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logo

NTDB id 1029410 AB4X21 RS02575 WP 155127073.1  MKKGKVFAVAGVTLLAAGLLAACSSSNTSKASSGEDKNYGYVYTSDPTTLDYTISSKAATHDITTNVVDGLLENDKYGNL   80
NTDB id 475 HSISS4 RS07005 WP 021143809.1      MKKSKWLALAGVALLSVGALAACSSKSS.....TSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNL   75
NTDB id 324 STU RS16140 WP 011226306.1         MKKSKWLALAGVALLGVGVLAACSSKSN.....TSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNL   75
NTDB id 292 STER RS06940 WP 011681419.1       MKKSKWLALAGVALLGVGVLAACSSKSN.....TSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNL   75
consensus                                      !!!*!**!*!!!*!!**!*!!!!!!***     *****!!!!!*!!!**!!!**!****!****!!*!!!!!*!*!!!!!!

logo

NTDB id 1029410 AB4X21 RS02575 WP 155127073.1  VPSLAEDWSVSKDGLTYTYKIRKGVKWYDADGEEHGEVTAKDFVTGLKHAADKKSETLPLVQGSVKGLDDYVQGKITDFS  160
NTDB id 475 HSISS4 RS07005 WP 021143809.1      VPSVAEDWSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFS  155
NTDB id 324 STU RS16140 WP 011226306.1         VPSVAEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFS  155
NTDB id 292 STER RS06940 WP 011681419.1       VPSVAEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFS  155
consensus                                      !!!*!!!!!!!*!!!!!!!!!!!!!*!!!***!!!***!!!!!!!!!!!!!!!*!*****!!!*!**!!*!!**!***!!!

logo

NTDB id 1029410 AB4X21 RS02575 WP 155127073.1  QVGVKAVDDYTLQYTLKQPEPYWNSKTTNGILFPISTEFLKSKGDDFGQPNDVKSILANGPFLLKSITSKSSVVFEKNDN  240
NTDB id 475 HSISS4 RS07005 WP 021143809.1      NVGVKAIDDYTLQYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNEN  235
NTDB id 324 STU RS16140 WP 011226306.1         NVGVKAIDEYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEH  235
NTDB id 292 STER RS06940 WP 011681419.1       NVGVKAIDDYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEH  235
consensus                                      *!!!!!*!*!!!!!!!* !!**!!!!!!* *!*!****!!!*!!*!!!***!**!!!*!!!!!!!!*!*!!!****!!**

logo

NTDB id 1029410 AB4X21 RS02575 WP 155127073.1  YWDKKNVHLKEVKYTYYDGSDQDSLARGFSDGAYTKARLFPASSNFATVEKKYKDDIFTTPAGSGVAVLGFNLDRQSYKH  320
NTDB id 475 HSISS4 RS07005 WP 021143809.1      YWDKKNVHFDAIKLSYYDGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKF  315
NTDB id 324 STU RS16140 WP 011226306.1         YWDKKNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKY  315
NTDB id 292 STER RS06940 WP 011681419.1       YWDKKNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKY  315
consensus                                      !!!!!!!!****!**!!!!!!!**!*!!!*!!!!**!!**!*!!!***!!!!!!!*!**!**!******!*!*!!!!!!*

logo

NTDB id 1029410 AB4X21 RS02575 WP 155127073.1  TAKKSDAEKTATKKAILNKDFRQAITFALNRENYSAQVNGKEFAKPAIRNTYVAPAFVQVDGKDFGNVVADKLTTYGDQW  400
NTDB id 475 HSISS4 RS07005 WP 021143809.1      SAKKTDAEKTSTKKALLNKDFRQSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEW  395
NTDB id 324 STU RS16140 WP 011226306.1         TAKKTDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEW  395
NTDB id 292 STER RS06940 WP 011681419.1       TAKKTDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEW  395
consensus                                      *!!!*!  !!**!!!!*!!!!!!!!*!*!!**!**!**!*!!!**!****!!**!***!!****!*!!**!**!***!!!*!

logo

NTDB id 1029410 AB4X21 RS02575 WP 155127073.1  KGINLADGQDGLYNKDKAKAQLEKAKAELQKDGVQFPIHIDVPVAQNSTNFVSRMQSLKQTVEDTLGKDNVVLDLQMMDS  480
NTDB id 475 HSISS4 RS07005 WP 021143809.1      SGVNFTDGQDGLYNAEKAKTEFAKAKETLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSS  475
NTDB id 324 STU RS16140 WP 011226306.1         SGVNFADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSS  475
NTDB id 292 STER RS06940 WP 011681419.1       SGVNLADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSS  475
consensus                                      *!*!  *!  !!!!!!**!!!****!!!**!!*!!!!!!!!!*!*!!*!*!***!***!!!!!!*!**!!**!!!!*!*****!
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logo
NTDB id 1029410 AB4X21 RS02575 WP 155127073.1  DEVLNITLNVPSAADADWDLQGMVGWNPDYDDPSTYLDTLQPASEDQTKVYLGFAGGVDNPSAKAVGLDEFAKLLDDANN   560
NTDB id 475 HSISS4 RS07005 WP 021143809.1      DDIQNATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDDP.NNAAAAQVGLKDYDALLDSAAS   554
NTDB id 324 STU RS16140 WP 011226306.1         DDLENVTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDP.NNAAAAQVGLKDYDALLNSAAS   554
NTDB id 292 STER RS06940 WP 011681419.1        DDLENATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDP.NNAAAAQVGLKDYDALLNSAAS   554
consensus                                      !***!*!!!***!!**!!!****!*!*!!!*!!!!!!*****!***!!***!**** *!**!**!!!*****!! *!**

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NTDB id 1029410 AB4X21 RS02575 WP 155127073.1  ETQDVVKRYEKYAVAQAWLTDSAIVIPTMSSTGAATVVSKVVPFSEPSSQTGNKG..STYLKYVEVQDEPVTKKQYDEAL   638
NTDB id 475 HSISS4 RS07005 WP 021143809.1      ETTDLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSR   633
NTDB id 324 STU RS16140 WP 011226306.1         ETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSR   634
NTDB id 292 STER RS06940 WP 011681419.1        ETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSR   634
consensus                                      !!*!***!!**!!*!!!!!*!!**!!!*****!!!***!***!!***!*!*!*!*** *!*!!!**!***!!!!*!****

logo
NTDB id 1029410 AB4X21 RS02575 WP 155127073.1  KKWQKEKAESNKKAQQDLEKHVK   661
NTDB id 475 HSISS4 RS07005 WP 021143809.1      EKWLKEKKASNEKAQKDLEKHVK   656
NTDB id 324 STU RS16140 WP 011226306.1         EKWLKEKKESNEKAQKDLEKHVK   657
NTDB id 292 STER RS06940 WP 011681419.1        EKWLKEKKESNEKAQKDLEKHVK   657
consensus                                      *!!*!!!**!!*!!!*!!!!!!!
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X non conserved
X similar
X ≥ 50% conserved