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logo
NTDB id 400487 GJS32 RS08960 WP 014623464.1   MKKSKWLTTLGVAALSVSILAACGNSSSKSSESKIYSYVYSSDPSTLDYISTSKATTNEITTNAVDGLLENDQYGNLIPS   80
NTDB id 475 HSISS4 RS07005 WP 021143809.1     MKKSKWLALAGVALLSVGALAACSSKSST..SGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPS   78
NTDB id 324 STU RS16140 WP 011226306.1        MKKSKWLALAGVALLGVGVLAACSSKSNT..SGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPS   78
NTDB id 292 STER RS06940 WP 011681419.1       MKKSKWLALAGVALLGVGVLAACSSKSNT..SGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPS   78
consensus                                     !!!!!!!***!!!*! !**!!!!***! *  ****!*!!!*!!!**!!!!******!***!!*!!!!*!*!*!!!!*!!

logo
NTDB id 400487 GJS32 RS08960 WP 014623464.1   LAKDWKVSKDGLTYTYTLRDGIKWYTSDGEEYADVTAEDFVAGVKHAADVNSDALYIIQDSIKGLNDYLNGKTKDFSTVG   160
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 400487 GJS32 RS08960 WP 014623464.1   VKALDKKTVQYTLNQPESFWNSKLTYSVLAPVNADFLKSKGKDFGKATDPSSILYNGPFLITALTSKSSIELVKNENYWN   240
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 400487 GJS32 RS08960 WP 014623464.1   AKNVHLDGVQLTYYDGQDQESLFRNFDDGAYSAARLFPTTPSYKTVKKKYGDSITYGQQNATLYYAAFNLNRTSYNHTKK   320
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 400487 GJS32 RS08960 WP 014623464.1   TSDSQKSDTQKAILNKDFRQAMTFAFDRIAYQAQSAGEDAANKSLRSTLVPPTFVQIGNKNFGDVVEEHLVTYGSQWENV   400
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                                     **!**!**!*!!*!!!!!!!!***!!*!!*!!!*!**!*!*!****!***!!**!!**!*!*!!!!*!*!****!!**!**!

logo
NTDB id 400487 GJS32 RS08960 WP 014623464.1   NLDDAQDGLYNPEKAKASFEKAKAALQAEGVQFPIHLDYPMDQTATVLLQQARSMKQSIEKTLGTDNVVIDIIELQRDVY   480
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 400487 GJS32 RS08960 WP 014623464.1  ENISYLAETPAQNDWDISTASGWGPDYVDPSSYLDIFNPALANSQTKSIGLEPGKDLAIASAAGLDEFTKLVTEAGKITD  560
NTDB id 475 HSISS4 RS07005 WP 021143809.1    QNATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDDPN.NAAAAQVGLKDYDALLDSAASETT  557
NTDB id 324 STU RS16140 WP 011226306.1       ENVTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPN.NAAAAQVGLKDYDALLNSAASETS  557
NTDB id 292 STER RS06940 WP 011681419.1      ENATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPN.NAAAAQVGLKDYDALLNSAASETS  557
consensus                                    *!****!***!**!!!!!****!*!!!*!!!*!!!!!************!***** *!*!***!!*****!***!***!*

logo
NTDB id 400487 GJS32 RS08960 WP 014623464.1  DLNARYTLYAKAQAALTDSAIYIPT.ISLGGTPRVTKVVPFSGAFAWAGTKG..DTYYKYVKLQDKPVTAKQYDKALAEW  637
NTDB id 475 HSISS4 RS07005 WP 021143809.1    DLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKW  636
NTDB id 324 STU RS16140 WP 011226306.1       DLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKW  637
NTDB id 292 STER RS06940 WP 011681419.1      DLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKW  637
consensus                                    !!! !!**!!*!!!*!*!!***!!*****!**!******!!*!!****!*!*****!*!!!!*!*!*!!*!*!******!

logo
NTDB id 400487 GJS32 RS08960 WP 014623464.1  KKEKKKSNEKYNNSLEKHIEK  658
NTDB id 475 HSISS4 RS07005 WP 021143809.1    LKEKKASNEKAQKDLEKHVK.  656
NTDB id 324 STU RS16140 WP 011226306.1       LKEKKESNEKAQKDLEKHVK.  657
NTDB id 292 STER RS06940 WP 011681419.1      LKEKKESNEKAQKDLEKHVK.  657
consensus                                    *!!!!*!!!!****!!!!**
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X non conserved

X similar

X $\geq$ 50% conserved