

1 10 20 30 40
QUERY G S M P V V W P T L L D L S R D E E C K R I L R K L L E L E A Y A G V I S A L R A Q Q
UniRef90_T1J4R7 M W P M L L D M S R R D E E C K R R M L R R R L E L E A Y A S A L V V S A F R A Q Q
UniRef90_UPI0003F0EED1 M W P K L L D M S R R D E E C C R R T L R R R M E L E E S Y A S S M V S A F R A Q Q
UniRef90_W4Y309 T R M W P R L L D M E E K E E C C R S V L R R R L E L E E A Y S S S V I S A F R A Q Q
UniRef90_E2C6Q3 M W P M R L E M T R D E E C C R K I L R R Y L E L E D A Y G S S V I S V L R A Q Q
UniRef90_K1QDS3 M L L D L I S K E E C C K R I L R R R M E L E E A Y C E L L V S A F R A Q Q
UniRef90_R7TGF0 W P L L L D L T R D D C C R R I L R R R L E L E E A Y S S Q V L I S V F R A Q Q
UniRef90_UPI0003C3A366 M W P Q A L Q M T R D E E C C R G I L R R R L E L E E S Y S S V L I S V F R A Q Q
UniRef90_G6CTK1 M W P M L L N M T R D E E C C R R T L R R R L E L E E A Y S S N M I S V F R A Q Q
UniRef90_T1KCA3 M F E M W P K L V D Y S K E E C C K Q M L R R R L E L E E A Y S S V V N A L R A Q Q
UniRef90_H2U097 M P V V W P T I L D L G R D E E C C K R I L R R K L E L E E A Y A G V I S A L R A Q Q
UniRef90_V4BG11 M L L D M S R D D C C K R V L R R R L E L E E G Y S A V L S A F R A Q Q
UniRef90_E0VVG9 M W P T L V D M S E N E C C K R A L R R S L E L E E T Y S N V V A V L R A Q Q
UniRef90_U6IAZ2 N T N I S W P A L M D M S S A D C C R R L L R R Q N E I E A Y S K V V S A F R A Q Q
UniRef90_X1YL01 M W P M K L D M T L A R D E C S C R G V L R R R L E L E E S Y G T I I S A F R A Q Q
UniRef90_L5LVW9 M V S W T V L C T L A R S H S M Q E L A P D E L E E A Y A G V I S A L R A Q Q
UniRef90_UPI00035A1BD0 M W P M L L D Y T K D E C K R I L R R R L E L E E A Y A S I I S V F R A Q Q
UniRef90_UPI000441FEBE N L P P S Y P K M Y D D L A A D M E A Q I H Q I E K E A Y I S V L R A F K A Q Q
UniRef90_Q08A72 P I W P M L L D Y S R R E C Y Q I L R R L E L E E A Y G R I V A V F R A Q Q
UniRef90_G7Y9W2 M L V D Y S K T D C R R I L R R H E V E A Y A K V V T A F R A Q Q
UniRef90_U6FX67 M L V D Y S K T D C R R I L R R H E V E A Y A K V V T A F R A Q Q
UniRef90_E9JCB3 V E L D A Y G S M V S V L R A Q Q
UniRef90_B3S7M2 M S M V D D R N D V S C D E A R R V L R R R L E L E A Y S S I T S V L R A Q Q
UniRef90_A7RTD9 V M C S K K M E V S R D E A K R I L R R R L E L E E A Y S S I V S V F R A Q Q
UniRef90_K7ISZ3 M S R D E C R K Y L R R F L E L E D A Y A K M V S V L R A Q Q
UniRef90_W4X1L7 L I Q V K N A D K E R S P D R V L E L D A Y G S M V S V L R A Q Q
UniRef90_T2MB95 E L T R E E A K R I L R R R L E L E D A Y S A I V V T A F R A Q Q
UniRef90_UPI0001A6361F W P L L L D Y N Q R E C L Q I L R R R L E L E D A Y S K I V A V L R A Q Q
UniRef90_D6WJS1 M W P V L L D M T K E E S M Q S L R R N L E L E A Y A H L V S A L R A Q Q
UniRef90_M0TF80 Y A R M Q N D M E T Q I H R L E Q E A Y S S V L R A F K A Q Q
UniRef90_T1GYH3 M W P R K L D L N Q D E C N S M L R Q I E L D C Y S S V I T A F R A Q Q
UniRef90_O64878 M Y D D L A A D M E A Q I H Q I E K E A Y I S V L R A F K A Q Q
UniRef90_A0A022QIP1 G N M P Y P R M Y D E A D M L A K I H H Q L E Q E A Y S S I L K A F K A Q Q
UniRef90_W9S7Q5 F P R M Y S D M E A Q I H H L E Q E A Y C A V L R A F K A Q Q
UniRef90_I1KT12 G S I P Y P R M H G E I D M E T Q I H Q L E K E A Y S S I L R A F K A Q Q
UniRef90_M4E3N5 G V V P I T P P A I E R V H N D M E T Q I H L I E Q E A Y S S I L R A F K A Q Q
UniRef90_V7BSX5 S Y P M M Y G E I D M E T Q I H Q L E K E A Y S A V L R A F K A Q Q
UniRef90_I1F989 M S V P E A R R V L R R I E L E A Y A S I V S A F R A E
UniRef90_A0A022RTH5 G S V P Y T R M Y D D A D M E A K I H Q L E K E A Y C S I L R A F K A Q Q
UniRef90_UPI0002C2ECD4 S V P Y S R M Y G D T G M E A Q I H Q L E K E A Y S S V L R A F K A Q Q
UniRef90_UPI0002C2FDC7 G S A P L P R M H G D M E T Q I H H I E Q E A Y C S V L R A F K A Q Q
UniRef90_M7Z678 S Y P R A Q T D M E T Q I Q Q L E Q E A Y C A V L R A F K A Q Q
UniRef90_W1PUU5 G S L P Y S R V Q N D M E T E I H W I E Q E A Y G S V L R A F K A Q Q
UniRef90_V4U536 S L P R M Q N D M A T Q I H S V E Q D A Y S S V L R A F K A Q Q
UniRef90_UPI00042B16F7 M P V V W P T L L D L S R D E E C K R I L R K L E L E E A Y A G V I S A L R A Q Q
UniRef90_UPI0003D72275 Q N E M E R Q I H W L E Q E A Y S S V L R A F K A Q Q
UniRef90_D5AA46 D M E A Q I H H L E Q E A Y C S V L R A F K A Q Q
UniRef90_UPI0002B4715C G S A P Y S R M H T D M E A Q I H H L E Q E A Y C A V L R A F K A Q Q
UniRef90_V4S6J6 D M E A Q I H H L E Q E A Y C A V L R A F K A Q Q
UniRef90_UPI00042B094D H H L E Q E A Y S S V L R A F K A Q Q
UniRef90_K4C419 M M Y D E T D M E V E I H R L E Q E A Y S S V L R A F K A Q Q
UniRef90_M4FC82 G S G P F P R M Q N D M E I Q I H N I E L E A Y T S V L R A F K A Q Q
UniRef90_I3T9G1 M E A E I H N L E Q I A Y S A V L R A F K A Q Q
UniRef90_S8DF93 S L N N L D E E D C A Y L L K S L E L D A F S S V V N A M F R A Q Q
UniRef90_U1M6C3 D I E F Q I H R M E A K A Y H A V L R A F S A Q Q
UniRef90_UPI00046DE074 T Y D E E D C S Y M L R V L E K D A F S A V V S A F R A Q Q
UniRef90_E1FRW4 L E A Y A S I V S A F R A Q Q
UniRef90_N6U9A1 L E A Y A S I V S A F R A Q Q
UniRef90_V4VU67 E D M K L Q I H C L E K E A Y S H V L R A F I A Q Q
UniRef90_U5G8F1 Y S R V Q A D M E A Q I H H L E Q E A Y R A V L R A F K A Q Q
UniRef90_K4BH75 Y Q R M Y V D M E V E I H N L E Q D A Y G A L L R A F K A Q Q
UniRef90_H2YVZ1 Y N L N E Q D S I L A L R Q F E L E A Y S S T L T A L R A E
UniRef90_H2XQP8 Y S F N E R S L L K L R Q Y E F E A Y A S A V S A L R A E
UniRef90_M0TML5 P M S D K D L R D M E F Q V H C I E L E A Y S A V L R A F I A Q Q
UniRef90_UPI0003DE8EE1 G S I P Y P R M Y S E I D R E T Q I H L I E Q E A Y S S V L R A F K A Q Q
UniRef90_L8GN95 G V K R A K L E Q Q L R R L E V E A Y C A V V S A F R A Q Q
UniRef90_Q0J9D7 M P F S Y I R P H G D L E S E I H Q V E Q E A Y T G V L R A F K V Q
UniRef90_R0H8B9 D M E A Q I H T L E Q E A Y A V L R A L K A Q Q
UniRef90_A0A059D9F2 N N V E N Q I Y H I E Q E A Y C S I L R A F K A Q Q
UniRef90_E9GCQ4 M E L E T Y G A V V S T L R A Q Q
UniRef90_B9SI64 C E G D E M D I K F Q I H S L E T E A Y S V L R A F I A Q Q
UniRef90_H9J0K4 M I S V F R A Q Q
UniRef90_W1NDH8 G T M R P L M T L H G G A L P D M E S Q I H Y L E T E A Y S A V L K A F I A Q Q
UniRef90_M0SMZ9 M E V Q I H W L E Q D S Y S S V L R A F K A Q Q
UniRef90_V7CUR8 M D L E H Q I H Y L E T E A Y S S V L K A F I A Q Q
UniRef90_V8NGL9 M P V V W P T L L D L S R D E C K R V L R R K L E L E A Y A G V I S A L R A Q Q
UniRef90_V4TT53 E D V A A R I H R L E L H A Y R C T L E A L Y A S
UniRef90_G9L018 P T L L D L S R D E C K R I L R R K L E L E A Y A G V I S A L R A Q Q
UniRef90_B9SEM1 T N E E L A A E V H R L E L H A Y R C T M E A L R A S
UniRef90_G7JV93 T R K E L A M K I H R L E L H A Y R C T I E A L F A S
UniRef90_M0T473 R K D L Q E E I H Q L E L N A Y R S T L A L Y A S
UniRef90_F6HMM9 D N M D V T C E I H R M E M E A Y N A V L R A F I A Q Q
UniRef90_D2VDR9 N M M I D T D S L I T S S E K Q L V K R L R Q Y E T T A Y S S V V S A F R A Q Q
UniRef90_D5ADK2 E D E N K L T M H K L E A N A Y R S V L Q A F H A Q Q
UniRef90_Q9FG29 M E A Q I H I L E Q E A Y S A V L R A F Q A Q
UniRef90_G7L1J8 E N H I H S M E I Q A Y S S M L K A F I A Q Q
UniRef90_J3N2U8 D T A F Q I H C I K R S A Y A A L L T A F Y S Q
UniRef90_J3N2U8 D T A F Q I H C I K R S A Y A A L L T A F Y S Q
UniRef90_M5XFG8 E E D V P A G I H R L E L N A Y H S T L V A M H A S
UniRef90_B9G5W2 P M M D T L E A G D E A F Q I H R L K R S A Y A A V L R A F Y A Q
UniRef90_B9G5W2 P M M D T L E A G D E A F Q I H R L K R S A Y A A V L R A F Y A Q
UniRef90_A0A059CWP8 L K A E I H R L E L H A Y R C T L E A L Y A S

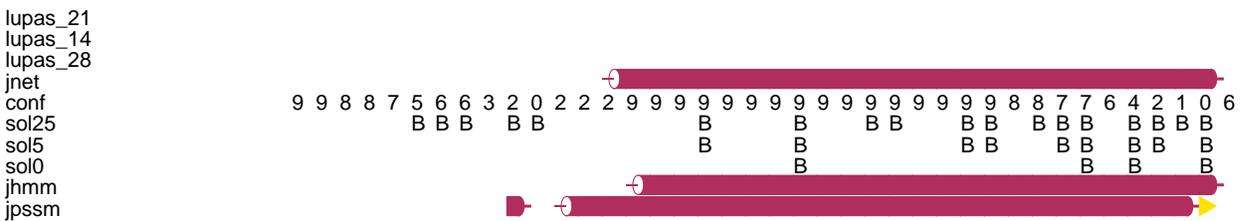
	90	100
QUERY	I A H N M S G P N S S S E W S I E G R R L V	
UniRef90_T1J4R7	I A D Q M V G P N T A S E W A I E G R R L I	
UniRef90_UPI0003F0EED1	I A D H L S G P N N S C I Q W G I E G R R L V	
UniRef90_W4Y309	I A E R V G G E N N S L E W S V I E G R R L V	
UniRef90_E2C6Q3	I A E Q L N G P N T G T D W T I E G R R T I	
UniRef90_K1QDS3	I A D H M C G P S T S D A E W M I E G R R L I	
UniRef90_R7TGF0	V A H K L A G P E S S E W V E G R R L V	
UniRef90_UPI0003C3A366	I A E A I S G P N T W Q E W S R E G R R	
UniRef90_G6CTK1	I A E Q L A G P N T G L G W I S E G R R R V	
UniRef90_T1KCA3	I A Y H V S G E E S H E W T V A G R R L I	
UniRef90_H2U097	I A Y Q D R N S K S S S E W S I E G R R L V	
UniRef90_V4BG11	I A H N I S G A N T T S E W L I E G R R L I	
UniRef90_E0VVG9	I A E L L F G P H T A I E W A L I E G R R S V	
UniRef90_U6IAZ2	I S E C V S G K R T D D S W Y F E G R R I	
UniRef90_X1YL01	V A E L V W G P N S S R D W C R E G H R T	
UniRef90_L5LVW9	I A H S M S G P N S S S E W S I E G R R L V	
UniRef90_UPI00035A1BD0	I A D N I A G C M S T A E W M V I E G R R L V	
UniRef90_UPI000441FEBE	I A H N M S G P N S S S E W S I E G R R L V	
UniRef90_Q08A72	I R E W R Q S G	
UniRef90_G7Y9W2	I S E T L C G K E A T D D W I S E G K R I V	
UniRef90_U6FX67	I S K F V C G Q D T D E N W V I E G R R I	
UniRef90_E9JCB3	I A E Q L N G P N T G I D W T L I E G R R T I	
UniRef90_B3S7M2	I A N R L S G S N S S E E W L S E G R R L	
UniRef90_A7RTD9	V A D C I Y G P S T C A E W A A E G R R L V	
UniRef90_K7ISZ3	I A E Q I F G P N T D T E W T V I E G R R I	
UniRef90_W4X1L7	I A E Q L N G P N T G I D W T L I E G R R S I	
UniRef90_T2MB95	V A E C M Q G S G T S T E W M Y E G R R I	
UniRef90_UPI0001A6361F	I S E A V C G K E V D E E W I L I E G K R I	
UniRef90_D6WJS1	I A Y Q V T G L T E S L I E W A Q E G R R S V	
UniRef90_M0TF80	I R E W R Q A G	
UniRef90_T1GYH3	I A D L V F G E S A S S E W R N E G R R T	
UniRef90_O64878	I R Q D L K S E H L S D E Q G M E	
UniRef90_A0A022QIP1	I R E W R Q S G	
UniRef90_W9S7Q5	I R E W V S R H N T S Q	
UniRef90_I1KT12	I R E W R Q A G	
UniRef90_M4E3N5	I R E W R K G N S	
UniRef90_V7BSX5	I R E W	
UniRef90_I1F989	I A D C V T G N E S K R S W L P E G R R T	
UniRef90_A0A022RTH5	I R E W R	
UniRef90_UPI0002C2ECD4	I R E W R Q G	
UniRef90_UPI0002C2FDC7	I R E W R S G P Q R S T	
UniRef90_M7Z2678	I R E W R S	
UniRef90_W1PUU5	I R E W R K	
UniRef90_V4U536	I R E W R K A S	
UniRef90_UPI00042B16F7	I R D W R Q	
UniRef90_UPI0003D72275	I R E W R Q G M S G P N S S S E W S I E G R R L V	
UniRef90_D5AA46	I R E W R Q G	
UniRef90_UPI0002B4715C	I R E W R Q A G G H L	
UniRef90_V4S6J6	I R D W R Q	
UniRef90_UPI00042B094D	I R E W R Q T G	
UniRef90_K4C419	I R E W R I S C M R	
UniRef90_M4FC82	I R D W R Q G	
UniRef90_I3T9G1	I R E W R K G S	
UniRef90_S8DF93	I R E W R	
UniRef90_U1M6C3	I A Q T L N P S D T Y T Q W G S A G	
UniRef90_UPI00046DE074	I R E W R N D A H C A Q E C G K A A P R	
UniRef90_E1FRW4	I A Q T L S P S D T Y A Q W G I E G	
UniRef90_N6U9A1	I A Y H S T G R E S F E D W A Q E G R R L V	
UniRef90_V4VU67	I R E W R K G A Q Q P Q E	
UniRef90_U5G8F1	I R E W R	
UniRef90_K4BH75	I R E W R K T N	
UniRef90_H2YVZ1	V A C S L N G N P C A T E W E K E G R H V M	
UniRef90_H2XQP8	V S Y S L N G E K S S I E W E R E G Q R I	
UniRef90_M0TML5	I R E S L K	
UniRef90_UPI0003DE8EE1	I R	
UniRef90_L8GN95	L A K L S A G L H T	
UniRef90_Q0J9D7	M R E F R Q G	
UniRef90_R0H8B9	I D D W R K G N K Q S	
UniRef90_A0A059D9F2	I R E W R K A N	
UniRef90_E9GCQ4	I A E R L S G A D T E W A W A L I E G R R V V	
UniRef90_B9SI64	I R E L R N G A H E S	
UniRef90_H9J0K4	I A E R L S G P N T G L G W I C E G R R K V	
UniRef90_W1NDH8	I R D W R E G	
UniRef90_M0SMZ9	I R Y	
UniRef90_V7CUR8	I R E Q R K L S S Y G K D Y I K A G P R	
UniRef90_V8NGL9	M S G P N S S S E W S I E G R R L V	
UniRef90_V4TT53		
UniRef90_G9L018		
UniRef90_B9SEM1		
UniRef90_G7JV93		
UniRef90_M0T473	I S	
UniRef90_F6HMM9	I R E W R K G T S Y A Q E	
UniRef90_D2VDR9	V A Q S	
UniRef90_D5ADK2		
UniRef90_Q9FG29	I R D S R	
UniRef90_G7L1J8	I R E Q R K	
UniRef90_J3N2U8	L S	
UniRef90_J3N2U8	L S	
UniRef90_M5XFG8		
UniRef90_B9G5W2	V	
UniRef90_B9G5W2	V	
UniRef90_A0A059CWP8		

UniRef90_UPI00032A77BD
UniRef90_B9H8E9
UniRef90_K3ZTY1
UniRef90_M0TDS8
UniRef90_H3FHA7
UniRef90_G7JBM1
UniRef90_G7JBM1
UniRef90_A0A022QNQ8
UniRef90_A0A059CMU0
UniRef90_W1P1E9
UniRef90_W1P7F3
UniRef90_M4CKU6
UniRef90_D8STY5
UniRef90_C5YIR5
UniRef90_F6H3T9
UniRef90_G7JB58
UniRef90_K4D4Z5
UniRef90_UPI0002C33E20
UniRef90_Q7EXY9
UniRef90_A0A059CQ27
UniRef90_E4X3W1
UniRef90_W5AGA7
UniRef90_W5AGA7
UniRef90_S8D7H7
UniRef90_W9QM37
UniRef90_J3MJ07
UniRef90_B4FBS1
UniRef90_K7MPG0
UniRef90_A9SR01
UniRef90_UPI00042B67BA
UniRef90_I1HYK4
UniRef90_I1Q8J0
UniRef90_K7VJG7
UniRef90_A7TD04
UniRef90_Q9SUU8
UniRef90_B9EY10
UniRef90_M0VY10
UniRef90_D5AE41
UniRef90_B9GKY6
UniRef90_W1PDN0
UniRef90_C5XQZ5
UniRef90_C5X0K7
UniRef90_C5X0K7
UniRef90_S9YQ26
UniRef90_D8SYS4
UniRef90_B9RV04
UniRef90_UPI0002B44359
UniRef90_K8ELE5
UniRef90_D8SVG5
UniRef90_D7LL63
UniRef90_K7KF21
UniRef90_M4CQP2
UniRef90_E6NUD7
UniRef90_UPI0002B49837
UniRef90_B8LQA9
UniRef90_C1E1M6
UniRef90_V4MF77
UniRef90_A4RU42
UniRef90_UPI00032ACB96
UniRef90_I0YLP8
UniRef90_I0Z2L4
UniRef90_Q01CZ5
UniRef90_W1P2D6
UniRef90_W1PA54
UniRef90_A0A024MPP3
UniRef90_E1ZS61
UniRef90_C1MLM4
UniRef90_Q69XL1

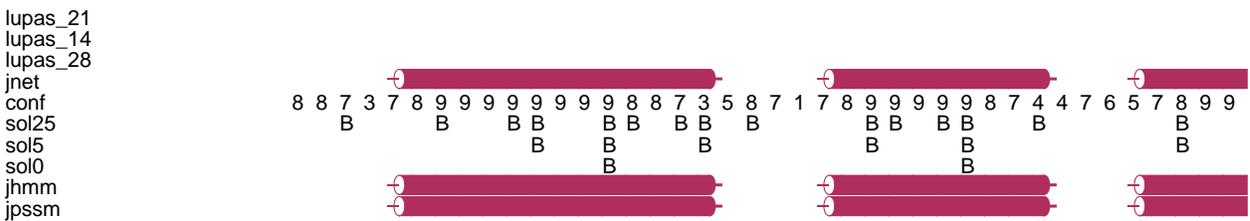
```

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

```

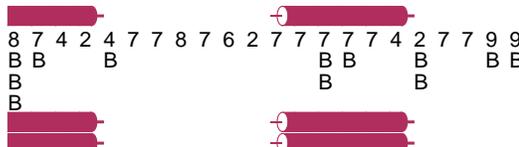


UniRef90_UPI00032A77BD S D L T W G K E E L L T E L R K E L L N I A D S E E H G E L L T K I N S D E S I R R
UniRef90_B9H8E9 G P L S W E Q E S L L T N L R R L S L L N I V S S D E A H Q Q L L R Q L L S T Q V L H S
UniRef90_K3ZTY1 S D I T T W E K E E S L L T T E N L R R E E L L R N I V S S D E A H Q Q L L R Q L L S T Q V L H S
UniRef90_M0TDS8 G G P L S W E Q E E S L L T T N L R R L S L L N I S S D N E E H L L H L R Q L L S T E V L
UniRef90_H3FHA7 G G P P S E H T F L L L N H K S A L S L N I S S D E L G R A E I R K A A V D P R L C K
UniRef90_G7JBM1 G G P L T W K K E E E V L T N L R R L L L N I S S I D E H L K G I K N L V S S V T S V Y
UniRef90_G7JBM1 G G P L T W K K E E E V L T N L R R L L L N I S S I D E H L K G I K N L V S S V T S V Y
UniRef90_A0A022QNQ8 G G P L S W E Q E E A M L T N L R R I S L S L H I S S N D E H L K E L K H L I S S T K T
UniRef90_A0A059CMU0 G G P L S W E Q E E A L L V T N L R R I S L S L H I S S N D E H L T E L K K L V S T D
UniRef90_W1P1E9 G G P L S W E Q E A L L T N L R R L S L L N I S S T N E E H L F E L R H L C T
UniRef90_W1P7F3 G G P L T W E H E A L L M T T L R L R L S L L H I S S I D E H L A E L R H L A S
UniRef90_M4CKU6 A D I T T W E K E S L I T T E L R R K E L R R V T D E Q H R E F L G K V A S D E S I K Q
UniRef90_D8STY5 S E I T T W A K E R L M T D L R R K E L R V T D E V E H R M L L N M V A S E E E A V H R
UniRef90_C5YIR5 S D L T W E K E S L M L T T E L R R R E L R K V S S N D E H H L M E L K N L I S S
UniRef90_F6H3T9 G G P L S W E Q S T M L T N L R R L S L L N I S S N D E H H L M E L K N L I S S
UniRef90_G7JB58 G G P L S W E K E E E L L T N L R R I S L L N I S S N D E H H L M G I K N L V S S
UniRef90_K4D4Z5 G G P L S W E Q E E A L L T N L R R I S L L N I S S N D E H H L T E L R T L V S S
UniRef90_UPI0002C33E20 G S L S W E Q Q D L L T T L R R M S L L H I S S N D E H H L M E V R N L I S S
UniRef90_Q7EXY9 S D I T T W E K E S L I T T E L R R K E L Q I S S D K E H H R V L L K G V T E E E A V C R
UniRef90_A0A059CQ27 G P M S W E Q E A L L T N L R R L S L L N I S S N D E H H L I E L R N L I S S E R R S L H
UniRef90_E4X3W1 D P L S P N A Q Q L V E S L K K T F K I S E P R H C A E V R R A C S D R Q L R E S
UniRef90_W5AGA7 S D L S R A K Q E C L A G L R N E L K I S S D T E H H R E Y V V K A S T N K H I K S
UniRef90_W5AGA7 S D L S R A K Q E C L A G L R N E L K I S S D T E H H R E Y V V K A S T N K H I K S
UniRef90_S8D7H7 G P L T W D L E T L T T L R R T M L H I S S N D E H H M R E L K H L I S A K K
UniRef90_W9QM37 G G P L S W E Q E S L L T N L R R L S L L N I S S N D E H H L H Q L K H L L S A Q V L
UniRef90_J3MJ07 G G P L T W E Q E S L L T N L R R L S L L N I S S N E E H L L Q L R H L L S
UniRef90_B4FBS1 G P L T W E Q E A L L T N L R R L S L L N I S S N E E H L L Q L R H L L S
UniRef90_K7MPG0 S E I T T W M K N T E L L S R V N A D D I T H R I R E W R K G N G L Q S G T
UniRef90_A9SR01 S E I T T W S K E G L M S D M R K E L R R V A D E Q H R E M L G K V G Q D E T L Q R
UniRef90_UPI00042B67BA G P L T W E Q E S L L T N L R R L S L L N I S S D E E Y L L H L R H L L S
UniRef90_I1HYK4 G S I T W E Q E S L L M T N L R R L S L L N I S S T D E H H L S E L R N L L A S
UniRef90_I1Q8J0 G P L T W E Q E S L L T N L R R L S L L N I S S T N E E H L L Q L R H L L S
UniRef90_K7VJG7 G A L S W E K E E L L S D L R L T N L H I S S N D E H L L
UniRef90_A7TD04 G D L S W R D K K E L L T D L R L Q L S N I S S T E R H H R A E I R R A Y S D D R L G A
UniRef90_Q9SUU8 G P L S W E K E A S L T D L R R L S L L N I S S D D E H H L M E V R N L I S
UniRef90_B9EY10 G A L T W E K E E L L T Q L R R L Q L H V S S D E H H L Q L I R A L N
UniRef90_M0VYI0 G P L T W A K E E L L S D L R R L Q L H V S S D E H H L Q A I W R L
UniRef90_D5AE41 G G P L S W D Q E A L L T N L R L S L L N V S S N D E H H L F E L R R L C S
UniRef90_B9GKY6 G P L S W E D E E N L T S L R D E L H I S S D D E H H L M V L R N L T S
UniRef90_W1PDN0 G D P K W G H E V L L A E L R T A L A I S S N D E H H V E E L K R V T S N K F I A T
UniRef90_C5X0Z5 G D L S W E K E E L L S D L R R V H L H I S S N D E H H L Q V L N V I L N R K S R T
UniRef90_C5X0K7 N H L S L L Q V K L L S Q L K N E L R I S H S E H H K E V L M K V S L N E H I K S
UniRef90_C5X0K7 N H L S L L Q V K L L S Q L K N E L R I S H S E H H K E V L M K V S L N E H I K S
UniRef90_S9YQ26 G D L T K E K K D L L G E L S K V L S
UniRef90_D8SYS4 S D L S W G R E R L M S D L R R K E L R V S D E L H R E F L S R M P E D K T V M Q
UniRef90_B9RV04 G P L S W E D E A K L T N L R D M L H I S S D D E H H L K V L R L I S
UniRef90_UPI0002B44359 G P L S W E K E L L T D L R L S L L N I S S N D E H H L M E L K N L V S T I Y I N S
UniRef90_K8ELE5 G L T W E R E D L I A K L R L E L N V S N E D H H M K V R E N V G G D E N V K R
UniRef90_D8SVG5 S E I S W A K E R L I S D L R R K E L R N V T D A Q H H R D L L A K V A G D D S L R Q
UniRef90_D7LL63 G P L S W D Q E A S L T D L R L S L L N I S S N D E H H L M E L R N L V S
UniRef90_K7KF21 S D K N L R K E S L L T Q L W K E L R I S Y D D N P K F L R R V N S D K T L I S
UniRef90_M4CQP2 G P L T W E Q E T W I T N L R R L S L L N I S S N E E H H L M Q I K N L I S D D N S T T
UniRef90_E6NUD7 G P L T W E D E A R L T N L R L R M L H I S S D D E H H L M V L R N L I S
UniRef90_UPI0002B49837 G P L S W E D E G Q V S N I R A S L H I S S N D E Y L M E L R N L M S A N T R A T
UniRef90_B8LQA9 G A H N W K L E T L A T D R E V L H I N N E E H A N E L R
UniRef90_C1E1M6 G M S W E R D D L A T K L R Q E L N I S S N D D H T R I R E K L S D D E R I K T
UniRef90_V4MF77 G P L S W E Q E T S L T D L R L S L L N I S S D D E H H L M E
UniRef90_A4RU42 G L T W E R E E F L G R L R V E L N V S S E E H H L K M R D Q V I E T D E R V A K
UniRef90_UPI00032ACB96 S Q F N K G K F L L N A L M K E L M I T N D E Y R E I I J E V I N D T T V R R
UniRef90_I0YLP8 T Q M D W S K E K L L T D L R K E L Q I T T Q E H F E V L T A V M Q D K E I E A
UniRef90_I0Z2L4 Q S Y D L K K E E L M L A Q L R T E L K I S S D E R H E E L R Q C I S N E E L K A
UniRef90_Q01CZ5 G L T W E R E E F L G R L R L E L N V S S E D H H M R L R E Q M D S D E N V S R
UniRef90_W1P2D6 G D H K W G N E I F L A G L R A A L A I T N D E H H M E E L K R V T S
UniRef90_W1PA54 G D H T W G N E I F L A G L R A A L A I S S N D E H H M E E L K R V T S N K F I T S
UniRef90_A0A024MPP3 G M L N G Y K R I L L E H K T A F L S P
UniRef90_E1ZS61 E S L R W E Q E D V L T K L R D F W N I S N Q M H S T I T S E M R S D
UniRef90_C1MLM4 G M S W D R D E L A T K L R R E L N V S N D D H T R I R E K L S E D E R V S N
UniRef90_Q69XL1 G S I S W E Q E A L L T N L R L T L N I S T D E H L A E L R S M V S S A I T S R



UniRef90_UPI00032A77BD 90 100
UniRef90_B9H8E9 R E Q R K M A S H P Q D Y K A
UniRef90_K3ZTY1 R E R R T
UniRef90_M0TDS8
UniRef90_H3FHA7 L A K T L N P N D T C T E W S L E C R S L V
UniRef90_G7JBM1 I S
UniRef90_G7JBM1 I S
UniRef90_A0A022QNQ8
UniRef90_A0A059CMU0
UniRef90_W1P1E9
UniRef90_W1P7F3
UniRef90_M4CKU6
UniRef90_D8STY5 I Q Q L S A V P
UniRef90_C5YIR5 I R Q S R Q G
UniRef90_F6H3T9
UniRef90_G7JB58
UniRef90_K4D4Z5
UniRef90_UPI0002C33E20
UniRef90_Q7EXY9 I R Q S R Q
UniRef90_A0A059CQ27 I S
UniRef90_E4X3W1 V E K Q V R G H D T S T A W L R R V R R T V
UniRef90_W5AGA7 L S A W Y K G N I G N A E V A K E
UniRef90_W5AGA7 L S A W Y K G N I G N A E V A K E
UniRef90_S8D7H7
UniRef90_W9QM37
UniRef90_J3MJ07
UniRef90_B4FBS1
UniRef90_K7MPG0 V A Q Q V H D H N T S S
UniRef90_A9SR01 I R T W R Q
UniRef90_UPI00042B67BA
UniRef90_I1HYK4
UniRef90_I1Q8J0
UniRef90_K7VJG7
UniRef90_A7TD04 V A D W
UniRef90_Q9SUU8
UniRef90_B9EY10
UniRef90_M0VYI0
UniRef90_D5AE41
UniRef90_B9GKY6
UniRef90_W1PDN0
UniRef90_C5XQZ5
UniRef90_C5X0K7 L R K F S L A N
UniRef90_C5X0K7 L R K F S L A N
UniRef90_S9YQ26 M S G P N S S S E W S I E G R R L V
UniRef90_D8SYS4 I R D C R
UniRef90_B9RV04
UniRef90_UPI0002B44359 I R T C L S
UniRef90_K8ELE5 L R D
UniRef90_D8SVG5 I R D
UniRef90_D7LL63
UniRef90_K7KF21 I R E S R Q
UniRef90_M4CQP2 Y R
UniRef90_E6NUD7
UniRef90_UPI0002B49837 I
UniRef90_B8LQA9
UniRef90_C1E1M6 I R E N
UniRef90_V4MF77
UniRef90_A4RU42 L R Q G L T D H K D T Q E
UniRef90_UPI00032ACB96 V S E W R
UniRef90_I0YLP8 L R E N
UniRef90_I0Z2L4 R A P S V V G L S S D S E
UniRef90_Q01CZ5 L R H G Y A E H R D T Q E
UniRef90_W1P2D6
UniRef90_W1PA54
UniRef90_A0A024MPP3 S Y D T Y A Q W G I E G
UniRef90_E1ZS61
UniRef90_C1MLM4 L R E
UniRef90_Q69XL1

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm



8 7 4 2 4 7 7 8 7 6 2 7 7 7 7 4 2 7 7 9 9
B B B B B B B B
B B
B