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logo
NTDB id 156022 RN80 RS05450 WP 060628026.1  MKK.RVFLAAGVAVLSAAVLVACSSGNGNKEATKQATKPVTYAYVFSLDPVTLDYTVSGNVSTKQITGNVIDGLLENDQYGNLVP   84
NTDB id 475 HSISS4 RS07005 WP 021143809.1  MKKSKWLALAGVALLSVGALAACSSKS........STSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVP   77
NTDB id 324 STU RS16140 WP 011226306.1     MKKSKWLALAGVALLGVGVLAACSSKS........NTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVP   77
NTDB id 292 STER RS06940 WP 011681419.1    MKKSKWLALAGVALLGVGVLAACSSKS........NTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVP   77
consensus                                  !!!******!!!!*!  ***!*!!!!**        *!***!!*!!***!!**!!!**!****!!****!**!!!*!*!*!!!!!!

logo
NTDB id 156022 RN80 RS05450 WP 060628026.1  SVAEDWTVSKDGLTYTYKIRQGVKWYTNEGEEYGEVKAQDFVTGLKHAADKKSQALYLVQDSIKGLDDYVNGKTTDFSTVGVKAT  169
NTDB id 475 HSISS4 RS07005 WP 021143809.1  SVAEDWSVSQDGLTYTYKIRKGVKWYTSDGEEYADVTAKDFVTGLKHAADGKAGALYLVQDSIAGLSDYLSGANKDFSNVGVKAI  162
NTDB id 324 STU RS16140 WP 011226306.1     SVAEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAI  162
NTDB id 292 STER RS06940 WP 011681419.1    SVAEDWSVSKDGLTYTYKIRKGIKWYTSEGEEYANVTAKDFVTGLKHAADSKAGGIYLVQDSIAGLSDYLSGTNKDFSNVGVKAI  162
consensus                                  !!!!!!*!!*!!!!!!!!!!*!*!!!!**!!!!**!*!*!!!!!!!!!!*!****!!!!!!!*!!*!!**!***!!!*!!!!!*

logo
NTDB id 156022 RN80 RS05450 WP 060628026.1  DDYTVVYTLNHPESFWNSKTTMGVLAPVSGDFLASKGDDFGKTTDVTSILYNGPYLLKGLTSKSSIEMTKNQNYWDKQNVFIDDI  254
NTDB id 475 HSISS4 RS07005 WP 021143809.1  DDYTLQYTLKKPEPYWNSKTTYGLLSPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELTKNENYWDKKNVHFDAI  247
NTDB id 324 STU RS16140 WP 011226306.1     DEYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAI  247
NTDB id 292 STER RS06940 WP 011681419.1    DDYTLQYTLKQPEPYWNSKTTYSLLFPVNEDFLKNKGKDFGKSTDPTSILYNGPFLLKSLTAKSSIELVKNEHYWDKKNVHFDAI  247
consensus                                  !*!!**!!!**!!**!!!!!!* *!*!!**!!!**!!*!!!!*!!*!!!!!!!!*!!!*!!*!!!!!* !!**!!!!*!!**!*!

logo
NTDB id 156022 RN80 RS05450 WP 060628026.1  KLSFFDGQDADSLGRGFDEGHYPAAPLFKNSANYERLKEKYKDNIVYGQQRGGVFYMSTNIDRVSYNHTAKTSDAEKSSTKKALL  339
NTDB id 475 HSISS4 RS07005 WP 021143809.1  KLSYYDGSDQEALERGFTDGAYSLARVYPTSSNYSSVEKKYKDNIYYTAPGASTSAIGVNIDRQSYKFSAKKTDAEKTSTKKALL  332
NTDB id 324 STU RS16140 WP 011226306.1     KFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIYYTAPGASTSAIGINLDRQSYKYTAKKTDSEKSSTKKALL  332
NTDB id 292 STER RS06940 WP 011681419.1    KFSYYDGSDQDALVRGFTDGAYNFARVFPTSSNYASVEKKYKDNIFYTAPGASTSAIGINIDRQSYKYTAKKTDSEKSSTKKALL  332
consensus                                  ! !**!!*!***!*!!!**!*!**!*****!*!!*****!!!!!!*!************!*!!*!!***!!**! !!*!!!!!!!

logo
NTDB id 156022 RN80 RS05450 WP 060628026.1  NKEFRQALAFAADRKAAVSQVFGDEVAPRKLRTSFTPPTFVQVGDQSFGQVTKTELDKLDNVWKDVSLDDAQDSLHNVDKAKAKF  424
NTDB id 475 HSISS4 RS07005 WP 021143809.1  NKDFRQSINFAIDRTAYQSQMNGKDGAALALRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFTDGQDGLYNAEKAKTEF  417
NTDB id 324 STU RS16140 WP 011226306.1     NKDFRQAINFAIDRKAYQSQINGKDGATLAVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNFADSQDGLYNAEKAKTEF  417
NTDB id 292 STER RS06940 WP 011681419.1    NKDFRQAINFAIDRKAYQSQINGKDGATLGVRNLFVPSDFVSAGDKTFGDLVTEKMSSYGDEWSGVNLADSQDGLYNAEKAKTEF  417
consensus                                  !!*!!!***!!*!!*!**!!**!***!****!**!*!**!!**!!**!!*************!**!* *!*!!*!*!**!!!**!

logo
NTDB id 156022 RN80 RS05450 WP 060628026.1  ESAKKTLQADGVQYPIHLDLPVSSTQTDFIHQAQSYKQSIEEALGSENVVVDIQQVSDDELGNMTVLATSNNNVDWDINVNSGWS  509
NTDB id 475 HSISS4 RS07005 WP 021143809.1  AKAKETLQADGVQFPIHLDLPVDQSSKINVAQAQSLKQTIEQSLGSDNVVIDVNQLSSDDIQNATLNAANAAAEDWDISNGVIWG  502
NTDB id 324 STU RS16140 WP 011226306.1     AKAKDALQADGVQFPIHLDLPVDQSSKLNVAQAQSLKQTIEKSLGSENVVIDINQLSSDDLENVTLNAANAAAEDWDISNSVAWA  502
NTDB id 292 STER RS06940 WP 011681419.1    AKAKDALQADGVQFPIHLDLPVNQSSKLNVAQVQSLKQTIEKSLGSENVVIDINQLSSDDLENATLNAANAAAEDWDISNSVGWA  502
consensus                                  **!!* !!!!!!!*!!!!!!!!!********!*!!*!!*!!**!!!*!!!!*!**!*!*!***!*!**!******!!!!*****!*
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logo
NTDB id 156022 RN80 RS05450 WP 060628026.1  PDYADPSTYLDVFDPTSGPSLLGSLGVAPGTDNQAIKTVGLDKYKGLIDDANSEKTDLQKRYSKYAKAQAWLTDSALVIPVHSDG   594
NTDB id 475 HSISS4 RS07005 WP 021143809.1   PDYQDPSTYLDIFKTTSSENTKTFMGYD.DPNNAAAAQVGLKDYDALLDSAASETTDLNARYDRYAQAQAWLEDSSLVIPLTVGN   586
NTDB id 324 STU RS16140 WP 011226306.1      PDYQDPSTYLDIFKTTSSENTKAFMGYD.DPNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGN   586
NTDB id 292 STER RS06940 WP 011681419.1     PDYQDPSTYLDIFKTTSSENTKAFMGYD.DPNNAAAAQVGLKDYDALLNSAASETSDLNVRYDRYAQAQAWLEDSSLVIPLTVGN   586
consensus                                   !!!*!!!!!!!*!**!!********!** ***!*!***!!!**!**!* *!*!!**!!**!!**!!*!!!!!*!!*!!!!*****

logo
NTDB id 156022 RN80 RS05450 WP 060628026.1  AQ.MLVTKKVLGSGADGWIGDKTG.DNSYKYLKLQDKIVTSKEMDEFRKKFADEKGKSNADYQKNLDRHIQD   664
NTDB id 475 HSISS4 RS07005 WP 021143809.1   GAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWLKEKKASNEKAQKDLEKHVK.   656
NTDB id 324 STU RS16140 WP 011226306.1      GAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK.   657
NTDB id 292 STER RS06940 WP 011681419.1     GAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKEKKESNEKAQKDLEKHVK.   657
consensus                                   **************!!****!!!*******!!*!*!*!*!!*!!****!*!***!!**!!***!!*!**!**
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X non conserved

X similar

X $\geq$ 50% conserved