

QUERY
UniRef90_D3S1Z8
UniRef90_D5EBJ6
UniRef90_M1Q6F3
UniRef90_E4NR68
UniRef90_Q0W2E7
UniRef90_V4GP15
UniRef90_H3ZPQ4
UniRef90_Q97BY9
UniRef90_G0LLV1
UniRef90_M0L3F9
UniRef90_E1RIL9
UniRef90_F8AN28
UniRef90_L0HBQ7
UniRef90_T0LSC6
UniRef90_B519F9
UniRef90_Q6L230
UniRef90_O27380
UniRef90_U1QXV0
UniRef90_T0LU04
UniRef90_D1JGX8
UniRef90_T0LN97
UniRef90_E3GW39
UniRef90_U1N5Z4
UniRef90_G7WL85
UniRef90_F6D517
UniRef90_J0S1J7
UniRef90_C7NZL0
UniRef90_M0H269
UniRef90_X1JS74
UniRef90_V4Y093
UniRef90_M0MQ79
UniRef90_Q3IP9
UniRef90_A5UN02
UniRef90_A4G098
UniRef90_Q8TUU5
UniRef90_D7DQH2
UniRef90_E1QUT5
UniRef90_M0MSP4
UniRef90_V4Y4U7
UniRef90_M7U416
UniRef90_N6UW15
UniRef90_R4W6A0
UniRef90_A2BNB1
UniRef90_U1P0N9
UniRef90_W0K3Y4
UniRef90_E0SNR1
UniRef90_M4YUQ5
UniRef90_I0A291
UniRef90UPI000360660D
UniRef90_Q74NI7
UniRef90_V6AU21
UniRef90_D5VT30
UniRef90_F3KMK5
UniRef90_A3MT99
UniRef90_I3TDT0
UniRef90_A8MC13
UniRef90_E8RAE0
UniRef90_Q975F4
UniRef90_A4YCT8
UniRef90_G0QFX8
UniRef90_D0KTF3
UniRef90_T0ZX44
UniRef90_W7KVJ8
UniRef90_X1K908
UniRef90_G2ML65
UniRef90_X1P9M3
UniRef90_M1IAM3
UniRef90_D6GUU9
UniRef90_B1L7B0
UniRef90_F4B8A4
UniRef90UPI0003677387
UniRef90UPI00037A85F7
UniRef90_M0NE38
UniRef90_G0QBT6
UniRef90_V4JMG0
UniRef90_T1A1K6
UniRef90_Q9YEM8
UniRef90_T0ZIL2
UniRef90_B7JV15
UniRef90_Q114E8
UniRef90_K9XJW2
UniRef90_B7KBC9
UniRef90_B4VRB8
UniRef90_K9T164
UniRef90_X1TP67
UniRef90_A0ZCG9
UniRef90_K9RMK0
UniRef90_K9ZE61
UniRef90UPI0003746906
UniRef90_K7WFA6
UniRef90_B2ITG1

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

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

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

P I V A A H Y V R E F A R L Y

QUERY UniRef90_D3S1Z8 UniRef90_D5EBJ6 UniRef90_M1Q6F3 UniRef90_E4NR68 UniRef90_Q0W2E7 UniRef90_V4GP15 UniRef90_H3ZPQ4 UniRef90_Q97BY9 UniRef90_G0LLV1 UniRef90_M0L3F9 UniRef90_E1RIL9 UniRef90_F8AN28 UniRef90_L0HBQ7 UniRef90_T0LSC6 UniRef90_B519F9 UniRef90_Q6L230 UniRef90_O27380 UniRef90_U1QXV0 UniRef90_T0LU04 UniRef90_D1JGX8 UniRef90_T0LN97 UniRef90_E3GW39 UniRef90_U1N5Z4 UniRef90_G7WL85 UniRef90_F6D517 UniRef90_J0S1J7 UniRef90_C7NZL0 UniRef90_M0H269 UniRef90_X1JS74 UniRef90_V4Y093 UniRef90_M0MQ79 UniRef90_Q3IP9 UniRef90_A5UN02 UniRef90_A4G098 UniRef90_Q8TUU5 UniRef90_D7DQH2 UniRef90_E1QUT5 UniRef90_M0MSP4 UniRef90_V4Y4U7 UniRef90_M7U416 UniRef90_N6UW15 UniRef90_R4W6A0 UniRef90_A2BNB1 UniRef90_U1PON9 UniRef90_W0K3Y4 UniRef90_E0SNR1 UniRef90_M4YUQ5 UniRef90_I0A291 UniRef90_UP1000360660D UniRef90_Q74NI7 UniRef90_V6AU21 UniRef90_D5VT30 UniRef90_F3KMK5 UniRef90_A3MT99 UniRef90_I3TDT0 UniRef90_A8MC13 UniRef90_E8RAE0 UniRef90_Q975F4 UniRef90_A4YCT8 UniRef90_G0QFX8 UniRef90_D0KTF3 UniRef90_T0ZX44 UniRef90_W7KVJ8 UniRef90_X1K908 UniRef90_G2ML65 UniRef90_X1P9M3 UniRef90_M1IAM3 UniRef90_D6GUU9 UniRef90_B1L7B0 UniRef90_F4B8A4 UniRef90_UP10003677387 UniRef90_UP100037A85F7

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

QUERY	90	100	110	120
UniRef90_D3S1Z8	A K T E L P Y V I E H I K Q D E K K Y V D F F N D S I T T R M H Q L E L L P G			
UniRef90_D5EBJ6	A K A E L P Y V I E K I V K D Q E E R F V K F F N E P I T T K L H Q L E L L P G			
UniRef90_M1Q6F3	A Q L E L P Y V L E Q S V K H H E E R F V K F F N D S I T T R L H M L E L L P G			
UniRef90_E4NR68	A N L E L P Y V V E D I V E E N E R R F V D F Y N D P I T L R L H Q L E L L P G			
UniRef90_Q0W2E7	A L S E L P F M E E K I V K E N E A K Y V E F F N I P I T T R L H M L E L L P G			
UniRef90_V4GP15	A K L E L P Y V L E E A I V K N N E E R R F V D F Y N D P I T L R L H Q L E L L P G			
UniRef90_H3ZPQ4	A K A E L P Y V L E E I V K N K Q E R F V K F F N E P I T N R L H S L E L L P G			
UniRef90_Q97BY9	A Q N E V E Y A V E D I I K T N E E R R F V D F Y N D P I T L R L H Q L E L L P G			
UniRef90_G0LLV1	A Q N E V E Y A V E D I I K T N E E R R F V D F Y N D P I T L R L H Q L E L L P G			
UniRef90_M0L3F9	A Q S E L E Y V V Q D L V E E D R F V D F Y N E P I T S K Q H M L H L P G			
UniRef90_E1RIL9	A K L E L P Y A I E K I V K E R R E P D F V T F F N K S T P K L H M L H L P G			
UniRef90_F8AN28	A K T E L P F Y V I K E A V K R N E E K K F I Q F I N E P I T N K M H S L H L P G			
UniRef90_L0HBQ7	A K G E L P F I I E K I V K E R R E P D F V T F F N K S T P K L H M L H L P G			
UniRef90_T0LSC6	A Q N E P Y V I E A A V K Q D E Q R Y I K F F N D S N T R L H S L E L L P G			
UniRef90_B519F9	A K S E L P Y V L E D I V K N R E E F F I K F F N E P I T T R L H M L E L L P G			
UniRef90_Q6L230	A V S E L P Y I I E D I I D K N P K K F I D F F N K P I T S R L H T L E L L P G			
UniRef90_O27380	A R V E L P Y V V E E I I K S N E E D R F V D F F N E P I S T R L H Q L E L L P G			
UniRef90_U1QXV0	A R Q E L E Y A V A E V V E R E E R R F V D F Y N D P I T L R L H Q L E L L P G			
UniRef90_T0LU04	A Q N E P F V L E E K I V V K E K E E K F V Q F N K P I N A R M H S L E L L P G			
UniRef90_D1JGX8	A K I E L P Y I L E E N I V V K E N E E K K Y V D F F N E S I T T R L H T L E L L P G			
UniRef90_T0LN97	A V T E L P Y I L E D I I D K N P K K F I D F F N K P I T S R L H T L E L L P G			
UniRef90_E3GW39	A R V E L P Y V V E E I V R S R E E N E F V E F F N K S I S T R L H Q L E L L P G			
UniRef90_U1N5Z4	G Q N E K Y A V V E E I I Q S D E D R F V S F Y N E P I T L R L H Q L E L L P G			
UniRef90_G7WL85	A R V E L P Y A I Q K I V L D K E A Y Y L R F F N E P I T T R M H A L E L L P G			
UniRef90_F6D517	A K L E L S Y V I E E I I K A K E E K F V E F F F N E S I S T R L H Q L E L L P G			
UniRef90_J0S1J7	G R V E L P F A I E A I V K E N E A R Y V E F F F N K P I T S K L H T F H L P G			
UniRef90_C7NZL0	A Q S E L D Y A V E D L V E A E A G R F V D F Y N D P I T L R L H Q L E L L P G			
UniRef90_M0H269	A S S E V E Y V V E D I D A D E E K R F V D F Y N D P I T L R L H Q L E L L P G			
UniRef90_X1JS74	A K A E L P V A I E G L I N E V P E R F I E F F F N R P I T T R F H Q L E L L P G			
UniRef90_V4Y093	A A A E V E Y A V E A I V D A D E E R R F V D F Y N E P I T L R L H Q L E L L P G			
UniRef90_M0MQ79	A R S E L E Y A V V E E I I D R D E A R F V G F Y N D P I T T R L H V L E L L P G			
UniRef90_Q3IPL9	A E S E L E Y A I E S I I V D A D E E A Q F V D F Y N D P I T T R L H V L E L L P G			
UniRef90_A5UN02	S R I E L E Y S I R E I V V K N N E E K F V E F F F N T A S T R L H K L E L L P G			
UniRef90_A4G098	A K T E L L H V I K E A V K A Q E E R F V E F F F N N P I T N R M H T L E L L P G			
UniRef90_Q8TUU5	A R E E L P H A V E E K I I E D N E E D F V R F F N E P I T P R L H Q L E L L P G			
UniRef90_D7DQH2	S K L E L V Y V I K E A K I I F N Q E G R F V D F F N K P I S S R L H S L E L L P G			
UniRef90_E1QUT5	A K N A L P E V V A K I V K A Q E N R F V D F F N K P I T L K M H S L E L L P G			
UniRef90_M0MSP4	A R S E L E Y A I E D T I D R D E E Q R F V D F Y N D P I T L R L H Q L E L L P G			
UniRef90_V4Y4U7	A G S E L E Y A V T Q I V E D D P E R F V G I Y S D P I S L R M H Q L E L L P G			
UniRef90_M7U416	A H G E M P Y I L L N I H S N E E R F V K F F N E A P I S T R F H V L E L L P G			
UniRef90_N6UW15	A K S E L L L Y V I M D A V R V I Q E E R F I K F F N E P I S T T K L H S L E L L P G			
UniRef90_R4W6A0	A N S E L L D Y V I D E L L E D E S S D R F V N V Y N E P I T T L R L H Q L E L L P G			
UniRef90_A2BNB1	A K S M L P S I V E Q I I V R N R E E Q I F V E F F F N I P I T T L R F H S L E L L P G			
UniRef90_U1PON9	A A S E L E Y V V E D I V D E D E E Q R F V D F Y N E P I S T L R L H Q L E L L P G			
UniRef90_W0K3Y4	A R S E L L D Y V V E D I V D E D E E Q R F V D F Y N E P I S T L R L H Q L E L L P G			
UniRef90_E0SNR1	A R E E N L E E K T V R R I V V E E K E R V F V E F F F N E A P I N I R M H S L E L L P G			
UniRef90_M4YUQ5	A H N E L E Y A V K M I V V E N D V P K F I A F F F N N P I T T L K K H A L E L L P G			
UniRef90_10A291	A K E N L V S V L S Q I I K E N E K Y F L K F F N N S P I T T L R M H M L E L L P G			
UniRef90_UP1000360660D	A K D E L P K V L S Q I I L D N E E K L F V E F F F N Q P I T T L K L H A L E L L P G			
UniRef90_Q74NI7	A K E Q L E K A I E Q I V K E R E E K E F V E F F F N M P I T T L R L H S L E L L P G			
UniRef90_V6AU21	A Q S E L R N V V N Q I V V A N N E K R F V D Y I N H P I T P R I H A L D L I P G			
UniRef90_D5VT30	A K T E L I Y N I M N A V Q Q Q E E R F I R F F N E P I T T T R L H S L E L L P G			
UniRef90_F3KMK5	A Q S E L H G V V E N I I V T N N E E T R F V E Y L N N P I T T P R L H A L E L L P G			
UniRef90_A3MT99	G R E E N L V A I V K K L I V V E Q Q E E S R F V K W L N E P I T T L K M H S L E L L P G			
UniRef90_I3TDT0	A R S N L P E A L K R V V V A E N E K L Y T E F F F N E P I N I R L H A L E L L P G			
UniRef90_A8MC13	A K Q E L E A V E K K I V V K V R E E K F F I D W I N K P I T T L R L H A L E L L P G			
UniRef90_E8RAE0	A K T N L P P E A V K L I V V L E N E E G V F V E F F F N E P I T T L R L H A L E L L P G			
UniRef90_Q975F4	A K D E L P K V I R K I I T E D K S I F V E F F F N K P I T T L K L H A L E L L P G			
UniRef90_A4YCT8	A K D N L G K I I L E K I I V T A K E S Q F V N F F N K P I T T L K L H A L E L L P G			
UniRef90_G0QFX8	A Q K E L K Y V L Q E L I S Q K E D E F V D F Y N E P I T P R R H A F E L L P G			
UniRef90_D0KTF3	S R D N L P K I I L Y K I I S Q K E D E F V E I F N K P I T T L R L H A L E L L P G			
UniRef90_T0ZX44	A R T E L L P A I L K R I I V E G N P A R F L R F F N E A V S R F H L E L L P G			
UniRef90_W7KVJ8	A K D A L P R V V K K I I V V D R E E K E F V E F F F N K P I T T L K L H S L E L L P G			
UniRef90_X1K908	A Q S E L P Y V I L E I V R Q Q E E R F V K F Y N E A I S T R Y H M L E L L P G			
UniRef90_G2ML65	A E Q E L L D Y V V E E I I D R H E E Q R F V D Y F N D P I T T L R L H Q L E L L P G			
UniRef90_X1P9M3	S K S E L N F I I I E E I I V V K K N E E K K F I E F F F N K P I N T R R H Q I E L L P G			
UniRef90_M1IAM3	A R E E L V K V L R N I I L Q K E E I F V K F F N E P I T T L K L H A L E L L P G			
UniRef90_D6GU09	G L A S L N D R I A T I V K E N E E K Y I I D I I N K S I V N V R L H S F H L E L L P G			
UniRef90_B1L7B0	A K M L L E S V V S R I I V K E G E Q F V N L F N E P I T T L R L H Q L E L L P G			
UniRef90_F4B8A4	A K D T L I N R V I K K I I E E K E K L F V E F F F N E P I T P R L H S L E L L P G			
UniRef90_UP10003677387	A K A N L S N I I I R R I I K E N E E S F F V N F F N T P L S P R T H S L E L L P G			
UniRef90_UP100037A85F7	A K I E L D N I I R Q I V K T D E Q R F V E F F F N T P L S P R T H S L E L L P G			
UniRef90_M0NE38	A Q D R L K E T I T A I I A D N E E Q R F V D W Y N N P I G L R K H Q L D V L P G			
UniRef90_G0QBT6	A Q S E L E Y V L K A I I V D E E E E R F V E F F F N N P I T P R R H A F E F L L P G			
UniRef90_V4JMG0	A E S N L K D A V K I I V R S R E E K E F V E F F F N K P I N I R L H A I E L L P G			
UniRef90_T1A1K6	G R A E L P G A L E R I I V R G H P E R F L R F F N E A V S R F H L L E L L P G			
UniRef90_Q9YEM8	A R A T L P D A V R K I I V D F E E D F V E F F F N E P I N I R L H A L E L L P G			
UniRef90_T0ZIL2	Q G N L K G I L N I I K A N P Q R F V G F F N N P I N I R L H A L E L L P G			
UniRef90_B7JV15	A Q L G L P D F V Q K K I I Q K D T D N C P T F I I N L N T A T Q A E E L E S L P G			
UniRef90_Q114E8	A T M G I P S W L I K K I V V E K Q Q E C T N N K I I N L N T A T A E E L L E T L P G			
UniRef90_K9XJW2	A Q L G V P V S V Q T K I I K E Q V C V H D T K V N L N T A S L E E E L L E T L P G			
UniRef90_B7KBC9	A S L G I P T Y I V A Q K I I E Q D R R Q T C S Q E L I I N T A T Q D E L L E T L P G			
UniRef90_B4VRB8	A I L G V P V A V Q R R I I Q N Q Q Q S C D Q I I V V N L N T A T Q D E L L E T L P G			
UniRef90_K9T164	UniRef90_X1TP67	A I L G V P A T L Q K Q I I K A E A N K C T N G L I I N I A S P E E L E T L P G		
UniRef90_A0ZCP9	S R A L I Q P I L E K E I I N Y E E F L N F F N N S			
UniRef90_K9RMK0	A K L G V P L S V Q K I I S A E E K Q C P Q I I V V N L N T A T L E E L V T L P G			
UniRef90_K9ZE61	A E F D I P R R I I E K K I V K Q Q E K C G E I I V V D I N T A T V E E L V T L P G			
UniRef90_UP10003746906	M K P G L P P N I Q A K I I D A Q V V K N C P Q I T V V N L N T A N Q E E L L E T L P G			
UniRef90_K7WFA6	V K L G L P P K I I E S K I I T T K E Q C P Q I K N N I I N T A S Q A E E L L E T L P G			
UniRef90_B2ITG1	I K P G L P P A N I K S K I I D K Q P S S F V N S I I N I A S P E E L E T L P G			
SSSE	S S S E L Q A I K Q I	N I N I A S L P E E L E T L P G		

QUERY

UniRef90_D3S1Z8
UniRef90_D5EBJ6
UniRef90_M1Q6F3
UniRef90_E4NR68
UniRef90_Q0W2E7
UniRef90_V4GP15
UniRef90_H3ZPQ4
UniRef90_Q97BY9
UniRef90_G0LLV1
UniRef90_M0L3F9
UniRef90_E1RIL9
UniRef90_F8AN28
UniRef90_L0HBQ7
UniRef90_T0LSC6
UniRef90_B519F9
UniRef90_Q6L230
UniRef90_O27380
UniRef90_U1QXV0
UniRef90_T0LU04
UniRef90_D1JGX8
UniRef90_T0LN97
UniRef90_E3GW39
UniRef90_U1N5Z4
UniRef90_G7WL85
UniRef90_F6D517
UniRef90_J0S1J7
UniRef90_C7NZL0
UniRef90_M0H269
UniRef90_X1JS74
UniRef90_V4Y093
UniRef90_M0MQ79
UniRef90_Q3IP9
UniRef90_A5UN02
UniRef90_A4G098
UniRef90_Q8TUU5
UniRef90_D7DQH2
UniRef90_E1QUT5
UniRef90_M0MSP4
UniRef90_V4Y4U7
UniRef90_M7U416
UniRef90_N6UW15
UniRef90_R4W6A0
UniRef90_A2BNB1
UniRef90_U1PON9
UniRef90_W0K3Y4
UniRef90_E0SNR1
UniRef90_M4YUQ5
UniRef90_10A291
UniRef90_UP1000360660D
UniRef90_Q74NI7
UniRef90_V6AU21
UniRef90_D5VT30
UniRef90_F3KMK5
UniRef90_A3MT99
UniRef90_I3TDT0
UniRef90_A8MC13
UniRef90_E8RAE0
UniRef90_Q975F4
UniRef90_A4YCT8
UniRef90_G0QFX8
UniRef90_D0KTF3
UniRef90_T0ZX44
UniRef90_W7KVJ8
UniRef90_X1K908
UniRef90_G2ML65
UniRef90_X1P9M3
UniRef90_M1IAM3
UniRef90_D6GUU9
UniRef90_B1L7B0
UniRef90_F4B8A4
UniRef90_UP10003677387
UniRef90_UP100037A85F7
UniRef90_Q9YEM8
UniRef90_T0ZIL2
UniRef90_B7JV15
UniRef90_Q114E8
UniRef90_K9XJW2
UniRef90_B7KBC9
UniRef90_B4VRB8
UniRef90_K9T164
UniRef90_T1A1K6
UniRef90_Q9YEM8
UniRef90_T0ZIL2
UniRef90_B7JV15
UniRef90_Q114E8
UniRef90_K9XJW2
UniRef90_B7KBC9
UniRef90_B4VRB8
UniRef90_K9T164
UniRef90_X1TP67
UniRef90_A0ZCG9
UniRef90_K9RMK0
UniRef90_K9ZE61
UniRef90_UP10003746906
UniRef90_K7WFA6
UniRef90_B2ITG1

	130	140	150	160
V G K K M M W A	I I E R K K R P F E S F E D I A Q R V K G I Q R P E K L I V S			
I G K K T T M W A	L L E E R K K E P F K S F E D I A K R V K G L S H P E K C I V N			
I G K K L M W A	I I D E R K K G E F K S L E E L H E R I V P S L H D P A K V I S H			
I G K K L R N N	I I L D E R K R G P Y E S F E D I E D R I V S G L H H P R D V L V E			
I G K K L M M W A	V I I D E R K K R G K F K S F E D I E E R I V K G L H H P D K L I A R			
I G K K L R N N	V L I D E R K K R G P F F E S F E D I E E R I V S G L H R P K E V L V E			
I G K K L H M W D	I I L E E R E R E R E P F K S F E D I K H R V K G L P D P V K M I A R G			
L G N K T T M W A	I I L D E E R K K K P F D S F E D I E E R I V V N R V K S I H N P Q K M I A G			
I G K K L R N N	I I L D Q R K R G P F F E S F E D I E E R I V A G L H H P S S V L K D			
I G K K L R N S	I I L D E R K R K P F F E S F E D I L S E R V V S G L H D P D E V L V E			
I G K K L M W E	I I L D E R E N K P F F E N F A D I V S E R I V K T I P H P E Q M I I K			
I G K T T M W K	I I E E R E A K P F F E S F E D I V E K R I V H R N L L D A I I S K			
I G K K L M W E	I I L E S R N R K P F F E S F A D I S A R I V K A I P H P A K M V Q A G			
L G N K S M W N	I I L D E R K K K P F D S F A D I L S E R V V K T I H N P A K M V Q A G			
L G K K T T M W A	L L E E R K K G P F K D F E D I L R N R V K G L L T H H P V K L I V N			
L G N K S M W S	I I L E E R K K K P F F E S F E D I S E R V V K S V H N P K K M I V N			
I G K K L H M W D	I I L K A R E E K P F F E S F E D I V K N R V P M L S D P V K L I V R			
I G K K L R N N	V L I D E R K R E P F D S F E A V E D R I V A G L H N P E E V L V D			
L G N K T T M W T	I I E E R K K K P F F A S F Q D L A D D L A D R I V K T I H N P Q K M V A S K			
I G K K L M W A	I I L E E R K K K P F F A S F Q D L A D D L A D R I V K T I H H P E K I A K			
L G K K T T M W A	I I L E E R K K K P F F A S F Q D L A D D L A D R I V K T I H H P E K M I A V			
I G K K L M W E	I I L E E R K K K P F F A S F Q D L A D D L A D R I V K T I H H P E K I A K			
I G K K Y M W E	I I K A R E E K P F F K S F E D I I K K R R V P S L S D P V K I I L V K			
I G K K L R N D	I I L D Q R K R G P F F S S F S E I I E Q R I V T G L H N P A E I L A E			
I G K K L M W A	I I L N E R K K G P F F K S F E D I L S E R V V K G L Y N P E K L L A K			
I G K K L H M W D	I I D A R Q E K K F F E S F E D I K K R V P M L A D P V K L L A K			
I G K K L M W E	I I L E E R E K K K S F F E S F E D I A L R I V K S L P S P V K L I V G			
I G K K L R N S	I I L D E R K R K P F F E S F E E L E E R I V V S G L H N P K E V L V E			
I G K K L R N N	I I L D A R K R Q P F F E D F D D I E E R I V V S G L H D P K G V L I E			
I G K K Y M W E	I I V E A R K E K P F F E S F E D I T K R I V P S L N N P A E M I V N			
I G K T S M W K	V I I E E R E I K K F F E S F K D F E D R I V R K N I V D P L S K			
I G R K T L E R	I I E E R E K E P F F E S F L D D I K E R V V K G L R R H P R D M I K E Q			
I G K K T A M W K	I I E E R E K K K P F F E S F D D F D F E K R V V H K H N I V E V I A Q			
I G K K T L W Q	I I E E R R K K K P F Q S F E D I I K S R R V V G I D P E K L I I D			
I G K K L R N S	I I L D E R K R K P F F E S F D E L E E R I V V A G L H R P K E I L I I			
V G D T L R N R	V L I D A R K R G P F F E S F D D V E E R I V V S G F H D P R D T L I E			
L G K K M M L D	L V N A R K R K P F F A S F D E M D E R I V R D F L R A P D K L I A K			
I S K K Y M W R I	I I E E R E A K K F F E S F E D F K N R V V K K D P V K I I I A K			
I G D K L R D S	I I L E E R K R G P F F E S F D D V A D R R V D G L H D P K G V I R E			
V G K K T V L R	I I L E Q R E K E P F F K D F E D I A S R R V V G I D P V K I I L V E			
I G K K L R N D	I I L D A R K R R P F F E S F A D I L E E R I V V D G L H N P R E V L A D			
I G D K L R D N	I I L D E R K R G P F F E S F A D I L E E R I V V D G L H S P R E I I I E			
I G K K T L A M	I I E E R K K K F F D S F D D I R K R V L K N D P A K L F V D			
L G K K S M L A	I I L D E R K K G N F K D F E D I A A R V P S V K Q P E K L I I A E			
I G K R T L N V M	I I L D E R K R K P F F E S F E D I V Q R L T K I H N I E K V I A E			
V G K K T L R Q	I I L D E R K K K P F F E S F L K D V E E R I V G G L K A P V K M L V E			
I G K K T V N E	I I I S E R E R E E K F K S F E D I E K R I V P K L K N I V K I I A K			
I G K T Y M K A I	I I L D E R E K Q P F V D F F N D L Q N R V V G G L K E P M Q I A D			
I K H K L M W K	I I L E E R E K E P F K F Q S Y A D L Q E R R V G R D P I K L A K			
I G K T Y M K T M	I I E E R E K K K P F Q S Y A D L Q E R R V G G F K E P I R H I S E			
V G K K K V Q E	I I L E E R E R K K P F T T S Y E D V K Q R R V G I D L V E L I T D			
V G K K T M K T I	I I L E E R E S R R F E N F A D I I K E R V V K I D P I K T V V E			
I G K K T L N Q V	I I L E E R V K K P F F E S F D D F K N R I I G I N V Q R L I V E			
I G K K T M N Q	I I L D E R S K K R F F E S F E D I I R N R T R V D P V K A I V N E			
I G K K T L R I	I I L E E R K K Q P F V D F K D I E N R V V G I K D V V G L L I E			
I G K K T L R T	I I L E E R K R L P F F S S F A D I E T R R V V G I K N V K E I L V K			
I G T K H M Q A L	I I D E R E K E F F E S F E D I I K E R V V P S V D P Q K T V N D			
I G K K T L R I	I I L E E R K K K P F F E S F K D I E S R I V G V D V A S I L V E			
I G K K T M W A	I I V E E R K R R P F F E S F A D I I D R T R V L K D P V E S V V G			
I G K K T L R E	I I L E E R K K P F F S S F S D I E K R T T V L R N V A D I I T E			
L G K K T M W A	I I E E R K K A P F F E S F E E L E E R I S G L H D P K G T V V D			
I G K K T L R N D	I I L D S R K D G P F E R F E E L E E R I S G L H D P K G T V V D			
I G K K L H M W E	I I E E R K E K E F F E S F E D I I E S R I V G V K D V V N I L E E			
V G K K I V Q K I	I I L E E R R K Q L F T S Y K D I E S R I V G F T S D I A K S I E D			
I G K K T L L K I	I I L E E R T K A K P F F E S F E D I I A E R V A G I K D P A E L I I V R			
I G K K T L R E	I I L E E R K K P F F E S F E D I I E N R T G I K N I I D I I I A E			
I G K K T M E K I	I I L Y E R K I K A F E S Y E D I I K K R T G I S N I E E I I I Y E			
I G K K T V E K I	I I L F E R S R K K F F E S Y A D I I K N R C G I S N I E E I I I Y E			
I G N K R E A I	I I I D E C R R G A F T D F A D L I E A R V V E S L H D P Q A L L I E			
V G T K M R D R L	I I D E R E S E F F E S Y E D I I N D R L S S M R D V Q K L I T D D			
V G K K T L K A I	I I L D A R E R K P F Q S F D E I I K K L L K D D P V D V L A D			
V G K K K M A R H	I I L L E R E R R R F T S F E E V K K I L K I D P A E A L A E			
I G K K H L Q A I	I I L K A R T E K K F E S F E D I I T A R I A L L Q N P A E I I A Q			
I G E K T A Q K I	I I I E R Q K K P F T T S L I D D L T R V S G I L			
V G P K L A E R I	I I I Q A R K N K P F T T S L I A D L D Q I S G I G P K I L D K L S D			
V G E K T A Q K I	I I I T A R Q E K P F T T S L I A D L E R V S G I K K L V T Q L S D D			
I G P S L A Q K I	I I I K T R E E K P F T T S L I V Q D L E R V A G I G N K L K K L Q D D			
I G P K L A E R I	I I I T A R S Q K P F T T S L I A D L D R V S G I P H L L Q Q L D G G			
I G A K L A Q R I	I I I V E A R Q Q Q P F T T S L I E D L K R V S G I S S S K K K I E G			
I G E Q L A Q K I	I I I I A R Q Q Q K F T S L I A D L T R V S G I S K S T E K W R D			
V G K K L A E R I	I I I I K A R G E K R F D S L I E D L E R V K G G I G K K M L V K			
V G K K L A Q R I	I I I I L R A Q K Q K F T S L I Q D I E K I P G V S S			
V G K K L A R K I	I I I I L R Q Q Q K F T S L I Q D L E R V P G V S S A K M T T K			
V G K K L A Q R I	I I I I L A R Q Q Q K F T S L I Q D V D K V P G I S D K I L A K			
V G K K L A Q R I	I I I I L S R Q Q Q K F T S L I Q D L E R V P G V K			

170

QUERY
 UniRef90_D3S1Z8
 UniRef90_D5EBJ6
 UniRef90_M1Q6F3
 UniRef90_E4NR68
 UniRef90_Q0W2E7
 UniRef90_V4GP15
 UniRef90_H3ZPQ4
 UniRef90_Q97BY9
 UniRef90_G0LLV1
 UniRef90_M0L3F9
 UniRef90_E1RIL9
 UniRef90_F8AN28
 UniRef90_L0HBQ7
 UniRef90_T0LSC6
 UniRef90_B519F9
 UniRef90_Q6L230
 UniRef90_O27380
 UniRef90_U1QXV0
 UniRef90_T0LU04
 UniRef90_D1JGX8
 UniRef90_T0LN97
 UniRef90_E3GW39
 UniRef90_U1N5Z4
 UniRef90_G7WL85
 UniRef90_F6D517
 UniRef90_J0S1J7
 UniRef90_C7NZL0
 UniRef90_M0H269
 UniRef90_X1JS74
 UniRef90_V4Y093
 UniRef90_M0MQ79
 UniRef90_Q3IPL9
 UniRef90_A5UN02
 UniRef90_A4G098
 UniRef90_Q8TUU5
 UniRef90_D7DQH2
 UniRef90_E1QUT5
 UniRef90_M0MSP4
 UniRef90_V4Y4U7
 UniRef90_M7U4I6
 UniRef90_N6UWI5
 UniRef90_R4W6A0
 UniRef90_A2BNB1
 UniRef90_U1PON9
 UniRef90_W0K3Y4
 UniRef90_E0SNR1
 UniRef90_M4YUQ5
 UniRef90_I0A291
 UniRef90_UP1000360660D
 UniRef90_Q74NI7
 UniRef90_V6AU21
 UniRef90_D5VT30
 UniRef90_F3KMK5
 UniRef90_A3MT99
 UniRef90_I3TDT0
 UniRef90_A8MC13
 UniRef90_E8RAE0
 UniRef90_Q975F4
 UniRef90_A4YCT8
 UniRef90_G0QFX8
 UniRef90_D0KTF3
 UniRef90_T0ZX44
 UniRef90_W7KVJ8
 UniRef90_X1K908
 UniRef90_G2ML65
 UniRef90_X1P9M3
 UniRef90_M1IAM3
 UniRef90_D6GUU9
 UniRef90_B1L7B0
 UniRef90_F4B8A4
 UniRef90_UP10003677387
 UniRef90_UP100037A85F7
 UniRef90_M0NE38
 UniRef90_G0QBT6
 UniRef90_V4JMG0
 UniRef90_T1A1K6
 UniRef90_Q9YEM8
 UniRef90_T0ZIL2
 UniRef90_B7JV15
 UniRef90_Q114E8
 UniRef90_K9XJW2
 UniRef90_B7KBC9
 UniRef90_B4VRB8
 UniRef90_K9T164
 UniRef90_X1TP67
 UniRef90_A0ZCG9
 UniRef90_K9RMK0
 UniRef90_K9ZE61
 UniRef90_UP10003746906
 UniRef90_K7WFA6
 UniRef90_B2ITG1

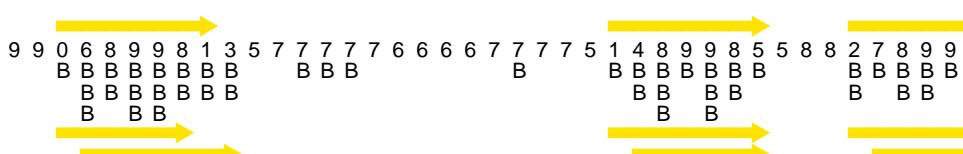
R I | Y E | K N P Q T K Y K | F T A
 R | I H E L Q N P R E K Y K | F T A
 R | I E E E L K D D N I K Y R | F T T
 R | E E E I K D E T I K Y R M Y A
 R | L E E E L R D D D L K Y K T F V G
 R | L D E E L E N K D R Y E K Y K | F V G
 R | I E E E L K D R Y E K Y K | F V S
 R | L E E E L H E D D L K Y N V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

UniRef90_D8FTJ2
 UniRef90_K9TPN1
 UniRef90_K9VEI1
 UniRef90_UP100037FD482
 UniRef90_K9QM97
 UniRef90_F7USV5
 UniRef90_X0X7A7
 UniRef90_B0CC58
 UniRef90_B8HTE6
 UniRef90_K8GTK0
 UniRef90_H9UEP0
 UniRef90_R6WT79
 UniRef90_UP10002F24AC7
 UniRef90_Q83MW2
 UniRef90_R5ZAH8
 UniRef90_R6V7M5
 UniRef90_E1SZE8
 UniRef90_UP1000234E8A3
 UniRef90_M1Z4E5
 UniRef90_E6KZZ8
 UniRef90_UP100037D3199
 UniRef90_U4KNT0
 UniRef90_R5L8B6
 UniRef90_F5RLT4
 UniRef90_R7MC49
 UniRef90_R5C2R9
 UniRef90_B9K9Q8
 UniRef90_F0YXQ4
 UniRef90_K0IXL8
 UniRef90_W5HD22
 UniRef90_UP10003B4604A
 UniRef90_M9W2Q0
 UniRef90_UP100034A776C
 UniRef90_W8RJN8
 UniRef90_W1IZJ4
 UniRef90_R5AJR4
 UniRef90_K2BW26
 UniRef90_A3J4V1

1 10 20 30 40

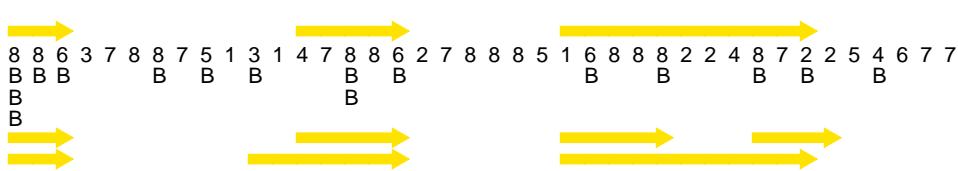
R E [V V I L D L L I] H G H [L] E E N K P S W A K K P [I] A Q [V L] T F P D F [V L] Y E
 G [I] G E R T [L] E K
 T [L] V E
 S D K N K T S K E Y [I] L V Q [V] G G
 K K P G [V] Y A [V] G S R [V] F E
 R S [I] V V Y [V] T G E
 E A [I] A [L] A G G [L] K D A A A G E
 N Q F F [L] N E
 R K P G [V] Y A F M A E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

lupas_21
 lupas_14
 lupas_28
 jnet
 conf
 sol25
 sol5
 solo
 jhmm
 jpssm



UniRef90_D8FTJ2
 UniRef90_K9TPN1
 UniRef90_K9VEI1
 UniRef90_UP100037FD482
 UniRef90_K9QM97
 UniRef90_F7USV5
 UniRef90_X0X7A7
 UniRef90_B0CC58
 UniRef90_B8HTE6
 UniRef90_K8GK0
 UniRef90_H9UEP0
 UniRef90_R6WT79
 UniRef90_UP10002F24AC7
 UniRef90_Q83MW2
 UniRef90_R5ZAH8
 UniRef90_R6V7M5
 UniRef90_E1SZE8
 UniRef90_UP1000234E8A3
 UniRef90_M1Z4E5
 UniRef90_E6KZZ8
 UniRef90_UP100037D3199
 UniRef90_U4KNT0
 UniRef90_R5L8B6
 UniRef90_F5RLT4
 UniRef90_R7MC49
 UniRef90_R5C2R9
 UniRef90_B9KQ8
 UniRef90_F0YXQ4
 UniRef90_K0IXL8
 UniRef90_W5HD22
 UniRef90_UP10003B4604A
 UniRef90_M9W2Q0
 UniRef90_UP100034A776C
 lupas_21
 lupas_14
 lupas_28
 jnet
 conf
 sol25
 sol5
 sol0
 jhmm
 jpssm

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

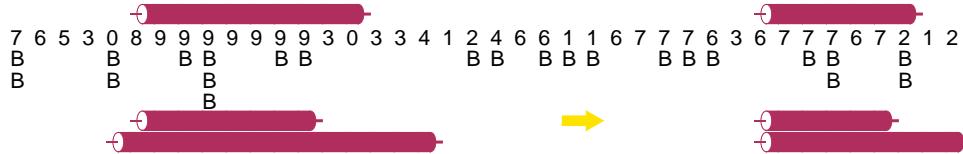


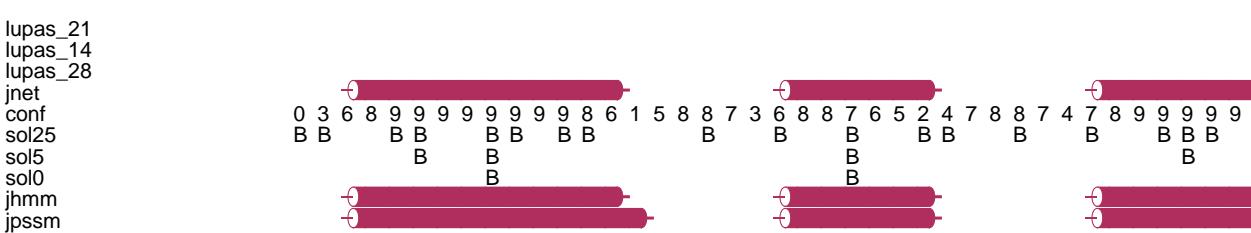
UniRef90_D8FTJ2
 UniRef90_K9TPN1
 UniRef90_K9VEI1
 UniRef90_UP100037FD482
 UniRef90_K9QM97
 UniRef90_F7USV5
 UniRef90_XOX7A7
 UniRef90_B0CC58
 UniRef90_B8HTE6
 UniRef90_K8GK0
 UniRef90_R6WUEP0
 UniRef90_R6WT79
 UniRef90_UP10002F24AC7
 UniRef90_Q83MW2
 UniRef90_R5ZAH8
 UniRef90_R6V7M5
 UniRef90_E1SZE8
 UniRef90_UP1000234E8A3
 UniRef90_M1Z4E5
 UniRef90_E6KZZ8
 UniRef90_UP100037D3199
 UniRef90_U4KNT0
 UniRef90_R5L8B6
 UniRef90_F5RLT4
 UniRef90_R7MC49
 UniRef90_R5C2R9
 UniRef90_B9K9Q8
 UniRef90_F0YXQ4
 UniRef90_K0IXL8
 UniRef90_W5HD22
 UniRef90_UP10003B4604A
 UniRef90_M9W2Q0
 UniRef90_UP100034A776C
 UniRef90_W8RJN8
 UniRef90_W11ZJ4
 UniRef90_R5AJR4
 UniRef90_K2BW26
 UniRef90_A3J4V1

90 | E A Q K Q | C A K K L | V N L | N V A N Q A E | L E T | L P G
 100 | C P S A R I | N V N R A T Q E E | L E E E | L E T | L P G
 110 | C P T G L V N L | N A A S Q E E | L E A L | L E A L | L P G
 120 | C P N R L V N L | N R G S Q E E | L E S | L P G

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

lupas_21
 lupas_14
 lupas_28
 jnet
 conf
 sol25
 sol5
 sol0
 jhmm
 jpssm





UniRef90_D8FTJ2
 UniRef90_K9TPN1 R V
 UniRef90_K9VEI1
 UniRef90_UP100037FD482 R V E
 UniRef90_K9QM97 R I E
 UniRef90_F7USV5
 UniRef90_XOX7A7
 UniRef90_B0CC58 K L L E Q L R N K
 UniRef90_B8HTE6 K V
 UniRef90_K8GTK0 H V E
 UniRef90_H9UEP0
 UniRef90_R6WT79
 UniRef90_UP10002F24AC7
 UniRef90_Q83MW2 K V I
 UniRef90_R5ZAH8 Q I
 UniRef90_R6V7M5 R I K D Q I T
 UniRef90_E1SZE8 K I
 UniRef90_UP1000234E8A3 I I
 UniRef90_M1Z4E5 L I I
 UniRef90_E6KZZ8
 UniRef90_UP100037D3199
 UniRef90_U4KNT0
 UniRef90_R5L8B6 E I
 UniRef90_F5RLT4 K V
 UniRef90_R7MC49
 UniRef90_R5C2R9 R I K D E I
 UniRef90_B9K9Q8 K T I L E R I R G K
 UniRef90_F0YXQ4 R I I
 UniRef90_K0IXL8 F I I
 UniRef90_W5HD22 I I
 UniRef90_UP10003B4604A K I F E K L E
 UniRef90_M9W2Q0 R N L S H L K
 UniRef90_UP100034A776C
 UniRef90_W8RJN8
 UniRef90_W11ZJ4
 UniRef90_R5AJR4
 UniRef90_K2BW26 A I Q D E I T
 UniRef90_A3J4V1 A V F E K I K E Q L V I Y

lupas_21
 lupas_14
 lupas_28
 jnet
 conf
 sol25
 sol5
 solo
 jhmm
 jpssm

