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logo
NTDB id 1113603 LFA RS03245 WP 157010267.1  MLKSIGIKYQLRITTLIPAFLVAVLFAVFYNDQFGKDLQQHTSRLGEAYIRQLLPAAQYALLRHDTRTLQGLINASTINPEVKAL   85
NTDB id 1263 GCO85 RS09730 WP 080450539.1   MLKSIGIKYQLRITTLIPAFLVALLFAFFYNGLFGKDLKQHMSRLGEAYIRQLLPAAQYAMLRNDYRTLQGLINASTINPEVKAL   85
consensus                                   !!!!!!!!!!!!!!!!!!!!!!!!*!!! !!!  !!!!! !! !!!!!!!!!!!!!!!!!!!*!!*! !!!!!!!!!!!!!!!!!!!!

logo
NTDB id 1113603 LFA RS03245 WP 157010267.1  AFYNANGQLLAYRGGKHSLHKPFNPPDFTGDYIESRQINPFTINFIAPITIPKFNLYSKSSVANSLSPSVFQADDILGWLSIDID  170
NTDB id 1263 GCO85 RS09730 WP 080450539.1   AFYNADGRLIAYRGGKHSIHKPFNPPDYTGDYIESKQINPFTINFIAPITIPKFNLYSSTEFKELSTPKIFQADDILGWLSIDID  170
consensus                                   !!!!! ! !*!!!!!!!!*!!!!!!!*!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!! *      *! *!!!!!!!!!!!!!!!!

logo
NTDB id 1113603 LFA RS03245 WP 157010267.1  TQSTLIKRYQMMIVTIFITLFGLLIGLTIHYFLSKQIYVPIARLRRSMKQILSNEFETEIRVSSKGELGVIEKGCTHLQQQYLST  255
NTDB id 1263 GCO85 RS09730 WP 080450539.1   TQSLLIKRYQMLIVTIFITLFGLLMGLTIHYFLSKRIYMPIARLRRSMKQILSNEFETEIRVSSPGELGIIEKGCAHLQRQYLNT  255
consensus                                   !!!  !!!!!!!*!!!!!!!!!!!!!*!!!!!!!!!! !!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!*!!!!! !!! !!! !

logo
NTDB id 1113603 LFA RS03245 WP 157010267.1  IRDLNQHIETATEDLQQSLELLEEKNIELSLDKKKSEEKSRQKSEFIANMSHEIRTPMNGVIGFTNVLLESKLDPLQLDYVKTIK  340
NTDB id 1263 GCO85 RS09730 WP 080450539.1   VRDLNHHIEIATADLQQSLELLEEKNIELSLEKKKTEEKSRQKSEFIANMSHEIRTPMNGVIGFTNVLLESKLDPLQLDYVKTIK  340
consensus                                   *!!!!*!!! !! !!!!!!!!!!!!!!!!!!!!*!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 1113603 LFA RS03245 WP 157010267.1  QSAQDLLGIINDILDFSKIEAGKLNLDCIPVDIRGCVDDVLALASPNAHKKGVDLIPITEVNVPKTVLGDPFRIKQIISNLVTNA  425
NTDB id 1263 GCO85 RS09730 WP 080450539.1   SSAQDLLSIINDILDFSKIDAGKLNLDCIPLDIRGCIDEVLSLASPNAHKKGIDLIPITDINVPKMVLGDPLRIKQIISNLVTNA  425
consensus                                    !!!!!!  !!!!!!!!!!!!*!!!!!*!!!!!*!!!!!*!*!! !!!!!!!!!!!*!!!!!!**!!!! !!!!! !!!!!!!!!!!!!

logo
NTDB id 1113603 LFA RS03245 WP 157010267.1  IKFTDHGHVLIRTKIEQETEKDYTLCITIIDTGIGISPEDQNRLFTAFNQADTSITRRYGGSGLGLVICKKLCEEMQGRITLASE  510
NTDB id 1263 GCO85 RS09730 WP 080450539.1   VKFTDHGYVLIRTKIEQETDKDYTLLFAIADTGIGISPEDQTKLFTAFNQADTSITRRYGGSGLGLVICKKLCEEMHGRISLTSE  510
consensus                                   *!!!!!!*!!!!!!!!!!!!*!!!!!*   ! !!!!!!!!!!! *!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!*! !!

logo
NTDB id 1113603 LFA RS03245 WP 157010267.1  LHKGSAFSAYIRVEKLMAYEIEKNQTHRFAHLKVLCFDDNSLHLEALCNGLGYWGIECVPVHAFNKLAKAIDKNKDCKIAFVSVN  595
NTDB id 1263 GCO85 RS09730 WP 080450539.1   INKGSTFSARIKVEKLVAYEIEKNQTHRFAHLKIICFDDNPLHLEAIGNGLGFWGIEAIRVDSFNKLSRILTKHKDCKIAFINVN  595
consensus                                   **!!! !!! !*!!!!*!!!!!!!!*!!!!!!!**!!!!!*!!!!!**!!!!*!!!!***!* !!!! * * !*!!!!!!!* !!
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logo
NTDB id 1113603 LFA RS03245 WP 157010267.1  QGYEQQIAELIAKHNHLPYVLLSKWPINNYTALGAQGFVHKPAIIQKLQELIESLSPINNEVYSEKTFNHELDSLREQLRFLHPE   680
NTDB id 1263 GCO85 RS09730 WP 080450539.1   QGCERQAAELIAKHKQIPFVLISKWPINDFAALGARGFLYKPISIQKLQDLIESIA...NENQTEKNTNQELDTLREQLRFLHPE   677
consensus                                   !!*! ! !!!!!!! **!*!!*!!!!!! * !!!! !!**!!  !!!!!*!!!!* ***!!  *!!  !*!!!*!!!!!!!!!!!

logo
NTDB id 1113603 LFA RS03245 WP 157010267.1  LLIAEDNPVNKMLLNSLLSDNATVTAVDDGEMAVSACEEKKYDLILLDLHMPKLNGLDAAQTIKQKSSLNKHSPIVVISANGNEI   765
NTDB id 1263 GCO85 RS09730 WP 080450539.1   ILIAEDNPVNKMLLTSLLNNNANITTVDDGEMAVTACEDKKFDMILLDLHMPKLNGLEAAKMIRQKSLMNKHSPIVLITASSSDL   762
consensus                                   *!!!!!!!!!!!!! !!!  !! *! !!!!!!!!*!!!*!!*!!!!!!!!!!!!!!*!!  !*!!! *!!!!!!!*!*!   **

logo
NTDB id 1113603 LFA RS03245 WP 157010267.1  STADLKKSGVDFCLQKPIDEKQLLVQILRIVDKAKHAAIDWQLCIQKVSGNQALAEEFLAKFIEELYKNREEFIQLMHEKNIKGM   850
NTDB id 1263 GCO85 RS09730 WP 080450539.1   SSIDMKKSGVDFCFQKPIDEKQLLIQILRIVDKTKHAAIDWQLCVQKVSGNQALAEEFLAKFIEELYKNREEFIELMHQKNVKGL   847
consensus                                   !* !*!!!!!!!! !!!!!!!!!!*!!!!!!!! !!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!! !!*!!*

logo
NTDB id 1113603 LFA RS03245 WP 157010267.1  GDAAHKLHGACCFCGVPLLQKKVMQLEKLALRATTIEELNDPFAELIQSIDAVISEYENQYSQ   913
NTDB id 1263 GCO85 RS09730 WP 080450539.1   ADLAHKLHGACCFCGVPILQKRVAQLEKLARRTANADNLAEAFTDLIQSIDAVISEYENQYSQ   910
consensus                                   *! !!!!!!!!!!!!!!*!!!*! !!!!!! !    * ! **! *!!!!!!!!!!!!!!!!!!
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X non conserved

X similar

X $\geq$ 50% conserved