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logo
NTDB id 1127983 FGL23 RS08465 WP 045634047.1   MKKGKNLALAGVALLATGVLAACSNSTSNSSNSSSSGADQAFNYIYEVDPENLNYLISSKAATTDLTANLIDGLLENDNY   80
NTDB id 475 HSISS4 RS07005 WP 021143809.1      MKKSKWLALAGVALLSVGALAACSSKSST........SGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKY   72
NTDB id 324 STU RS16140 WP 011226306.1         MKKSKWLALAGVALLGVGVLAACSSKSNT........SGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKY   72
NTDB id 292 STER RS06940 WP 011681419.1        MKKSKWLALAGVALLGVGVLAACSSKSNT........SGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKY   72
consensus                                      !!!*!*!!!!!!!!**!*!!!!!*** *         ******!*!**!!!*!*!**!****!*****!**!!!*!*!*!

logo
NTDB id 1127983 FGL23 RS08465 WP 045634047.1   GNLVPSMAEDWTVSKDGLTYTYTLRKDAKWYTSDGEEYADVKAQDFVAGLKYAADNKSETLYLVQSSIKGLDDYVNGKTK   160
NTDB id 475 HSISS4 RS07005 WP 021143809.1      GNLVPSVAEDWSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANK   152
NTDB id 324 STU RS16140 WP 011226306.1         GNLVPSVAEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNK   152
NTDB id 292 STER RS06940 WP 011681419.1        GNLVPSVAEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNK   152
consensus                                      !!!!!!*!!!!*!!*!!!!!!!**!!**!!!!!*!!!!! !*!*!!!*!!!*!!!*!****!!!!*!!*!!*!!**!**!

logo
NTDB id 1127983 FGL23 RS08465 WP 045634047.1   DFSSVGVKAVDDHTVQYTLNEPESFWNSKTTMGILYPVNEEFLKSKGDKFAQSADPTSLLYNGPFLLKSITSKSSIEFAK   240
NTDB id 475 HSISS4 RS07005 WP 021143809.1      DFSNVGVKAIDDYTLQYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTK   232
NTDB id 324 STU RS16140 WP 011226306.1         DFSNVGVKAIDEYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVK   232
NTDB id 292 STER RS06940 WP 011681419.1        DFSNVGVKAIDDYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVK   232
consensus                                      !!!*!!!!!*!**!*!!!!**!!**!!!!!!* *!*!!!!*!!!*!!**!**!*!!!!*!!!!!!!!!!*!*!!!!!**!

logo
NTDB id 1127983 FGL23 RS08465 WP 045634047.1   NPNYWDKDNVHVSDVKLTYFDGQDQGKPAEQFAKGALSAARLAPTSATFSKVEKEFKDNIVYTPQDSSSYLVGVNIDRQT   320
NTDB id 475 HSISS4 RS07005 WP 021143809.1      NENYWDKKNVHFDAIKLSYYDGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQS   312
NTDB id 324 STU RS16140 WP 011226306.1         NEHYWDKKNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQS   312
NTDB id 292 STER RS06940 WP 011681419.1        NEHYWDKKNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQS   312
consensus                                      !**!!!!*!!!****! *!*!!*!!******!**!!* *!!**!!!*** *!!!**!!!!*!!****!****!*!*!!!*

logo
NTDB id 1127983 FGL23 RS08465 WP 045634047.1   YNHTAKSSDAQKSSTKKALMNKDFRQALSFAFDRTAYASQVNGKEGATKMLRNLYIPPTFVQADGKSFGELVKEKVASYG   400
NTDB id 475 HSISS4 RS07005 WP 021143809.1      YKFSAKKTDAEKTSTKKALLNKDFRQSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYG   392
NTDB id 324 STU RS16140 WP 011226306.1         YKYTAKKTDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYG   392
NTDB id 292 STER RS06940 WP 011681419.1        YKYTAKKTDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYG   392
consensus                                      !***!!**! *!*!!!!!!*!!!!!!***!!*!! !!*!!*!!!*!!****!!!**!**!!*!**!*!!*!!*!!**!!!

logo
NTDB id 1127983 FGL23 RS08465 WP 045634047.1   DEWKDVNFDDAQDGLYNKEKAKAEFAKAKKALQEEGVEFPIHLDMPVDQTASAKVQRVQSLKQSIESSLGTDNVVVDIHQ   480
NTDB id 475 HSISS4 RS07005 WP 021143809.1      DEWSGVNFTDGQDGLYNAEKAKTEFAKAKETLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQ   472
NTDB id 324 STU RS16140 WP 011226306.1         DEWSGVNFADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQ   472
NTDB id 292 STER RS06940 WP 011681419.1        DEWSGVNLADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQ   472
consensus                                      !!!**!!**!*!!!!!!*!!!!*!!!!!!**!!**!!*!!!!!!*!!*!*!*****!** !!!!!*!!*!!!**!!!!*!**!
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logo

NTDB id 1127983 FGL23 RS08465 WP 045634047.1  MKTDDVLNITYYAASAAEEDWDISDNVGWSPDYQDPSTYLEIIKP.GGENTKTFLGFDGKENAAADQVGLKEYAKLVDEA   559
NTDB id 475 HSISS4 RS07005 WP 021143809.1     LSSDDIQNATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDDPNNAAAAQVGLKDYDALLDSA   552
NTDB id 324 STU RS16140 WP 011226306.1        LSSDDLENVTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSA   552
NTDB id 292 STER RS06940 WP 011681419.1       LSSDDLENATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSA   552
consensus                                     ***!!**!*!**!!*!!*!!!!!!**!*!*!!!!!!!!!!*!*!****!!!!  !*!*!***!!!!*!!!!!*!**!* *!

logo

NTDB id 1127983 FGL23 RS08465 WP 045634047.1  AAEKTDVNKRYEKYAAAQAWLTDSALLIPTTSRTG.RPVLTKIVPFTAPFAWSGAKGRDMVSYKYLKLQDKAVTAKEYQK   638
NTDB id 475 HSISS4 RS07005 WP 021143809.1     ASETTDLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQ   631
NTDB id 324 STU RS16140 WP 011226306.1        ASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQ   632
NTDB id 292 STER RS06940 WP 011681419.1       ASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQ   632
consensus                                     !*!**!*!*!!**!!*!!!!!*!!*!*!!*!***!**!******!!!******!*!*******!!*!*!*!*!!*!!!**

logo

NTDB id 1127983 FGL23 RS08465 WP 045634047.1  AQEKWNKERAESNKKAQEELEKHVK   663
NTDB id 475 HSISS4 RS07005 WP 021143809.1     SREKWLKEKKASNEKAQKDLEKHVK   656
NTDB id 324 STU RS16140 WP 011226306.1        SREKWLKEKKESNEKAQKDLEKHVK   657
NTDB id 292 STER RS06940 WP 011681419.1       SREKWLKEKKESNEKAQKDLEKHVK   657
consensus                                     **!!!*!!***!!*!!!**!!!!!!
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X non conserved

X similar

X $\geq$ 50% conserved