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NTDB id 96672 HSISS4 RS07000 WP 013990224.1  MKKSKWLALAGVSLLSVGVLVACSSKSNTSSNTYNYVYTADPETLDYLISNKGSTTDAVTNGVDGLLENDKYGNLVPSIA  80
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                                    !!!!!!!!!!!!*!! !!*!*!!!!!!*!*!**!!*!!!**!!!*!!!**!!*!*!** !!!!!!!!*!*!!!!!!!!!*!
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NTDB id 96672 HSISS4 RS07000 WP 013990224.1  KDWTVSADGLTYTYKLRKGVKWYTSDGEEYAEVTAKDFVTGLKHAADKKTESIYLAKDSVVGLADYFNGTDKDFSKVGVK 160
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                                    *!!*!!*!!!!!!!!*!!!*!!!!!*!!!!!*!!!!!!!!!!!!!!!!*!****!!**!!**!!*!!**!**!!!!*!!!!
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NTDB id 96672 HSISS4 RS07000 WP 013990224.1  ALDDYTLQYTLKQPEPYWNSKMTYSLFWPVNEEFLKSKGDSFGKSTDPSSILYNGPYILKSLTAKSSIELAKNENYWDKK 240
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                                    !*!*!!!!!!!!*!!!!!!!!!*!!*!**!!!!*!!!*!!**!!!!!!!*!!!!!!!**!!!!!!!!!!!!*!!!*!!!!!
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NTDB id 96672 HSISS4 RS07000 WP 013990224.1  NVHFDGIKLSFYDASDQESLVRNFTDGAYSQARLYPTSSNFNSVEKQYKDNIFYTQPSADIGGVGVNIDRQSYNHTSKKT 320
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                                    !!!!!*!! !*!!*!!!**!*!*!!!!!! *!!**!!!!!**!!!!*!!!!!*!!*!*!*****!*!*!!!!!*****!!!
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NTDB id 96672 HSISS4 RS07000 WP 013990224.1  DAEKDSTKKALLNKDFRQSVNFAIDRTAYSAQLNGEKGAALAVRNLLVKPDFVYAGDKSFGDLVTEKMPSYGDEWSGVNL 400
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                                    !  !!*!!!!!!!!!!!!!! *!!!!!! !!**!*!!**!! !**!!!*!**!!!*!!!!*!!!!!!!!!*!!!!!!!!!!
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NTDB id 96672 HSISS4 RS07000 WP 013990224.1  KDSQDGLFNADKAKTEFNKAKEALQAQGVQFPIHLDLPVDQAAKPTVARAQSLKQSVEKTLGKENVVVDVHQMSQDDLLN 480
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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NTDB id 96672 HSISS4 RS07000 WP 013990224.1   STLYAANAAAEDWDINISVAWAPDYEDPSTFLDIFKTTASENTKTYMGFDDPNNAAAAQVGLKDFDALVDNAAKETSDLN   560
NTDB id 475 HSISS4 RS07005 WP 021143809.1     ATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDDPNNAAAAQVGLKDYDALLDSAASETTDLN   560
NTDB id 324 STU RS16140 WP 011226306.1        VTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLN   560
NTDB id 292 STER RS06940 WP 011681419.1       ATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLN   560
consensus                                     *!!*!!!!!!!!!!!!***!*!*!!!*!!!!*!!!!!!!*!!!!! *!!*!!!!!!!!!!!!!!!!*!!!* *!!*!!*!!!
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NTDB id 96672 HSISS4 RS07000 WP 013990224.1   VRYERYAEAQAWLEDSSLFMPLMVNKGAAPMVARLTPFSGAYSQVGPKGS.DRYFKYLEPQKDVVTKKNYDKARESWLKE   639
NTDB id 475 HSISS4 RS07005 WP 021143809.1     ARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWLKE   639
NTDB id 324 STU RS16140 WP 011226306.1        VRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKE   640
NTDB id 292 STER RS06940 WP 011681419.1       VRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKE   640
consensus                                     *!!*!!!*!!!!!!!!!!!**!!*!**!!!!***!!!!!*!!**!!!*!*!***! !!**!!**!!!!!*!***!!*!!!!
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NTDB id 96672 HSISS4 RS07000 WP 013990224.1   KSKSNEKAQKDLEKHVK   656
NTDB id 475 HSISS4 RS07005 WP 021143809.1     KKASNEKAQKDLEKHVK   656
NTDB id 324 STU RS16140 WP 011226306.1        KKESNEKAQKDLEKHVK   657
NTDB id 292 STER RS06940 WP 011681419.1       KKESNEKAQKDLEKHVK   657
consensus                                     !**!!!!!!!!!!!!!!!
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X non conserved
X similar
X ≥ 50% conserved