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logo
NTDB id 317193 D7D53 RS05720 WP 120770402.1  MKKSKAKYATLAGVVLSAGILLSAC.GNSSTASKTYNYVYVSDPSSLNYLAENRATTNDIVVNLVDGLMENDQYGNYIPS   79
NTDB id 475 HSISS4 RS07005 WP 021143809.1    ..MKKSKWLALAGVALLSVGALAACSSKSSTSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPS   78
NTDB id 324 STU RS16140 WP 011226306.1       ..MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPS   78
NTDB id 292 STER RS06940 WP 011681419.1      ..MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPS   78
consensus                                     **!*!***!!!!*!*****!*!!***!  !***!!*!!!*!!!**!*!***!***!***!*!*!!!!!!*!*!!!**!!

logo
NTDB id 317193 D7D53 RS05720 WP 120770402.1  LAEDWSVSKDGLTYTYKLRKDAKWYTADGDEYAPVTAQDFVTGLKYAADKKSEALYLVQESVAGLDDYITGKTTDFSTVG  159
NTDB id 475 HSISS4 RS07005 WP 021143809.1    VAEDWSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVG  158
NTDB id 324 STU RS16140 WP 011226306.1       VAEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVG  158
NTDB id 292 STER RS06940 WP 011681419.1      VAEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVG  158
consensus                                    *!!!!!!!*!!!!!!!!*!!**!!!!**!*!!!*!!!*!!!!!!!*!!!*!****!!!!*!*!!!*!!**!***!!!*!!

logo
NTDB id 317193 D7D53 RS05720 WP 120770402.1  VKALDDQTVQYTLTRPESYWNSKTTSTILFPVNADFLKSKGDDFGK.VDPSSILYNGPFLMKSFVSKSVIEFKKNPNYWD  238
NTDB id 475 HSISS4 RS07005 WP 021143809.1    VKAIDDYTLQYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWD  238
NTDB id 324 STU RS16140 WP 011226306.1       VKAIDEYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWD  238
NTDB id 292 STER RS06940 WP 011681419.1      VKAIDDYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWD  238
consensus                                    !!!*!**!*!!!!**!!*!!!!!!!***!*!!!*!!!!*!!*!!!!**!!*!!!!!!!!!*!!***!!*!!**!!**!!!

logo
NTDB id 317193 D7D53 RS05720 WP 120770402.1  AKNVFVDDVKLAYYDGSDQDALARNFVEGAYSYARLYPNSSSFEGIKEKNKDNIIYSLQDATSYFLNFNLDRKSYKFTSK  318
NTDB id 475 HSISS4 RS07005 WP 021143809.1    KKNVHFDAIKLSYYDGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAK  318
NTDB id 324 STU RS16140 WP 011226306.1       KKNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAK  318
NTDB id 292 STER RS06940 WP 011681419.1      KKNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAK  318
consensus                                    *!!!**!**!  *!!!!!!!*!!*!*!**!!!  *!!**!*!!*******!*!!!!*!****!*******!*!!*!!!***!

logo
NTDB id 317193 D7D53 RS05720 WP 120770402.1  TSDAEKKSTQEAVLNKNFRQAINFAYDRTAYGAQSQGEDGATKILRNLVVPPNFVSINGKDFGEVVASKMVNYGKEWQGI  398
NTDB id 475 HSISS4 RS07005 WP 021143809.1    KTDAEKTSTKKALLNKDFRQSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGV  398
NTDB id 324 STU RS16140 WP 011226306.1       KTDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGV  398
NTDB id 292 STER RS06940 WP 011681419.1      KTDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGV  398
consensus                                    **!  !!*!!**!***!!!*!!!!*!!  !!**!**!*!!!****!!!*!!**!!!***!*!!**!**!!**!!*!!*!*

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NTDB id 317193 D7D53 RS05720 WP 120770402.1  NFADAQDPYYNAEKAKAKFAEAKKELQAKGVQFPIHLDMTVDQAAKKGVQEANSMKQSIEAALGAENVVIDIQQLTTEDY  478
NTDB id 475 HSISS4 RS07005 WP 021143809.1    NFTDGQDGLYNAEKAKTEFAKAKETLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDDI  478
NTDB id 324 STU RS16140 WP 011226306.1       NFADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDDL  478
NTDB id 292 STER RS06940 WP 011681419.1      NLADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDDL  478
consensus                                    !**!*!!**!!!!!!!**!!*!!**!!!*!!!!!!!!!**!*!**!**!****!*!!*!!**!!**!!!!!**!!***!*
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logo

NTDB id 317193 D7D53 RS05720 WP 120770402.1  DNTSYLAQTAAQKDYDLYNG.GWGPDYQDPSTYLDVFNVNSGGLMQNLGLEPGEANDKAKAVGLDVYTQMLEEA.NKEQD  556
NTDB id 475 HSISS4 RS07005 WP 021143809.1    QNATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDDPNNAAAAQVGLKDYDALLDSAASETTD  558
NTDB id 324 STU RS16140 WP 011226306.1       ENVTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSD  558
NTDB id 292 STER RS06940 WP 011681419.1      ENATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSD  558
consensus                                    *!****!**!!**!*!**!  **!*!!!!!!!!!!!*!***!**************!**!**!!!**!***!**!*****!

logo

NTDB id 317193 D7D53 RS05720 WP 120770402.1  LAKRYEKYADIQAWLVDSALAIPNV.SKGGTPVLRKTVPFSEPYSLAGNKG..IESYKYLKVQDKTVTKEEYEKAKEKWL  633
NTDB id 475 HSISS4 RS07005 WP 021143809.1    LNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWL  637
NTDB id 324 STU RS16140 WP 011226306.1       LNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWL  638
NTDB id 292 STER RS06940 WP 011681419.1      LNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWL  638
consensus                                    !**!!**!!**!!!!*!!*!*!!*****!**!******!!*******!*!*******!!*!*!*!*!!!*!!!***!!!!

logo

NTDB id 317193 D7D53 RS05720 WP 120770402.1  KEKEESNKKAQEELAKHVK  652
NTDB id 475 HSISS4 RS07005 WP 021143809.1    KEKKASNEKAQKDLEKHVK  656
NTDB id 324 STU RS16140 WP 011226306.1       KEKKESNEKAQKDLEKHVK  657
NTDB id 292 STER RS06940 WP 011681419.1      KEKKESNEKAQKDLEKHVK  657
consensus                                    !!!**!!*!!!**!*!!!!
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X non conserved
X similar
X $\geq$ 50% conserved