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logo
NTDB id 97546 R8775 RS02015 WP 317681013.1  MKSSKLFALAGVTLLAATTLAACSGSGSSTKGEKTFSYIYETDPDNLNYLTTAKAATANITSNVVDGLLENDRYGNFVPSMAEDW   85
NTDB id 475 HSISS4 RS07005 WP 021143809.1   MKKSKWLALAGVALLSVGALAACSSKSS..TSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVAEDW   83
NTDB id 324 STU RS16140 WP 011226306.1      MKKSKWLALAGVALLGVGVLAACSSKSN..TSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAEDW   83
NTDB id 292 STER RS06940 WP 011681419.1     MKKSKWLALAGVALLGVGVLAACSSKSN..TSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAEDW   83
consensus                                   !!*!!**!!!!!*!!****!!!!!***   ****!**!*!**!!**!*!*!*****!*****!*!!!!*!*!*!!!*!!!!*!!!!

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NTDB id 97546 R8775 RS02015 WP 317681013.1  SVSKDGLTYTYTIRKDAKWYTSEGEEYAAVKAQDFVTGLKYAADKKSDALYLVQESIKGLDAYVKGEINDFSQVGIKALDEQTVQ  170
NTDB id 475 HSISS4 RS07005 WP 021143809.1   SVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVGVKAIDDYTLQ  168
NTDB id 324 STU RS16140 WP 011226306.1      SVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAIDEYTLQ  168
NTDB id 292 STER RS06940 WP 011681419.1     SVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAIDDYTLQ  168
consensus                                   !!!*!!!!!!!*!!!**!!!!!*!!!!!*!*!*!!!!!!!*!!!*!****!!!!*!!*!!**!**!***!!!*!!*!!*!**!*!

logo
NTDB id 97546 R8775 RS02015 WP 317681013.1  YTLNKPESFWNSKTTMGVLAPVNEEFLNSKGDDFAKATDPSSLLYNGPYLLKSIVTKSSVEFAKNPNYWDKDNVHIDKVKLSFWD  255
NTDB id 475 HSISS4 RS07005 WP 021143809.1   YTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWDKKNVHFDAIKLSYYD  253
NTDB id 324 STU RS16140 WP 011226306.1      YTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAIKFSYYD  253
NTDB id 292 STER RS06940 WP 011681419.1     YTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAIKFSYYD  253
consensus                                   !!!* !!**!!!!!!* *!*!!!!*!!**!!*!!*!!!!*!*!!!!!*!!!!***!!!*!**!!**!!!!*!!!*!**! !**!

logo
NTDB id 97546 R8775 RS02015 WP 317681013.1  GQDTSKPAENFKDGSLTAARLYPTSASFAELEKSMKDNIVYTQQDSITYLVGTNIDRQSYKYTSKTSDEQKASTKKALLNKDFRQ  340
NTDB id 475 HSISS4 RS07005 WP 021143809.1   GSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAKKTDAEKTSTKKALLNKDFRQ  338
NTDB id 324 STU RS16140 WP 011226306.1      GSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAKKTDSEKSSTKKALLNKDFRQ  338
NTDB id 292 STER RS06940 WP 011681419.1     GSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAKKTDSEKSSTKKALLNKDFRQ  338
consensus                                   !*!*******!*!!****!!**!!!******!!**!!!!*!!*****!***!*!*!!!!!!***!**!**!*!!!!!!!!!!!!!!

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NTDB id 97546 R8775 RS02015 WP 317681013.1  AIAFGFDRTAYASQLNGQTGASKILRNIFVPPTFVQADGKNFGDMVKEKLVTYGDEWKDVNLADSQDGLYNPEKAKAEFAKAKSA  425
NTDB id 475 HSISS4 RS07005 WP 021143809.1   SINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFTDGQDGLYNAEKAKTEFAKAKET  423
NTDB id 324 STU RS16140 WP 011226306.1      AINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFADSQDGLYNAEKAKTEFAKAKDA  423
NTDB id 292 STER RS06940 WP 011681419.1     AINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNLADSQDGLYNAEKAKTEFAKAKDA  423
consensus                                   *!*!**!! !!*!!*!!**!!****!!*!!!!**!!*!**!*!!!*!*!!***!!!!!**!! *!*!!!!!!*!!!!*!!!!!!**

logo
NTDB id 97546 R8775 RS02015 WP 317681013.1  LQAEGVTFPIHLDMPVDQTATTKVQRVQSMKQSLEATLGVDNVIIDIQQLQKDEVNNITYFAENAAGEDWDLSDNVGWGPDFADP  510
NTDB id 475 HSISS4 RS07005 WP 021143809.1   LQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDDIQNATLNAANAAAEDWDISNGVIWGPDYQDP  508
NTDB id 324 STU RS16140 WP 011226306.1      LQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDDLENVTLNAANAAAEDWDISNSVAWAPDYQDP  508
NTDB id 292 STER RS06940 WP 011681419.1     LQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDDLENATLNAANAAAEDWDISNSVGWAPDYQDP  508
consensus                                   !!!*!!*!!!!!!*!!*!*****!** !!*!!**!**!!**!!*!!**!!**!***!*!**!*!!!!*!!!!*!**!*!*!!**!!
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logo
NTDB id 97546 R8775 RS02015 WP 317681013.1   STYLDIIKPSVGESTKTYLGFDSGEDNVAAKKVGLYDYEKLVTEAGDETTDVAKRYDKYAAAQAWLTDSALIIPTTSRTG.RPIL   594
NTDB id 475 HSISS4 RS07005 WP 021143809.1    STYLDIFKTTSSENTKTFMGYDDPN.NAAAAQVGLKDYDALLDSAASETTDLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVI   592
NTDB id 324 STU RS16140 WP 011226306.1       STYLDIFKTTSSENTKAFMGYDDPN.NAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAI   592
NTDB id 292 STER RS06940 WP 011681419.1      STYLDIFKTTSSENTKAFMGYDDPN.NAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVI   592
consensus                                    !!!!!!*!****!*!! **!*!*** !*!!**!!!*!!**!***!**!!*!***!!!*!!*!!!!!*!!*!*!!*!***!**!**

logo
NTDB id 97546 R8775 RS02015 WP 317681013.1   SKMVPFTIPFALSGNKGTSEPVLYKYLELQDKAVTVDEYQKAQEKWMKEKEESNKKAQEDLAKHVK   660
NTDB id 475 HSISS4 RS07005 WP 021143809.1    SRLTPFTGASMQVGDKNS..SDYFKYVKPQEKVVTKKEYEQSREKWLKEKKASNEKAQKDLEKHVK   656
NTDB id 324 STU RS16140 WP 011226306.1       SRLTPFTGASLQVGDKNS.SNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK   657
NTDB id 292 STER RS06940 WP 011681419.1      SRLTPFTGASLQVGDKNS.SNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK   657
consensus                                    !***!!!******!*!** *****!!***!*!*!!**!!****!!!*!!!**!!*!!!*!!*!!!!
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X non conserved

X similar

X $\geq$ 50% conserved