```
logo
NTDB id 1036440 ACA346 RS07770 WP 274504176.1  MSESRKKLVELKNVSLTFNAGKKNEVKAIDNVSFDIYEGEVFGLVGESGSGKTTVGRTILKLYDYNAGDILFDGQSISK.   79
NTDB id 479 HSISS4 RS06980 WP 021143812.1      ...MPEKLVEVKDVEISFGEGSKKF.VAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGH   76
NTDB id 296 STER RS06910 WP 011681415.1        ...MPEKLVEVKNVEISFGEGRKKF.VAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGY   76
NTDB id 328 STU RS16110 WP 002951426.1         ...MPEKLVEVKDVEISFGEGRKKF.VAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGY   76
consensus                                         ***!!!!!*! !***!**!*!** *!**!**!*!**!!*!*!!!!!!!!!!!*!!*!**!*!***!*!*!!!**!***

logo
NTDB id 1036440 ACA346 RS07770 WP 274504176.1  LSGKDLKEFRKDAQMIFQDPQASLNGRMKIRDIVAEGLDIHGLTPSKEERDERVQHLLDLVGLNKDHLTRYPHEFSGGQR   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 1036440 ACA346 RS07770 WP 274504176.1  QRIGIARALAVRPKFIIADEPISALDVSIQAQVVNLMQKLQREQGLTYLFVAHDLSMVKYISDRIGVMHWGKMLEIGTSD   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 1036440 ACA346 RS07770 WP 274504176.1  AVYNDPIHPYTKSLLSAIPEPDPEFEKGRVHMEYDPSAE.LDGQERQMHEITPGHFVLATEEEAAAYRAERNK   311
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