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logo
NTDB id 1009136 ABKA15 RS07685 WP 350015338.1  MKSSKWIIATGVVLSAGILLSGC.GKSASSTSTYSYVYTQDPDTLNYLMANRATTSDVVTNLVDGLLENDQYGNLVPSLA   79
NTDB id 475 HSISS4 RS07005 WP 021143809.1      MKKSKWLALAGVALLSVGALAACSSKSSTSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVA   80
NTDB id 324 STU RS16140 WP 011226306.1         MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVA   80
NTDB id 292 STER RS06940 WP 011681419.1        MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVA   80
consensus                                      !!*!!!****!!*!*****!**!**!!**!**!!*!!!**!!**!*!***!***!***!!!*!!!!*!*!*!!!!!!!*!

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NTDB id 1009136 ABKA15 RS07685 WP 350015338.1  KSWTVSKDGLTYTYKLRKDAKWYTSEGEEYANVTAKDFVTGLKYAADNKSEALYLVQDSVKGLDAYIKGETKDFSTVGVK  159
NTDB id 475 HSISS4 RS07005 WP 021143809.1      EDWSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVGVK  160
NTDB id 324 STU RS16140 WP 011226306.1         EDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVK  160
NTDB id 292 STER RS06940 WP 011681419.1        EDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVK  160
consensus                                      **!*!!*!!!!!!!!*!!**!!!!!*!!!!!*!*!*!!!!!!!*!!!*!****!!!!!!**!!**!**!**!!!!*!!!!

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NTDB id 1009136 ABKA15 RS07685 WP 350015338.1  ALDDYTVQYTLSRAETYWNSKTTNNILFPVNADFLKSQGKNFGS.VKPTSILYNGPYLLKSLTAKSSMEFAKNPHYYDKK  238
NTDB id 475 HSISS4 RS07005 WP 021143809.1      AIDDYTLQYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWDKK  240
NTDB id 324 STU RS16140 WP 011226306.1         AIDEYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKK  240
NTDB id 292 STER RS06940 WP 011681419.1        AIDDYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKK  240
consensus                                      !*!*!!*!!!!***!*!!!!!!!***!*!!!*!!!!**!!*!!****!!!!!!!!!*!!!!!!!!!!*!**!!**!*!!!

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NTDB id 1009136 ABKA15 RS07685 WP 350015338.1  NVHLDNIKLIYYDGSDQEALIRNFTDGAYSAARLYPNSSSFASVKKQYANNIIYSLQDATSYYYNFNLNRQSYNHTSKKT  318
NTDB id 475 HSISS4 RS07005 WP 021143809.1      NVHFDAIKLSYYDGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAKKT  320
NTDB id 324 STU RS16140 WP 011226306.1         NVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAKKT  320
NTDB id 292 STER RS06940 WP 011681419.1        NVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAKKT  320
consensus                                      !!!*!*!! *!!!!!!!*!!*!*!!!!!! *!!**!*!!***!!*!*!**!!*!****!*******!**!!!!****!!!

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NTDB id 1009136 ABKA15 RS07685 WP 350015338.1  DAQKAATQEAVLNKAFRQAINFAYNRTSYGAQSNGKDGATKVLRNTLVPPTFVSIGDKTFGDVVSSKLVNYGSEWSNMNL  398
NTDB id 475 HSISS4 RS07005 WP 021143809.1      DAEKTSTKKALLNKDFRQSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNF  400
NTDB id 324 STU RS16140 WP 011226306.1         DSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNF  400
NTDB id 292 STER RS06940 WP 011681419.1        DSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNL  400
consensus                                      ! *!**!**!*!!!*!!!*!!!!!**! *!**!*!!!!!!****!!**!!**!!!*!!!!!!!!*!**!***!!*!!!**!

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NTDB id 1009136 ABKA15 RS07685 WP 350015338.1  ADAQDAYYNPEKAKAKFAQAKAELQAKGVQFPIHLDVPAGQTSKTGVQWESSMKQSVESVLGTENVVIDIQQMSSDELNN  478
NTDB id 475 HSISS4 RS07005 WP 021143809.1      TDGQDGLYNAEKAKTEFAKAKETLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDDIQN  480
NTDB id 324 STU RS16140 WP 011226306.1         ADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDDLEN  480
NTDB id 292 STER RS06940 WP 011681419.1        ADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDDLEN  480
consensus                                      *!*!!**!!*!!!!**!!*!!**!!!*!!!!!!!!!!*!**!*!!**!****!*!!**!**!!**!!!!!**!*!!!***!
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logo

NTDB id 1009136 ABKA15 RS07685 WP 350015338.1  ISYFANTAAQKDYDLYNG.GWSGDYQDPSTYLDTLNTKNGGSLQNFGLEPGQENDKIKAVGLDTYTEMLAEANAET.NEA   556
NTDB id 475 HSISS4 RS07005 WP 021143809.1      ATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDDPNNAAAAQVGLKDYDALLDSAASETTDLN   560
NTDB id 324 STU RS16140 WP 011226306.1         VTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLN   560
NTDB id 292 STER RS06940 WP 011681419.1        ATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLN   560
consensus                                      ****!**!!**!*!**! **!**!!!!!!!!!!***!********!*******!*****!!!**!***!**!**!!****

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NTDB id 1009136 ABKA15 RS07685 WP 350015338.1  TRYEKYAEAQAWLIDSGLTMPNL.SLGGTPSVTKTVPFSRSYSLVGIKGGSSNYFKYVKLQDKIVTTKEYESAKKKWLKE   635
NTDB id 475 HSISS4 RS07005 WP 021143809.1      ARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWLKE   639
NTDB id 324 STU RS16140 WP 011226306.1         VRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKE   640
NTDB id 292 STER RS06940 WP 011681419.1        VRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKE   640
consensus                                      *!!**!!*!!!!!*!!*!**!*****!**!******!!******!!*!*** *! !!!!*!*!*!!*!!!!****!!!!!

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NTDB id 1009136 ABKA15 RS07685 WP 350015338.1  KEISNKKAQDNYENHVK   652
NTDB id 475 HSISS4 RS07005 WP 021143809.1      KKASNEKAQKDLEKHVK   656
NTDB id 324 STU RS16140 WP 011226306.1         KKESNEKAQKDLEKHVK   657
NTDB id 292 STER RS06940 WP 011681419.1        KKESNEKAQKDLEKHVK   657
consensus                                      !**!!*!!!***!*!!!
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X non conserved
X similar
X $\geq$ 50% conserved