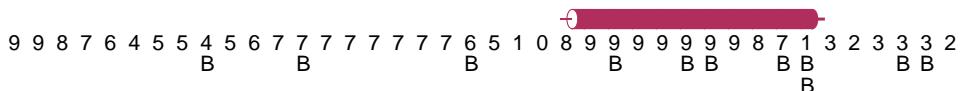


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UniRef90_S7PTE0
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UniRef90_S7PTE8
UniRef90_C4NFM0

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

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

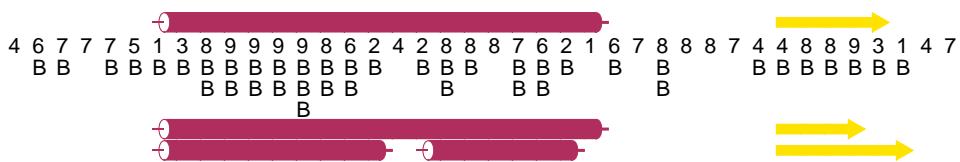
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QUERY
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UniRef90_S7PTE0
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UniRef90_S7PTE8
UniRef90_C4NFM0

50 60 70 80
M F H T [V] T P S [L] V F [L] C L L I P G [L] H A A F V H G G V P R E S Y L S T P [V] T R
[Q] Y H A V T P S L V F [L] C L L I P G [L] H A A F V H G G V P R E S Y L T T P [V] T K
H F H [L] T T P S L V F [L] C F I F D G L R K A L L S V G V S K R S N I V I G N E N
R F H P V T A S [L] V F M C Y L I P G [L] W E A L N A A G V H Q R S Y L A A P [V] K D
H T [V] T P S [L] V F [L] C L L I P G [L] H A A F V H G G V P R E S Y L S T P [V] T R
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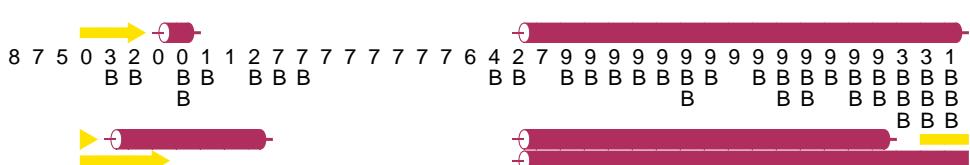
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QUERY
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UniRef90_UPI0003F124DF
UniRef90_UPI0001D624B0
UniRef90_Q65468
UniRef90_Q6P217
UniRef90_UPI00027F95F8
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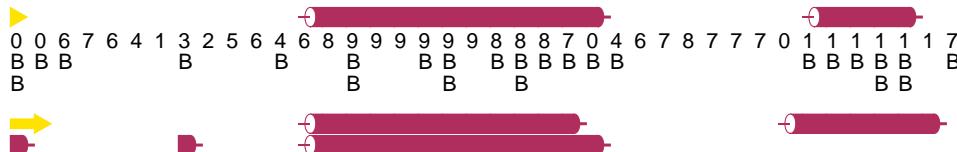
90 100 110 120
G E Q T [V] V K T A K F Y G E K T T Q R D [L] T E L E I S S I F S H C C S L L I G V
G D Q [V] L I K T A K [L] Y G E K T V D R E L S E L E V S S I F N H C C S L L I G V
K E T D T L Y S S K F E D V M P N F T A L E M S S I L R H C C D L L I G V
G D R V A Y E T [L] A L H [L] S D V E D R S L S A L E M S S A L L G H C C T L L I G V
T G T L Y A S K F E D V L P T F T A L E M S S I L R H C C D L L I G V
G E Q T [V] V K T A K F Y G E K T T Q R D [L] T E L E I S S I F S H C C S L L I G V
E E R G T P Y A S R F K D M P N F I A L E K S S V L R H C C D L L I G I
L T A L E M S S I L Y H C C D L L I G I

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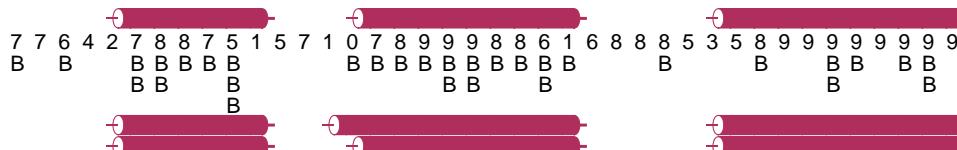
The figure displays a sequence alignment between two protein entries. The top row shows the UniRef90_...C4605 sequence with its amino acid sequence: V I G S S S K I K A G A E Q I K K R F K T M M A A L N R P S H G E T A T L L Q Y M. The bottom row shows the UniRef90_C4NFM0 sequence with its amino acid sequence: V I G S S S A K I R A G A E Q I R K R F K T L M A S I N R P A H G D T A T L L Q T. The alignment highlights conservation at positions 130, 140, and 150 with yellow boxes. At position 130, UniRef90_...C4605 has 'K' and UniRef90_C4NFM0 has 'R'. At position 140, UniRef90_...C4605 has 'Q' and UniRef90_C4NFM0 has 'R'. At position 150, UniRef90_...C4605 has 'S' and UniRef90_C4NFM0 has 'P'. Other positions are shown with standard black text.

lupas_21
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QUERY	F	N	P	H	E	A	I	D	W	170	N	G	P	W	V	G	S	F	V	L	S	L	L	T	T	D	F	E	S	P	G	K	E	F	M	D	Q	I	K		
UniRef90_UPI00038C4605	F	N	P	H	E	A	I	D	W		N	S	P	W	V	G	S	F	V	L	S	L	L	T	T	D	F	E	S	P	G	K	E	F	M	E	Q	I	R		
UniRef90_F7GJK5	F	N	P	H	E	A	I	D	W		N	S	P	W	V	G	S	L	V	L	S	L	L	T	T	D	F	E	S	P	G	K	E	F	M	E	Q	I	R		
UniRef90_UPI0003F124DF	Y	N	A	G	P	A	I	Y	W		N	S	R	P	W	V	G	G	M	F	T	F	L	F	G	E	F	E	S	P	G	A	C	E	L	D	Q	V	K		
UniRef90UPI0001D624B0	Y	P	P	S	S	A	I	D	W		N	S	R	P	W	V	G	G	L	I	L	G	L	L	M	T	F	E	S	P	G	R	E	L	M	D	Q	I	R		
UniRef90_Q65468	Y	N	A	G	P	A	I	D	W		N	S	R	P	W	V	G	G	M	F	T	F	L	F	G	E	F	S	P	G	A	R	E	L	D	Q	V	K			
UniRef90_Q6P217	F	N	P	H	E	A	I	D	W		N	G	Q	P	W	V	G	S	F	V	L	P	L	L	T	T	D	F	E	S	P	G	K	E	F	M	D	Q	I	K	
UniRef90_UPI00027F95F8	C	N	A	E	S	A	I	G	W		S	S	R	P	W	V	G	E	M	F	T	L	L	F	G	D	F	E	S	P	G	A	H	K	L	D	Q	V	K		
UniRef90_G3KJJ5	Y	D	A	G	P	A	I	D	G		N	S	R	A	W	V	G	G	M	F	I	L	L	M	Q	E	F	S	P	G	K	E	F	M	D	Q	I	K			
UniRef90_S7PTE0	F	D	L	K	E	T	A	L	W	L	A	K	G	L	D	I	I	I	P	S	T	L	L	E	M	E	D	H	T	P	A	K	A	F	I	S	Q	L	K		
UniRef90_G0WXP8	L	E	A	G	H	A	V	L	W	A	D	K	I	A	K	K	M	A	W	V	L	K	S	N	P	A	T	E	A	D	K	A	L	V	S	Q	M	K			
UniRef90_S7PTE8	W	L	S	S	N	E	L	D	T	I	L	G	T	L	E	L	E	E	D	H	S	T	G	K	F	I	S	Q	L	K											
UniRef90_C4NFM0	V	D	A	K	R		I	A	G	L	K	L	K	A	E	I	R	A	V	R	D	Y	D	D	S	T	L	G	Q	A	L	I	A	Q	V	R					

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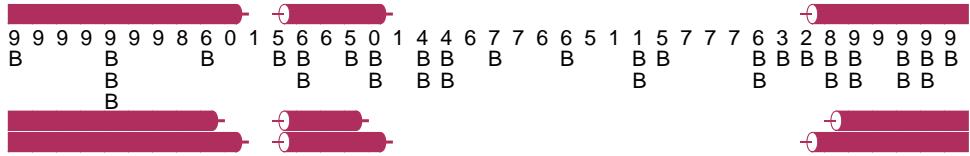


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UniRef90_F7GJK5	L V A S F A Q M T T Y T T I K E Y L N E C M D A T L M I P A V V A G E I K E F L D				
UniRef90_UPI0003F124DF	V V A N K A Q M T T Y Y T T V G M F L D Q C M D G S I A L P A V V S E E I P V F E Q				
UniRef90_UPI0001D624B0	M V A S Y A Q M T T Y T S T I K Q Y L D Q C M D A T L A L P A V A S E I P K F L Y				
UniRef90_Q65468	V V A N K A Q M T T Y Y T V K M F P D Q C V D G S I A L P A V V S E I P V F E Q				
UniRef90_Q6P217	L V A S Y A Q M T T Y T T I K E Y L A E C M D A T L T I P V V A				
UniRef90_UPI00027F95F8	V V A H K A Q M A T Y Y T L R T L L D Q C M D G S I A L P A V V S E I P V C Q Q				
UniRef90_G3KJ55	L V A S H A Q M T T Y T T I K E Y L G E C M D A T L L I P A V A Y E I K E F L K				
UniRef90_S7PTE0	L V S S Y A E M T P Y L T I K S F I S D G L S K A S M L P G V G A E I Q A F L K K				
UniRef90_G0WXP8	M V Y G G A E M A F A K T A A E F L A G C D T H L K L L P Q V V E D G E R Y L E				
UniRef90_S7PTE8	L V S S Y A E M T P Y L T I K S F I N D G L S K A S M L P G V G S E I Q A F S K				
UniRef90_C4NFM0	M V Y K G H G M T M L S E M D L L V K Q P M R R V L L Q S A V E E A L K F E K				

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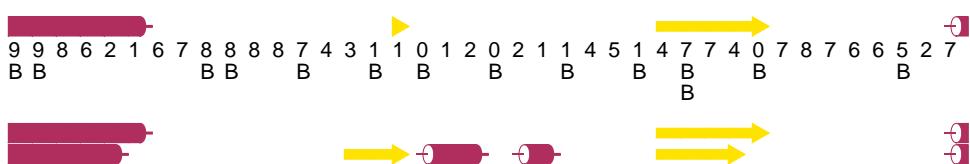
QUERY		250	260	270	280
UniRef90_UPI00038C4605	V S A K L K E D H A D L F P F L G A I R H P D A I K L A P R S F P N L A S A A F				
UniRef90_F7GJK5	T A S K L K A D H G E F K Y L G A I R H P D A I K L A P R S F P N L A S A A F				
UniRef90_UPI0003F124DF	K K A L V K R A L G D F F E F G G V L R H P V I G E L S P R M F P N L A T A A N				
UniRef90_UPI0001D624B0	T E Q D L R S K L G E W F E F M G A I R H P E V I K L A P R S F P N L S S A A L				
UniRef90_Q65468	K K A L V K K A L G D F F E F G A V L R H P V N G E L S P R M F P N L A T A A N				
UniRef90_Q6P217					
UniRef90_UPI00027F95F8	K E V L V X K V L R N F F E C G R V L C H P V I G E L S P R M F P N L A T A A K				
UniRef90_G3KJ5	V S S E L K S E H G D L F K Y L G A I R H Q D A I K L A P R N F P N L A S A A F				
UniRef90_S7PTE0	A E D E L K E Q H G D M F P Y L K C R L P G H E R L A P V N F R N L C K V A N				
UniRef90_G0WXP8	V K E A L E A R H H E H Y L H R L K H A D A D S I A P R A F P Y L L A G A A A				
UniRef90_S7PTE8	A E E E L K E Q H G D M F P Y L K C R L P G H E R L A P V N F S N L C K V A N				
UniRef90_C4NFM0	S Y Q K A K E R H G K D F E Y L G A S D E T L H H R Q Y P N L Y F A A R				

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QUERY		Y W S K K E N S T I Q P G A S V K E T Q L A R Y R R R E I S R G E D G A E L S G	290	300	310	320
UniRef90_UPI00038C4605		Y W S K K E N P T M S P G A I V K E A Q L A R Y R R R E I S R G E D G S H I P D				
UniRef90_F7GJK5		Y W A K R R N P T F S G F E A L D F				
UniRef90_UPI0003F124DF		F W S R K E S A T I Q L G S S L T E S L L T R A R R R E I V R S G I G G E M T P				
UniRef90_UPI0001D624B0		Y W A K R R S P T F S P G S T I T F P L L Q M A S A R K I S R G S D M D P				
UniRef90_Q65468						
UniRef90_Q6P217						
UniRef90_UPI00027F95F8		Y W A K R R N P T F S G				
UniRef90_G3KJ5		Y W S K K E N P T I Q P G S S V K E A Q L A R Y R R R E V T R G E D G A H L S D				
UniRef90_S7PTE0		A R K R W I D G T F G D Y K S T E E S L S S L T D K E V E D A V A Q P P				
UniRef90_G0WXP8		Y W T N R R H A A A A G A A V Y I A P L M V R T E G Y T V T E M D D A S R I				
UniRef90_S7PTE8		T R K R R I D R T F R D Y K S T K E S M S S L T D R E V E E A V A Q P P				
UniRef90_C4NFM0		A V A Q T E K R V G T G M Q F S E L P T N V N Q E I L R T D T K R E I T R				

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	E	I	S	A	M	K	M	G	V	T	G	L	N
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UniRef90_F7GJK5	E	I	A	Q	I	M	K	I	G	V	T	G	Y
UniRef90_UPI0003F124DF	N	I	K	K	I	L	G	L	V	G	V	T	G
UniRef90_UPI0001D624B0	Y	T	V	N	I	L	R	G	Y	G	I	S	G
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UniRef90_UPI00027F95F8	M	K	K	R	M	M	S	Q	A	D	A	E	Q
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UniRef90_S7PTE0	K	I	S	A	D	M	K	L	A	T	A	T	K
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UniRef90_S7PTE8	D	L	V	E	K	L	R	L	L	G	I	T	G
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