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logo
NTDB id 1121513 EL133 RS01715 WP 006738892.1  MKNKGKWLVVAGISLVSVFALTSCSGHSSKNNTTKTFSYVYTSDPSTLDYILTSKATTSDVTTQGIDGLLENDKYGNLIP   80
NTDB id 475 HSISS4 RS07005 WP 021143809.1     .MKKSKWLALAGVALLSVGALAACSSKSSTS..GTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVP   77
NTDB id 324 STU RS16140 WP 011226306.1        .MKKSKWLALAGVALLGVGVLAACSSKSNTS..GTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVP   77
NTDB id 292 STER RS06940 WP 011681419.1       .MKKSKWLALAGVALLGVGVLAACSSKSNTS..GTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVP   77
consensus                                      **!*!!!**!!**!* !* !**!!**! **  **!**!!!*!!!**!!!!******!****!*!*!!!*!*!!!!!!*!

logo
NTDB id 1121513 EL133 RS01715 WP 006738892.1  SLAKTWTVSKDGLTYTYKLRDGIKWYTSDGEEYANVTAQDFVTGLKHAADKKSDSLYIVQDSVKGLQEYIDGKTNDFSTV  160
NTDB id 475 HSISS4 RS07005 WP 021143809.1     SVAEDWSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNV  157
NTDB id 324 STU RS16140 WP 011226306.1        SVAEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNV  157
NTDB id 292 STER RS06940 WP 011681419.1       SVAEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNV  157
consensus                                     !*!**!*!!*!!!!!!!!!*!*!*!!!!!*!!!!!*!!!*!!!!!!!!!!!*!****!*!!!!**!!**!**!***!!!*!

logo
NTDB id 1121513 EL133 RS01715 WP 006738892.1  GVKALDKKTVQYTLKQPESFWNSKLTYGILAPLNAEFLKSKGNDFGKSTDPSSILYNGAFLISALTGKSSIEFTKNKAYW  240
NTDB id 475 HSISS4 RS07005 WP 021143809.1     GVKAIDDYTLQYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYW  237
NTDB id 324 STU RS16140 WP 011226306.1        GVKAIDEYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYW  237
NTDB id 292 STER RS06940 WP 011681419.1       GVKAIDDYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYW  237
consensus                                     !!!!*!**!*!!!!!*!!**!!!!*!! *!*!*!**!!!*!!*!!!!!!!!!*!!!!!!*!!***!!*!!!!!* !!**!!

logo
NTDB id 1121513 EL133 RS01715 WP 006738892.1  DSKNVHIDNVQLTYYDGQDQESLFRNFDDGAYSVARLFPTTPSYKTAKKKYGKNITYGQLTGTTYYASFNLNRSSYNHTK  320
NTDB id 475 HSISS4 RS07005 WP 021143809.1     DKKNVHFDAIKLSYYDGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSA  317
NTDB id 324 STU RS16140 WP 011226306.1        DKKNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTA  317
NTDB id 292 STER RS06940 WP 011681419.1       DKKNVHFDAIKFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTA  317
consensus                                     !*!!!!*!*** *!!!!*!!**!*!*!*!!!! *!!**!!***!****!!!**!!*!******!*****!**!*!!****

logo
NTDB id 1121513 EL133 RS01715 WP 006738892.1  KTNDQQKRDTREAVLNKNFRQSIMFGFDRQKYQAQNVGQDASKIAIRNTLVPSSFVQIGDKTFDQEVEKQLSSYGDQWKN  400
NTDB id 475 HSISS4 RS07005 WP 021143809.1     KKTDAEKTSTKKALLNKDFRQSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSG  397
NTDB id 324 STU RS16140 WP 011226306.1        KKTDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSG  397
NTDB id 292 STER RS06940 WP 011681419.1       KKTDSEKSSTKKALLNKDFRQAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSG  397
consensus                                     !**!**!**!**!*!!!*!!! !*!**!!**!!*!**!*!******!!**!!!*!!**!!!!!***!****!!!!!*!**

logo
NTDB id 1121513 EL133 RS01715 WP 006738892.1  VKLEDGQDGLYNPQKAKQQLTKAKEELTAKGISFPIHLDLPVNQTDTLGIQQAQSMKQSIEASLGAENVQIDISQLQDDT  480
NTDB id 475 HSISS4 RS07005 WP 021143809.1     VNFTDGQDGLYNAEKAKTEFAKAKETLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDD  477
NTDB id 324 STU RS16140 WP 011226306.1        VNFADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDD  477
NTDB id 292 STER RS06940 WP 011681419.1       VNLADSQDGLYNAEKAKTEFAKAKDALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDD  477
consensus                                     !* *! !!!!!!**!!!****!!!**!*!*!**!!!!!!!!! !*******!*!!*!!*!!*!!!**!!*!!**!!**!*
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1121513 EL133 RS01715 WP 006738892.1  YQSITYLAETTNVQDWDISTASGWGADYEDPSSYLDIFNPDIPNSQTKNIGITPGQDKDIVKAAGFSDFANLVSDASLIR   560
NTDB id 475 HSISS4 RS07005 WP 021143809.1     IQNATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDDP.NNAAAAQVGLKDYDALLDSAASET   556
NTDB id 324 STU RS16140 WP 011226306.1        LENVTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDP.NNAAAAQVGLKDYDALLNSAASET   556
NTDB id 292 STER RS06940 WP 011681419.1       LENATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDP.NNAAAAQVGLKDYDALLNSAASET   556
consensus                                     * **!**!******!!!!!****!**!!*!!!*!!!!!************!**** ********!**!***!***!****

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1121513 EL133 RS01715 WP 006738892.1  DNVTKRYEAYAKAQAYLTDSAVYIPTI.ALGGSPRVSKVVPFTVPFSWSGDKG..ERVYKYVKLQEKPVTAKQYETAFKE   637
NTDB id 475 HSISS4 RS07005 WP 021143809.1     TDLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREK   635
NTDB id 324 STU RS16140 WP 011226306.1        SDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREK   636
NTDB id 292 STER RS06940 WP 011681419.1       SDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREK   636
consensus                                     *****!!**!!*!!!*!*!!***!!*****!**!**!***!!!******!!!*******!!!!*!!!*!!*!*!!*****

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1121513 EL133 RS01715 WP 006738892.1  WKKNKIKSNAKYMKSLSDHVEK   659
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