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logo
NTDB id 1120151 EL100 RS01665 WP 126403802.1  MKVNKRFVLAGVSLASALLLTACGGGSS.NQSTYSYIYSTDPNTLDYIASTRTTTSDITSNLVDGLLENDKYGNLIPSLA   79
NTDB id 475 HSISS4 RS07005 WP 021143809.1     MKKSKWLALAGVALLSVGALAACSSKSSTSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVA   80
NTDB id 324 STU RS16140 WP 011226306.1        MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVA   80
NTDB id 292 STER RS06940 WP 011681419.1       MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVA   80
consensus                                     !!**!***!!!!*!* ***!*!!***! ****!!*!*!**!!**!!!!*!****!*****!*!!!!*!*!!!!!!*!!*!

logo
NTDB id 1120151 EL100 RS01665 WP 126403802.1  EDWTVSEDGLVYTYKLRKDAKWYTSEGEEYGAVTAHDFVTGIKHAVESKSEGLFLIQNSIKGLDAYAKGETTDFKTVGVK  159
NTDB id 475 HSISS4 RS07005 WP 021143809.1     EDWSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVGVK  160
NTDB id 324 STU RS16140 WP 011226306.1        EDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVK  160
NTDB id 292 STER RS06940 WP 011681419.1       EDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVK  160
consensus                                     !!!*!!*!!!*!!!!*!!**!!!!!*!!!!**!!!*!!!!!*!!!***!*****!*!*!!*!!**!**!***!!**!!!!

logo
NTDB id 1120151 EL100 RS01665 WP 126403802.1  ALDDYTVQYTLERPESFWNSKTTSGVLFPVNAAFLESQGKDFGS.LKPSSILYNGPYYLKNLTSKSQIELVKNKEYYDEK  238
NTDB id 475 HSISS4 RS07005 WP 021143809.1     AIDDYTLQYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWDKK  240
NTDB id 324 STU RS16140 WP 011226306.1        AIDEYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKK  240
NTDB id 292 STER RS06940 WP 011681419.1       AIDDYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKK  240
consensus                                     !*!*!!*!!!!**!!**!!!!!!* *!*!!!**!!***!!!!!****!*!!!!!!!**!!*!!*!!*!!!*!!**!*!*!

logo
NTDB id 1120151 EL100 RS01665 WP 126403802.1  NVHIDNVKLTYNDGSDPESVIKKFENGQYSFATVMPNSSTYKSVKKKFGDNIVYGVQYGTSYYLGFNIDRQKYNHTAKTT  318
NTDB id 475 HSISS4 RS07005 WP 021143809.1     NVHFDAIKLSYYDGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAKKT  320
NTDB id 324 STU RS16140 WP 011226306.1        NVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAKKT  320
NTDB id 292 STER RS06940 WP 011681419.1       NVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAKKT  320
consensus                                     !!!*!**! *!*!!!!*******!**!*! *!*!*!*!!*!*!!*!!**!!!*!**********!*!*!!!*!***!!*!

logo
NTDB id 1120151 EL100 RS01665 WP 126403802.1  DAQKSSTKQAILNKDFRQAVNFAFDREAYAAQTSGADAATKILRNTLVPPTFVQVNGEEFGKVVEKQLVTYGDEWKDVNL  398
NTDB id 475 HSISS4 RS07005 WP 021143809.1     DAEKTSTKKALLNKDFRQSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNF  400
NTDB id 324 STU RS16140 WP 011226306.1        DSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNF  400
NTDB id 292 STER RS06940 WP 011681419.1       DSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNL  400
consensus                                     ! *!*!!!*!*!!!!!!!!**!!!*!!*!!**!**!*!*!****!!**!!**!!******!!!!!**!!*!!!!!!**!!

logo
NTDB id 1120151 EL100 RS01665 WP 126403802.1  DDAQTTLYNQEKAKAEFAKAKEQLQKEGVQFPIHLDYVVSQTDNSQVQQASSFKQSVEAVLGADNVVVDIQKLSDDDFNN  478
NTDB id 475 HSISS4 RS07005 WP 021143809.1     TDGQDGLYNAEKAKTEFAKAKETLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDDIQN  480
NTDB id 324 STU RS16140 WP 011226306.1        ADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDDLEN  480
NTDB id 292 STER RS06940 WP 011681419.1       ADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDDLEN  480
consensus                                     *!*!**!!!*!!!!*!!!!!!**!!**!!!!!!!!!**!*!*****!*!**!*!!**!**!!**!!!*!***!!*!!**!
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logo

NTDB id 1120151 EL100 RS01665 WP 126403802.1  ITYFTDTAAEKDYDLAG.GGWVPDYQDPSTYLESLSPVNGSV.FYYLGVDAGSNSPAISAVDFGKYAELLKDANAEVSDQ   556
NTDB id 475 HSISS4 RS07005 WP 021143809.1     ATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDD.PNNAAAAQVGLKDYDALLDSAASETTDL   559
NTDB id 324 STU RS16140 WP 011226306.1        VTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDD.PNNAAAAQVGLKDYDALLNSAASETSDL   559
NTDB id 292 STER RS06940 WP 011681419.1       ATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDD.PNNAAAAQVGLKDYDALLNSAASETSDL   559
consensus                                     *!*****!!**!*!******!*!!!!!!!!!!!!***************!*!* *!**!***!****!**!!**!**!**!*

logo

NTDB id 1120151 EL100 RS01665 WP 126403802.1  AVRYEKYAAAQAWLTDSSLILPT.VSNGGTPMLQRTVPYSRAASWVGTKGTGT.NYKYLELSEEVIKTKDYDASKEKWLK   634
NTDB id 475 HSISS4 RS07005 WP 021143809.1     NARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWLK   638
NTDB id 324 STU RS16140 WP 011226306.1        NVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLK   639
NTDB id 292 STER RS06940 WP 011681419.1       NVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLK   639
consensus                                     **!!**!!*!!!!!*!!!!**!**!*!!**!***!**!***!***!!*!*******!!****!*!***!*!**!*!!!!!

logo

NTDB id 1120151 EL100 RS01665 WP 126403802.1  EKAESNKKAQEELKNHIESK   654
NTDB id 475 HSISS4 RS07005 WP 021143809.1     EKKASNEKAQKDLEKHVK..   656
NTDB id 324 STU RS16140 WP 011226306.1        EKKESNEKAQKDLEKHVK..   657
NTDB id 292 STER RS06940 WP 011681419.1       EKKESNEKAQKDLEKHVK..   657
consensus                                     !!**!!*!!!**!**!**
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X non conserved

X similar

X $\geq$ 50% conserved