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logo
NTDB id 1107130 ACLKM0 RS09330 WP 411688555.1  MFKIMGAGWIVGIACMGKTLWPMLDFPLWLSGLLLIILLLQQ.IAALHWSHLGIQLINTCVAFVITFLLGLNFAQNQLQE   79
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 1107130 ACLKM0 RS09330 WP 411688555.1  RLIFRELTRQPAEVVVYVQQINQLGSSQLRQPVQVLNRHSQPVQWLALL........PAEQELQLGRYYRLQGQTLPAHS   151
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 1107130 ACLKM0 RS09330 WP 411688555.1  FAVPGAFDVEQWYLQQNIMSGFQVQSIVELTESELYRLEFGVHLRQHQQLWPQFKLWIETQRLQIRDFIQQQALQHPGLI   231
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 1107130 ACLKM0 RS09330 WP 411688555.1  LALLTGDKSLLDEATEQQFQRFGMSHLLAISGPHVLIFAAMLCFVLQRLVTRYWPELYARLPRSYLLLLPFMGCVFVYCA   311
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 1107130 ACLKM0 RS09330 WP 411688555.1  YVGFEIPALRTLLICLVAGACLLLKQPIQPLSLLIGSASLLLLLDPLSVLSAAFWLSYGACFVLLRIYQTLRQQPVHPQQ   391
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 1107130 ACLKM0 RS09330 WP 411688555.1  TLMQKLWQGFRLLFESQWKIFIALFPLMIIFFKQIAWIAPLSNLLAIPWIGLVTVPLDILAGLSFYLAEPLSQLLFQLND   471
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 1107130 ACLKM0 RS09330 WP 411688555.1  LALSLLLGCLQLLDLLFVPQLIPVALSPPMLLSLVLGLMILFLPAGLVPKAWSALCLLPLLFQDQFSRQVELSVLDVGQG   551
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 1107130 ACLKM0 RS09330 WP 411688555.1  QAIFLRYREHSMMIDMGGHYDEQKWSIGRQIIQPFLSVKGVQQLDYLWLTHLDQDHSGAYQTLKPQLQVQQVYANAQLEV   631
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 1107130 ACLKM0 RS09330 WP 411688555.1  NPHSHFDYCQQGQQWQWQPGIQIQVLSPKPEQLNPVEQQKNESSCVLLVEFAQAQPYSRFLLMGDAGWPTEYQLLQDYPD   711
NTDB id 1015 ACIAD RS12005 WP 004928865.1      DLSIPFSLCHSGQTWET.SELKIQILSPKLENLQSTVFNRNEASCVMYLQLKQASDLKYFLMMGDAGWETEYQLLQQYPD   716
NTDB id 1070 ABD1 RS13145 WP 000472713.1       DLKQPFQYCHQGQQWHY.PELDIQILWPKEKDLAFVTSNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELLKDYPN   718
NTDB id 1083 HON27 RS04190 WP 168726476.1      DLKQPFQYCHQGQQWHY.SELDIQILWPKEKDLAFVASNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEYELLKDYPN   718
consensus                                      *****!**!**!!*!** ****!!*! !!* *!*** ***! *!!!******  *****!!*!!!!!!* !! !! *!!

logo

NTDB id 1107130 ACLKM0 RS09330 WP 411688555.1  LKVDVLVLGHHGSRHSSSYQFLKQLEPKLAIASAGLNNRYGHPSTQVQARLNALKIPLWQTAQQGSIQFYPTEN..EVLP   789
NTDB id 1015 ACIAD RS12005 WP 004928865.1      LKVDVLILGHHGSQHSSSYDFLKRYHPKIAIASAGFENGYGHPSAEVSNRLQDLNIPLLSTTDKGAIHFKFDSGNEQTEF   796
NTDB id 1070 ABD1 RS13145 WP 000472713.1       LKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTVEQGTLSFVLENHKIVLHD   798
NTDB id 1083 HON27 RS04190 WP 168726476.1      LKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTLEQGTLSFVLENHKLVLHD   798
consensus                                      !!*!!!*!!!!!!*!!!  !*!! ***!!*!!!!!!**!*!!!!!**!**!!**!*!!!**!***!***!******!****

logo

NTDB id 1107130 ACLKM0 RS09330 WP 411688555.1  YRHTRVWLLRD.   800
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