

MLQELSYKNFAI|SSLLTVSFQRMGLTVLTGETGAGKSI|DAMSGLLTGGRGSSDYRYRQENKCTLEGLFSMPSSQPVLVKLEEQGL  
MLAELSIKNFAIIEELTVSFERGLTVLTGETGAGKSIIDAISLLVGGRSSDFVRYGEAKLEGLFLLESGHPVLVGCARQGI

85  
85[illegible]

170  
170

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

255  
254

[illegible]

340  
339

[illegible]

410  
424

495  
509

VAAVADTHLYEKEELVDGRTTTSVRPLSKQERVNEIARMLAGSEVTKLTKRHAQELLKQAQKQ  
 VAAMADTHLYIAKELKDGRITTRVKPLSKQEKAIEIGRMIAAGVEVTDLTKRHAQELLKQADQVKTTG

557  
576

 non conserved  
 similar  
  $\geq 50\%$  conserved