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logo
NTDB id 408827 GPY12 RS09955 WP 199250761.1   MTLLSNYWSLISFSITVLSAPYWPWMPTWGWAWFCLILTGLLGYHRTSRKFLGFALAILTIVLHGNLMRDQSNTLYQAGP   80
NTDB id 1149 A1552VC RS08405 WP 000173776.1   MTLLSNYWSLISFSITVLSAPYWPWMPSWGWAWLCLIVMVLLGYHRVGRQFLGFVAAILTIVLQGNLIRDQSNVLYQAGP   80
NTDB id 1396 DSB67 RS04755 WP 010649088.1     MTLLEKSLTLALFVASVISSAWWPTMPDWRWLLLGIIATGSIIKLRRGLLSIGVIWGFMVVIIHGNVMEHQRQALFRAGG   80
NTDB id 1295 VP RS04795 WP 005481856.1        MTLLEKSWTLALFVASVISSAWWPTMPDWRWLLLGIITTGSIIKLRRGLISIGVIVGFMVVIVHGNIMEYQRQALFQAGE   80
consensus                                     !!!!   **!  !  *!*! **!! !!*! !  ***!*** *  *!** * *! *** * ****!!** *! **!**!!*

logo
NTDB id 408827 GPY12 RS09955 WP 199250761.1   DIIIKGKVDSFFAKTRYAYEGLVLIHEVNGQTLNSLMRPRIRLVAPIPLQPNDQFEFSVTLKPVVGRLNETGFDLEAHYM   160
NTDB id 1149 A1552VC RS08405 WP 000173776.1   DIIIKGRVDSFFTQTRYAYEGFVLIHEVNGQTLNKMTRPRIRLSAPLLLQPNDRVEFSVTLKPIVGRLNQTGFDLEAHYM   160
NTDB id 1396 DSB67 RS04755 WP 010649088.1     NITINGKVDSPFTQISHGYEGIAQINQVNSQNLLPFLKPKIRLITAFPLPVNSEFTTQVTIKPILGLKNEAGFDAEKQAV   160
NTDB id 1295 VP RS04795 WP 005481856.1        NSTIIGRVDSSFTQISHGYEGVVAIKQVNSHTLLPFLKPKVRLITPFPLAVNSEFTTNVLIKPIIGLRNEAGFDAEKQSM   160
consensus                                      * !*!*!!!*!**  **!!!***!* !! **! ****!**!!* ***!**! **  *!**!!**! *!* !!! ! ***

logo
NTDB id 408827 GPY12 RS09955 WP 199250761.1   AHSLVARASVKPNTAYQIVQQSGLRSSLLFQLDALTHTSPFQGLIRALTFGERSGIDEQEWQVLRNSGLIHLVAISGLHI   240
NTDB id 1149 A1552VC RS08405 WP 000173776.1   AQSVVARAVVKPDTAYQIVQESGIRSSLFFELEQLTHTSPYQGLILALTFGERKGIDEQEWQALRNSGLIHLVAISGLHI   240
NTDB id 1396 DSB67 RS04755 WP 010649088.1     GKGIVARAVTPDDAKWLIRTYSSFRQQIITAVDTHIAELDHFPLISALAFSDRSLLAKQDWQSLRDSGLLHLVSISGLHI   240
NTDB id 1295 VP RS04795 WP 005481856.1        GSGVVARAVVTKDSYWVIRTSSSWREAIIQTVERDISRLEHFALIKALAFADRTGLTKEDWQSLRDSGLLHLVSISGLHI   240
consensus                                     *  *!!!!*********!   !  !***** ** * ** ** *!!*!! !**!**** **!!*!! !!!*!!! !!!!!!

logo
NTDB id 408827 GPY12 RS09955 WP 199250761.1   GIAFSFGYLLGAGVMRLHAKLLWSPFVFGALLAVLYAWLAGFTIPTQRALIMCLLNVALVILGFPLSALKRILLTLCAVL   320
NTDB id 1149 A1552VC RS08405 WP 000173776.1   GIAFSVGYFLGLGMMRFHAQLLWSPFVCGALLAVLYAWLAGFTLPTQRALIMCLLNVALIMLAFPLSALKRILLTLVAVL   320
NTDB id 1396 DSB67 RS04755 WP 010649088.1     GMAFAFGMSLGFVIRLLFPKFVHLPSAVGLLAALVYAWLADFSLPTTRAFSVCVIYLVLKAALVHWSPWRVLLLAVSIQL   320
NTDB id 1295 VP RS04795 WP 005481856.1        GMALTFGLALGGLIRLAMPRYWFLPSVSGLAFAIVYAWLADFSLPTTRAVSVCIIYIALKYWLVHWSPWRVLLLAVALQL   320
consensus                                     !*!***!* !!***  ******* ! * ! **!**!!!!! !**!! !!* *!** **!****   !* * *!! * * !

logo
NTDB id 408827 GPY12 RS09955 WP 199250761.1   LWSPFASLSNSFWMSFLAVAIVLYQLAS....QGKRKAWWKALLLAQISLVCLMAPVTAYFFGGLSITAVLYNLVFIPWF   396
NTDB id 1149 A1552VC RS08405 WP 000173776.1   LWSPFASLSNSFWMSFLAVAIVLYQLAS....QSQRQVWWKALLWAQVFLVCLMAPVTAYFFGGLSVTAVLYNLVFIPWF   396
NTDB id 1396 DSB67 RS04755 WP 010649088.1     FIEPFASFTMSFWLSYLSVVAVLLAVNVVQQRRGNRQTKLSSLLKIQLVLTLLIVPISGAFFSGTSLVSIAYNLVFIPWF   400
NTDB id 1295 VP RS04795 WP 005481856.1        FFQPFASFSLSFWLSYLSVGAVLFAVNTVQDSKEGRLGKLRILLLTQLILSLLIVPISGYFFSGFSWSSLVYNLVFIPWF   400
consensus                                      **!!!!  **!!!*!*!  !* !!* * ***  ***!**  **!!**!**!**!* !****!! !*!** **!!!!!!!!!

logo
NTDB id 408827 GPY12 RS09955 WP 199250761.1   SVVIVPALFLGLALTVTIPNWAALYWPWVDWAFLPLDWALQFADVGWVVIPQSIQGLITALVVLSLLYRVMSLRACA.LS   475
NTDB id 1149 A1552VC RS08405 WP 000173776.1   SLVIVPALFLGLLLMVVWPSVAAAYWPWVDWTFLPLDWALQFADVGWWVVPSKVQGVVAASVAILLLYRFMSLKACS.LL   475
NTDB id 1396 DSB67 RS04755 WP 010649088.1     GFLVVPLMFLALIVTPISFQLAGMLWQLVDWVLLPLTWSLQFAVGSWHFVSLPLTLTILAVAICGLLRRFLNRGSLVTLV   480
NTDB id 1295 VP RS04795 WP 005481856.1        GFVVVPIMFAALIASLLFPMLATVLWYLLDIFLVPLSWSVRYAIGTWQPISAEWTFVIAVVSAVLVSRHVMPRYVWMFVC   480
consensus                                      ***!!**!**!********!** !* *!*  *!!*! ***!* *! ***  * ************ * ** **** **
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logo

NTDB id 408827 GPY12 RS09955 WP 199250761.1   LSIVGLWWWFPSITPLWRMDVLDVGHGLAIVIEQNDRAIIYDTGSSWSGGSYAQNVIEPILQQRGIRRLDGLILSHLDND   555
NTDB id 1149 A1552VC RS08405 WP 000173776.1   LGMIGLWWWFPSLTPLWRMDVLDVGHGLAIVIEQDERAIVYDTGSSWPGGSYVQSVIEPMLQQRGLRQVDGVILSHLDND   555
NTDB id 1396 DSB67 RS04755 WP 010649088.1     MLVTGVALFYERTTNSWRVDVLDVGHGLAVLIEKHGKVALYDTGKAWNSGSIAQQVISPVLHRRGFGTIDMFIISHADSD   560
NTDB id 1295 VP RS04795 WP 005481856.1        VIVVMTGLFPKQYNQTWRIDVLDVGHGLAVLVEKEGRVLLYDTGKAWQNGSIAEQVITPVLHRRGYSSVDTMILSHADND   560
consensus                                     *******  ********!!*!!!!!!!!!!***!  ***  **!!!!   !**!!  ***!!*!*!*  !!  ***!**!*!!  !*!

logo

NTDB id 408827 GPY12 RS09955 WP 199250761.1   HAGDWQNLAKRWQPSWIRTSQVGVEFVPCIRGESWQWQSLHFDVLWPPQLVSRAYNQHSCVIRMTDAQSNHSVLLSGDVT   635
NTDB id 1149 A1552VC RS08405 WP 000173776.1   HAGDWQGLAERWQPNWIRASQLGTEFMPCIRGESWQWQSLHFTVLWPPQAVSRAYNQHSCVIRMTDTQSNHSVLLSGDVT   635
NTDB id 1396 DSB67 RS04755 WP 010649088.1     HAGGRQYIEQHFSPAQNFSSQNYADYQSCIAGERWYWQALYFEVLWPPKQVNRAYNPHSCVVRVVDKESGFKLLLTGDIE   640
NTDB id 1295 VP RS04795 WP 005481856.1        HAGGRKVIEQYFSPKHKLSSQSFLHYQPCIAAEKWKWQGLNMEVLWPPKPVVRAYNPHSCVISLEDPSTGFKMLFTGDIE   640
consensus                                     !!!   *  *  ***  !  ****!!*******!!  *!*!*!!*!***!!!!!   !*!!!!*!!!!****!  **  *  *!**!!*

logo

NTDB id 408827 GPY12 RS09955 WP 199250761.1   AMGEWLLARDGALLQSDVMIVPHHGSKTSSTAEFITKVEPRLAIASLAKDNRWNLPNPQVVERYQNQQAQWLDTGQKGQI   715
NTDB id 1149 A1552VC RS08405 WP 000173776.1   AMGEWLLARDGAQLQSEVMIVPHHGSKTSSTAEFIAQVNPKLAIASVAKDNRWNLPNPQVVARYQAQQVEWLDTGHAGQI   715
NTDB id 1396 DSB67 RS04755 WP 010649088.1     AVSEWILMREPNKLESDVMLVPHHGSKSSSNPKFVQIVSPTLAIASLAKSNQWGMPAENVLSAYQEANAYWLDTGSHGQV   720
NTDB id 1295 VP RS04795 WP 005481856.1        AISEWILLREPEKLRSDVMLVPHHGSKSSSNPKFINVVEPSLAIASTAKLNQWGMPAPEVVQAYTDSGVSWLDTGSDGQI   720
consensus                                     !*  !!*!*!****!*!*!!*!!!!!!!!*!!  *  !***!*!  !!!!!*!!*!  !  *!  **!*   !****   !!!!!*  !!*

logo

NTDB id 408827 GPY12 RS09955 WP 199250761.1   SLFFYQEQMGWFAQRGLGWEPWYRHMLRKGVE   747
NTDB id 1149 A1552VC RS08405 WP 000173776.1   SLFFYLDQLDWFTQRSLGWQPWYRQMLRKGVE   747
NTDB id 1396 DSB67 RS04755 WP 010649088.1     SVFIERDNWYFEAKRSETFEPWYRQMLRKRVE   752
NTDB id 1295 VP RS04795 WP 005481856.1        TILLDGNNWRFESKRRETIEPWYRQMLRNRVE   752
consensus                                     *****  ***  *  *  !*   **!!!!*!!!!*  !!
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X non conserved

X similar

X $\geq$ 50% conserved