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logo
NTDB id 1426 RS RS05575 WP 011001070.1     MRALLIGFVAGCMALQTRPALAPVWQPALLGLACLLAMALLRRGARLPRLVPVMAVLAAACAGFGWSDWRAQQRLSVVLA   80
NTDB id 334335 EPZ47 RS20610 WP 135846485.1 MRTGLVAFALGLLAPVFLPALPPFWLIATMPVLGLMVLPFR........TY....PLGFFLFGLAWACLSAQLALADRLP   68
NTDB id 1199 PSJM300 12650 AFN78592.1      MRAGMLALAAAGLLLLRFLPQLPSFGWLLALAPVGLLLLPFR........WR....PLAFFLFGLVWACLNAQWALDDRLP   68
consensus                                  !!*********!**** **!*!**** ** *****!******             *!*****!**!*** !! *! **!*

logo
NTDB id 1426 RS RS05575 WP 011001070.1     PAWEGKDIRATGVVAELPEVTEDATRFLFRIESSDAGDAVPPRVRLSWYGLRSWHERQREAEAATDRRAGIPDLQPGQRW  160
NTDB id 334335 EPZ47 RS20610 WP 135846485.1 AVLDGETRWVEGRVVGLPQHSEDVVRFELADAR.SRRTRLPASMRLAWFG....................GPPVSSGERW  127
NTDB id 1199 PSJM300 12650 AFN78592.1      VDLDGRTFWLEGQVTGLPDRRGDVVRFELEDIH.SRHAGLPSRIRLAWYG....................GPEIRSGERW  127
consensus                                    **!** ***! ! *!!* **!**!!** *   **  **! **!!*!*!                    *!** *!*!!

logo
NTDB id 1426 RS RS05575 WP 011001070.1     QLTLRLKRPHSLMNPGGFDGEYAMLADDVRAAGYVYTGKRARNALMGEADAGSGVGLRVERWRAAVRRHLLAALPEARYA  240
NTDB id 334335 EPZ47 RS20610 WP 135846485.1 RLAVKLKRPAGLLNPHGFDYEAWLLSRGIGATGTVKDGLRLQ..A............AQGAWRDGVRQALAQVDA.HGRS  192
NTDB id 1199 PSJM300 12650 AFN78592.1      RLAARLKRPSGMVNPSAFDYEAWLLARRIGATGTIKAGERIAEAA............SSGAWRDRLRQRLLTVEA.HGRA  194
consensus                                  *!**!!!! **!! *!!*!***!** **!*!*** ! !*  **              **!!***!* !* *** ****

logo
NTDB id 1426 RS RS05575 WP 011001070.1     PVIVALVVGDQSGIAQADWERFRRTGISHLVSISGLHITMIAGLFGALWMALWRRSFGLARWLRTPLPLRMPAQRAGAVA  320
NTDB id 334335 EPZ47 RS20610 WP 135846485.1 GALAALVLGDGSGLSREDWQVLQDTGTVHLLVISGQHIGLLAGLVYLLVA.......GAARYGLW..PVGLPWLPWACAL  263
NTDB id 1199 PSJM300 12650 AFN78592.1      GAIAALVVGDGSGLSTADWRVLQDTGTVHLMVISGQHVGMLAGLLYAVVL.......LLARWGIW..PQRLPWLPWACGL  265
consensus                                  ****!!!*!!*!!** *!! ****!!**!!**!!!*!****!!!******       **!!****  !***!*******

logo
NTDB id 1426 RS RS05575 WP 011001070.1     AMAAAFAYCLLAGMGVPAQRTLLMLATVAVARLADRSVPVSLSLCWAAALVALVDPWAVMSAGGWLSFGAVAVIFLAARI  400
NTDB id 334335 EPZ47 RS20610 WP 135846485.1 AFAAALGYGLLAGFEVPVRRACAMIGLVLLWRLRFKHPDPWWAWLLAFVGVLVFDPLASLRPGFWLSFAAVAILMFTFGA  343
NTDB id 1199 PSJM300 12650 AFAGALGYGWLAGFEVPVRRACLMVAIVLLWRLRFRHLGVWLPLLIALVGVLMVDPLASLQPGFWLSFVAVALLIWIFRG  345
consensus                                  !*!*!**!**!!!**!!**!***!***!***!!****** *** ***! **!***!!*!** *!*!!!!*!!!**** ***

logo
NTDB id 1426 RS RS05575 WP 011001070.1     VAADARDDVRRPAWPVRAWRGLRGAARVQLAVTFGLLPLTLLLFQQVSVVSAVANALAIPVVSFVTTPLALMGTA.LPEP  479
NTDB id 334335 EPZ47 RS20610 WP 135846485.1 R.......L.......GPWRWWQTWTRAQWLVALGLCPLLVILGLPVSLSGPLVNLLAVPWISLLVLPPALLGTALLPVP  409
NTDB id 1199 PSJM300 12650 AFN78592.1      R.......L.......GVPSWWRALLYAQWAMALGLLPAMLVLGLPVSLSGPLANLLAVPWISVLVVPLALLGSFLLWVP  411
consensus                                  *        *        * ******  **!*****!!*!***!***!!******!*!!*!**!***!*!!*!***!**!
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logo
NTDB id 1426 RS RS05575 WP 011001070.1      WSQPVLIWAEASF.AWLMPWLDALALPGGSVWVAPAAPAWAWGLAVVGVPLLLVPGGYRAWAWRAQGAVLLLPMLLARAP   558
NTDB id 334335 EPZ47 RS20610 WP 135846485.1 LLGEGLLWIAGGLLDWLFKG.LALVAGRMPAWVPVSIPLWAWCIAALGAFLLLLPKGVP...LRVLGWPMLLLMVFPPRE   485
NTDB id 1199 PSJM300 12650 AFN78592.1       WLGEALLWLAGGLLAVLFEL.LALIAGWQPAWLASALPLWAWSLVALGTLVLLLPAGVP...LRVLGTLLLAPLLFAPDS   487
consensus                                   ****!*!*********!*   *!!***  **!** **!*!!! ****!  *!!*!*!**   *!**! **!*******

logo
NTDB id 1426 RS RS05575 WP 011001070.1      APPPGEFRMVAFDIGQGAATLVETAGHRLLFDTGPRQGDLADAADRVIVPYLRGHGVQAIDTLVVSHEDSDHAGGTETVM   638
NTDB id 334335 EPZ47 RS20610 WP 135846485.1 SVPQGHAEIWHLDVGQGLAVLVRTRRHSLLYDAGPRFGEA.DAGERVVLPTLRKLGVQALDLMLLSHADADHAGGARAVR   564
NTDB id 1199 PSJM300 12650 AFN78592.1       RPEQGRAEVWVFDVGQGLSVLVRTRDHALLYDAGPRYGDF.DIGERVVFPSLRQLGLERLDLMMLSHADSDHAGGALAIQ   566
consensus                                    ***! **** *!*!!!***!!*!* ! !!*!*!!!*!*  !***!!**!*!! *!****!****!!*!*!!!!!* **

logo
NTDB id 1426 RS RS05575 WP 011001070.1      AGVPVRTMLASLPPGHGLERQARALGIEPAGCVAGQRWAWDGVAFEILYPVQVPSDRAAVSSNARSCVLRIANARYAAML   718
NTDB id 334335 EPZ47 RS20610 WP 135846485.1 SGLPTRRVISGDPAALP.......DELQAGACDSGEGWEWDGVRFQLWQW......SAARESNQKSCVLLVEAGGERLLL   631
NTDB id 1199 PSJM300 12650 AFN78592.1       RAMPVGAVLSGEPERLP.......AALDARSCRTGQRWTWNQVNFSVWRW......PQATNGNQASCVLMVEAAGERLLL   633
consensus                                    **!** ****** ***        ******! *!**! !**! ! ** *       *!  *!**!!!!**********!

logo
NTDB id 1426 RS RS05575 WP 011001070.1      AGDIGRAQEAALIAAEAPERLMADILLVPHHGSRTSSSGAFLDAVSAQVAVFQVGYRNRYGHPHPQVWQRYGARGIERLR   798
NTDB id 334335 EPZ47 RS20610 WP 135846485.1 TGDIDSHAEQALLDG..PLAAPSQWLAAPHHGSRSSSSMALLARLNPHSVLISRGQGNAFGHPHPRVIARYRRLGLAIYD   709
NTDB id 1199 PSJM300 12650 AFN78592.1       TGDIDAQAERALVDG..GMEVNARWLLAPHHGSNSSSSAVFLAAVAADGALISRSSHNAFGHPHPAVLKRLQNAGAELHD   711
consensus                                   *!!!*  *! !!***  ** * * *!**!!!!!**!!!***!*** *  ******  !**!!!!! !* !*   !*** *

logo
NTDB id 1426 RS RS05575 WP 011001070.1      TDATGAVVIETRGDALAVRTARSMRPRYWSSALEVAALAETTEPTGAQP   847
NTDB id 334335 EPZ47 RS20610 WP 135846485.1 SAEQGAIRLQLGA..FEPPFTQARQRRYWRDPPPVGPQAKH........   748
NTDB id 1199 PSJM300 12650 AFN78592.1       TAEHGALSLQLGA..FGGARRMRDEPRFWREK................   741
consensus                                   *** !!* *****  **         *!*!**   **  *
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X non conserved

X similar

X ≥ 50% conserved