

logo

NTDB id 247977 C0687 RS05195 WP 012130756.1

NTDB id 479 HSISS4 RS06980 WP 021143812.1

NTDB id 328 STU RS16110 WP 002951426.1

NTDB id 296 STER RS06910 WP 011681415.1

consensus

MPEKLVKVEKDYELISFGEGRKKKFVAVHNANFFINRGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIIFDGKKINGYLSHS

MSEKLVKVEKDLISFGEGRKKKFVAVKNANFFINRGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIIFDGKKINGKKSRRK

MPEKLVKVEKDVVISFGEGRKKKFVAVHNANFFINRGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIIFDGKKINGHLSHS

MPEKLVKVEKDVVISFGEGRKKKFVAVHNANFFINRGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIIFDGKKINGYLSHS

MPEKLVKVEKNVEISFGEGRKKKFVAVHNANFFINRGETFSLVGESGSGKTTIGRAIIGLNDTSNGEIIIFDGKKINGYLSHS

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consensus

EKNDLIRRIQMIFQDPAASLNERATVDYILSEGLYNFHLKDEEERKAKIKKEIKEVGLLEEHLTRYPHFESSGGQRQRIG

ESSEIIRKIQMIFQDPAASLNERATVDYILSEGLYNFHLFENEEERIQQVKNIIEHVGLLSEHLTRYPHFESSGGQRQRIG

EKNDLIRRIQMIFQDPAASLNERATVDYILSEGLHNFHLYKDEEDRKAKIKKIIKEVGLLEEHLTRYPHFESSGGQRQRIG

EKNDLIRRIQMIFQDPAASLNERATVDYILSEGLYNFHLKDEEERKAKIKEIIKEVGLLEEHLTRYPHFESSGGQRQRIG

EKNDLIRRIQMIFQDPAASLNERATVDYILSEGLYNFHLKDEEERKAKIKEIIKEVGLLEEHLTRYPHFESSGGQRQRIG

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NTDB id 328 STU RS16110 WP 002951426.1

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consensus

IARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETEELYN

IARALVMQPDFVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGVIVEVAETEELFN

IARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETEELYN

IARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETEELYN

IARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVEVAETEELYN

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consensus

NPIHPYTKSLLSAVPIPDPIERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKTEIETRYKEQSK

NPIHPYTKSLLSAVPIPDPIERKKVLKVYDPDQHDYSVEKPEMVEIKPGHFVWANKTEVENYKKEL..

NPIHPYTKSLLSAVPIPDPIERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKAEIETRYKEQSK

NPIHPYTKSLLSAVPIPDPIERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKTEIETRYKEQSK

NPIHPYTKSLLSAVPIPDPIERKKVLKVYDPNQHDYSVDKPEMVEVRPGHFVWGNKTEIETRYKEQSK

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!*!!!!!!!!*!*!!!!!!!!*!*!*!*!*!*!*!*!*!*!

307

309

309

309

X

non conserved

X

similar

X

≥ 50% conserved