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logo
NTDB id 98834 R8568 RS08820 WP 000742234.1  MKKNRVFATAGLVLLAAGVLAACSSSKSSDSSAPKAYGYVYTADPETLDYLISSKNSTTVVTSNGIDGLFTNDNYGNLAPAVAED   85
NTDB id 475 HSISS4 RS07005 WP 021143809.1  MKKSKWLALAGVALLSVGALAACSSKSS...TSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVAED   82
NTDB id 324 STU RS16140 WP 011226306.1     MKKSKWLALAGVALLGVGVLAACSSKSN...TSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAED   82
NTDB id 292 STER RS06940 WP 011681419.1    MKKSKWLALAGVALLGVGVLAACSSKSN...TSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAED   82
consensus                                  !!!****!*!!**!!**!*!!!!!!*     ****!!!!!*!!!!*!!!**!****!*****!!*!!!***!*!!!!*!*!!!!

logo
NTDB id 98834 R8568 RS08820 WP 000742234.1  WEVSKDGLTYTYKIRKGVKWFTSDGEEYAEVTAKDFVNGLKHAADKKSEAMYLAENSVKGLADYLSGTSTDFSTVGVKAVDDYTL  170
NTDB id 475 HSISS4 RS07005 WP 021143809.1  WSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVGVKAIDDYTL  167
NTDB id 324 STU RS16140 WP 011226306.1     WSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAIDEYTL  167
NTDB id 292 STER RS06940 WP 011681419.1    WSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAIDDYTL  167
consensus                                  !*!!*!!!!!!!!!!!!!*!!*!!*!!!!!*!!!!!!!*!!!!!!!*!****!!***!**!!*!!!!!***!!!*!!!!!*!*!!!

logo
NTDB id 98834 R8568 RS08820 WP 000742234.1  QYTLNQPEPFWNSKLTYSIFWPLNEFFETSKGSDFAKPTDPTSLLYNGPFLLKGLTAKSSVEFVKNEQYWDKENVHLDTINLAYY  255
NTDB id 475 HSISS4 RS07005 WP 021143809.1  QYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWDKKNVHFDAIKLSYY  252
NTDB id 324 STU RS16140 WP 011226306.1     QYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAIKFSYY  252
NTDB id 292 STER RS06940 WP 011681419.1    QYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAIKFSYY  252
consensus                                  !!!!**!!!*!!!!*!!****!*!!*!***!!*!!*!*!!!!!*!!!!!!!!!!*!!!!!!*!**!!!*!!!!*!!!*!*!* *!!

logo
NTDB id 98834 R8568 RS08820 WP 000742234.1  DGSDQESLERNFTSGAYSYARLYPTSSNYSKVAEEYKDNIYYTQSGSGIAGLGVNIDRQSYNYTSKTTDSEKVATKKALLNKDFR  340
NTDB id 475 HSISS4 RS07005 WP 021143809.1  DGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAKKTDAEKTSTKKALLNKDFR  337
NTDB id 324 STU RS16140 WP 011226306.1     DGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAKKTDSEKSSTKKALLNKDFR  337
NTDB id 292 STER RS06940 WP 011681419.1    DGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAKKTDSEKSSTKKALLNKDFR  337
consensus                                  !!!!!**!  !*!!*!!!  *!!**!!!!!!  *!***!!!!!*!!**!******!*!*!!!!!****!*!!*!!**!!!!!!!!!!

logo
NTDB id 98834 R8568 RS08820 WP 000742234.1  QALNFALDRSAYSAQINGKDGAALAVRNLFVKPDFVSAGEKTFGDLVAAQLPAYGDEWKGVNLADGQDGLFNADKAKAEFAKAKK  425
NTDB id 475 HSISS4 RS07005 WP 021143809.1  QSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFTDGQDGLYNAEKAKTEFAKAKE  422
NTDB id 324 STU RS16140 WP 011226306.1     QAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFADSQDGLYNAEKAKTEFAKAKD  422
NTDB id 292 STER RS06940 WP 011681419.1    QAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNLADSQDGLYNAEKAKTEFAKAKD  422
consensus                                  !**!!!*!!*!!**!*!!!!!! !**!!!!!!**!!!!!!*!!!!!!!******!!!!!*!!! *! !!!!*!!*!!!*!!!!!!*

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NTDB id 98834 R8568 RS08820 WP 000742234.1  ALEADGVQFPIHLDVPVDQASKNYISRIQSFKQSVETVLGVENVVVDIQQMTSDEFLNITYYAANASSEDWDVSGGVSWGPDYQD  510
NTDB id 475 HSISS4 RS07005 WP 021143809.1  TLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDDIQNATLNAANAAAEDWDISNGVIWGPDYQD  507
NTDB id 324 STU RS16140 WP 011226306.1     ALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDDLENVTLNAANAAAEDWDISNSVAWAPDYQD  507
NTDB id 292 STER RS06940 WP 011681419.1    ALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDDLENATLNAANAAAEDWDISNSVGWAPDYQD  507
consensus                                  *!*!!!!!!!!!!!!!*!!*!*!!******!!*!!**!**!!**!!!*!**!**!!***!*!**!!!!**!!!!!*!* !*!*!!!!!
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logo
NTDB id 98834 R8568 RS08820 WP 000742234.1   PSTYLDILKTTSSETTKTYLGFDNPNSPSVVQVGLKEYDKLVDEAARETSDLNVRYEKYAAAQAWLTDSSLFIPAMASSGAAPVL   595
NTDB id 475 HSISS4 RS07005 WP 021143809.1    PSTYLDIFKTTSSENTKTFMGYDDPNNAAAAQVGLKDYDALLDSAASETTDLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVI   592
NTDB id 324 STU RS16140 WP 011226306.1       PSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAI   592
NTDB id 292 STER RS06940 WP 011681419.1      PSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVI   592
consensus                                    !!!!!!!*!!!!!!*!! **!*!*!!*****!!!!!*!!*!* *!!*!!*!!!*!!**!!*!!!!!*!!!!*!!*****!!!!**

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NTDB id 98834 R8568 RS08820 WP 000742234.1   SRIVPFTGASAQTGSKGS.DVYFKYLKLQDKVVTKEEYEKAREKWLKEKAESNEKAQKELASHVK   659
NTDB id 475 HSISS4 RS07005 WP 021143809.1    SRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWLKEKKASNEKAQKDLEKHVK   656
NTDB id 324 STU RS16140 WP 011226306.1       SRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK   657
NTDB id 292 STER RS06940 WP 011681419.1      SRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK   657
consensus                                    !!**!!!!!!*!*!*!*!***! !!*!*!*!!!!!*!!!**!!!!!!!!**!!!!!!!!*!**!!!
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X non conserved

X similar

X $\geq$ 50% conserved