```
logo
NTDB id 166323 AVT04 RS03915 WP 011226817.1  MTQERKKLVELKNVSLTFNKGKSNEVEAIDDVSFDIYEGEIFGLVGESGSGKTTIGRSVLKLSDIDSGTVTFSGNEISSL   80
NTDB id 479 HSISS4 RS06980 WP 021143812.1    ...MPEKLVEVKDVEISFGEGSKK.FVAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGH   76
NTDB id 296 STER RS06910 WP 011681415.1      ...MPEKLVEVKNVEISFGEGRKK.FVAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGY   76
NTDB id 328 STU RS16110 WP 002951426.1       ...MPEKLVEVKDVEISFGEGRKK.FVAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGY   76
consensus                                       ***!!!!*! !***!**!*** **!*****!*!**!!*!*!!!!!!!!!!!!!!!****!*!***!***!*!**!***

logo
NTDB id 166323 AVT04 RS03915 WP 011226817.1  .KGKDLHDFRKTDQMIFQDPQSSLNGRMKIRDIIAEGIDIHKLAKSKEEREAKVKELIDLVGLNEDHLSRYPHEFSGGQR  159
NTDB id 479 HSISS4 RS06980 WP 021143812.1    LSHSEKNDLIRRIQMIFQDPAASLNERATVDYILSEGLHNFHLYKDEEDRKAKIKKIIKEVGLLEEHLTRYPHEFSGGQR  156
NTDB id 296 STER RS06910 WP 011681415.1      LSHSEKNDLIRRIQMIFQDPAASLNERATVDYILSEGLYNFHLYKDEEERKAKIKEIIKEVGLLEEHLTRYPHEFSGGQR  156
NTDB id 328 STU RS16110 WP 002951426.1       LSHSEKNDLIRRIQMIFQDPAASLNERATVDYILSEGLYNFHLYKDEEERKAKIKEIIKEVGLLEEHLTRYPHEFSGGQR  156
consensus                                    *******!*****!!!!!!!**!!!*!*****!**!!*****!*!**!*!*!!*!**!**!!!*!*!!*!!!!!!!!!!!

logo
NTDB id 166323 AVT04 RS03915 WP 011226817.1  QRIGIARALAVNHHFIVADEPISALDVSIQAQVVNLMQKLQHEQGLTYLFIAHDLSMVKYISDRIGVMHWGKLLEVGPAD  239
NTDB id 479 HSISS4 RS06980 WP 021143812.1    QRIGIARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETE  236
NTDB id 296 STER RS06910 WP 011681415.1      QRIGIARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETE  236
NTDB id 328 STU RS16110 WP 002951426.1       QRIGIARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETE  236
consensus                                    !!!!!!!*!********!!!!!!!!!!!!**!!!*!!**!*!*!*!!!!!!!!!!!!!*!**!!!!!*!***!***!!****

logo
NTDB id 166323 AVT04 RS03915 WP 011226817.1  EIYHNPIHPYTKSLLSAIPEPDPERERKRQHLIYDSSIEN.DGENRQMYEIRPGHFVYATEAEAKNYKEEAKSN   312
NTDB id 479 HSISS4 RS06980 WP 021143812.1    ELYNNPIHPYTKSLLSAVPIPDPILERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKAEIETYRKEQSK.   309
NTDB id 296 STER RS06910 WP 011681415.1      ELYNNPIHPYTKSLLSAVPIPDPILERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKTEIETYRKEQSK.   309
NTDB id 328 STU RS16110 WP 002951426.1       ELYNNPIHPYTKSLLSAVPIPDPILERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKTEIETYRKEQSK.   309
consensus                                    !*!*!!!!!!!!!!!!!!!*!*!!!**!!!!!****!!**********!*!*!!!!!!**** !***!**!***
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X non conserved

X similar

X $\geq$ 50% conserved