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logo
NTDB id 1009096 ABKA15 RS02005 WP 049514169.1   MKKSKIIAVAGLALLTSGLLAACSGSKSNSAETKFGYVYSGDPETLDYVTSGKATTSDLVTNGVDGLLENDKYGNLVPSM   80
NTDB id 475 HSISS4 RS07005 WP 021143809.1       MKKSKWLALAGVALLSVGALAACSSK.SSTSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSV   79
NTDB id 324 STU RS16140 WP 011226306.1          MKKSKWLALAGVALLGVGVLAACSSK.SNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSV   79
NTDB id 292 STER RS06940 WP 011681419.1        MKKSKWLALAGVALLGVGVLAACSSK.SNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSV   79
consensus                                       !!!!!**!*!!*!!!**!*!!!!!** !****!**!!!!**!!!*!!!*!!****!***!!!!!!!*!*!!!!!!!!!*

logo
NTDB id 1009096 ABKA15 RS02005 WP 049514169.1   AKSWTVSKDGLTYTYKLRKGAKWYTSEGEEYAEVKAQDFVTGLKHAADKKSEALYLVQNSIKGLDAYVNGQTKDFSTVGV   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 1009096 ABKA15 RS02005 WP 049514169.1   KAVDDYTVQYTLNKPEPYWNSKTTSAIMWPINAEFLKSKGNKFGQSTDTNSILYNGPFLMKAITAKSAVEYVKNKHYWDK   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 1009096 ABKA15 RS02005 WP 049514169.1   DNVKVDSIKLAYYDGQDQDDSLARNFKDGAYSYARLFPTSSNFATFEKQFKDNIYTAEAGSGTAALALNIDRQSYNHTAKK   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 1009096 ABKA15 RS02005 WP 049514169.1   TDEEKNSTKKALLNKDFRQALNFALDRESYAAQVNGKDGAATAIRNMFVPSNFVQVGEKSFSDAVEEKLASYGDDWKGVK   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 1009096 ABKA15 RS02005 WP 049514169.1   LADSQNGLYNPTKAKEKFAKAKAALQAQGVQFPIHLDVPTVETSKSYVARMQSLKQSVEKVLGKENVVMDLNMMSEDDFN   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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logo

NTDB id 1009096 ABKA15 RS02005 WP 049514169.1  NITYYAPNAAGEDWDISGAVGWNPDYQDPSTYLDILKSTSSDNTKTWFGFDSGSENAGAKAVGLDEYNKLVDEAGAETTD   560
NTDB id 475 HSISS4 RS07005 WP 021143809.1      NATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDDPN.NAAAAQVGLKDYDALLDSAASETTD   558
NTDB id 324 STU RS16140 WP 011226306.1         NVTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPN.NAAAAQVGLKDYDALLNSAASETSD   558
NTDB id 292 STER RS06940 WP 011681419.1        NATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPN.NAAAAQVGLKDYDALLNSAASETSD   558
consensus                                      !*!**!*!!!*!!!!!!**!*!*!!!!!!!!!!!!*!*!!!*!!! **!*!*** !!*!**!!!**!**!* *!**!!*!

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NTDB id 1009096 ABKA15 RS02005 WP 049514169.1  IAKRYEKYAAAQAWLTDSSLVLPTMASTGAGTFVSRIQPFSGAFAQTGSKGS.STYYKYIKVGKDAVTKKDYEAAKKKWQ   639
NTDB id 475 HSISS4 RS07005 WP 021143809.1      LNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWL   637
NTDB id 324 STU RS16140 WP 011226306.1         LNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWL   638
NTDB id 292 STER RS06940 WP 011681419.1        LNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWL   638
consensus                                      ***!!**!!*!!!!!*!!!!!*!*****!!****!!**!!*!!**!*!*!*!* *!*!!*!*****!!!!*!!****!!*

logo

NTDB id 1009096 ABKA15 RS02005 WP 049514169.1  KEKAESNKKAQDELADHVK   658
NTDB id 475 HSISS4 RS07005 WP 021143809.1      KEKKASNEKAQKDLEKHVK   656
NTDB id 324 STU RS16140 WP 011226306.1         KEKKESNEKAQKDLEKHVK   657
NTDB id 292 STER RS06940 WP 011681419.1        KEKKESNEKAQKDLEKHVK   657
consensus                                      !!!**!!*!!!**!**!!!
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X non conserved
X similar
X ≥ 50% conserved