

logo

NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 80207 L6487 RS21200 WP 001013193.1
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 80207 L6487 RS21200 WP 001013193.1
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 80207 L6487 RS21200 WP 001013193.1
NTDB id 96 BSU 24730 NP 390353.1
consensus

NIEDLSQDESPVSRVINQILLDAVRKGASDIHFEPYENMYRVRRLRCDGILTEIQPPSHLSRRLSARIKILSKLDIAERRLPQDG
.....MNGIESFANMILKEACRVQASDLHIVPRQKDVVQLRTGKDLMTKQCTIEKEFGEKLVSHFKFLASMDIGERRKPQNG
.....MDSIEKVSKNLIEEAYLTKASDIHIVPRERDAIHFVRVDHALLKKRDMKKEECVRLISHFKFLSAMDIGERRKPQNG
* **** *! * !!!!!!***** ** *! ** !* ** * ** *!*****! * !*****!*****

255
77
77

logo

NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 80207 L6487 RS21200 WP 001013193.1
NTDB id 96 BSU 24730 NP 390353.1
consensus

SLYLKLNQGVYLRSTLPTESLVIRLMPYQSIQSLSLFPSTKQTLSELRSHGMLYFTGPTGSGKTTLYTLLSY
RTKQVDEDAFHLMLNGTFEKTLVHDSANAALDLHGYSDKQAARYDAKHPQLITLMVSMAGVEY
RIKILKLNQDTAIDMRVSTLPTLTFGEKIVLRLLDSSSAALDINKLGYSDSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLST
SLYLQMDGQ.EVYLRSLSTLPTVYQESLVIRLHLQASI.QPLSHLSLFPSTAKKLLSFLRYSHGLLVFTGPTGSGKTTTMYALLEV
SLTLKLKEG.NVHLRMSLTPITNEESLVIRVMPQYNI.PSIDKLSLFPKTGATLLSFLKSHSGMLIFTGPTGSGKTTTLYSLVQY
** !** * *!***** *!*****!*****!*****!*****!*****!*****!*****!*****!*****!

340
160
160

logo

NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 80207 L6487 RS21200 WP 001013193.1
NTDB id 96 BSU 24730 NP 390353.1
consensus

LRKKPTNRNVLTEDPVEKRNPDVLQVQVNEKAGYTYSAGLKAILRHPDVLVGEIRDLETAEIAIRASQTGHLVLTTLHTNDAR
AKHFEIRSIATYDDGINIYIQPIIFGFAEARSFQQVMTLADAKVKVIALMSSRSIA
LNK.PEINISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLETAEIAIKASQTGHLVLTTLHTNSAA
IRKKKTRRIVTLEDPVEKRNDDVLQIQINEKAGITYEAGLKAILRHPDVLVGEIRDLETAEIAIRASLTGHLVMTTLHTNDAR
AKKHFNRNIVTLEDPVETRDEDLVQVQVNEKAGVTYSAGLKAILRHPDPMITLGEIRDAETAEIAVRAAMTGHVLTSLHTRDAK
*! *!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!

424
245
245

logo

NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 80207 L6487 RS21200 WP 001013193.1
NTDB id 96 BSU 24730 NP 390353.1
consensus

GAIYRLSNFGITSOEIEQSLAIAAQRLLVLLCPFCRRPCTSVYRSRQVRAVWYELLYGNLQCIQEASRTVTYQYO
ETVTLFDMVEMFNLASTVTLITADKAAYENGQEPNLQKSHNTGINTTQTFQAEPDGCNEATHGYKECATIEHE
ETVIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCRQPQEPNSQLQH..IGIA.NTEQIFQANPDGCNECTHGYSGRTGIYEV
GAILRFMDFGITRQIEEQSLAIAAQRLLVLLCPFCRRPCTSVYRSRQVRAVWYELLYGNLQCIQEAKGNHANYQY
GAIYRLLEFGINMNEIEQTVIAIAAQRLLVLLCPFCENGCSVYCRQSRNTRRASVYELLYGNLQCIQEAKGNHANYQY
*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!

506
326
327

logo

NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 80207 L6487 RS21200 WP 001013193.1
NTDB id 96 BSU 24730 NP 390353.1
consensus

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