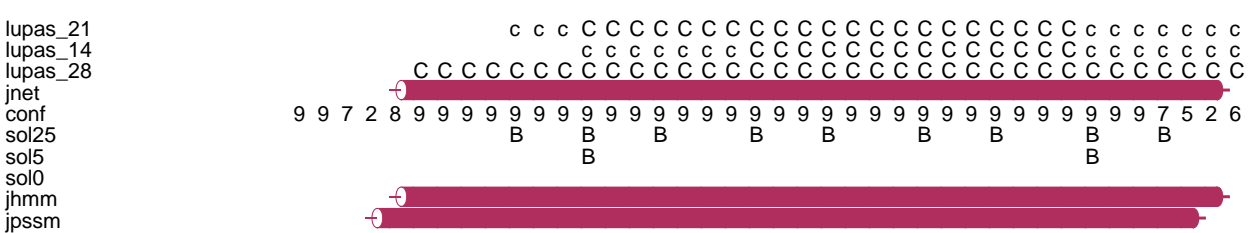
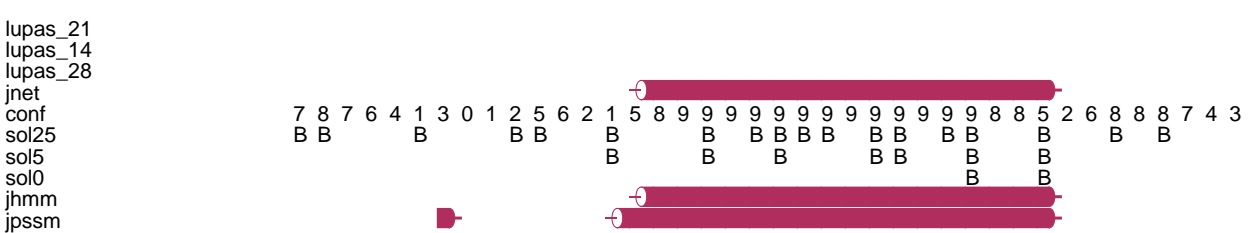


1 10 20 30 40  
 QUERY G N S P Q E E V E L K K L K H L E K S V E K I A D Q L E E L N K E L T G I Q Q G  
 UniRef90\_F7D6F9 N S P E E E A E L K K L R D L E K S V E K I A D Q L V G V N E E L G G I Q Q G  
 UniRef90\_M4AQU0 N S P E E E A E L K K L K E L E K S V E Q T A K K L F A V D G E L T G L K N G  
 UniRef90\_UPI00038EC23B F Q K L I F K G K S L K E M E M P L S A L G I Q M L T G E K G  
 UniRef90\_V9LAE6 N S P E E E A E L K K L K D F E K S T E Q L S H K L E E L N G E L V G I R N G  
 UniRef90\_H3ABL9 P E E E D E L K K I K D F E K S V E Q I S K K L V E F G D E L A G I Q K G  
 UniRef90\_UPI0003832463 V P F Q K L I Y K G K S L R E L E Q P L S A L G K V M L T G K R G  
 UniRef90\_UPI0003331D27 K S N P E E V E L K K L K D L E T S V A K V A N D L E E F N K E L A G I Q Q D  
 UniRef90\_UPI0003333001 N S P E E E A E L R K L K D L E K S V E Q I A N K L E E V N K E F T S I Q K G  
 UniRef90\_U3JHC5 A E E V E L K K L R I L E K A V E K I A N Q L E E L S K D F A G I Q Q G  
 UniRef90\_UPI0003F0DE7B N A L Y Q S E E F Q S I C R V E S L V A N L E N K L G N I S T D F A G I Q Q G  
 UniRef90\_UPI00042C459E P V D D K E M G K L H N L E Q S L K K E E E K L S E I T Y E L D G V H R G  
 UniRef90\_UPI00034F365E N P E E D E N Y K Q I V E A K K I D S L A K K Q S G I S E E L S G V E K G  
 UniRef90\_K1RLU2 N A D Q E P S L K E V V Q V C S A V D G G E K K L D G I R D E I T G I E K G  
 UniRef90\_UPI00026531DD FT G I Q K G  
 UniRef90\_Q14RX9 L T G I Q R G  
 UniRef90\_K7FGG1 FT G I Q K G  
 UniRef90\_UPI0004545C74 L T G I Q R G  
 UniRef90\_G1U378 N S P E E E V E L K N L E D S E T S V E K V L L L E E L N K E F T G I Q Q G  
 UniRef90\_Q4RH49 K R G  
 UniRef90\_I1FSP2 P A Q D E C L K K L D N I S E S T N T I E R K I K K V E Q E L E G I E K G  
 UniRef90\_UPI00042C031C F T G I Q K G  
 UniRef90\_F6YQ21 E D V A L H N L E M I E K D V R S V M R T F D E L H E Q I D S I M K G  
 UniRef90\_UPI00046B343E V T G I Q Q G  
 UniRef90\_S4RFB4 N S P E E E S A L Q R L T E M E R S G E Q L S F R L N E I Q V E L K G I E N G  
 UniRef90\_C3XYD6 H N P E E E A E L K S L E E V D K A Q E A V E K K L T G M S D E L E G M E K G  
 UniRef90\_V4AC97 D T E E V K L L S V E A M L E K H E N K M A D M M S E L N G I S K G  
 UniRef90\_Q99933-2 N S P Q E E V E L K K L K H L E K S V E K I A D Q L E E L N K E L T G I Q Q G  
 UniRef90\_E9GSA1 G K K P D E E D E N Y K L K K W E I S C D S V T N Q V S I E K D I L E M E R G  
 UniRef90\_O44739 N A L V D D A G F K M L M Q Y E K H N L S N L Q K A Y D L N R D V A D L E R G  
 UniRef90\_A8QGE8 A T D I G W K L L V D F E K H A M D I S K T Y A R N E N D L T Q L E K N  
 UniRef90\_UPI0004422675 F T G I Q K G  
 UniRef90\_M7BVY4 D D E K H L N V M K A V D K K F Q Q M N E K F N E V A K Q F Q D L Q N G  
 UniRef90\_T1FNF3 S P E I E Q C K K K L A E V H E S I Q K H A K E M Q T H E E T W K Q I S E G  
 UniRef90\_F2UPE3 S A A E D A I I S Q L R P L R K D F D N K V A K L D Q S A V S V E N Y E K G  
 UniRef90\_E4X2S1 L T G I Q Q G  
 UniRef90\_S9YET6 P D E A E K L V K A K D I S E A V D S Q L S D L L S K L H I L S Q G  
 UniRef90\_C1LIL4 I D G L E K G  
 UniRef90\_T2M6L3 E E D E M M R M R V I E K D V N T Q S N K L T Q I R S Q M Q G I S N G  
 UniRef90\_R7U442 N A M A D D A G F R M L G Q Y E K H N L S N L Q K T Y D V N K D V A D L E R G  
 UniRef90\_H2VHL6 A M K D D V G F S A L V S Y E K S L L P L Q K S H E E I E R D L T A M E L N  
 UniRef90\_A0A016WWK6 N P D E A V K L V K A K D T S D T V D L Q L K D L T D K L D T I L S Q  
 UniRef90\_G4V7I5  
 UniRef90\_J9EQ02 L D G I S K G  
 UniRef90\_W2TYC8  
 UniRef90\_A7RTL3  
 UniRef90\_G7YXX8  
 UniRef90\_U6IK41 E I K K L D Q L E D S I I T I Q A K L A Q I N S D F L S I I N S



QUERY  
 UniRef90\_F7D6F9  
 UniRef90\_M4AQU0  
 UniRef90\_UPI00038EC23B  
 UniRef90\_V9LAE6  
 UniRef90\_H3ABL9  
 UniRef90\_UPI0003832463  
 UniRef90\_UPI0003331D27  
 UniRef90\_UPI0003333001  
 UniRef90\_U3JHC5  
 UniRef90\_UPI0003F0DE7B  
 UniRef90\_UPI00042C459E  
 UniRef90\_UPI0003F0B173  
 UniRef90\_T1J8N3  
 UniRef90\_UPI0003513DD2  
 UniRef90\_UPI00034F365E  
 UniRef90\_K1RLU2  
 UniRef90\_UPI00026531DD  
 UniRef90\_Q14RX9  
 UniRef90\_K7FGG1  
 UniRef90\_UPI0004545C74  
 UniRef90\_G1U378  
 UniRef90\_Q4RH49  
 UniRef90\_I1FSP2  
 UniRef90\_UPI00042C031C  
 UniRef90\_F6YQ21  
 UniRef90\_UPI00046B343E  
 UniRef90\_S4RFB4  
 UniRef90\_C3XYD6  
 UniRef90\_V4AC97  
 UniRef90\_Q99933-2  
 UniRef90\_E9GSA1  
 UniRef90\_O44739  
 UniRef90\_A8QGE8  
 UniRef90\_UPI0004422675  
 UniRef90\_M7BVY4  
 UniRef90\_T1FNF3  
 UniRef90\_F2UPE3  
 UniRef90\_E4X2S1  
 UniRef90\_S9YET6  
 UniRef90\_C1LIL4  
 UniRef90\_T2M6L3  
 UniRef90\_R7U442  
 UniRef90\_H2VHL6  
 UniRef90\_A0A016VWVK6  
 UniRef90\_G4V7I5  
 UniRef90\_J9EQ02  
 UniRef90\_W2TYC8  
 UniRef90\_A7RTL3  
 UniRef90\_G7YXX8  
 UniRef90\_U6IK41

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



QUERY  
 UniRef90\_F7D6F9  
 UniRef90\_M4AQU0  
 UniRef90\_UPI00038EC23B  
 UniRef90\_V9LAE6  
 UniRef90\_H3ABL9  
 UniRef90\_UPI0003832463  
 UniRef90\_UPI0003331D27  
 UniRef90\_UPI0003333001  
 UniRef90\_U3JHC5  
 UniRef90\_UPI0003F0DE7B  
 UniRef90\_UPI00042C459E  
 UniRef90\_UPI0003F0B173  
 UniRef90\_T1J8N3  
 UniRef90\_UPI0003513DD2  
 UniRef90\_UPI00034F365E  
 UniRef90\_K1RLU2  
 UniRef90\_UPI00026531DD  
 UniRef90\_Q14RX9  
 UniRef90\_K7FGG1  
 UniRef90\_UPI0004545C74  
 UniRef90\_G1U378  
 UniRef90\_Q4RH49  
 UniRef90\_I1FSP2  
 UniRef90\_UPI00042C031C  
 UniRef90\_F6YQ21  
 UniRef90\_UPI00046B343E  
 UniRef90\_S4RFB4  
 UniRef90\_C3XYD6  
 UniRef90\_V4AC97  
 UniRef90\_Q99933-2  
 UniRef90\_E9GSA1  
 UniRef90\_O44739  
 UniRef90\_A8QGE8  
 UniRef90\_UPI0004422675  
 UniRef90\_M7BVY4  
 UniRef90\_T1FNF3  
 UniRef90\_F2UPE3  
 UniRef90\_E4X2S1  
 UniRef90\_S9YET6  
 UniRef90\_C1LIL4  
 UniRef90\_T2M6L3  
 UniRef90\_R7U442  
 UniRef90\_H2VHL6  
 UniRef90\_A0A016VWVK6  
 UniRef90\_G4V715  
 UniRef90\_J9EQ02  
 UniRef90\_W2TYC8  
 UniRef90\_A7RTL3  
 UniRef90\_G7YXX8  
 UniRef90\_U6IK41

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

