

logo

NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 134132 BG06 RS19290 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 134132 BG06 RS19290 WP 001013193.1
NTDB id 96 BSU 24730 NP 390353.1
consensus

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

170
0
0

logo

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NTDB id 96 BSU 24730 NP 390353.1
consensus

NIEDLSQDESPVSRVINQILLDAVRKGASDIHFEPYENMYRVRLRCDGILIEIQPPSHLSRRLSARIKILSKLDIAERRLPQDG
.....MNGIESFANMILKEACRVQASDLHIVPRQKDVVQLRTGKDLMTKQCTIEKEFGEKLVSHFKFLASMDIGERRKPQNG
.....MDSIEKVSKNLIEEAYLTKASDIHIVPRERDAIHFVRVDHALLKKRDMKKEECVRLISHFKFLSAMDIGERRKPQNG
* **** *! * !!!!!!***** ** *! ** !* ** * ** *!*****! * !*****!*****!

255
77
77

logo

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SLYLKLNQGVYLRVSTLPTESLVRLLQYSISPSLHSLFPSTKQTLSEFLRSHGMLYFTGPTGSGKTTLLSY
RTKQVDEDAIDMLTNGKTLLVHDSANAALDLHGYSDKQAARYDAKHPQLITIMVSMAGVEY
RIKLKLNQDTAIDMRVSTLPTLTFGEKIVLRLLDSSSAALDINKLGYSDSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLST
SLYLQMDGQ.EVYLRRLSTLPTVYQESLVRHLQASI.QPLSHLSLFPSTAKKLLSFLRYSHGLLVFTGPTGSGKTTTMYALLEV
SLTLKLKEG.NVHLRMLSTLPTINEESLVRVMPQYNI.PSIDKLSLFPKTGATLLSFLKSHSGMLIFTGPTGSGKTTTLYSLVQY
** !** * *!***** *!*****!*****!*****!*****!*****!*****!*****!*****!*****!

340
160
160

logo

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LRKKPTNRNVLTEDPVEKRNPDVLQVQVNEKAGYTYSAGLKAILRHDPDVLVGEIRDLETAELAIRASQTGHLVLTTLHTNDAR
AKHFEIRSIATYDDGINIYIQPIIFGFAEARSFQQVMTLADAKVKVIALMSSRSIA
LNK.PEINISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLETAELAIRASQTGHLVLTTLHTNSAA
IRKKKTRRIVTLEDPVEKRNDDVLQIQINEKAGITYEAGLKAILRHDPDVLVGEIRDLETAELAIRASQTGHLVLTTLHTNDAR
AKKHFNRNIVTLEDPVETRDEDLVQVQVNEKAGVTYSAGLKAILRHDPDMIILGEIRDAETAELAVRAAMTGHVLVLTSLHTRDAK
*! **** * *****!*****!***** *****!*****!*****!*****!*****!*****!*****!*****!

424
245
245

logo

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consensus

GAIYRLSNMFGITSOEIEQSLAIAAQRLVLLCPFCRRPCTSVYRSLQVQVRAVWYELLYGNLQCLQEASRTVTYQYO
ETVTLFDMVEMFNLASTVTLITADKAAYENGQEPNLQKSHNTGINTTQTFQAEPDGCNEATHGYKECATIEHE
ETVIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCRQPQEPNSQLQH..IGIA.NTEQIFQANPDGCNECTHGYSGRTGIYEV
GAILRFMDFGITRQIEEQSLAIAAQRLVELKCPFCRKRCST.LCKSMRQVRQASIVYELLYGYELKQ...AIKEANGECVTYKHE
GAIYRLLEFGINMNEIEQTVIAIAAQRLVDLACPFCENGCSSVYCRQSRNTRRASVYELLYGKNLQQ...CIQEAKGNHANYQYQ
*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!

506
326
327

logo

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consensus



ⓧ non conserved
ⓧ similar
ⓧ ≥ 50% conserved