```
logo
NTDB id 34409 SDEG RS09370 WP 003060110.1  MNDNRKKLVELKNVSLTFNKGKKNEVKAIDNVSFDIYEGEVFGLVGESGSGKTTVGRAILKLYDINEGEIIFNGETVS.HLKGKD   84
NTDB id 479 HSISS4 RS06980 WP 021143812.1  ...MPEKLVEVKDVEISFGEGSKKF.VAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGHLSHSE   81
NTDB id 296 STER RS06910 WP 011681415.1    ...MPEKLVEVKNVEISFGEGRKKF.VAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGYLSHSE   81
NTDB id 328 STU RS16110 WP 002951426.1     ...MPEKLVEVKDVEISFGEGRKKF.VAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIFDGKKINGYLSHSE   81
consensus                                     ***!!!!*! !***!**!*!** *!**!**!*!**!!*!*!!!!!!!!!!*!!!!**!*!***!!!!!*!******!****

logo
NTDB id 34409 SDEG RS09370 WP 003060110.1  LRTFRKDAQMIFQDPQASLNGRMKIRDIVAEGLDIHGLTASKAEREERVQELLDLVGLNKDHLTRYPHEFSGGQRQRIGIARALA   169
NTDB id 479 HSISS4 RS06980 WP 021143812.1  KNDLIRRIQMIFQDPAASLNERATVDYILSEGLHNFHLYKDEEDRKAKIKKIIKEVGLLEEHLTRYPHEFSGGQRQRIGIARSLV   166
NTDB id 296 STER RS06910 WP 011681415.1    KNDLIRRIQMIFQDPAASLNERATVDYILSEGLYNFHLYKDEEERKAKIKEIIKEVGLLEEHLTRYPHEFSGGQRQRIGIARSLV   166
NTDB id 328 STU RS16110 WP 002951426.1     KNDLIRRIQMIFQDPAASLNERATVDYILSEGLYNFHLYKDEEERKAKIKEIIKEVGLLEEHLTRYPHEFSGGQRQRIGIARSLV   166
consensus                                  ********!!!!!!!*!!!!*!*****!**!!!****!******!**********!!!***!!!!!!!!!!!!!!!!!!!!!*!*

logo
NTDB id 34409 SDEG RS09370 WP 003060110.1  VKPKFIIADEPISALDVSIQAQVVNLMQKLQHKRGLTYLFIAHDLSMVKYISDRIGVMHWGKMLEIGTSDDVYNHPIHPYTKSLL   254
NTDB id 479 HSISS4 RS06980 WP 021143812.1  MQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETEELYNNPIHPYTKSLL   251
NTDB id 296 STER RS06910 WP 011681415.1    MQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETEELYNNPIHPYTKSLL   251
NTDB id 328 STU RS16110 WP 002951426.1     MQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETEELYNNPIHPYTKSLL   251
consensus                                  **!***!!!!!!!!!!!!!**!!!*!!**!*!***!!!!!!!!!!!!!*!**!!!!!*!***!***!*******!!*!!!!!!!!!!

logo
NTDB id 34409 SDEG RS09370 WP 003060110.1  SAIPEPDPDKERQRVADVYDPSQEL.DGQERQMHEITPGHFVLATQEEADQYRREYH.   310
NTDB id 479 HSISS4 RS06980 WP 021143812.1  SAVPIPDPILERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKAEIETYRKEQSK   309
NTDB id 296 STER RS06910 WP 011681415.1    SAVPIPDPILERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKTEIETYRKEQSK   309
NTDB id 328 STU RS16110 WP 002951426.1     SAVPIPDPILERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKTEIETYRKEQSK   309
consensus                                  !!*!*!!!**!!**!**!!!!*!*********!*!**!!!!!*****!***!!*!***
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X non conserved

X similar

X $\geq$ 50% conserved