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logo
NTDB id 352648 ES276 RS09265 WP 000842584.1  MKSSKLFALAGVTLLAATTLAACSGSGSSTKGEKTFSYIYETDPDNLNYLTTAKAATANITSNVVDGLLENDRYGNFVPS   80
NTDB id 475 HSISS4 RS07005 WP 021143809.1    MKKSKWLALAGVALLSVGALAACSSKSS..TSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPS   78
NTDB id 324 STU RS16140 WP 011226306.1       MKKSKWLALAGVALLGVGVLAACSSKSN..TSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPS   78
NTDB id 292 STER RS06940 WP 011681419.1     MKKSKWLALAGVALLGVGVLAACSSKSN..TSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPS   78
consensus                                    !!*!!**!!!!!*!!****!!!!!***   ****!**!*!**!!**!*!*!*****!*****!*!!!!*!*!*!!!*!!!

logo
NTDB id 352648 ES276 RS09265 WP 000842584.1  MAEDWSVSKDGLTYTYTIRKDAKWYTSEGEEYAAVKAQDFVTGLKYAADKKSDALYLVQESIKGLDAYVKGEIKDFSQVG  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 352648 ES276 RS09265 WP 000842584.1  IKALDEQTVQYTLNKPESFWNSKTTMGVLAPVNEEFLNSKGDDFAKATDPSSLLYNGPYLLKSIVTKSSVEFAKNPNYWD  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 352648 ES276 RS09265 WP 000842584.1  KDNVHVDKVKLSFWDGQDTSKPAENFKDGSLTAARLYPTSASFAELEKSMKDNIVYTQQDSITYLVGTNIDRQSYKYTSK  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 352648 ES276 RS09265 WP 000842584.1  TSDEQKASTKKALLNKDFRQAINFAIDRTAYQSQLNGKDGATLAYRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGV  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 352648 ES276 RS09265 WP 000842584.1  NLADSQDGLYNPEKAKAEFAKAKSALQAEGVQFPIHLDMPVDQTATTKVQRVQSMKQSLEATLGADNVIIDIQQLQKDEV  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 352648 ES276 RS09265 WP 000842584.1  NNITYFAENAAGEDWDLSDNVGWGPDFADPSTYLDIIKPSVGESTKTYLGFDSGEDNVAAKKVGLYDYEKLVTEAGDETT  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 352648 ES276 RS09265 WP 000842584.1  DVAKRYDKYAAAQAWLTDSALIIPTTSRTG.RPILSKMVPFTIPFALSGNKGTSEPVLYKYLELQDKAVTVDEYQKAQEK  639
NTDB id 475 HSISS4 RS07005 WP 021143809.1    DLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS..SDYFKYVKPQEKVVTKKEYEQSREK  635
NTDB id 324 STU RS16140 WP 011226306.1       DLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNS.SNDYIKYVKPQEKVVTKKEYEQSREK  636
NTDB id 292 STER RS06940 WP 011681419.1      DLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNS.SNDYIKYVKPQEKVVTKKEYEQSREK  636
consensus                                    !***!!!*!!*!!!!!*!!*!*!!*!***!**!**!***!!!******!*!** *****!!***!*!*!!**!!****!!

logo
NTDB id 352648 ES276 RS09265 WP 000842584.1  WMKEKEESNKKAQEDLAKHVK  660
NTDB id 475 HSISS4 RS07005 WP 021143809.1    WLKEKKASNEKAQKDLEKHVK  656
NTDB id 324 STU RS16140 WP 011226306.1       WLKEKKESNEKAQKDLEKHVK  657
NTDB id 292 STER RS06940 WP 011681419.1      WLKEKKESNEKAQKDLEKHVK  657
consensus                                    !*!!!**!!*!!!*!!*!!!!
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X non conserved

X similar

X $\geq$ 50% conserved