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logo
NTDB id 85723 STYK RS01620 WP 261805117.1  MKKSRVFVAAGIALLATGVLVACGNSKSSDSTAPKAYGYVYSADPETLDYLISGKQSTKVATSNGIDGLFTNDKYGNLTPAVAED   85
NTDB id 475 HSISS4 RS07005 WP 021143809.1  MKKSKWLALAGVALLSVGALAACSSKS...STSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVAED   82
NTDB id 324 STU RS16140 WP 011226306.1     MKKSKWLALAGVALLGVGVLAACSSKS...NTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAED   82
NTDB id 292 STER RS06940 WP 011681419.1    MKKSKWLALAGVALLGVGVLAACSSKS...NTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVAED   82
consensus                                  !!!!*****!!*!!!**!*!*!!****    !****!!!!!**!!!*!!!**!****!!* **!!*!!!***!!!!!!*!*!!!!

logo
NTDB id 85723 STYK RS01620 WP 261805117.1  WSVSKDGLTYTYKIRKGVKWMTSDGEEYAEVTAKDFVNGLKHAADKKSEALYLAETSVKGLSDYLTGNSKDFSTVGIKAVDDYTL  170
NTDB id 475 HSISS4 RS07005 WP 021143809.1  WSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVGVKAIDDYTL  167
NTDB id 324 STU RS16140 WP 011226306.1     WSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAIDEYTL  167
NTDB id 292 STER RS06940 WP 011681419.1    WSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAIDDYTL  167
consensus                                  !!!!*!!!!!!!!!!!!!*!!*!!*!!!!!*!!!!!!!*!!!!!!!*!****!!***!**!!!!!!*!**!!!!*!!*!!*!*!!!

logo
NTDB id 85723 STYK RS01620 WP 261805117.1  EYTLNQPEPYWNSKMAYSIFWPLNEEFEKSKGSDFAKATDPTSLLYNGPFLLKGLTAKSSIEFAKNEQYWDKENVHLDTVTLAYF  255
NTDB id 475 HSISS4 RS07005 WP 021143809.1  QYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWDKKNVHFDAIKLSYY  252
NTDB id 324 STU RS16140 WP 011226306.1     QYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAIKFSYY  252
NTDB id 292 STER RS06940 WP 011681419.1    QYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAIKFSYY  252
consensus                                  *!!!**!!!!!!!!**!****!*!!*!*!*!!*!!*!*!!!!!*!!!!!!!!!*!!!!!!!!**!!!*!!!!*!!!*!*** *!*

logo
NTDB id 85723 STYK RS01620 WP 261805117.1  DGSDQESLERNFTSGAYSFARLYPTSSNFSKVEESYKDNIFYTPSGAGVGGLGVNIDRQNYKYTSKTTDDEKTSTKKALLNKDFR  340
NTDB id 475 HSISS4 RS07005 WP 021143809.1  DGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAKKTDAEKTSTKKALLNKDFR  337
NTDB id 324 STU RS16140 WP 011226306.1     DGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAKKTDSEKSSTKKALLNKDFR  337
NTDB id 292 STER RS06940 WP 011681419.1    DGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAKKTDSEKSSTKKALLNKDFR  337
consensus                                  !!!!!**! !*!!*!!! *!!**!!!!!* *!!**!!!!!*!!**!!*****!*!*!!!*!!***!*!!*!!*!!!!!!!!!!!!

logo
NTDB id 85723 STYK RS01620 WP 261805117.1  QALNFAFDRTAYSAQVNGKEGAPLAVRNLFVKPDFVSAGEKTFGDLVAEKVTTYGDEWKNVNFADGQDGLFNADKAKAEFAKAKT  425
NTDB id 475 HSISS4 RS07005 WP 021143809.1  QSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFTDGQDGLYNAEKAKTEFAKAKE  422
NTDB id 324 STU RS16140 WP 011226306.1     QAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFADSQDGLYNAEKAKTEFAKAKD  422
NTDB id 292 STER RS06940 WP 011681419.1    QAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNLADSQDGLYNAEKAKTEFAKAKD  422
consensus                                  !**!!!*!!  !!**!*!!!*!!*!**!!!!!**!!!!!!*!!!!!!!*!!***!!!!!**!!**!  !!!!*!!*!!!*!!!!!!*

logo
NTDB id 85723 STYK RS01620 WP 261805117.1  ALEAEGVKFPIHLDVPVDQTSKNYIARIQSFKQSVEKVLGEANVVVDIQQISKDEFFNVTYYAANAAAEDWDLSGAVGWNPDYED  510
NTDB id 475 HSISS4 RS07005 WP 021143809.1  TLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDDIQNATLNAANAAAEDWDISNGVIWGPDYQD  507
NTDB id 324 STU RS16140 WP 011226306.1     ALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDDLENVTLNAANAAAEDWDISNSVAWAPDYQD  507
NTDB id 292 STER RS06940 WP 011681419.1    ALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDDLENATLNAANAAAEDWDISNSVGWAPDYQD  507
consensus                                  *!*!*!!*!!!!!!*!!*!*!!***!**!!*!!**!**!!**!!!*!**!*!*!***!  !**!!!!!!!!!!!*!**!*!*!!!!*!
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logo                                        PSTYLDIFKTTSSENTKTFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVI
                                                         L S N Q   AY   S   T K   M   K   DE GK   T   K A EK A   F L A MSS   A
NTDB id 85723 STYK RS01620 WP 261805117.1   PSTYLDILKSTNSEQTKTYMGYDDPSNAATAKVGMKDYDKLLDEAGKETSDLNKRYEKYAAAQAWLTDSSLFLPAMSSSGAAPFI   595
NTDB id 475 HSISS4 RS07005 WP 021143809.1   PSTYLDIFKTTSSENTKTFMGYDDPNNAAAAQVGLKDYDALLDSAASETTDLNARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVI   592
NTDB id 324 STU RS16140 WP 011226306.1      PSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAI   592
NTDB id 292 STER RS06940 WP 011681419.1    PSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVI   592
consensus                                   !!!!!!!*!*!*!!*!! *!!!!!!*!!!!*!*!!*!!!!*!! *!**!!*!!!*!!**!!*!!!!!*!!!!**!*****!!!!*!
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logo                                        SRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK
                                                VV  SASYMS   A DV  F   QL D   AD  A   A   V E T
NTDB id 85723 STYK RS01620 WP 261805117.1   SRWVPFSASYSQSGDKAS.DVYFKYVQLQDKVVTKADYEQAREKWLKEKKESNEKVQKELTKHVK   659
NTDB id 475 HSISS4 RS07005 WP 021143809.1   SRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWLKEKKASNEKAQKDLEKHVK   656
NTDB id 324 STU RS16140 WP 011226306.1      SRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK   657
NTDB id 292 STER RS06940 WP 011681419.1    SRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK   657
consensus                                   !!**!!*****!*!!!!*!***! !!!**!*!!!!!**!!!*!!!!!!!!!!*!!!!*!!*!*!!!!
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X non conserved

X similar

X $\geq$ 50% conserved