

[illegible]

T F K K E M P T T K E G | S Y L S S D L F K G V G K K T A Q N I V N T L G D S A I N K D H S V L Y K V S R S K K K Q K T L A G Q L S R N Q G S E Q I M I S L N Q
H F K K E I P T T K E A I Q L S S D L F K G V G K K T A Q N I V N T L G D S A I N K D H S V L Y K V S R S K K K Q K T L A G Q L S R N Q G S E Q I M I S L N Q

T F E K E M P Q T K E A I I S Y L S S D L F K G V G K K T A Q N I V N T L G D N A I N D I L D D H S V L E K V S G L S K K K Q K Q I A E Q I S A N Q E S E K I M I R L H D
H F K K E I P T T K E G I I Q Y L S S D L F E G I G K K T A E E I V K K L G D S A I N K I L A D A S V L Y D V P R L S K K K A D T L A G A L Q R H Q G L E Q I M I S L N Q

* * * * *

RNQVQVAPASQKEALQTALNSPVMLLTGGPGTGKTTVIRGIVELYGELHGVSLDYSDYVWVEDYPVLAAPTGRASKRMSESTGLPE
 AMDVNIAAATKATNSKMLLLTGGPGTGKTTVIRGIVELYAETHGLSLDYPDAKKDDAFIVLAAPTGRASKRLQESTGLE
 ANQVNYAASQKEALQTALINSKVMLLTGGPGTGKTTVIRGIVELYAEIHGLSLDYDDYVNDDYPVLAAPTGRASKRLQESTGLE
 RMDVQYAPASQKEALIKKALSSPMLLLTGGPGTGKTTVIRGIVELYGELHGVSLDPSAYKKDEAFPIVLAAPTGRASKRMSESTGLP

RLTEVYRQQEGSSVELAHQMKNGQLPNTLTQRTKDRSFRCQGSQIPTWEKWTSAVYVNGGYTMDIQVLAPMYRGKAGINRKLNL
 NLTEVYRQQDGSSIIELAHRMKLGKQKILDITQRFHDRSFINCQANQIPTVVEKVVTSAYVNGGYTMDIQVLAPMYRGKAGIKRNLN
 RLTDITYRQAEQGSSVELAHQMKNGLLPNNLTAPTDRSFIRCGSQIKEVVEKVVANALKKGYTAKDIQVLAPMYRGKAGINELNL

586
595

NTDB id 266815 RK67 RS10690 WP 001283312.1
NTDB id 355 BSU 27480 NP 390625.1
consensus



NTDB id 266815 RK67 RS10690 WP 001283312.1
NTDB id 355 BSU 27480 NP 390625.1
consensus



NTDB id 266815 RK67 RS10690 WP 001283312.1
NTDB id 355 BSU 27480 NP 390625.1
consensus



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