.GAGLAALVMGDGSGLT  207
NTDB id 1199 PSJM300 12650 AFN78592.1       GMVNPSAFDYEAWLLARRIGATGTIKAGERIAEAA............SSGAWRDRLRQRLLTVEAHGR.AGAIAALVVGDGSGLS  209
consensus                                   ***!* *!! ****!!****!*!****! *** *                *!!***!**!!**** *! *****!!!*!!*!!**

logo
NTDB id 1426 RS RS05575 WP 011001070.1      QADWERFRRTGISHLVSISGLHITMIAGLFGALWMALWRRSFGLARWLRTPLPLRMPAQRAGAVAAMAAAFAYCLLAGMGVPAQR  340
NTDB id 66328 PST29 RS09030 WP 060842851.1  RQDWQVLQDTGTVHLMVISGQHISLLAGVIYLG.......VAGLARWGIWP..ERRPWLPWACALAFLGALGYGLLAGFDVPVQR  283
NTDB id 1199 PSJM300 12650 AFN78592.1       TADWRVLQDTGTVHLMVISGQHVGMLAGLLYAV.......VLLLARWGIWP..QRLPWLPWACGLAFAGALGYGWLAGFEVPVRR  285
consensus                                    *!! ****!!**!!**!!!*!****!!*****       * *!!!!***!   !*!*******!***!**!**!!!**!!**!

logo
NTDB id 1426 RS RS05575 WP 011001070.1      TLLMLATVAVARLADRSVPVSLSLCWAAALVALVDPWAVMSAGGWLSFGAVAVIFLAARIVAADARDDVRRPAWPVRAWRGLRGA  425
NTDB id 66328 PST29 RS09030 WP 060842851.1  ACVMVALVLLWRLRFRHLGVWRPWLLALNAVLLFEPLASLQPGFWLSFAAVAILLLTFA.......GRLGRWRW.......WQAW  354
NTDB id 1199 PSJM300 12650 AFN78592.1       ACLMVAIVLLWRLRFRHLGVWLPLLIALVGVLMVDPLASLQPGFWLSFVAVALLIWIFR.......GRLGVPSW.......WRAL  356
consensus                                   ***!*!*!***!!**!***!*****!* *!****!*!****!*!!!!*!!!**** **       ****** !       ***

logo
NTDB id 1426 RS RS05575 WP 011001070.1      ARVQLAVTFGLLPLTLLLFQQVSVVSAVANALAIPVVSFVTTPLALMGTA.LPEPWSQPVLIWAEASFAWLMPWLDALALPGGSV  509
NTDB id 66328 PST29 RS09030 WP 060842851.1  SRAQWLIAIGLLPPLLALGLPISFSGPLANLLAVPWISLLVLPPALLGCLLLPVPHVGEGLLWLAGGLLDGLFRLLGMIAGAWPA  439
NTDB id 1199 PSJM300 12650 AFN78592.1       LYAQWAMALGLLPAMLVLGLPVSLSGPLANLLAVPWISVLVVPLALLGSFLLWVPWLGEALLWLAGGLLAVLFELLALIAGWQPA  441
consensus                                   **!*****!!!! *!*!****!*****!!*!!*!**!***!*!!*!* *!**!*****!*!****** *** !******* **
```

```
logo
NTDB id 1426 RS RS05575 WP 011001070.1      WVAPAAPAWAWGLAVVGVPLLLVPGGYRAWAWRAQGAVLLLPMLLARAPAPPPGEFRMVAFDIGQGAATLVETAGHRLLFDTGPR   594
NTDB id 66328 PST29 RS09030 WP 060842851.1  WVAPLLPWWLWGLSALGALLLLLPSGVP...LRVLGWPLLLLAIWPPEQVLPEGEVEVWQLDVGQGLSMLLRTRDHAMLYDAGAR   521
NTDB id 1199 PSJM300 12650 AFN78592.1       WLASALPLWAWSLVALGTLVLLLPAGVP...LRVLGTLLLAPLLFAPDSRPEQGRAEVWVFDVGQGLSVLVRTRDHALLYDAGPR   523
consensus                                   !*!***! !*!*! **! **!!*!*!**   *!**! *!!********  ** !* *** *!*!!!**!**!**!**!*!*!*!

logo
NTDB id 1426 RS RS05575 WP 011001070.1      QGDLADAADRVIVPYLRGHGVQAIDTLVVSHEDSDHAGGTETVMAGVPVRTMLASLPPGHGLERQARALGIEPAGCVAGQRWAWD   679
NTDB id 66328 PST29 RS09030 WP 060842851.1  VGDF.DLGERVVLPSLRKLGIRQLDLMLLSHADNDHAGGALAVWRGIDVARVRSGEPGA.......LPDALQAQPCESGLGWQWN   598
NTDB id 1199 PSJM300 12650 AFN78592.1       YGDF.DIGERVVFPSLRQLGLERLDLMMLSHADSDHAGGALAIQRAMPVGAVLSGEPER.......LPAALDARSCRTGQRWTWN   600
consensus                                    !!* !***!!**!*!! *!*  *!***!!*!*!!!!!**** *****!* *****! *        ** ****  ! *!**! !*

logo
NTDB id 1426 RS RS05575 WP 011001070.1      GVAFELLYPVQVPSDRAAVSSNARSCVLRIANARYAAMLAGDIGRAQEAALIAAEAPERLMADILLVPHHGSRTSSSGAFLDAVS   764
NTDB id 66328 PST29 RS09030 WP 060842851.1  GVRFRLWQWP......AAADGNQASCVLQVEARGERLLLTGDIDVHAERALLAS..PLAVHTHWLQAPHHGSRTSSSMALLQRLR   675
NTDB id 1199 PSJM300 12650 AFN78592.1       QVNFSVWRWP......QATNGNQASCVLMVEAAGERLLLTGDIDAQAERALVDG..GMEVNARWLLAPHHGSNSSSSAVFLAAVA   677
consensus                                   *! ! ** **      *!  *!**!!!! *********!*!!!*  *!*!!***  ** * * *!**!!!!!**!!!***! **

logo
NTDB id 1426 RS RS05575 WP 011001070.1      AQVAVFQVGYRNRYGHPHPQVWQRYGARGIERLRTDATGAVVIETRGDALAVRTARSMRPRYWSSALEVAALAETTEPTGAQP   847
NTDB id 66328 PST29 RS09030 WP 060842851.1  PTAVLISRGRGNAFGHPHAEVLARYRRLGVAVHDSADQGALKLRLG..TFGPVQSLRAQRRFWRD..................   738
NTDB id 1199 PSJM300 12650 AFN78592.1       ADGALISRSSHNAFGHPHPAVLKRLQNAGAELHDTAEHGALSLQLG..AFGGARRMRDEPRFWREK................   741
consensus                                   * *******  !**!!!!* !* !*   !******** !!* * **  ***    **  *!*!**
```

X non conserved

X similar

X ≥ 50% conserved