

QUERY
 UniRef90_F4B8C2
 UniRef90_Q4JB32
 UniRef90_W7KIX8
 UniRef90_A4YCV7
 UniRef90_UPI00037DC227
 UniRef90_C3N5R8
 UniRef90_F3KM94
 UniRef90_B8CEQ9
 UniRef90_F4BTR8
 UniRef90_T1CNK5
 UniRef90_UPI000381E084
 UniRef90_X1KXQ0
 UniRef90_B3TBD0
 UniRef90_K0ID44
 UniRef90_E0SQY1
 UniRef90_V6ARW1
 UniRef90_G7WQF5
 UniRef90_X1B6U2
 UniRef90_Q54M71
 UniRef90_A0B8V8
 UniRef90_T0ZGX4
 UniRef90_M7AUC8
 UniRef90_A1RSS5
 UniRef90_Q975H2
 UniRef90_U6ED17
 UniRef90_A7I9C2
 UniRef90_V4HP42
 UniRef90_UPI000362F035
 UniRef90_R9SK66
 UniRef90_T0NLM4
 UniRef90_J6EDK9
 UniRef90_M4ASK2
 UniRef90_T0MZ11
 UniRef90_B5IFV8
 UniRef90_Q6L0A9
 UniRef90_M7TEW7
 UniRef90_Q2NEX0
 UniRef90_D3E3T6
 UniRef90_C1C4C8
 UniRef90_I1FPW5
 UniRef90_Q46FZ5
 UniRef90_S7QP56
 UniRef90_A2AB88
 UniRef90_C5DYB6
 UniRef90_B7FQ15
 UniRef90_F7XMB9
 UniRef90_A6UTE5
 UniRef90_G8BUJ4
 UniRef90_L0L0Z4
 UniRef90_Q2GQ73
 UniRef90_A7T0K8
 UniRef90_R7TGT2
 UniRef90_E9H9P7
 UniRef90_D1Z1X2
 UniRef90_M4YU40
 UniRef90_T1G7I5
 UniRef90_H9G8R8
 UniRef90_F1KY87
 UniRef90_C1BEP1
 UniRef90_K8EAF6
 UniRef90_G0WBZ3
 UniRef90_A3GGY3
 UniRef90_A1D7B8
 UniRef90_Q6BIW4
 UniRef90_P52554
 UniRef90_G3Q409
 UniRef90_R7SMD4
 UniRef90_Q5CKZ6
 UniRef90_S9WZS8
 UniRef90_V3ZSB5
 UniRef90_E0VED5
 UniRef90_Q9VW56
 UniRef90_A7TL03
 UniRef90_D6WIS5
 UniRef90_R9PC67
 UniRef90_G8ZRE3
 UniRef90_A0A024JM70
 UniRef90_M4EN15
 UniRef90_U4L8V9
 UniRef90_UPI00035A10C3
 UniRef90_C5MIK2
 UniRef90_K4MTD9
 UniRef90_S9UZD3
 UniRef90_E4XJ23
 UniRef90_F8NFW7
 UniRef90_F4P208
 UniRef90_D8TNC4
 UniRef90_J9KAL7
 UniRef90_J4GRC2
 UniRef90_Q2HIK4
 UniRef90_D8J6Z8

1 10 20 30 40
 Q N V Q H Q L A Q F Q Q L Q Q Q A Q A I S V Q K Q T V E M Q I N E T Q K A L E E E
 V Q T Q L T K L Q Q L Q K Q L D N L T Y E R S V I D S E L R R E I N K I L L E E E
 L Q T E L V K L Q Q L Q E Q L E R N R V I A E R S V I D S E L R R E I N K I L L E E E
 V Q T Q L V K L Q Q L Q S Q L E R L T Y E K S V I E G E L R E I V N E V L K E E E
 I Q N L V L K A R Q I E E Q L R L R I V V A R R Q Q I K L D I M E I I N D T V K E E E
 V Q A Q L A K F Q Q L K E D Q L D R L L L E K S T I E N E L R E I I N K I L L E E E
 L Q E Q L M K M Q Q S Q Q N L Q S I M T Q K Q H L E M E R L E T D K A L L E E E
 V D A K I S S F R T L Q E E L Q T H H S D L G T L M A Q R N E N E M V L Q E E E
 I Q N D I K Q F Q R L Q Q E L G A V Q Q Q R L Q M D L K L R E L T H T L L E E E
 D L K N K L Q N Y N N L V R T L E F L T Q Q R S V I D S E L K E L N T V L Q E E E
 V Q E Q L A K L Q Q T Q Q N L Q S I L A Q K Q Q L E F D K L E T E K A L L E E E
 I Q Q Q V V K Y Q Q L Q T Q L N Q V L S E K S I I E Q E L R E I N R A L L E E E
 L Q E Q I M K L Q Q S Q Q N L Q S I M A Q K Q Q V D M E Q I E S D R A L L E E E
 K K K F Q N L T Q V G Q T L E L L T Q Q K S Q I E M M I R E T E S A V K E E
 Q Q I Q D Q L T K F Q V H E T E L Q K L S A S R S K L L T Q L N E N E M V K K E
 L Q N D L R Q F Q R L Q Q D L N V L D Q Q R G Q M D L K L R E T N H T L L E E E
 L Q D L V N R F N Q V Q A Q L Q N V L L R K Q Q Y E A E L R E I E K A L L E E E
 Q N V Q H Q L A Q F Q Q M Q Q A Q A I T M Q K Q S V D L Q I R E T E K A L L E E E
 I Q N L A L K L K Q I E E Q L R L V I T R R Q Q I K A E L M E I E I V K E E
 L Q N Q I K Q A Q D M Q A Q I E Q V A S Q R Y Q I D M K V K E L E K T L K E E
 A E Y Q H L Q S E L E E F I V A R Q K L E T Q L Q E N K I V N E E E
 K K L K A E V E K Y A Q T E N D V S K S V S A R Q K L E T Q M A E N N I V K E E E
 L Q N Q V R E Q A Q Q I E N Q I E Q I G T Q K Y Q L E V R I K E L S K T L E E E
 H L Q E K L E Q A Q K L Q G E L E V I V A Q R Y Q L E V S L K E L V E K S L E E E
 I Q N Q I K Q A Q D I E A Q I E S I A S Q R Y Q L D V L I R E L D K T I K E E E
 Q L Q D Q I N R F Q Q L K A Q V Q M I V Q R Q Q I E L Q L R E T E E A L K E E E
 Q N I Q E Q L N Q F Q Q V Q Q A Q S L A M Q K Q T L T L Q I N E S K K A L D E E
 E K L Q A E V T K Y Q Q I Q K D I S T S M A A R Q K L E A Q V T E N K I V K E E E
 L Q D E I E K F K D I Q K D I Q K C V S K R K Q L E G Q L T E N K T V K E E E
 K K L Q Q R S Q E F Q K L Q A D L S A A V E A R Q R L D A Q L S E N E L V K K E E
 L Q G E V E K Y Q Q L Q K D L S K S M S G R Q K L E A Q L T E N N I V K E E E
 E L A A Q Y Q K L Q G E L E N F I V A R Q K L E T Q L Q E N K I V D D E E
 V D T E I N K F R G L Q E K M G R L A S D L Q I V V G Q E T E N E M V L Q E E
 S L A M Q K M Q T E S L K K E S E M A M E E
 A K Y Q S V Q G E L E E L I I A R Q K L E T Q L Q E N K I V N D E
 Q V Q N Q I A Q L Q Q V Q Q Q A Q S L S I Q K S Q M E T L Q K E S E L A L L E E E
 L Q D T V Q S R Q K L E A Q M Q S E N L G V Q K E E
 Q Q L Q T E L E K Y K A H Q I D L Q K S V S T R Q Q L D A Q L N E N T V V K D E E
 K R L Q S E L E K Y K A T Q S E F Q K C A G T R Q K L D A Q L N E N T M V K D E E
 K K M Q Q E V E K F K A V Q K E Y Q S V I S S R Q Q L D S Q L T E N N G V K E E E
 R S Q V E M V L R E T E R A L D E E
 K K L A A E L E Q F K A L Q T S Y Q K Y I S A R Q K L D A Q L T E N N M V L D E E
 K K L Q A E V E K Y Q Q L Q K D I S K C M S S R Q K L E A Q L T E N N I V Q E E E
 A Q N T K F N R E R N M V N R Q K L E G Q L T E N N I V K T E E
 M S A R Q K L E A Q V T E N N I V K E E E
 F Q Q L Q Q E L Q A N I E A R K T F T Q A T E N E M V L E E E
 K Y Q V L Q G E L E D L I M A R Q K L E T Q L Q E N K I V I E E E
 Q Q F E S L S L E Y F N Q Q Q N S L N E L I T A R S Q L E T Q F Q E N K I V L T E E
 Q Q F Q A L S D E Y Q K L Q T D L E G F I D A R Q K L E S Q Q Q E N K G V Q G E E
 Q D F E K L S L E F S N S Q G T L N E L M T A R S T L E T Q Y Q E N K I V L N E E
 E E E V N K L R T L E K D R E K Y F T S R Q E M E M R L T E S K N I V K A E E
 K K L K A E V D K F T L M Q D V S K S M S A R Q K L E T Q L A E N N I V K E E E
 E R L Q T T S A D F Q K I Q N D L S L V D A R Q K L E A Q F S E N E L V K K E E
 K E F L E T Q K K F E Q I N E R R R L V A Q E S E N Q M V S K E E
 I N E I Q A L Q K K F G K L I D S R R Q L D G Q K N E N E L V L E E E
 K R L E T E I E K F Q S C Q K D L Q K Y I T S R Q K L E A Q L S E N T L V K T E E
 K N L Q K E L D S F R S C Q K E Y Q K A I T K R Q Q L D A Q L N E N T C V K N E E
 K K M Q A E I E S Y Q N L Q K S C Q L K M V K Q R A V L E S Q L N E N K C V L D E E
 D L A N K Y Q K L Q G E L E E V I V A R R Q L E T Q L Q E N K I V N E E E
 I Q S E L D S F K N T Q K E L Q K A I S T R Q L D S Q L N E N M L V K D E E
 I T Q Y Q K L Q A S F Q T A V E A R Q Q L D S Q L R E N E Q V A K E E
 D L A A A Y Q A L Q S E L E V L V I A R Q K L E T Q L Q E N K I V S E E E
 Q R E L Q K L I Q S R E T L A I Q E T E N K V V K D E E
 H Q L R K K Y T I L G E N E L V L K E E
 Q K L Q A L T Q E F Q N I Q T E L S T V V E A R Q K L E S Q L S E N Q S I V Q K E E
 K R L Q G E L E K F Q N V Q K D V G K H V N L R Q Q L E G Q L S E N T L V K E E E
 Q Q F E T L S L N F N N H Q N Q L N D L I S S R S K L E T Q Y Q E N K I V L Q E E
 I K E I Q A L G E K K A K L I D S R R Q L D G Q K N E N E L V I A E E
 I E A Q L S E T K V L V L D E E
 E R L Q T A S T E Y Q K L Q S D L A N I V D A K T R L D A Q L S E N E A V K K D E E
 Q Q L Q T E V T A F Q T L Q G D Y F K A V Q N R T Q L E S Q L K E N E E V S K E E
 K A L Q K E A E A Y R G L Q K E L S K L A T T K R D L T A R H Q E T E T V L E E E
 K Q F Q T E L D A F K Q C Q K E I N Q L A G M R Q Q L D G Q L N E N S I V K E E E
 R L Q A A S T D F Q K I Q N D L S N V V E A R Q R L E A Q L S E N E L V K K E E
 R D L E N K A N D L G K I Q K D I G K N H Q L R K K Y T I L G E N E L V L K E E
 Q E K L E Q L Q D L Q D T A Q Q V I A T Q K N Q T E S L N D S Q N A L E T

QUERY
UniRef90_F4B8C2
UniRef90_Q4JB32
UniRef90_W7KIX8
UniRef90_A4YCV7
UniRef90_UPI00037DC227
UniRef90_C3N5R8
UniRef90_F3KM94
UniRef90_B8CEQ9
UniRef90_F4BTR8
UniRef90_T1CNK5
UniRef90_UPI000381E084
UniRef90_X1KXQ0
UniRef90_B3TBD0
UniRef90_K0ID44
UniRef90_E0SQY1
UniRef90_V6ARW1
UniRef90_G7WQF5
UniRef90_X1B6U2
UniRef90_Q54M71
UniRef90_A0B8V8
UniRef90_T0ZGX4
UniRef90_M7AUC8
UniRef90_A1RSS5
UniRef90_Q975H2
UniRef90_U6ED17
UniRef90_A7I9C2
UniRef90_V4HP42
UniRef90_UPI000362F035
UniRef90_R9SK66
UniRef90_T0NLM4
UniRef90_J6EDK9
UniRef90_M4ASK2
UniRef90_T0MZ11
UniRef90_B5IFV8
UniRef90_Q6L0A9
UniRef90_M7TEW7
UniRef90_Q2NEX0
UniRef90_D3E3T6
UniRef90_C1C4C8
UniRef90_I1FPW5
UniRef90_Q46FZ5
UniRef90_S7QP56
UniRef90_A2AB88
UniRef90_C5DYB6
UniRef90_B7FQ15
UniRef90_F7XMB9
UniRef90_A6UTE5
UniRef90_G8BUJ4
UniRef90_L0L0Z4
UniRef90_Q2GQ73
UniRef90_A7T0K8
UniRef90_R7TGT2
UniRef90_E9H9P7
UniRef90_D1Z1X2
UniRef90_M4YU40
UniRef90_T1G7I5
UniRef90_H9G8R8
UniRef90_F1KY87
UniRef90_C1BEP1
UniRef90_K8EAF6
UniRef90_G0WBZ3
UniRef90_A3GGY3
UniRef90_A1D7B8
UniRef90_Q6BIW4
UniRef90_P52554
UniRef90_G3Q409
UniRef90_R7SMD4
UniRef90_Q5CKZ6
UniRef90_S9WZS8
UniRef90_V3ZSB5
UniRef90_E0VED5
UniRef90_Q9VW56
UniRef90_A7TL03
UniRef90_D6WIS5
UniRef90_R9PC67
UniRef90_G8ZRE3
UniRef90_A0A024JM70
UniRef90_M4EN15
UniRef90_U4L8V9
UniRef90_UPI00035A10C3
UniRef90_C5MIK2
UniRef90_K4MTD9
UniRef90_S9UZD3
UniRef90_E4XJ23
UniRef90_F8NFW7
UniRef90_F4P208
UniRef90_D8TNC4
UniRef90_J9KAL7
UniRef90_J4GRC2
UniRef90_Q2HIK4
UniRef90_D8J6Z8

50 60 70 80
L S R A A D D A E V Y K S S G N L L V R K V A K D E L T E E L Q E K L E T L Q L R
L S K L S A D T T P V Y K I V G N N I L V R K V A K D S N S V E K E L L D D D R K E T L L R R
L K Q L P A D T T S I Y K I V V G N L L L V K K V D K S N S V E K E L L D D D R Q K T E L L R R
L S S L P A D T T S I Y K I V V G N L L L V K K V D K S N S V E K E L L D D D R Q K T E L L R R
L A N I P Q D D S P V Y K I V V G N L L L I K Q D R K N N V Q N E L L N E R K E L L L E L K Q
L E K V P Q D D T V Y H K L V V G N L L L I K T S D K K T A L N E L L N E R K E L L L Q L Q
L S V L N A D A D T V Y K I V V G N L L L V K S D K K T S V E K E L L N D R K E L L L E L Q
L K K A A D D D T V Y K H A G S I L L I K S T K S E L I A D L E E R K E M A K T R E
L E V C A D D D A V Y K Q I G E P A L I K N D K L E D A I D T E K K R L E F I N G E
L E K S A D D D A V Y K S V G I G L L F R A D K L K L T E E L K K R K L E M M D I R R
L Q S V P E E S T P I Y R P I G G L L V R Q N K K A D R L V Q S L L S D E K E T L L E I R R
L G N L P Q D D S T I Y K I V G N L L L V R V S N K A D R L V R E L L N S D R K E L L E L K
L D K T D S N K E V Y K S I G I M V K S E R D R L L D E K K S R K A S I L E L L K
L Q K V N D D D M V F K H A G S T I L I K S N K K D L I E E L D E R K E L A K T K
L K K A G P D D D A V Y K N A G S V L L V K A K K S D A E K E L E T E K K E L A K T R
L K N V P D D D A V Y R S A G S H I L L V K I N K S D A E K E L E T E R K E L L E L R
L K K I A D S E T V Y K H S G S I L L I K S T K T A A L I A E E L E E K K E L A N T R
L E A S P E G A V I Y K S V G I L L F K A D R T K L I A E E Y Q S N K E V L D L R
L E K A S P P D T I V Y K Q I G G I L L V R S Q R D K L L A E K T S E K K T V L N M R
F D L L E S E A K I Y K L N G P V L F K Q T K A E E A E N T I T S R L D I N N N
L D K S P D D D V V Y K N V G N L L M L R S K D A T L M T E L L K E R V D L L D L R
L K A L P E D A V I Y R S V G N L L L V K S K R S E V E G L L T E
L G L L D V I N T V Y K L I G P V L V K Q D M D E A K A T V S K R L D
I E K L P Q D A K I Y K S V G N L L F L P Q N K D A A L Q E L R R D R K E L L E L H
L S Q L P A G T T V Y K I V G N L L L V K T D K E T V Q K E L L D D R K E L L E L R
L E K V E D D A E V Y K T A G N L L I K V P K P E L T E E M T E K L E T L E L R
L D V A D D T P M Y L S I G E V M V Q T K K D Y E L D G K L T E K V E T L E M R
L E K I A D D A F V H K M V G N I L L V E T I P K K T A L E E L N E K K E T L Q L Q
L N G T D T E V Y K S A G S V I I Y R I N R D D I Y D E T K E Q L E T L Q L R
L S A V G D D V P V Y K L T G N V L L P V E Q S E E A R G N V D K R
F D Q I G D D T P V Y K L T G N V L L P V E Q S E E A R G N V D K R
L D L L E S S N T V F K L T G P V L V K Q D L D E A K A T V A K R L E Y I N G E
L G K V L G E G M P I Y R S V G P V L Y K V D D K
L E K V N E D A P I Y K H V G S I L V R
L K S L S E G T P V Y K S V I G A I L M Y L V E D K
L E K T A A G T P V Y K S V I G A I L I K T K K S D D K K E L M S S K E S L E L R
L S K T A D D Q D V Y K T A G P L L I K T K T S D S E A D L E K D S V E M L E L R
L K K T P D D A E V Y K S A G N L L I K V E R A S T L E D L E D K R L E T L K L R
L G V L D D S N T V Y K L I G P V L V K Q D L E E A K S T V E K R L Q Y I N G E
M D V L E D D A V V Y K L I G P A L I K Q E L S E A K D T V V K R L D F I L S L R
L G R L A D D A V V Y R N V G E V L V I K T S K E E S I T K V K D R E E T L S L R
F D Q L T S D N T V Y K L I G P V L V K Q D Q A E A K S N T R L D F I L S Q S E
L A L L D G S N V V F K L I G P V L V K Q E L G E A R A T N V G K R L D
F N G L K Q S D S K V Y K L T G P V L L P V E Q D D A Q E T N V S K R
L N L Q K S D S A V Y K Q V G P V L I K Q N L E E A Q E T V R K R L E F I A S E
L E N L P D D V I Y R S I G D L Q I K A S K E E T V S K L K D K I E S L S L R
F N D L N E D T P I Y K M A G G I V L P I S R N K E D V K E E L S E K V E T Y K V R
L E K L P D D A I Y R A V G D L Q I R S E K Q E T V L K L K E K I E T L S L R
F S K L K S E G E T I Y K L I G P V L L K Q E K A E A E S T V N G R I E F I E S L R
L D K I S E D G N V Y K L I G P V L V K Q D L E E A K Q T V S G K R I D Y I N G E
L D R L E P D A K V Y K M M G P V L I N Q D L D E A K Q T V S G K R I D Y I N
L N L L E S D A N V F K L A G E V L V K Q D L E E A H Q N V S K R I D Y I T G E
L K K T E D D A V Y K A A G E L L V K A N K E E V L K D L E E K K D S L D V I R
M K L L E D D S T V Y K L V G P V L V K Q D M T V E A T Q N V G K R I K Y I S D E
L G F L D D A S N S V F K L I G P V L V K Q D M T E E A K A T V G K R L E
L D L L D D T Q N T V Y K L I G P V L V K Q D L T E A R Q N V D K R I D Y I N T E
L K S L E E G A N V Y K L I G P M L A K Q D V V E A T S N V T K R L E F I N
F N Q L P S E S Q V Y K L T G N V L L P V D Q E E A H S N V D K R
F E S L N E D S K I Y K I V G P V L L K Q D K N E A V
F D K L D E D S K I Y K L T G P I L M P Q E Y G E A K L N V T K R I E F I E
L D L M E S D S K V Y K L I G A V L V R Q D L E E A R S T V E K R L E F I D S E
L D L L D T N T V Y K L I G P V L V K Q D L E E A K A T V T K R
F A S L T A D N T V Y K L I G P V L I K Q D Q T E A K Q N V D T R L D F I R G E
L E L L E S D A V I Y K L V G P V M V K Q S L D D A K S T V S K R L E Y I T G E
M G K L E S D A M V Y K L I G P A L V P Q D Q A D A K N V V S N R L E Y I N G E
L D L I K E D D G T V F K M I G P V L V K Q E L E E A K Q N V Q K R I D Y I N G E
L D L L E E D G E V F K L L G P V L M K Q D L E E A K Q N V A K R I E M L D N M
L N L L G P D N K V Y K L F G P V L V K Q E L E E S R Q N V G K R L E Y I S K E
F E G L K E D T Q V Y K L T G N V L L P V E Q F E A
L E I L P K D A K V Y K S V G I L I K T E L V I E A R Q N V G K R M D Y I K K E
F S R L K Q D N Q V Y K L I G P V L V K Q D Q V E A K T N V D K R L E F I K G E
F S E L K E D T Q V Y K L T G N V L L P V E Q V E A N S N V A K R L E F I Q T E
F D S I L E D D T P I Y K Q I G P V L V P Q T K A E A E M N V D K R
L D L L E D D A N V Y K L I G P V L V K Q D L A E A N A N V R K R M E Y I S A E
F G S L G D D A K I Y K L I G P V L L K Q E K S E A V
L D R L E E G A G V Y K M I G P A L I K Q D L G E A K Q T V Q K R
F D N L N E D S K I Y K L T G P I L L P Q D Y S E A
L N K M E P D A K V F K L I G P A L I P Q D Q S D A K N V L K D K V E T L S L R
L E I V G E D A T I Y K L L G P V L V K Q D K E L A Q T I N N R K S H M E T E
F S R L T P E D N T V Y K L V G P V L V A Q E Q N E A K G N V E T R
F K F L K D D D A T I Y K L V G P V L V K Q D T P A V G N V S K R
L K L L E D D A N V F K A V G P V L V K Q D L L E A R T N V T N R
L A L L K P S G E V Y K M I G P I L L R Q D H T E A K E N I D K R M S Y I K N E
F S Q L T P S N T V Y K M I G P V L V K Q D Q A E A K S N V D T R
L D L L E D D A N V Y K L I G P V L V K Q D L A E A N A N V R K R L E Y I S A E
L E D V D E D T T M Y R E A G E L L I E T D R E T A

QUERY
UniRef90_F4B8C2
UniRef90_Q4JB32
UniRef90_W7KIX8
UniRef90_A4YCV7
UniRef90_UPI00037DC227
UniRef90_C3N5R8
UniRef90_F3KM94
UniRef90_B8CEQ9
UniRef90_F4BTR8
UniRef90_T1CNK5
UniRef90_UPI000381E084
UniRef90_X1KXQ0
UniRef90_B3TBD0
UniRef90_K0ID44
UniRef90_E0SQY1
UniRef90_V6ARW1
UniRef90_G7WQF5
UniRef90_X1B6U2
UniRef90_Q54M71
UniRef90_A0B8V8
UniRef90_T0ZGX4
UniRef90_M7AUC8
UniRef90_A1RSS5
UniRef90_Q975H2
UniRef90_U6ED17
UniRef90_A7I9C2
UniRef90_V4HP42
UniRef90_UPI000362F035
UniRef90_R9SK66
UniRef90_T0NLM4
UniRef90_J6EDK9
UniRef90_M4ASK2
UniRef90_T0MZ11
UniRef90_B5IFV8
UniRef90_Q6L0A9
UniRef90_M7TEW7
UniRef90_Q2NEX0
UniRef90_D3E3T6
UniRef90_C1C4C8
UniRef90_I1FPW5
UniRef90_Q46FZ5
UniRef90_S7QP56
UniRef90_A2AB88
UniRef90_C5DYB6
UniRef90_B7FQ15
UniRef90_F7XMB9
UniRef90_A6UTE5
UniRef90_G8BUJ4
UniRef90_L0L0Z4
UniRef90_Q2GQ73
UniRef90_A7T0K8
UniRef90_R7TGT2
UniRef90_E9H9P7
UniRef90_D1Z1X2
UniRef90_M4YU40
UniRef90_T1G7I5
UniRef90_H9G8R8
UniRef90_F1KY87
UniRef90_C1BEP1
UniRef90_K8EAF6
UniRef90_G0WBZ3
UniRef90_A3GGY3
UniRef90_A1D7B8
UniRef90_Q6BIW4
UniRef90_P52554
UniRef90_G3Q409
UniRef90_R7SMD4
UniRef90_Q5CKZ6
UniRef90_S9WZS8
UniRef90_V3ZSB5
UniRef90_E0VED5
UniRef90_Q9VW56
UniRef90_A7TL03
UniRef90_D6WIS5
UniRef90_R9PC67
UniRef90_G8ZRE3
UniRef90_A0A024JM70
UniRef90_M4EN15
UniRef90_U4L8V9
UniRef90_UPI00035A10C3
UniRef90_C5MIK2
UniRef90_K4MTD9
UniRef90_S9UZD3
UniRef90_E4XJ23
UniRef90_F8NFW7
UniRef90_F4P208
UniRef90_D8TNC4
UniRef90_J9KAL7
UniRef90_J4GRC2
UniRef90_Q2HIK4
UniRef90_D8J6Z8

90 100
E K T I E R Q E E R V M K K L Q E M Q V N I Q E A M K
S R T Y L K Q E S L L R K Q F E D L Q K N V N D L L Q
S R T Y Q N Q E T K L R T Q L E E K Q K K V N E M L
S R T Y Q K Q
S R T Y Q K Q E G L L R K Q F E D L Q K K V N E L I Q
D L T L E K Q E S T L R K Q F E A T S R E L E E A L R
S R T Y Q K Q E S L L R K Q L E D L Q A K I N E M L
L T V L E K Q E S R I K E S L K E Q E A K I T E M M R
I T L L T K K E E E T Q Q Q I Q E M Q A A L Q
L K T M A K Q E E R I Q G R F T Q L Q E Q L K Q S L
L K G V E R Q E N H L K E R Y S T M Q K E L T D A L Q
S R T Y Q K Q
L K T I T Q R E E R T K T Q L E T L R I A L E K D F K
A S L L T K Q E E R L K I T L K E G E T K I Q E M I K
V M V L G K Q E A R V K E N L K E V E N K I N E M L R
L K T L G R Q E S L R R Q L A E I Q S K L N Q
S A V L A K Q E A R L K E S I K E Q E T K I N E M I R
L K T L G K Q E E R I Q G R F T Q L Q D Q L K A S L
S T T L A K Q I E R T K S T F E N M Q K S L Q A D L Q
L K T I E T N F K D I E K K A M E Q R N K I F E
L K T V A K Q E E R I Q S R F N Q L Q D Q L R Q S L

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

I Q R Y E T

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

L Q S I S R Q E E R L T S R F K Q L Q E Q I Q Q A L
I K R V E G Q L K D I

K K G L E G K I Q A T E K E G N E L A L K I Q K M
L Q S I S R Q E E R I S K R F A Q L Q E Q I K Q S M
I T T F A K Q E E K M Q K R L T D M Q E S L Q K A L Q

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

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

I Q R Y E T

I S R V E T K I S D E E K A M E A T R Q K L

T K R V E A S I S D I S K K C T E Q R D K V M N M Q K

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

I T S I E K K Q D V H R E A L Q K L Q H Q F Q Q A
I

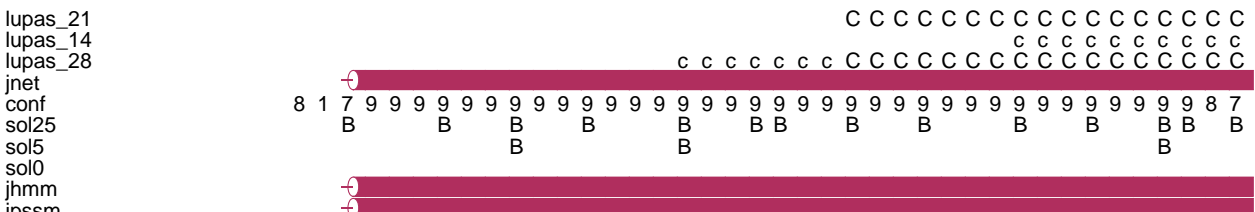
L K R I D

L Q S I S R Q E E R I S K R F T Q L Q E Q L E Q S M
I K R T D T Q
L K R C S Q T V N D V G K K I T K E Q D N L R D

L Q R I D D R I H T L E G K Q D E F R E T L T K

L K R L D

```
UniRef90_H8X4K0      K K L E T L S L Q F S N H Q Q S L N D L I S S R S T L E T Q L Q E N K L V E Q E
UniRef90_D7FLS7      V D A E L K K L Q G V Q S E L Q A L A A S R S Q F Y Q Q A N E N G M V K Q E
UniRef90_I1NVY9      R D L E S Q A N A L S K I Q K D I S K N H Q V R K Q Y T I Q V G E N E L V L K E E
UniRef90_K1QXD2      K K L Q T E V E K F Q A V Q K D Y Q K H V N L R Q Q L D A Q L N E N S L V K E E
UniRef90_C9SDP1      R L Q A L S E E F Q K L Q A E L Q T S V S A R Q K L E A Q K Q E N L G V Q Q E
UniRef90_T2MIX2      K Y L Q K E V E I F Q K L Q K D F Q K L L N G R Q Q L D I Q Y N E N K I V K D E
UniRef90_Q4UGK7      M E D L I N E I N S L R E K H R E Q T I V H S Q L L T Q Q N E S T A A L N E
UniRef90_U5EV75      R R L Q T E L D N F K A S Q K E F N K L V Q Q R Q Q L D G Q Y N E N K S V L E E
UniRef90_F0ZSR4      L N E N E M V K K E
UniRef90_I1KQC5      H Q M R K K Y T V Q L G E N E L V L K E E
UniRef90_A0A023FF64 K A L V Q E V E K Y K T L Q K D F Q K T Y N L R Q K L D S Q L N E N S V V K E E
UniRef90_E2AH17      K K L Q T E A D T L R Q L H K E Y N K V L N Q R R Q L D G Q L N E N I M V K E E
UniRef90_W9Z301      L Q T T I D A R Q K L E A Q Q Q E N K A V Q K E
UniRef90_Q5DDY5      K R L N A E I E K A Q G I Q K E I Q K I L Q I H R Q L S A Q L S E N E N V I E D
UniRef90_K3W4X5      Q V D A E M A R Y R V L Q E E V Q V L A N Q R Q T Y A Q Q A N E N T M V K K E
UniRef90_C3ZG58      Q K D L Q K T A S T R S Q L D V Q L N E N R I V K D E
UniRef90_G3BBA1      E F T Q A Q T S L S E L I G A R Q Q L E T Q F Q E N K I V L Q E
UniRef90_G3J483      A N L Q S S V D S R Q K L D G Q R Q E N L S V Q K E
UniRef90_W6L714      L K E A Q E L G E K K G K L I E A R R Q L G G Q K N E N E L V K A E
UniRef90_W71C0      F T D L Q K K L Q V V I E A R Q R L D A Q L S E N Q A V Q K E
UniRef90_D8PPA5      E F Q K I Q L Q E L Q N A V E A R Q R L D A Q L N E N E L V K K E
UniRef90_C4JW94      E L Q G V V E G R E K L E A Q Q Q E N K S V Q K E
UniRef90_UPI00005BFA68 D L S K S M S G R Q K L E A Q L T E N N I V K E E
UniRef90_L0AYJ5      S Q L L T Q Q T E S T T A L I E E
UniRef90_Q26774      K Y N K Y L Q L R D T Y N T I V Q Q R L A A E A S L S E V E K V L L E R
UniRef90_V4J8R9      Q L Q S S T I S F Q K I E N E L A S V I E A R Q R L D S Q L S E N E L V L K E
UniRef90_J9W3Z3      K N L K T E L D K Y K Q V Q K D F H K A L S Q R Q Q L D G Q L N E N I A V K K E
UniRef90_H9KGX1      K R V D A E T A K Y R V L Q E E L Q V L V T Q Q Q K Y T Q Q A N E N S M V K Q E
UniRef90_A0A024GHB3 R L Q M D L K L R E V I H T L I E E
UniRef90_T1A8S7      E E E L A K Y K F E K D R E K N I H N R Q Q L E G Q L T E N N L V K T E
UniRef90_E1FR02      R L Q A L S E D F Q K L Q G E L Q N A V A S R Q K L E G Q K Q E N V G V Q Q E
UniRef90_F9FAK2      L Q V A S A E Y Q T V Q D Q L Q N V V L S R Q K L G A Q L S E N Q A V K K E
UniRef90_G7E757      L T E N T L V K S E
UniRef90_A0A016U9N5 Q L K P I L K E A Q E I G D K K G K L I E S R R Q L G S Q K N E N E L V R E E
UniRef90_W6KJV1      K K L Q Q E V E K Y K T V Q R D Y Q K I L S I R Q Q L D G Q L N E N N V V K E E
UniRef90_T11UE9      A E L Q K H V N S R Q K L E S Q Q Q E N R A V Q K E
UniRef90_S3CIG4      L K E L Q E M G D K K G K L I E A R R Q L G G Q K N E N E L V R D E
UniRef90_E9B8K9      I Q N Q I A M L Q Q V Q Q M Q T I M S Q K T Q Y E M E I R E N R R A E E E
UniRef90_B8GDQ7      Q Q F E S L S L E F S N D Q N S L N E L I S A R S Q L E T Q Y Q E N K I V L A E
UniRef90_G3AIN4      E K I N S Q L E E L I T Q K V E N E I L L I E
UniRef90_W7APD1
```



UniRef90_H8X4K0
 UniRef90_D7FLS7
 UniRef90_I1NVY9
 UniRef90_K1QXD2
 UniRef90_C9SDP1
 UniRef90_T2MIX2
 UniRef90_Q4UGK7
 UniRef90_U5EV75
 UniRef90_F0ZSR4
 UniRef90_I1KQC5
 UniRef90_A0A023FF64
 UniRef90_E2AHI7
 UniRef90_W9Z301
 UniRef90_Q5DDY5
 UniRef90_K3W4X5
 UniRef90_C3ZG58
 UniRef90_G3BBA1
 UniRef90_G3J483
 UniRef90_W6L714
 UniRef90_W7I7C0
 UniRef90_D8PPA5
 UniRef90_C4JW94
 UniRef90_UPI00005BFA68
 UniRef90_L0AYJ5
 UniRef90_O26774
 UniRef90_V4J8R9
 UniRef90_J9W3Z3
 UniRef90_H9KGX1
 UniRef90_A0A024GHB3
 UniRef90_T1A8S7
 UniRef90_E1FR02
 UniRef90_F9FAK2
 UniRef90_G7E757
 UniRef90_A0A016U9N5
 UniRef90_W6KJV1
 UniRef90_T1IUE9
 UniRef90_S3CIG4
 UniRef90_E9B8K9
 UniRef90_B8GDQ7
 UniRef90_G3AIN4
 UniRef90_W7APD1

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

lupas_21
 lupas_14
 lupas_28
 jnet
 conf
 sol25
 sol5
 sol0
 jhmm
 jpssm

C C C C C C C C C C
 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 8 7 4 4 9
 B B B B B B B B B B B
 B