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logo
NTDB id 1090382 ACJQW4 RS00235 WP 241627639.1  MMQYALLAWILGMTGMGEVWSLT.SATCVTFAVLWIINQILALKLPNFK.PQFVRFLSISFLCLFSFNLAYLYADHALTE   78
NTDB id 1015 ACIAD RS12005 WP 004928865.1      MFKIILLGWIAGIAMMGRTLECIEPFTCITGILTFLIWAIYFYKKRKHQIGSGLRALVILISASFLFGIGAQYADSALEE   80
NTDB id 1070 ABD1 RS13145 WP 000472713.1       MFKIILLGWIGGIALMGIDFPLIMQYEKVGEALLLLAFIFYLYKRPMFVDRPFLKAVFCLLCTTSLFMVGYHYAEKALIE   80
NTDB id 1083 HON27 RS04190 WP 168726476.1      MFKIILLGWIGGIALMGIDFPLIMQYEKVGEALLLLAFIFYLYKRPMFVDRPFLKAVFCLLCTTSLFMVGYHYAEKALIE   80
consensus                                      !****!!*!!*!***!!********* ** ****** ** ***!******************** *!*****!!**!!*!

logo
NTDB id 1090382 ACJQW4 RS00235 WP 241627639.1  RMALRELTSKSAEVIVHVKNLNVIQSNHIQQQVMVLDYRKQPVKWLAYIQPSS......KTPLELGQYYRLRGKILPAHS  152
NTDB id 1015 ACIAD RS12005 WP 004928865.1      RLYYKIMHSDTHEVIIYVHQMGESSDKGIKQVAEVLNIHPDVVNWVFYIDQSLLGA.EKSSSLELGQYYRITAKTKPIHS  159
NTDB id 1070 ABD1 RS13145 WP 000472713.1       RLEQRETDTRNLDIIVYINRLSEEKDNKVQQTAQVLNLSKEPVNWLLYLKSNNQNLLKNNQNLELGHYYRISGKTRPAHS  160
NTDB id 1083 HON27 RS04190 WP 168726476.1      RLEQRETDTRNLDIIVYINRLSEEKDNKVQQTAQVLNLSKEPVNWLLYLKSNNQNLLKNNQNLELGHYYRISGKTRPAHS  160
consensus                                      !*************!**************!***!!******!*!**!*** **********!!!!*!!!***!**!*!!

logo
NTDB id 1090382 ACJQW4 RS00235 WP 241627639.1  YAIEGAFDQEKWFLQQNIMSAFQVQEIERLSEQQLYAVGQMSYLRQQQSSTAKFLLAIERQRLSLRNTLRDQSLHNTGLL  232
NTDB id 1015 ACIAD RS12005 WP 004928865.1      YALEGAFDVEKWFVQQNWQATAQVYRIQTLSKQEVMSAGFYLHVKQQQTWRAQFLQSVEKLRLKFRNYFIDSSLSHHALL  239
NTDB id 1070 ABD1 RS13145 WP 000472713.1       YATPGAFDQEKWFIQRNIMSGFNVRYIEPLSLDEIYRLGYQQHLKEQQSFSNSFRLNIEKLRLTFRQILNSSSLQQKGLI  240
NTDB id 1083 HON27 RS04190 WP 168726476.1      YATPGSFDQEKWFIQRNIMSGFNVRYIEPLSLDEIYRLGYQQHLKEQQSFSSSFRLNIEKLRLTFRQILNSSSLQQKGLI  240
consensus                                      !!**!*!!*!!!!*! !******!**!**!!* *****!****** !!******! ***!**!!**!**** *!!****!*

logo
NTDB id 1090382 ACJQW4 RS00235 WP 241627639.1  LALLTGDQSLLSPDVEDLFKRMGLSHLLAISGPHVLIFAALLCWSLHRLIIRFNPTWYLHYPKPYLLVLPFCMGVLLYSA  312
NTDB id 1015 ACIAD RS12005 WP 004928865.1      LALLTGDRSLLNPELEQQFQRFGISHLLAISGPHVLIFAAMVSWIFTRLIHRFKPEIYLSIPRQKLVLLPFLMCVILYCA  319
NTDB id 1070 ABD1 RS13145 WP 000472713.1       LALLTGDESLLSDETQLQFKQLGISHLLAISGPHVLIFAIMLSWAYHQFISRYYPQIYLWKPKQVLIAVPCCLGVLIYTA  320
NTDB id 1083 HON27 RS04190 WP 168726476.1      LALLTGDESLLSDETQLQFKQLGISHLLAISGPHVFIFAIMLSWACHQFISRYYPKIYLWKPKQILMAVPCCLGVLIYTA  320
consensus                                      !!!!!!!*!!!**** **!* *!*!!!!!!!!!!!*!!! ***!*** *!*!**! *!!**!**!***!****!**!*!

logo
NTDB id 1090382 ACJQW4 RS00235 WP 241627639.1  FVGFEIPALRTLFTSLITVLILCKFKLQPVQILLFSAAILLFFDPFSILSAAFWLSYGACLVLLRIYQTLQQQPTQVAE  392
NTDB id 1015 ACIAD RS12005 WP 004928865.1      FVGFEIPALRTLFTVMLGSILLLIRHHLSAFSLLVLSASLLLWMDPFSILSAAFWLSYGACFILIRIYQDMTQAQQFHQT  399
NTDB id 1070 ABD1 RS13145 WP 000472713.1       FVGFEIPALRTFLSVLIFIGFLLLKQPIKPFTLLVYSASLLLLMDPFSVLSAGFWLSYGACFILLRIYQTIAQLPEQHFL  400
NTDB id 1083 HON27 RS04190 WP 168726476.1      FVGFEIPALRTLLSTLIFIGFLLLKQPIKPFTLLVYSASLLLLMDPFSVLSAGFWLSYGACFILIRIYQTIAQLPEQHFL  400
consensus                                      !!!!!!!!!!!* ******* *!*********!**!!**!!**!!!!*!!!*!!!!!!!!!**!*!!!!***!*******

logo
NTDB id 1090382 ACJQW4 RS00235 WP 241627639.1  TRLRQLKSYVVLLFESQWKIFIALLPLMLIFFQQVVWIAPFSNIVALPWLSILVVPLSIIATLCLWIFKPLGLLLFQLND  472
NTDB id 1015 ACIAD RS12005 WP 004928865.1      RFTRGM.QILKALVRSQWKIFVALMPLTLIIFKQISWIAPLSNLIAIPILGGIIVPLDIMAGCLWLFIPSLGNLLFYLNN  478
NTDB id 1070 ABD1 RS13145 WP 000472713.1       SLSSKMIFMSKVLIESQGKIFIALSPLTLLFFQQISWVAPLTNIIAVPIVGSVIVPLNIMAACAWFVIKPFGNMLFHFND  480
NTDB id 1083 HON27 RS04190 WP 168726476.1      SLSSKMIFMSKVLIESQGKIFIALSPLTLLFFQRISWVAPLTNIIAVPIVGSVIVPLNIIAACAWFVVKPFGNMLFHFND  480
consensus                                      *** ********!**!! !!!*!!*!!*!**!****!*!!**!**!*!******!!!*!*!********* !**!!* !*
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logo
NTDB id 1090382 ACJQW4 RS00235 WP 241627639.1  FSLSLLLSILNGADQIVGSTVQSVAMSWAVMFGLILGLCILFLPRGVVPKSWVVVCVLPIFIFDESKQSFELQILDVGQG   552
NTDB id 1015 ACIAD RS12005 WP 004928865.1      SLLELFIGILKGLDHLFNPQLQYYAFTPLLLICLTLAIVILFLPKGVVPKFWSVLCFVPLLIPSKMIRPTQISILDVGQG   558
NTDB id 1070 ABD1 RS13145 WP 000472713.1       MLLSILLSCLGLLE.KLSLTLQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVIMNKTSQQIQLNILDVGQG   559
NTDB id 1083 HON27 RS04190 WP 168726476.1      MLLSILLSCLGLLE.KLSLPLQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVMMNKTSQQIQLNILDVGQG   559
consensus                                      **!******!* ** ******!** *************!!!!!*!**!!*!***!**!**************!!!!!!!

logo
NTDB id 1090382 ACJQW4 RS00235 WP 241627639.1  QAIYLQKQDQQMMIDMGGNYDEQKFSVGQQIIRPFLNSKGVSHLDQLILTHLDQDHSGAYYSLRSILPIQTIYSNEKVEV   632
NTDB id 1015 ACIAD RS12005 WP 004928865.1      QSIFIQDQTQRILLDTGGYYDESKFSIGKQVVVPFLKSQGVHQLDRVILTHLDQDHSGGLPAVLQLIPTRMIQANEE.IK   637
NTDB id 1070 ABD1 RS13145 WP 000472713.1       QAIFLQHPEQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPLIQQEIPVKQLISNEQLPN   639
NTDB id 1083 HON27 RS04190 WP 168726476.1      QAIFLQHPQQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPIIQQEIPVKQLISNEQLPN   639
consensus                                      !*!**!***!****!*!!*!!!* !!*!*****!!!* *!!**!!***!*!!!!!!!!*****!******!******!!****

logo
NTDB id 1090382 ACJQW4 RS00235 WP 241627639.1  MPESQFHYCHAGQLWEMEGVKIQVLSPRKEQLAEVSNHQNELSCVLYIQVEHAQPYANFLIMGDAGWETEYQILKAYSDL   712
NTDB id 1015 ACIAD RS12005 WP 004928865.1      DLSIPFSLCHSGQTWETSELKIQILSPKLENLQSTVFNRNEASCVMYLQLKQASDLKYFLMMGDAGWETEYQLLQQYPDL   717
NTDB id 1070 ABD1 RS13145 WP 000472713.1       DLKQPFQYCHQGQQWHYPELDIQILWPKEKDLAFVTSNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELLKDYPNL   719
NTDB id 1083 HON27 RS04190 WP 168726476.1      DLKQPFQYCHQGQQWHYSELDIQILWPKEKDLAFVASNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELLKDYPNL   719
consensus                                      *****!**!!*!!*!***** !!*! !** *!*****!*** *!!!*!*!*** *****!!*!!!!!!! !! *!**!* !

logo
NTDB id 1090382 ACJQW4 RS00235 WP 241627639.1  KVDVLVLGHHGSKHSSAYDFLKRLKPKIAIASAGFSNRYGHPSILTQQRLNELQIPLYTTIDNGSIQFIQTEDQQIQMQF   792
NTDB id 1015 ACIAD RS12005 WP 004928865.1      KVDVLILGHHGSQHSSSYDFLKRYHPKIAIASAGFENGYGHPSAEVSNRLQDLNIPLLSTTDKGAIHFKF.DSGNEQTEF   796
NTDB id 1070 ABD1 RS13145 WP 000472713.1       KIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTVEQGTLSFVL.ENHKIVLHD   798
NTDB id 1083 HON27 RS04190 WP 168726476.1      KIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTLEQGTLSFVL.ENHKLVLHD   798
consensus                                      !*!!!*!!!!!!*!!!*!!!!  **!!*!!!!!!!!*!*!!!!!*****!!**!*!!!**!***!***!** ***** **

logo
NTDB id 1090382 ACJQW4 RS00235 WP 241627639.1  YRDQQRWLNR..   802
NTDB id 1015 ACIAD RS12005 WP 004928865.1      YRQSYKWLQR..   806
NTDB id 1070 ABD1 RS13145 WP 000472713.1       RRLDRLWLSRGF   810
NTDB id 1083 HON27 RS04190 WP 168726476.1      RRLDRLWLSRGF   810
consensus                                       !****!!*!**
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X non conserved

X similar

X $\geq$ 50% conserved