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logo
NTDB id 1039364 ACDI99 RS10840 WP 026443956.1   MWKTILLAWIAGISVMGKTFNLPVFLLPGLMIFSVGSG...LLYWYQYSKLESHHPIPWLSRAVFILALGILTGTLGYRY   77
NTDB id 1015 ACIAD RS12005 WP 004928865.1       MFKIILLGWIAGIAMMGRTLECIEP.......FTCITGILTFLIWAIYFYKKRKHQIGSGLRALVILISASFLFGIGAQY   73
NTDB id 1083 HON27 RS04190 WP 168726476.1       MFKIILLGWIGGIALMGIDFPLIMQ.......YEKVGEALLLLAFIFYLYKRPMFVDRPFLKAVFCLLCTTSLFMVGYHY   73
NTDB id 1070 ABD1 RS13145 WP 000472713.1        MFKIILLGWIGGIALMGIDFPLIMQ.......YEKVGEALLLLAFIFYLYKRPMFVDRPFLKAVFCLLCTTSLFMVGYHY   73
consensus                                       !*!*!!!*!!*!!**!!* ******       ***** ****!****!******** *****!***!*********!**!

logo
NTDB id 1039364 ACDI99 RS10840 WP 026443956.1   ADHALEQRLDNRETETRNIEAIVYIRHIDERSEKQIRQKVEVLDQKKQPVQWWLTFKN....IPEQPIKFELGEYYRIYG   153
NTDB id 1015 ACIAD RS12005 WP 004928865.1       ADSALEERLYYKIMHSDTHEVIIYVHQMGESSDKGIKQVAEVLNIHPDVVNWVFYIDQSLLGA.EKSSSLELGQYYRITA   152
NTDB id 1083 HON27 RS04190 WP 168726476.1       AEKALIERLEQRETDTRNLDIIVYINRLSEEKDNKVQQTAQVLNLSKEPVNWLLYLKSNNQNLLKNNQNLELGHYYRISG   153
NTDB id 1070 ABD1 RS13145 WP 000472713.1        AEKALIERLEQRETDTRNLDIIVYINRLSEEKDNKVQQTAQVLNLSKEPVNWLLYLKSNNQNLLKNNQNLELGHYYRISG   153
consensus                                       !**!! *!!************!*!*****!* * ***!** !!******!*!************ *****!!!*!!!!**

logo
NTDB id 1039364 ACDI99 RS10840 WP 026443956.1   EVIPAHGYAMPGVFDQEKWFIQRNIMASVKIWKIEKLDHEAVYRLGFNQYLNNQQGWINGLLLLMERQRYHFRTFIQNSI   233
NTDB id 1015 ACIAD RS12005 WP 004928865.1       KTKPIHSYALEGAFDVEKWFVQQNWQATAQVYRIQTLSKQEVMSAGFYLHVKQQQTWRAQFLQSVEKLRLKFRNYFIDSS   232
NTDB id 1083 HON27 RS04190 WP 168726476.1       KTRPAHSYATPGSFDQEKWFIQRNIMSGFNVRYIEPLSLDEIYRLGYQQHLKEQQSFSSSFRLNIEKLRLTFRQILNSSS   233
NTDB id 1070 ABD1 RS13145 WP 000472713.1        KTRPAHSYATPGAFDQEKWFIQRNIMSGFNVRYIEPLSLDEIYRLGYQQHLKEQQSFSNSFRLNIEKLRLTFRQILNSSS   233
consensus                                       ***!*!*!!**!*!!*!!!!*! !** ******!**!********!*******!!****** ***!**!**!!*****!*

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NTDB id 1039364 ACDI99 RS10840 WP 026443956.1   LKNKGLILALLTGDKSLLSSETEEQFQRLGISHLLAISGPHVLIFAALVSWVLQTLIRLYGPKLYLSLPRPYLLVFPFCF   313
NTDB id 1015 ACIAD RS12005 WP 004928865.1       LSHHALLLALLTGDRSLLNPELEQQFQRFGISHLLAISGPHVLIFAAMVSWIFTRLIHRFKPEIYLSIPRQKLVLLPFLM   312
NTDB id 1083 HON27 RS04190 WP 168726476.1       LQQKGLILALLTGDESLLSDETQLQFKQLGISHLLAISGPHVFIFAIMLSWACHQFISRYYPKIYLWKPKQLLMAVPCCL   313
NTDB id 1070 ABD1 RS13145 WP 000472713.1        LQQKGLILALLTGDESLLSDETQLQFKQLGISHLLAISGPHVLIFAIMLSWAYHQFISRYYPQIYLWKPKQVLIAVPCCL   313
consensus                                       !****!*!!!!!!!*!!!**!* *!!  *!!!!!!!!!!!!!*!!! **!!***** !****!**!! *!***!***!***

logo
NTDB id 1039364 ACDI99 RS10840 WP 026443956.1   CVLLYSAFVGFEIPALRTLLITLLGSSLLLLRQKIQALSLLLASASLLLWIDPFSVLSAAFWLSFGACFILLRIYESIDR   393
NTDB id 1015 ACIAD RS12005 WP 004928865.1       CVILYCAFVGFEIPALRTLFTVMLGSILLLIRHHLSAFSLLVLSASLLLWMDPFSILSAAFWLSYGACFILIRIYQDMTQ   392
NTDB id 1083 HON27 RS04190 WP 168726476.1       GVLIYTAFVGFEIPALRTLLSTLIFIGFLLLKQPIKPFTLLVYSASLLLLMDPFSVLSAGFWLSYGACFILIRIYQTIAQ   393
NTDB id 1070 ABD1 RS13145 WP 000472713.1        GVLIYTAFVGFEIPALRTFLSVLIFIGFLLLKQPIKPFTLLVYSASLLLLMDPFSVLSAGFWLSYGACFILLRIYQTIAQ   393
consensus                                       *!**!*!!!!!!!!!!!!!*** **   * !!*********!!**!!!!!! *!!!!*!!!*!!!!!*!!!!!!*!!!*****

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NTDB id 1039364 ACDI99 RS10840 WP 026443956.1   QPAQPAFNWKQRVLTAGKLLIESQGKIFIALFPLVLIFFKQVSWIAPLTNILVIPLLGAVVVPLDILAACLSYIISPLGL   473
NTDB id 1015 ACIAD RS12005 WP 004928865.1       AQQFHQTRFTRGM.QILKALVRSQWKIFVALMPLTLIIFKQISWIAPLSNLIAIPILGGIIVPLDIMAGCLWLFIPSLGN   471
NTDB id 1083 HON27 RS04190 WP 168726476.1       LPEQHFLSLSSKMIFMSKVLIESQGKIFIALSPLTLLFFQRISWVAPLTNIIAVPIVGSVIVPLNIIAACAWFVVKPFGN   473
NTDB id 1070 ABD1 RS13145 WP 000472713.1        LPEQHFLSLSSKMIFMSKVLIESQGKIFIALSPLTLLFFQQISWVAPLTNIIAVPIVGSVIVPLNIMAACAWFVIKPFGN   473
consensus                                       *****************!*!**!!*!!!*!!*!!*!**! **!!*!!!!*!****!**!***!!! !*!*! ****** !*
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logo
NTDB id 1039364 ACDI99 RS10840 WP 026443956.1  LLFHCSDLGLNLGLWILEILDHLFNPQLQGIAFTPLLIVSLSIGLIILYLPRSVIPKAWALLCFVPVFTSRAPDSDFKLT   553
NTDB id 1015 ACIAD RS12005 WP 004928865.1      LLFYLNNSLLELFIGILKGLDHLFNPQLQYYAFTPLLLICLTLAIVILFLPKGVVPKFWSVLCFVPLLIPSKMIRPTQIS   551
NTDB id 1083 HON27 RS04190 WP 168726476.1      MLFHFNDMLLSILLSCLGLLEKL.SLPLQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVMMNKTSQQIQLN   552
NTDB id 1070 ABD1 RS13145 WP 000472713.1       MLFHFNDMLLSILLSCLGLLEKL.SLTLQGISLTPLSLLAISCAIIILFLPKGILPKTWGILCCLPLVIMNKTSQQIQLN   552
consensus                                      *!!******!******!**!**!* **!!**  !!! *********!!*!!****!!*!**!!**!**************

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NTDB id 1039364 ACDI99 RS10840 WP 026443956.1  VLDVGQGQAILLQSSQQKIMLDTGGYYDETKFSIGQQILAPFLFSQGIARLDRVLLTHLDQDHSGALLPLSQKIKIDEVI   633
NTDB id 1015 ACIAD RS12005 WP 004928865.1      ILDVGQGQSIFIQDQTQRILLDTGGYYDESKFSIGKQVVVPFLKSQGVHQLDRVILTHLDQDHSGGLPAVLQLIPTRMIQ   631
NTDB id 1083 HON27 RS04190 WP 168726476.1      ILDVGQGQAIFLQHPQQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPIIQQEIPVKQLI   632
NTDB id 1070 ABD1 RS13145 WP 000472713.1       ILDVGQGQAIFLQHPEQNWLIDTGGSYDEKIFSIGQNVVVPFLRQQGVRQLDHVVLSHLDQDHSGAFPLIQQEIPVKQLI   632
consensus                                      *!!!!!!!*!**!***!* **!!!! !!!* !!!!*****!!!* !!***!!*!*!*!!!!!!!!* ****!*!******

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NTDB id 1039364 ACDI99 RS10840 WP 026443956.1  ANTQLPETWNIKQSSPCREGQSWSYQNFKVQVLSPGLNTYPSMVEANPNEYSCVLYVQLNQAQPYRNFLIMGDAGWPTEY   713
NTDB id 1015 ACIAD RS12005 WP 004928865.1      ANEE.IKDLSIP.FSLCHSGQTWETSELKIQILSPKLENLQS.TVFNRNEASCVMYLQLKQASDLKYFLMMGDAGWETEY   708
NTDB id 1083 HON27 RS04190 WP 168726476.1      SNEQLPNDLKQP.FQYCHQGQQWHYSELDIQILWPKEKDLAF.VASNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEY   710
NTDB id 1070 ABD1 RS13145 WP 000472713.1       SNEQLPNDLKQP.FQYCHQGQQWHYPELDIQILWPKEKDLAF.VTSNQNQYSCVVYLQFKKVGGYQNFLIMGDAGWEAEY   710
consensus                                       !******** * * *!**!!*!***** *!*! !* ****  * *!*! *!!!*!*! *  *****!!*!!!!!!* !!

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NTDB id 1039364 ACDI99 RS10840 WP 026443956.1  ELMKKYPELQVDVLVLGHHGSKHSSAYSFLKYLHPKLAIASAGQWNRYGHPTKEVKVRLKALDIPLLLTAQTGNIEFYQE   793
NTDB id 1015 ACIAD RS12005 WP 004928865.1      QLLQQYPDLKVDVLILGHHGSQHSSSYDFLKRYHPKIAIASAGFENGYGHPSAEVSNRLQDLNIPLLSTTDKGAIHFKFD   788
NTDB id 1083 HON27 RS04190 WP 168726476.1      ELLKDYPNLKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTLEQGTLSFVLE   790
NTDB id 1070 ABD1 RS13145 WP 000472713.1       ELLKDYPNLKIDVLVLGHHGSKHSSAYDFLATLKPKLAIASAGFDNRYGHPSQQVIARLKALHIPLKSTVEQGTLSFVLE   790
consensus                                      *!***!!*!**!!!*!!!!!!*!!!*!*!! ***!!*!!!!!!**!*!!!!** !**!!**!*!!! *!****!***!***

logo
NTDB id 1039364 ACDI99 RS10840 WP 026443956.1  ADEQINYTLYREQWKWLKIK.   813
NTDB id 1015 ACIAD RS12005 WP 004928865.1      SGNE.QTEFYRQSYKWLQR..   806
NTDB id 1083 HON27 RS04190 WP 168726476.1      NHKL.VLHDRRLDRLWLSRGF   810
NTDB id 1070 ABD1 RS13145 WP 000472713.1       NHKI.VLHDRRLDRLWLSRGF   810
consensus                                      **** **** !*** !!****
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X non conserved

X similar

X $\geq$ 50% conserved