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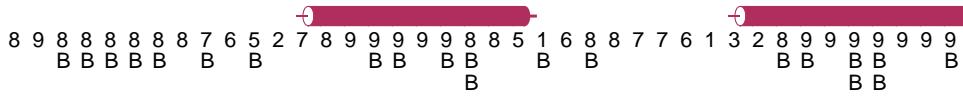
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UniRef90_S2QF99	30	M K L N Q F A R L T P D F K V Q V A E L K Q I G L Q A D P D Q S T T D L F N A F
UniRef90_Q38XY2	40	M K L N Q F A R L T T T Y S E Q I K A L Q R I K L L L S V Q A L A Q Q F A R F
UniRef90_Q03H46	1	M K N N Q F G R I R L D R T T E L E E L K N I H F I D A D L A D P K A Q L K D F
UniRef90_H1LJ46	10	M K I N Q F A T I T T D Y H T Q L I E L E R V G F K T N T I G A K Q R L A A Y
UniRef90_W9EHW7	20	P F D Q Q L S D L K A I D F L P G R F D T M K K V F A V F
UniRef90_G6ELX0	30	R Y N A F S D Y S S F N P A E E L K K I H M I D D Q F Q S F S V N L K H F
UniRef90_X0PE30	40	M K N N F A F T D D S F F D P F D E L K R I N L F D D S F N S F H D N L K I F
UniRef90_G9WGQ3	1	M K F N Q Y S Y I N F P K E N V L S E L L K K C G F D L Q N T A N H K D S L E T F
UniRef90_K6S0Z7	10	M K I N Q F G Y V P T N H Q Q I I N E L T E I H F L N P T N L D P M E L Y R N F
UniRef90_Q04E49	20	M K Y N Q Y A Y V E T D F D Q Q V K E L I D I N F L P K N Y A D L G K L V K M T
UniRef90_Q5DRA1	30	M K L N Q F A R L T P D F K V Q V A E L K Q I G L Q A D P D Q S T T D L F N A F
UniRef90_H7QCJ6	40	M K L N Q F A R L T P D F K V Q V A E L K Q I G L Q A D P D Q S T T D L F N A F
UniRef90_J9VYT6	1	L A E H
UniRef90_D5GYF1	10	
UniRef90_K6QEM5	20	
UniRef90_UPI000362739A	30	

lupas_21
 lupas_14
 lupas_28
 jnet
 conf
 sol25
 sol5
 sol0
 jhmm
 jpssm



lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
inssm

Sequence alignment showing conservation across 120 positions. The UniRef90_5CCK2 sequence is on the left, and UniRef90_UPI000362739A is on the right. A color scale at the bottom indicates conservation: black (highly conserved), blue, green, yellow, red, orange, purple, pink, brown, grey, white (low conservation).

lupas_21
lupas_14

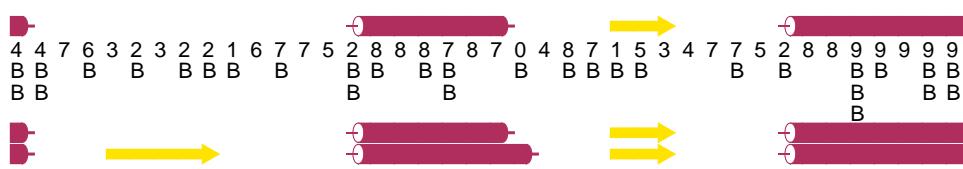
lupas_28
jnet
conf

cont
sol25

sol5
sol0

solu
jhmm

jpssm



	130													140											
UniRef90_C5RCK2	Y	D	L	T	T	H	T	K	G	G	Q	L	I	D	E	L	V	S	H	Q	Y	F			
UniRef90_UPI0002492BBA	Y	D	L	N	A	R	G	K	K	N	G	Q	I	L	D	A	L	A	A	Q	G	Y	F		
UniRef90_K0DB33	Y	V	L	N	T	H	T	K	N	G	L	L	W	I	D	D	L	S	S	H	G	Y	F		
UniRef90_A0A023VRZ7	H	K	L	A	S	R	N	K	L	G	M	T	L	V	D	D	L	V	S	K	G	F	L		
UniRef90_E1NYT3	Y	R	L	N	T	R	S	A	N	G	Q	I	L	I	D	V	M	A	A	K	G	Y	F		
UniRef90_J2Z7L0	Y	L	L	T	T	H	T	K	L	G	L	T	F	L	D	D	L	A	N	R	G	G	F		
UniRef90_N1ZV95	Y	D	L	C	T	Q	T	K	H	G	Q	T	L	L	D	R	L	A	A	L	G	Y	F		
UniRef90_V7HTW3	Y	D	L	E	L	P	R	K	N	G	Q	S	F	L	D	Y	L	A	T	Q	G	F	F		
UniRef90_G0UFS1	Y	D	L	T	A	H	T	K	G	G	L	Q	F	I	D	E	L	V	S	H	Q	Y	L		
UniRef90_G2SQF6	Y	D	L	A	T	H	G	K	N	G	Q	T	L	L	D	H	L	G	N	L	G	F	F		
UniRef90_UPI00046A775D	Y	L	L	N	T	R	S	Q	T	G	L	L	L	I	D	D	Q	L	A	N	R	G	F	F	
UniRef90_D8MGP1	Y	V	L	N	T	H	T	K	N	G	L	M	F	V	D	E	L	A	S	H	G	Y	F		
UniRef90_U4TQ24	Y	L	L	T	T	R	G	K	N	G	Q	N	F	L	D	D	L	T	A	R	G	Y	F		
UniRef90_T0UMI9	Y	Q	L	L	S	R	Q	K																	
UniRef90_I7L4Q1	Y	T	L	N	T	H	N	S	T	G	L	L	I		D	A	L	V	S	Q	G	Y	L		
UniRef90_H4GJL5	Y	Q	L	L	T	R	T	K	H	G	Q	T	W		D	D	L	T	G	Q	G	L			
UniRef90_S6CJK5	Y	L	L	L	T	T	R	T	K	H	L	V	N	F		D	D	L	A	N	R	G	F		
UniRef90_UPI0003B330B0	Y	N	L	L	T	H	T	K	F	G	V	T	L	L	D	D	L	A	S	R	G	F			
UniRef90_G7VLS9	Y	E	L	L	N	S	H	T	N	N	G	L	L	F	I	D	E	L	A	S	Q	G	Y	F	
UniRef90_B2GEC2	Y	L	L	L	T	R	K	N	G	I	S	L	L	I	D	D	K	L	T	S	Q	G	M	L	
UniRef90_UPI0003B652CA	Y	H	L	L	T	T	H	T	K	H	G	E	T	Y	I	D	D	L	A	Q	L	G	Y		
UniRef90_D5T1F7	Y	L	L	N	T	H	T	K	N	G	L	L	F	I		D	E	L	A	S	H	G	Y	F	
UniRef90_G6CEN9	Y	L	L	L	T	T	R	S	Q	T	G	L	L	Y		D	D	Q	L	A	N	R	G	F	F
UniRef90_S2QF99	Y	L	L	N	T	R	T	K	H	L	V	S	Y	L		D	D	L	A	N	R	G	F	L	
UniRef90_Q38XY2	Y	L	L	L	T	T	R	S	Q	N	G	L	L	Y		D	C	L	A	N	R	G	F	F	
UniRef90_Q03H46	Y	N	L	L	T	T	H	T	K	N	G	E	V	Y		D	R	L	T	Q	Q	G	Y	F	
UniRef90_H1LJ46	Y	K	L	L	N	T	R	T	K	F	G	Q	T	L	I		D	F	L	A	G	Q	G	Y	
UniRef90_W9EHW7	Y	Q	L	L	T	T	H	T	R	F	G	L	T	Y	I		D	H	L	A	S	Q	G	Y	F
UniRef90_G6ELX0	H	Q	L	L	A	T	R	T	Q	S	G	N	T	L	I		D	Q	L	V	A	Q	D	L	P
UniRef90_X0PE30	Y	Y	L	L	C	L	R	T	K	N	G	Q	N	Y	L		D	V	L	A	N	R	G	F	
UniRef90_G9WGQ3	F	N	A	L	N	L	R	S	A	N	G	L	S	L	I		D	N	L	V	N	D	G	Y	L
UniRef90_K6S0Z7	Y	L	L	L	N	T	R	T	K	H	L	V	S	Y	L		D	D	L	A	N	H	G	F	L
UniRef90_Q04E49	F	N	A	L	I	R	S	A	N	G	L	S	L	I		D	N	L	V	S	D	G	F	L	
UniRef90_Q5DRA1																									
UniRef90_H7QCJ6																									
UniRef90_J9VYT6																									
UniRef90_D5GYF1																									
UniRef90_K7QEM5																									
UniRef90_UPI000362739A																									
	H	L	I	I	Q	R	T	A	G	R	Y	T	F	H	D	L	L								

H L I I Q R T A G R Y T F H D L L