

logo

NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 129548 BF31 RS13415 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 129548 BF31 RS13415 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
NTDB id 129548 BF31 RS13415 WP 001013201.1
NTDB id 96 BSU 24730 NP 390353.1
consensus

NIEDLSQDESPVSRVINQILLDAVRKSGASDIHFEPYENMYRVRLRCDGILTEIQPPSHLSRRLSARIKILSKLDIAERRLPQDG
.....MNGIESFANMILKEACRVQASDLHIVPRQKDVVQLRIGKDLMTKYCTIEKEFGEKLVSHFKFLASMDIGERRKPQNG
.....MDSIEKVSKNLIEEAYLTKASDIHIVPRERDAIHFVRVDHALLKKRDMKKEECVRLISHFKFLSAMDIGERRKPQNG
* **** *! * !!!!!!***** ** *! ** !* * * ** *!*****! * *!*****!*

255
77
77

logo

NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 129548 BF31 RS13415 WP 001013201.1
NTDB id 96 BSU 24730 NP 390353.1
consensus

SLYLKLNQGVYLRVSTLPTESLVIRLMPQYSISLSPSTKOTLSFLRYSHGMLYFTGPTGSGKTTLLSY
RTKQVDEDAIDMLLNGLNGKTLVHDSANAALDLHGYSDKQAARYDAKHPQLITIMVSMAGVEY
RIKLKLNQDTAIDMRVSTLPTLTFGEKIVLRLLDSSSAALDINKLGYSDSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLST
SLYLQMDGQ.EVYLRSLTLPSTVYQESLVIRLHLQASI.QPLSHLSLFPSTAKKLLSFLRYSHGLLVFTGPTGSGKTTTMYALLEV
SLTLKLKEG.NVHLRMSLTLPNTINEESLVIRVMPQYNI.PSIDKLSLFPKTGATLLSFLKSHSGMLIFTGPTGSGKTTTLYSLVQY
** !** * *!***** *!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!

340
160
160

logo

NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 129548 BF31 RS13415 WP 001013201.1
NTDB id 96 BSU 24730 NP 390353.1
consensus

LRKKPTNRNVLTEDPVEKRNPDVLQVQVNEKAGYTYSAGLKAILRHDPDVIWVGEIRDLETAEIAIRASQTGHLVLTTLHTNDAR
AKHFEIRSIATYDDGINIYIQPIIFGFAEARSFQQVMTLADAKVKVIALMSSRSIA
LNK.PEINISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLETAEIAIKASQTGHLVLTTLHTNSAA
IRKKKTRRIVTLEDPVEKRNDDVLQIQINEKAGITYEAGLKAILRHDPDVLVGEIRDEETAIAIRASLTGHLVMTTLHTNDAR
AKKHFNRNIVTLEDPVETRDEDLVQVQVNEKAGVTYSAGLKAILRHDPDMIILGEIRDAETAETIAVRAAMTGHVLTSLHTNRDAK
*! *!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!

424
245
245

logo

NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 129548 BF31 RS13415 WP 001013201.1
NTDB id 96 BSU 24730 NP 390353.1
consensus

GAIYRLSNMFGITSOEIEQSLAIAAQRLVLLCPFCRRPCTSVYRSLVQVRAVWYELLYGNLQCIQEQASRTVTYQO
ETVTFLEMVEMFNLASTVTLITADKAIEKYEKQEPNLSKSHNTGINTTQTFQAEPDGCNEATHGYKECATIEHE
ETVIRLSNMGVESFNIASSLSLIIAQRLARKLCPYCRQPQEPNSQLQH..IGIA.NTEQIFQANPDGCNECTHGYSGRTGIYEV
GAILRFMGFGITRQIEEQSLAIAAQRLVELKCPFCRKRCST.LCKSMRQVRQASIVYELLYGYELKQ...AIKEANGECVTYKHE
GAIYRLLEFGINMNEIEQTVIAIAAQRLVDLACPFCEGNCSSVYCRQSRNTRRASVYELLYGKNLQQ...CIQEAQGNHANYQYQ
*****! *! *****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!

506
326
327

logo

NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 129548 BF31 RS13415 WP 001013201.1
NTDB id 96 BSU 24730 NP 390353.1
consensus



- X non conserved
- X similar
- X $\geq 50\%$ conserved