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logo
NTDB id 1009479 ABJ384 RS09955 WP 349927063.1  MIQIICIGWVLGIAIMGKTLPILQSLLLPCSALFILTLLLKLTVFKQ...AHCLGFKFLQCCIGLSLGIILGYSYADHQL   77
NTDB id 1015 ACIAD RS12005 WP 004928865.1      MFKIILLGWIAGIAMMGRTLECIEPFTCITGILTFLIWA..IYFYKKRKHQIGSGLRALVILISASFLFGIGAQYADSAL   78
NTDB id 1083 HON27 RS04190 WP 168726476.1      MFKIILLGWIGGIALMGIDFPLIMQYEKVGEALLLLAFI..FYLYKRPMFVDRPFLKAVFCLLCTTSLFMVGYHYAEKAL   78
NTDB id 1070 ABD1 RS13145 WP 000472713.1       MFKIILLGWIGGIALMGIDFPLIMQYEKVGEALLLLAFI..FYLYKRPMFVDRPFLKAVFCLLCTTSLFMVGYHYAEKAL   78
consensus                                      !**!!**!!**!!!*!!*  ************!**!***  ****!******** ****************!**!!***!

logo
NTDB id 1009479 ABJ384 RS09955 WP 349927063.1  NERLQIREQQSEQVEVIVYIKHINELGDQTIQQKIQVLNRHTAVVQWQAFLKNEMHS..GSKSVLELGQYYRLQGQILPA  155
NTDB id 1015 ACIAD RS12005 WP 004928865.1      EERLYYKIMHSDTHEVIIYVHQMGESSDKGIKQVAEVLNIHPDVVNWVFYIDQSLLGA.EKSSSLELGQYYRITAKTKPI  157
NTDB id 1083 HON27 RS04190 WP 168726476.1      IERLEQRETDTRNLDIIVYINRLSEEKDNKVQQTAQVLNLSKEPVNWLLYLKSNNQNLLKNNQNLELGHYYRISGKTRPA  158
NTDB id 1070 ABD1 RS13145 WP 000472713.1       IERLEQRETDTRNLDIIVYINRLSEEKDNKVQQTAQVLNLSKEPVNWLLYLKSNNQNLLKNNQNLELGHYYRISGKTRPA  158
consensus                                      *!!!************!*!*****!**!****!***!!!*****!*!*************** *!!!!*!!!******!*

logo
NTDB id 1009479 ABJ384 RS09955 WP 349927063.1  HSYATPGAFDQEKWFIQRNIMSGFNVRYIEPLSLQEYYRLGYQQHLKEQQSFSSSFRLNYEKLRLTFRQILNSSSLQQKG  235
NTDB id 1015 ACIAD RS12005 WP 004928865.1      HSYALEGAFDVEKWFVQQNWQATAQVYRIQTLSKQEVMSAGFYLHVKQQQTWRAQFLQSVEKLRLKFRNYFIDSSLSHHA  237
NTDB id 1083 HON27 RS04190 WP 168726476.1      HSYATPGSFDQEKWFIQRNIMSGFNVRYIEPLSLDEIYRLGYQQHLKEQQSFSSSFRLNIEKLRLTFRQILNSSSLQQKG  238
NTDB id 1070 ABD1 RS13145 WP 000472713.1       HSYATPGAFDQEKWFIQRNIMSGFNVRYIEPLSLDEIYRLGYQQHLKEQQSFSNSFRLNIEKLRLTFRQILNSSSLQQKG  238
consensus                                      !!!!**!*!!*!*!**! !******!**!**!** !****!*****! !***** *****!**!!**!************

logo
NTDB id 1009479 ABJ384 RS09955 WP 349927063.1  LMLALLTGDKSLLDTETEQLFQRFGMSHLLAISGPHVLIFAVLLCWGLHQLIRHDRPQLYLKWPKQYLLIWPFCASVVLY  315
NTDB id 1015 ACIAD RS12005 WP 004928865.1      LILALLTGDRSLLNPELEQQFQRFGISHLLAISGPHVLIFAAMVSWIFTRLIHRFKPEIYLSIPRQKLVLLPFLMCVILY  317
NTDB id 1083 HON27 RS04190 WP 168726476.1      LILALLTGDESLLSDETQLQFKQLGISHLLAISGPHVFIFAIMLSWACHQFISRYYPKIYLWKPKQILMAVPCCLGVLIY  318
NTDB id 1070 ABD1 RS13145 WP 000472713.1       LILALLTGDESLLSDETQLQFKQLGISHLLAISGPHVLIFAIMLSWAYHQFISRYYPQIYLWKPKQVLIAVPCCLGVLIY  318
consensus                                      !*!!!!!!!*!!!**!*  *!   !*!!!!!!!!!!!*!!!****!**** !****!**!!**!*!*!***!****!**!

logo
NTDB id 1009479 ABJ384 RS09955 WP 349927063.1  CAFVGFEIPALRTLLSCLLISAFILFKQKVRPFNILLSSASILLIFDPFSILSAAFWLSYGACFVLLRIYQTVQQRRGMD  395
NTDB id 1015 ACIAD RS12005 WP 004928865.1      CAFVGFEIPALRTLFTVMLGSILLLIRHHLSAFSLLVLSASLLLWMDPFSILSAAFWLSYGACFILIRIYQDMTQAQQFH  397
NTDB id 1083 HON27 RS04190 WP 168726476.1      TAFVGFEIPALRTLLSTLIFIGFLLLKQPIKPFTLLVYSASLLLLMDPFSVLSAGFWLSYGACFILIRIYQTIAQLPEQH  398
NTDB id 1070 ABD1 RS13145 WP 000472713.1       TAFVGFEIPALRTFLSVLIFIGFLLLKQPIKPFTLLVYSASLLLLMDPFSVLSAGFWLSYGACFILLRIYQTIAQLPEQH  398
consensus                                      *!!!!!!!!!!!!!******* ***!******!**!**!!!*!!**!!!!*!!!*!!!!!!!!!*!*!!!!***!*****

logo
NTDB id 1009479 ABJ384 RS09955 WP 349927063.1  ELKTRTQYITMQLKLLIESQWKIFLALFPLMMLFFKQIAWITPLSNLFAIPWIGLVIVPLDVIAALCYFIAEPLGSLVFQ  475
NTDB id 1015 ACIAD RS12005 WP 004928865.1      QTRFTRGM..QILKALVRSQWKIFVALMPLTLIIFKQISWIAPLSNLIAIPILGGIIVPLDIMAGCLWLFIPSLGNLLFY  475
NTDB id 1083 HON27 RS04190 WP 168726476.1      FLSLSSKM.IFMSKVLIESQGKIFIALSPLTLLFFQRISWVAPLTNIIAVPIVGSVIVPLNIIAACAWFVVKPFGNMLFH  477
NTDB id 1070 ABD1 RS13145 WP 000472713.1       FLSLSSKM.IFMSKVLIESQGKIFIALSPLTLLFFQQISWVAPLTNIIAVPIVGSVIVPLNIMAACAWFVIKPFGNMLFH  477
consensus                                      ******** *** !*!**!! !!!*!!*!!****! *!*!**!!*!**!*!**!**!!!! **!********* !***!*
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logo
NTDB id 1009479 ABJ384 RS09955 WP 349927063.1  INDLCLAALLWLLQLLDGLFAPILQPIAMTFAVWLSLCLGLIILFLPRAVLPKTWSILCFIPLIGLDASKNQFELNVLDV   555
NTDB id 1015 ACIAD RS12005 WP 004928865.1      LNNSLLELFIGILKGLDHLFNPQLQYYAFTPLLLICLTLAIVILFLPKGVVPKFWSVLCFVPLLIPSKMIRPTQISILDV   555
NTDB id 1083 HON27 RS04190 WP 168726476.1      FNDMLLSILLSCLGLLEKL.SLPLQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVMMNKTSQQIQLNILDV   556
NTDB id 1070 ABD1 RS13145 WP 000472713.1       FNDMLLSILLSCLGLLEKL.SLTLQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVIMNKTSQQIQLNILDV   556
consensus                                      *!***!******!**!**!*** !!** *!***********!!!!****!!*! *!!**!!***************!!!

logo
NTDB id 1009479 ABJ384 RS09955 WP 349927063.1  GQGQAIFIRDQDQTMMIDTGGNYNEAKFSIGKQIILPFLSVKGVDQLDQLILTHLDQDHSGAYASIKQDLPIKHVYSNEQ   635
NTDB id 1015 ACIAD RS12005 WP 004928865.1      GQGQSIFIQDQTQRILLDTGGYYDESKFSIGKQVVVPFLKSQGVHQLDRVILTHLDQDHSGGLPAVLQLIPTRMIQANEE   635
NTDB id 1083 HON27 RS04190 WP 168726476.1      GQGQAIFLQHPQQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPIIQQEIPVKQLISNEQ   636
NTDB id 1070 ABD1 RS13145 WP 000472713.1       GQGQAIFLQHPEQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPLIQQEIPVKQLISNEQ   636
consensus                                      !!!!*!!****!*****!!!!*!*!* !!!! ****!!!***!!*!!!***!*!!!!!!!!***!***!**!******!!*

logo
NTDB id 1009479 ABJ384 RS09955 WP 349927063.1  VPIPDSSQFDYCHQGQQWSWNDGMNITVLSPKAENLANAKTDQNEMSCVVYVQVKNAQPYQNFLLMGDAGWRTEYQILQD   715
NTDB id 1015 ACIAD RS12005 WP 004928865.1      .IKDLSIPFSLCHSGQTWETS.ELKIQILSPKLENLQSTVFNRNEASCVMYLQLKQASDLKYFLMMGDAGWETEYQLLQQ   713
NTDB id 1083 HON27 RS04190 WP 168726476.1      LPNDLKQPFQYCHQGQQWHYS.ELDIQILWPKEKDLAFVASNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELLKD   715
NTDB id 1070 ABD1 RS13145 WP 000472713.1       LPNDLKQPFQYCHQGQQWHYP.ELDIQILWPKEKDLAFVTSNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELLKD   715
consensus                                      ***** **!**!!*!!*!*** ***!**! !!*  !*** ***! *!!!*!*!*!* *****!!*!!!!!!* !! *! *

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NTDB id 1009479 ABJ384 RS09955 WP 349927063.1  YPDLKVDVLVLGHHGSRHSSAYAFLKQLKPKIVIASAGFNNRYGHPSQMTLQRLQQLDIPVLSTVQQGSIQFSRQANGQM   795
NTDB id 1015 ACIAD RS12005 WP 004928865.1      YPDLKVDVLILGHHGSQHSSSYDFLKRYHPKIAIASAGFENGYGHPSAEVSNRLQDLNIPLLSTTDKGAIHFKF.DSGNE   792
NTDB id 1083 HON27 RS04190 WP 168726476.1      YPNLKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTLEQGTLSFVL.ENHKL   794
NTDB id 1070 ABD1 RS13145 WP 000472713.1       YPNLKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTVEQGTLSFVL.ENHKI   794
consensus                                      !! !!*!!!*!!!!!!*!!!*!*!! ***!!**!!!!!!*!*!!!!!*****!! *!*!!* !!***!***!** *****

logo
NTDB id 1009479 ABJ384 RS09955 WP 349927063.1  QLHYAREQKLWLKRAAVKLKS   816
NTDB id 1015 ACIAD RS12005 WP 004928865.1      QTEFYRQSYKWLQR.......   806
NTDB id 1083 HON27 RS04190 WP 168726476.1      VLHDRRLDRLWLSRGF.....   810
NTDB id 1070 ABD1 RS13145 WP 000472713.1       VLHDRRLDRLWLSRGF.....   810
consensus                                       ****!****!!*!**
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X non conserved

X similar

X $\geq$ 50% conserved