

logo

NTDB id 1366 NTHI RS01950 WP 011271972.1
NTDB id 391333 F9800 RS27935 WP 001013181.1
NTDB id 96 BSU 24730 NP 390353.1
consensus

MTSYALLHTQRVTAQNGEIFTISPDLWERNQQQQSLLRYFALPLKEENNRLWLGVDLSNLSACETIAFITGKPVPEPIL
MTSYALLHTQRVTAQNGEIFTISPDLWERNQQQQSLLRYFALPLKEENNRLWLGVDLSNLSACETIAFITGKPVPEPIL
.....
.....

80
0
0

logo

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NTDB id 96 BSU 24730 NP 390353.1
consensus

LESSQLKELLQQLTPHQMQVEEQVKFYQHETHFEQEDD
LESSQLKELLQQLTPHQMQVEEQVKFYQHETHFEQEDD
.....
.....
MNSIERVSNTEEA YRVO ASDI HIVPRRORVYVROFRIDKYL
EPGVTIFAKNLFKSLCLKKI LILLETADQAAIHLVGGAL
EPVIRLLNQIFESALQKNASDIHLETADQFQVRFRIDGVL
MNGIEIFANTILKEACRVQASDLHIVPRQKDVAVQLRIGKDL
MDSIEKVSKNLIEEAYLTKASDIHIVPRERDAITHFVRVDHAL

160
42
42

logo

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consensus

QTRRLI SKEE GYRLI SHEKELASMDIGERRKPNQNGSLYLKTTG QNVY RLSTLPT VYQ ESLVIR VCCQYSVQ SLSKLS
MPQQDME TEAEKTVRLLSALSKLIDRFQFQDESDELDFM HNEKTLLAHLNANITELPFAELG
LKKPCME TEAEKTVRLLSALSKLIDRFQFQDESDELDFM HNEKTLLAHLNANITELPFAELG
.....
.....
QPQPLISKIFANRIISRLKLLAKLDISENRLPQDRGFQKTTFSIDLDFRLSTLPTHWGEKIVLRAQQNKPVELSFAELG
MTRQCIEKEFGKLVSHFKFLASMDIGERRKPNQNGSLYLQIDG.QEVYLRSLSTLPTVYQESLVIRLHLQASVQ.PLSHLS
LKKRD MKKEECVRLISHFKFLSAMDIGERRKPNQNGSLTLKLE.GNVHLRMSTLPTINEESLVIRVMPQYNIP.SIDKLS

240
120
120

logo

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LFPSTQATLLSFLSY SQGLLYFTGPTGSGKTTTLY TLLQYLRKPTTRV TLEDPEERDDVLQVQINEKAGLTYSGL
MTEKQAQAFQRS KPHPMITV SISM AAVEVAKTHFDKHM ALA TLEDPEERDDVLQVQINEKAGLTYSGL
LKKPCME TEAEKTVRLLSALSKLIDRFQFQDESDELDFM HNEKTLLAHLNANITELPFAELG
.....
.....
MTENQQAFQRSLSQPQGLLIVTGTGSGKSSISLYTALQWLNT.PDKHIMTAEDPIEIELDGLIISQINPQIGLDFSRLL
LFPSTAALKLLSFLRYSSQGLLYFTGPTGSGKTTTMYALLEVIRKKTTRRIITLEDPEEKRSDDVLQVQINEKAGLTYSGL
LFPKTGATLLSFLKSHGMLIFTGPTGSGKTTTLYSLVQYAKKHFNRMIVTLEDPEVETRD EDVLQVQVNEKAGVYTSAGL

319
200
200

logo

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consensus

KAILRHDPDMLLGEIRDEETARAYRAASLGHVLTTLHTNDAKGAIYRLCOYGLTRQNEIEQSLLAVAAQRLVRLKCPK
RIFLQDM TVASIEYTSLSMSSRITSSYFLDFTRQNMHNTVLTITLTKA
LKKPCME TEAEKTVRLLSALSKLIDRFQFQDESDELDFM HNEKTLLAHLNANITELPFAELG
.....
.....
RAFLRQDPDIIMLGEIRDEESARIALRAAQGTGHLVLTSLHTNDASISRLQQLGIQHEIENSLLLVIQRLVLRKICPK
KAILRHDPDIILVGEIRDEETAKIARASLTGHLVMTLHTNDAKGAIIRFMDYGITRQIEQSLLAVAAQRLVRLKCPK
KAILRHDPDMIILGEIRDAETAETIAVRAAMTGHVLTSLHTRDAKGAIYRLLFEGINMNEIEQTVIATAAQRLVDLACPF

399
280
280

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CGNCSYVYRQRASVYELLYGQNLQCLQEANGYQVYQYETRSIRKGYALGYLTTNVVYVWVYKNS
ENGLINSCDHSYNYRQIGIQFHWKELKATKIK ECANIDFQNEEIGLEKYSQFDBDEEIVLVGHEKD
LKKPCME TEAEKTVRLLSALSKLIDRFQFQDESDELDFM HNEKTLLAHLNANITELPFAELG
.....
.....
CGGNLINSCHQGY.RGRIGVYQFLHWQQ.....NGYQT..DFENLRESGLEKVSQGITDEKEIERVLGKNS.
CRGKCSL..LCKSMRQVRQASVYELLYGYELKQALKEANGECVYKHELTLESSIRKGYALGFLEDVYV.....
CENGCSV.YCRQSRNTRRASVYELLYGKNLQCLIQEAKGNHANYQYQTLRQIIRKGYALGYLTTNNYDRWVYHEKD

464
347
356

X non conserved
X similar
X ≥ 50% conserved