```
logo
NTDB id 109598 ACGHT2 RS01760 WP 058692739.1  MTENRKKLVELKNVSLTFNEGKKNEVKAIDNISFDIYEGEVFGLVGESGSGKTTVGRAILKLYDINKGEIDFDGETIS.H   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 109598 ACGHT2 RS01760 WP 058692739.1  LKGKELHEFRKNAQMIFQDPQASLNGRMKIRDIVAEGLDIHKLVSSKEERDQKVQDLLALVGLNKDHSTRYPHEFSGGQR   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 109598 ACGHT2 RS01760 WP 058692739.1  QRIGIARALAVEPKFIIADEPISALDVSIQAQVVNLMQKLQREQGLTYLFIAHDLSMVKYISDRIGVMHWGKMLEIGTSD   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 109598 ACGHT2 RS01760 WP 058692739.1  DVYNHPIHPYTKSLLTAIPEPDPESERNRIHEEYDPSVE.LDGQPREMREITPGHFVLCTEAEAEAYKKEL..   309
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