```
logo
NTDB id 163437 ATM98 RS08730 WP 048692005.1   MSTIDKKKFQFVERDDFASETIDAPSYSYWKSVFRQFFKKKSTIFMLAVLVGILLMSFVYPMFSNFDYNDVSKVNDFTAR   80
NTDB id 477 HSISS4 RS06990 WP 021143810.1     MASIDKSKFQFVKRDDFASETIDAPAYSYWKSVMRQFFKKKSTTVMLGILIAIILMSFIYPMFSKFDFNDVSKVNDFSVR   80
NTDB id 326 STU RS16120 WP 002946409.1        MASIDKSKFQFVKRDDFASETIDAPSYSYWKSVMRQFFKKKSTVVMLGILITIILMSFIYPMFSKFDFNDVSKVNDFSLR   80
NTDB id 294 STER RS06920 WP 002946409.1       MASIDKSKFQFVKRDDFASETIDAPSYSYWKSVMRQFFKKKSTVVMLGILITIILMSFIYPMFSKFDFNDVSKVNDFSLR   80
consensus                                     !**!!!*!!!!!*!!!!!!!!!!!!!*!!!!!!!*!!!!!!!!!!**!!**!**!!!!!*!!!!!*!!*!!!!!!!!!!**!

logo
NTDB id 163437 ATM98 RS08730 WP 048692005.1   LNPPSAKAFFGTDNNGKSLFDGVWFGARNSIIISFIATLINVVIGVVIGGIWGVSKSIDRFMMEVYNVISNVPFMLIVIV   160
NTDB id 477 HSISS4 RS06990 WP 021143810.1     YVHPNAQYWFGTDSNGKSLFDSVWFGARNSILIAVIATFINVVIGLVVGAVWGISKTFDMIMMEIYNIISNIPALLVVIV   160
NTDB id 326 STU RS16120 WP 002946409.1        YVHPNAQYWFGTDGNGKSLFDSVWFGARNSILIAVIATFLNVIIGLLVGAVWGISKTFDMIMMEIYNIISNIPSLLVVIV   160
NTDB id 294 STER RS06920 WP 002946409.1       YVHPNAQYWFGTDGNGKSLFDSVWFGARNSILIAVIATFLNVIIGLLVGAVWGISKTFDMIMMEIYNIISNIPSLLVVIV   160
consensus                                     ***!*!***!!!!*!!!!!!!*!!!!!!!!!!*!**!!!**!!*!!***!**!!*!!!**!**!!!*!!*!!!!*!**!*!!!

logo
NTDB id 163437 ATM98 RS08730 WP 048692005.1   LTYSIGAGFWNLILAMTVTGWIGIAYSIRVQIMRYRDLEYNLASRTLGTPTLKIVTKNILPQLVSVIVTTTTQLLPAFIS   240
NTDB id 477 HSISS4 RS06990 WP 021143810.1     LTYSLGAGFWNMIFAMTVTGWIGIAYTIRIQIMRYRDLEYNLASRTLGTPTAKIVVKNIMPQLVSVIVTMASQLLPGFIS   240
NTDB id 326 STU RS16120 WP 002946409.1        LTYSLGAGFWNMIFAMTVTGWIGIAYTIRIQIMRYRDLEYNLASRNLGTPTAKIVIKNIMPQLVSVIVTMASQLLPGFIS   240
NTDB id 294 STER RS06920 WP 002946409.1       LTYSLGAGFWNMIFAMTVTGWIGIAYTIRIQIMRYRDLEYNLASRNLGTPTAKIVIKNIMPQLVSVIVTMASQLLPGFIS   240
consensus                                     !!!!*!!!!!!*!*!!!!!!!!!!!!!!*!!*!!!!!!!!!!!!!!!!  !!!!!*!!!*!!!*!!!!!!!!!***!!!!*!!!

logo
NTDB id 163437 ATM98 RS08730 WP 048692005.1   TEAFLSFFGLGLPITVPSLGRLISDYSQNVTTNAYLFWIPLTVLVLVSLSFYIVGQNLADASDPRTHR   308
NTDB id 477 HSISS4 RS06990 WP 021143810.1     YEAFLSYFGLGLPVTTPSLGRLISDYAQNVTVNAYLFWIPLTTLILVSLALFIVGQNLADASDPRTHR   308
NTDB id 326 STU RS16120 WP 002946409.1        YEAFLSYFGLGLPVTTPSLGRLISDYAQNVTVNAYLFWIPLTTLILVSLALFIVGQNLADASDPRTHR   308
NTDB id 294 STER RS06920 WP 002946409.1       YEAFLSYFGLGLPVTTPSLGRLISDYAQNVTVNAYLFWIPLTTLILVSLALFIVGQNLADASDPRTHR   308
consensus                                     *!!!!!*!!!!!!*!*!!!!!!!!!!*!!!!*!!!!!!!!!!*!*!!!!***!!!!!!!!!!!!!!!!
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X non conserved

X similar

X $\geq$ 50% conserved