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logo
NTDB id 121194 DK43 RS02115 WP 022525150.1  MKKSKIITLAALALLATGTLAACSSSKTGSGNKTFSYVYEQDPDNLNYLTTGKAATANLTSNVIDGLLENDRYGNLVPSVAKDWI   85
NTDB id 475 HSISS4 RS07005 WP 021143809.1  MKKSKWLALAGVALLSVGALAACSSKSSTS.GTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVAEDWS   84
NTDB id 324 STU RS16140 WP 011226306.1     MKKSKWLALAGVALLGVGVLAACSSKSNTS.GTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAEDWS   84
NTDB id 292 STER RS06940 WP 011681419.1    MKKSKWLALAGVALLGVGVLAACSSKSNTS.GTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAEDWS   84
consensus                                  !!!!!***!!**!!!**!*!!!!!****! **!**!!!**!!**!*!*!*****!*****!**!!!*!*!*!!!!!!!!!*!!*

logo
NTDB id 121194 DK43 RS02115 WP 022525150.1  VSKDGLTYTYTLRKGVKWYTSEGEEYAEVKAQDFVTGLKYAADNKSDAIYLVQDSVKGLDAYMKGENKDFSSVGIKAVDDYTVQY  170
NTDB id 475 HSISS4 RS07005 WP 021143809.1  VSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVGVKAIDDYTLQY  169
NTDB id 324 STU RS16140 WP 011226306.1     VSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAIDEYTLQY  169
NTDB id 292 STER RS06940 WP 011681419.1    VSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAIDDYTLQY  169
consensus                                  !!*!!!!!!!**!!!*!!!!!*!!!!!*!*!*!!!!!!!*!!!*!****!!!!!**!!**!**!*!!!!!*!!*!!*!*!!*!!

logo
NTDB id 121194 DK43 RS02115 WP 022525150.1  TLNRPESFWNSKTTMGVLAPVNAEFLKSKGNKFAQATDPSSLLYNGPYLLKSITAKSSVEFAKNPNYWDKKNVHIDNIKLSYYDG  255
NTDB id 475 HSISS4 RS07005 WP 021143809.1  TLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWDKKNVHFDAIKLSYYDG  254
NTDB id 324 STU RS16140 WP 011226306.1     TLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAIKFSYYDG  254
NTDB id 292 STER RS06940 WP 011681419.1    TLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAIKFSYYDG  254
consensus                                  !!**!!**!!!!!!* *!*!!!**!!!*!!**!***!!!*!*!!!!!*!!!!*!!!!!*!**!!**!!!!!!!!!*!*!! !!!!!

logo
NTDB id 121194 DK43 RS02115 WP 022525150.1  QDQDKLAKGFSDGSFTNAKVFPTSPSYASVSKKYKDNIVYTPQDATTYLVATNIDRQSYKHTSKTTDAQKTSTKKALLNKDFRQA  340
NTDB id 475 HSISS4 RS07005 WP 021143809.1  SDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAKKTDAEKTSTKKALLNKDFRQS  339
NTDB id 324 STU RS16140 WP 011226306.1     SDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAKKTDSEKSSTKKALLNKDFRQA  339
NTDB id 292 STER RS06940 WP 011681419.1    SDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAKKTDSEKSSTKKALLNKDFRQA  339
consensus                                  *!!**!**!!*!!****!*!*!!!**!*!!*!!!!!!!*!!***!*!*****!*!!!!!***!*!! *!*!!!!!!!!!!!!!!*

logo
NTDB id 121194 DK43 RS02115 WP 022525150.1  ITFAFDRTAYASQVNGKDGATKMLRNLFVPPTFVQTDDKSFGELVKEKLVSYDESWKDVNLNDAQDGLYNPTKAKEKLAKAKAAL  425
NTDB id 475 HSISS4 RS07005 WP 021143809.1  INFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFTDGQDGLYNAEKAKTEFAKAKETL  424
NTDB id 324 STU RS16140 WP 011226306.1     INFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFADSQDGLYNAEKAKTEFAKAKDAL  424
NTDB id 292 STER RS06940 WP 011681419.1    INFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNLADSQDGLYNAEKAKTEFAKAKDAL  424
consensus                                  !*!!*!! !!*!!*!!!!!!!****!!!!!!**!!***!!*!!*!!*!!**!!***!**!! *!*!!!!!!**!!!***!!!!**!

logo
NTDB id 121194 DK43 RS02115 WP 022525150.1  QADGVQFPIHIDMPVDQTATNKVQRVQSLKQSIEKNLGKENVVIDIQQMSKDDVNNITYFAESAAAEDWDLSDNVGWSPDFQDPS  510
NTDB id 475 HSISS4 RS07005 WP 021143809.1  QADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDDIQNATLNAANAAAEDWDISNGVIWGPDYQDPS  509
NTDB id 324 STU RS16140 WP 011226306.1     QADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDDLENVTLNAANAAAEDWDISNSVAWAPDYQDPS  509
NTDB id 292 STER RS06940 WP 011681419.1    QADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDDLENATLNAANAAAEDWDISNSVGWAPDYQDPS  509
consensus                                  !!!!!!!!!!!*!*!!*!*****!** !!!!!*!!**!!**!!!!!**!*!*!!**!*!**!**!!!!!!!!*!**!*!*!!*!!!!
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logo
NTDB id 121194 DK43 RS02115 WP 022525150.1  TYLDVIKPSSGESTKTYLGFDAGTNNAAAAQVGMNEYEKLLNEAEKETNNTNARYEKYAAAQAWLTDNALVIPTTTLTG.RPILS   594
NTDB id 475 HSISS4 RS07005 WP 021143809.1  TYLDIFKTTSSENTKTFMGYDDP.NNAAAAQVGLKDYDALLDSAASETTDLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVIS   593
NTDB id 324 STU RS16140 WP 011226306.1     TYLDIFKTTSSENTKAFMGYDDP.NNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAIS   593
NTDB id 292 STER RS06940 WP 011681419.1    TYLDIFKTTSSENTKAFMGYDDP.NNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVIS   593
consensus                                  !!!!**!**!*!*!! **!*!** !!!!!!!!!***!**!!**!**!!***! !!**!!*!!!!!*!**!!!!*!***!**!**!
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logo
NTDB id 121194 DK43 RS02115 WP 022525150.1  RTVPFTNPFAWSGNKGNSEIILYKYLELQDEPVTQDQYKKAMTKWNKERSKSNKKAQEELADHVK   659
NTDB id 475 HSISS4 RS07005 WP 021143809.1  RLTPFTGASMQVGDKN.S.SDYFKYVKPQEKVVTKKEYEQSREKWLKEKKASNEKAQKDLEKHVK   656
NTDB id 324 STU RS16140 WP 011226306.1     RLTPFTGASLQVGDKN.SSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK   657
NTDB id 292 STER RS06940 WP 011681419.1    RLTPFTGASLQVGDKN.SSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK   657
consensus                                  !**!!!******!*!* !*****!!***!***!!***!*****!!*!!***!!*!!!**!**!!!
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X non conserved
X similar
X ≥ 50% conserved