

logo

NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 140355 KD35 RS22920 WP 001013201.1
NTDB id 96 BSU 24730 NP 390353.1
consensus

MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLSSGFFQSHELTEHLSSVFGLSCTSLNQYEYASLCQTLGLRDLITRH
MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLSSGFFQSHELTEHLSSVFGLSCTSLNQYEYASLCQTLGLRDLITRH
.....
.....

85
0
0

logo

NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 140355 KD35 RS22920 WP 001013201.1
NTDB id 96 BSU 24730 NP 390353.1
consensus

NALPLNRTSSTLILAVADPTNLQAEDDFRFATGLQVELVLADFRELTAAIRRLYGRSLGQEKSGLKEINQDELAGLVDIGEDEIE
NALPLNRTSSTLILAVADPTNLQAEDDFRFATGLQVELVLADFRELTAAIRRLYGRSLGQEKSGLKEINQDELAGLVDIGEDEIE
.....
.....

170
0
0

logo

NTDB id 1401 DSB67 RS12665 WP 010643259.1
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NTDB id 96 BSU 24730 NP 390353.1
consensus

NIEDLSQDESPVSRYINQILLDAVRKSGASDIHFEPYENMYRVRLRCDGILTEIQPPSHLSRRLSARIKILSKLDIAERRLPQDG
.....MNGIESFANMILKEACRVQASDLHIVPRQKDVVQLRTGKDLMTKYCTIEKEFGEKLVSHFKFLASMDIGERRKPQNG
.....MDSIEKVSKNLIEEAYLTKASDIHIVPRERDAIHFVRVDHALLKKRDMKKEECVRLISHFKFLSAMDIGERRKPQNG
* **** *! * !!!!!!***** ** *! ** !* * * ** *!*****! * *!*****!*

255
77
77

logo

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SLYLKLNQGVNYYLWVYVQESLVRLLQYSIQSSSLNKLSPFPSTKQTLSEFLRSHGMLYFTGPTGSGKTTLLSY
RTKQVDEDAHMLMNGKTLLVHDSANAALDLHGYSDKQAARYDAKHPQLITIMVSMAGVEY
RIKLLKNQDTAIDMRVSTLPTLTFGEKIVLRLIDSSSAALDINKLGYSDSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLST
SLYLQMDGQ.EVYLRSLTLPSTVYQESLVRLLHQLASI.QPLSHLSLFPSTAKKLLSFLRYSHGLLVFTGPTGSGKTTTMYALLEV
SLTLKLKEG.NVHLRMSLTLPNTINEESLVRVMPQYNI.PSIDKLSLFPKTCATLLSFLKSHSGMLIFTGPTGSGKTTTLYSLVQY
** !** * *!***** *!*****!*****!*****!*****!*****!*****!*****!*****!*****!

340
160
160

logo

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consensus

LRKKPTNRNVLTEDPVEKRNPDVLRQVNEKAGYTYSAGLKAILRHDPDVIWVGEIRDLETAELAIRASQTGHLVLTTLHTNDAR
AKHFEIRSIATTYDDGINIYIQPIIFGFAEARSFQQVMTLADAKVKVIALMSSRSIA
LNK.PEINISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLDTAETAIKASQTGHLVLTSLHTNSAA
IRKKKTRRIVTLEDPEKRNDDVLQIQINEKAGITYEAGLKAILRHDPDVLVGEIRDEETAKIAIRASLTGHLVMTTLHTNDAR
AKKHFNRNIVTLEDPVETRDEDLVQVQVNEKAGVTYSAGLKAILRHDPDMIILGEIRDAETAETIAVRAAMTGHVLTSLHTNRDAK
*! *!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!

424
245
245

logo

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consensus

GAIYRLSNMFGITSOEIEQSLAIAAQRLVLLCPFCRRPCTSVYRSLVQVRAVWYELLYGNLQCIQEQASRTVTYQO
ETVTFLEMVEMFNLASTVTLITADKAIEKYEENGQEPNLQKSHNTGINTTQTFQAEPDGCNEATHGYKECATIEHE
ETVIRLSNMGVESFNIASSLSLIIAQRLARKLCPYCRQPQEPNSQLQH..IGIA.NTEQIFQANPDGCNECTHGYSGRTGIYEV
GAILRFMGFGITRQIEEQSLAIAAQRLVELKCPFCRKRCST.LCKSMRQVRQASIVYELLYGYELKQ...AIKEANGECVTKHE
GAIYRLLEFGINMNEIEQTVIAIAAQRLVDLACPFCEGNCSSVYCRQSRNTRRASVYELLYGKNLQQ...CIQEAQGNHANYQYQ
*****! ** *! *!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!

506
326
327

logo

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NTDB id 96 BSU 24730 NP 390353.1
consensus



non conserved
 similar
 ≥ 50% conserved