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logo
NTDB id 1009097 ABKA15 RS02010 WP 106388159.1   MKKSKIITLAALALLATGTLAACSGSKTSSGNKTFSYVYEQDPDNLNYLTTGKAATANLTSNVIDGLLENDRYGNLVPSM   80
NTDB id 475 HSISS4 RS07005 WP 021143809.1       MKKSKWLALAGVALLSVGALAACSSKSSTS.GTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSV   79
NTDB id 324 STU RS16140 WP 011226306.1          MKKSKWLALAGVALLGVGVLAACSSKSNTS.GTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSV   79
NTDB id 292 STER RS06940 WP 011681419.1        MKKSKWLALAGVALLGVGVLAACSSKSNTS.GTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSV   79
consensus                                       !!!!!***!!**!!!**!*!!!!!*****! **!**!!!**!!**!*!*!*****!*****!**!!!*!*!*!!!!!!!*

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NTDB id 1009097 ABKA15 RS02010 WP 106388159.1   AKDWTVSKDGLTYTYTLRKGVKWYTSEGEEYAEVKAQDFVTGLKYAADNKSDAIYLVQDSIKGLDAYMKGENKDFSSVGI   160
NTDB id 475 HSISS4 RS07005 WP 021143809.1       AEDWSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVGV   159
NTDB id 324 STU RS16140 WP 011226306.1          AEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGV   159
NTDB id 292 STER RS06940 WP 011681419.1        AEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGV   159
consensus                                       !*!!*!!*!!!!!!!**!!!*!!!!!*!!!!!*!*!*!!!!!!!*!!!*!****!!!!!!!*!!**!**!*!!!!!*!!*

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NTDB id 1009097 ABKA15 RS02010 WP 106388159.1   KAVDDYTVQYTLNRPESFWNSKTTMGVLAPVNAEFLKSKGNKFAQATDPSSLLYNGPYLLKSITAKSSVEFAKNPNYWDK   240
NTDB id 475 HSISS4 RS07005 WP 021143809.1       KAIDDYTLQYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWDK   239
NTDB id 324 STU RS16140 WP 011226306.1          KAIDEYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDK   239
NTDB id 292 STER RS06940 WP 011681419.1        KAIDDYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDK   239
consensus                                       !!*!*!!*!!!!**!!**!!!!!!! *!*!!!**!!!*!!**!***!!!*!*!!!!!*!!!!*!!!!!*!**!!**!!!!

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NTDB id 1009097 ABKA15 RS02010 WP 106388159.1   KNVHIDNIKLSYYDGQDQDKLAKGFSDGSFTNAKVFPTSPSYSSVSKKYKNNIVYTPQDATTYLVSTNIDRQSYNHTSKT   320
NTDB id 475 HSISS4 RS07005 WP 021143809.1       KNVHFDAIKLSYYDGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAKK   319
NTDB id 324 STU RS16140 WP 011226306.1          KNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAKK   319
NTDB id 292 STER RS06940 WP 011681419.1        KNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAKK   319
consensus                                       !!!!*!*!! !!!!!*!!**!**!!*!!****!*!*!!!**! !!*!!!!*!!*!!***!*!*****!*!!!!!****!*

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NTDB id 1009097 ABKA15 RS02010 WP 106388159.1   TDAQKTSTKKALLNKDFRQAINFAIDRTAYQSQVNGKDGATKMLRNLFVPPTFVQTDDKSFGELVKEKLVGYDESWKDVN   400
NTDB id 475 HSISS4 RS07005 WP 021143809.1       TDAEKTSTKKALLNKDFRQSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVN   399
NTDB id 324 STU RS16140 WP 011226306.1          TDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVN   399
NTDB id 292 STER RS06940 WP 011681419.1        TDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVN   399
consensus                                       !! *!*!!!!!!!!!!!!!!*!*!!*!! !!*!!*!!!!!!****!!!!!!**!!***!!*!!*!!*!!***!***!**!!

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NTDB id 1009097 ABKA15 RS02010 WP 106388159.1   LDDAQDGLYNPTKAKEKLAKAKAALQADGVQFPIHIDMPVDQTATNKVQRVQSLKQSIEKNLGKENVVIDIQQMSKDDVN   480
NTDB id 475 HSISS4 RS07005 WP 021143809.1       FTDGQDGLYNAEKAKTEFAKAKETLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDDIQ   479
NTDB id 324 STU RS16140 WP 011226306.1          FADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDDLE   479
NTDB id 292 STER RS06940 WP 011681419.1        LADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDDLE   479
consensus                                       *!*!!!!!!**!!!***!!!!**!!!!!!!!!!!!*!*!!*!*****!** !!!!!*!!**!!**!!!!!**!*!*!!**
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NTDB id 1009097 ABKA15 RS02010 WP 106388159.1  NITYFAESAAAEDWDLSDNVGWSPDFQDPSTYLDVIKPSSGENTKTYLGFDAGTNNTAAAQVGMNEYERLLNEAEKETTN   560
NTDB id 475 HSISS4 RS07005 WP 021143809.1      NATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDDP.NNAAAAQVGLKDYDALLDSAASETTD   558
NTDB id 324 STU RS16140 WP 011226306.1         NVTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDP.NNAAAAQVGLKDYDALLNSAASETSD   558
NTDB id 292 STER RS06940 WP 011681419.1        NATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDP.NNAAAAQVGLKDYDALLNSAASETSD   558
consensus                                      !*!**!**!!!!!!!*!**!*!*!!*!!!!!!!!!**!**!*!!!! **!*!** !!*!!!!!!***!**!!**!**!!**

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NTDB id 1009097 ABKA15 RS02010 WP 106388159.1  TNARYEKYAAAQAWLTDNALVIPTTTLTG.RPILSRTVPFTNPFAWSGNKGNSEIILYKYLELQDEPVTQNQYKKAMKKW   639
NTDB id 475 HSISS4 RS07005 WP 021143809.1      LNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKN.S.SDYFKYVKPQEKVVTKKEYEQSREKW   636
NTDB id 324 STU RS16140 WP 011226306.1         LNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKN.SSNDYIKYVKPQEKVVTKKEYEQSREKW   637
NTDB id 292 STER RS06940 WP 011681419.1        LNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKN.SSNDYIKYVKPQEKVVTKKEYEQSREKW   637
consensus                                      *! !!**!!*!!!!!*!**!!!!*!***!**!**!!**!!!******!*!* !*****!!***!***!!***!*****!!

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NTDB id 1009097 ABKA15 RS02010 WP 106388159.1  NKKRTESNKKAQEELADHVK   659
NTDB id 475 HSISS4 RS07005 WP 021143809.1      LKEKKASNEKAQKDLEKHVK   656
NTDB id 324 STU RS16140 WP 011226306.1         LKEKKESNEKAQKDLEKHVK   657
NTDB id 292 STER RS06940 WP 011681419.1        LKEKKESNEKAQKDLEKHVK   657
consensus                                      *!****!!*!!!**!**!!!
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X non conserved
X similar
X ≥ 50% conserved