

QUERY	1	10	20	30	40
UniRef90_D5CWU1	S R D F R Y G A V P N R A V	P V F F D T N G V R T V P A P M E F T G D L G L G H			
UniRef90_K7QLS1	S R D F V Y G A T P N R T L	P T F M S T S G V R T V P V D F T D D V A V Q Q S			
UniRef90_P49714	S R D F K Y G A T P N R T L	P V S M G T D G V R H V S A P V T F D N D V Q V Y S			
UniRef90_D2XJ95	S R K F T Y G A T P G Q A I	P T F M G T D G I R N I P A P L Y F T E D T K V G H			
UniRef90_A4UUQ0	S R D F K Y G A T P N R T I	P V A M G V D G V R H V E A P L T F D N D V S V Y S			
UniRef90_S9ZI07	S R K F T Y G A T P G Q A I	P T F M G T D G I R T I P A P L H L S G D M T V E H			
UniRef90_S5F2Q0	N L H L P V F R G T D G V R T V Q S P V R F S E K V E F D N				
UniRef90_UPI00037AB725	N L H L P V F R G V N G V R T I Q S P I E F D E T T L F N K				
UniRef90_A0A011NGQ1					
UniRef90_UPI00047DDBA4					
UniRef90_UPI00047CC96C					
UniRef90_J4YJG0					
UniRef90_D7YES4					
UniRef90_K9DC67					
UniRef90_UPI0003A9FB8C					
UniRef90_Q9FWZ3					
UniRef90_UPI0003F98E8D					
UniRef90_UPI0003801AA0					
UniRef90_Z5UW95					
UniRef90_X8L2Y6					
UniRef90_UPI000467CD14					
UniRef90_L4UI22					
UniRef90_H9UR49					
UniRef90_Z5F9L8					
UniRef90_U1Q6S8					
UniRef90_C2TBJ3					

Sequence alignment showing conservation and structural elements (arrows) across various UniRef90 entries. The alignment highlights conserved regions and structural features.

QUERY		90	100	110
UniRef90_D5CWU1	C G G E G T S S T G A Q I T L Y G A N N T D S R R I V Y N G D E H F Q S A D			
UniRef90_K7QLS1	S G G E T T S S A D G A M I T L H G S G S S T P R R A V Y N A L E H L F E N G D			
UniRef90_P49714	C G G E T P Y V T D G S L L Q L Y G S N H T Y P N R A V L Y A P G G A Y T Q N N			
UniRef90_D2XJ95	C G G E G T S S S G A Q I T L H G S N S S N A K R I T Y N G N E H L F Q G A P			
UniRef90_A4UUQ0	S G G D G A S S D G A L L Q L Y G A N H A T P N R A I M Y A S G G F Y S Y N N			
UniRef90_S9ZI07	S G G G G T A A D T G A Q I T L H G A G S S T S R A V Y N A H L F Q S G A			
UniRef90_S5F2Q0	S S T H Q A N S Q N G S T I T L H N D K S E E G S I I D Y R A T A H K F			
UniRef90_UP100037AB725	S S T H K A N S Q N G S T I T L H N D K S E E G S I I D Y R A T A H K F			
UniRef90_A0A011NGQ1	L A G A T T N V D F N K L G R L A Y A Q T D N S M R F T L N A E A Y R M N A A S			
UniRef90_UP100047DBBA4	L A A G A G S A N S A G L A F A K A G G A N L E G T S R I Y R A D Q Y A F D S T S			
UniRef90_UP100047CC96C	A G G D G E L T V N G A L T R T K G E R H G N E T I G L L N K E A T F F P T I S S			
UniRef90_J4YJG0	S S G G D S S I N N G S L I K T S G E R N G S S S V A L I N S D A T F Y P S I S			
UniRef90_D7YES4	R T T A G L V G M Q F T N P N G S V S I R V D A S A A N A G S			
UniRef90_K9DC67	S T Q T D T G S A G N N F L I I I R R T G D L D S F E L R T R G T A G A Y T Y □			
UniRef90_UP10003A9FB8C	S N A A E S G S N A G S D L V L H R H D D S G T A I G A A W Q V R R S S G N N			
UniRef90_Q9FZW3	I G P S N G S N L N I Y D E T A G L N R L V L D T A G N			
UniRef90_UP10003F98E8D	R S G S T L E D G A G I N M Y N T N S A L G G R M R L Y E S V Y F Y Q N G A			
UniRef90_UP10003801AA0	G N K A M P N S N Q D R L L W I D Y G N D G N A S P F I Y G D M G N N I □ M N A N			
UniRef90_Z5UW95	S N G H T N G N N P G T A L T L S N S G T T N Y L V I D M A S S I V Y F R G N			
UniRef90_X8L2Y6	N G G T T P T H R L V A S S I S G M T L E A G G N L S V V G N			
UniRef90_UP1000467CD14	N G G T T P T H R L V A S S I S G M T L E A G G N L S V V G N			
UniRef90_L4UI22	R G G A T G N V T T D A N G T Y L G T T G D T G L K F V S G N E V R L Q Q R A			
UniRef90_H9UR49	C S G G S E D S G D G T I G F N S S I I Q L N S K T E I V M G S G			
UniRef90_Z5F9L8	I G T N A G S A I S S G D N Q L I I A N Q S G L M G P V S D E N N Y A R F D A S S			
UniRef90_U1Q6S8	N G G I T P S H R L V A S S A S G M T L E A G G N F S V V G N			
UniRef90_C2TBJ3	S G G G G T I S A N G F T I E L T L I G S G S P A S I K L D A T G S I F S T A D			
	G N K A N P T T N Q D R L L W I D Y G N D A N E T P F V Y G A N N I M N V R A N			

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

The sequence starts with the number 6, followed by a series of 1s, 5s, 6s, 7s, 7s, 7s, 7s, 7s, 3s, 1s, 7s, 8s, 7s, 5s, 1s, 6s, 7s, 7s, 8s, 7s, 7s, 1s, 5s, 7s, 8s, 7s, 0s, 3s, 6s, 7s, 7s, 0s, 0s, 1s, 7s, 7s, 3s. Two yellow arrows point to groups of B's: one arrow points to the first group of B's (B, B, B), and another arrow points to the second group of B's (B, B, B, B, B).

QUERY
UniRef90_D5CWU1
UniRef90_K7QLS1
UniRef90_P49714
UniRef90_D2XJ95
UniRef90_A4UUQ0
UniRef90_S9ZI07
UniRef90_S5F2Q0
UniRef90_UP100037
UniRef90_A0A011N
UniRef90_UP100047
UniRef90_UP100047
UniRef90_J4YJG0
UniRef90_D7YES4
UniRef90_K9DC67
UniRef90_UP100034
UniRef90_Q9FZW3
UniRef90_UP100038
UniRef90_UP100038
UniRef90_Z5UW95
UniRef90_X8L2Y6
UniRef90_UP100046
UniRef90_L4UI22
UniRef90_H9UR49
UniRef90_Z5F9L8
UniRef90_U1Q6S8
UniRef90_C2TBJ3

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

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm