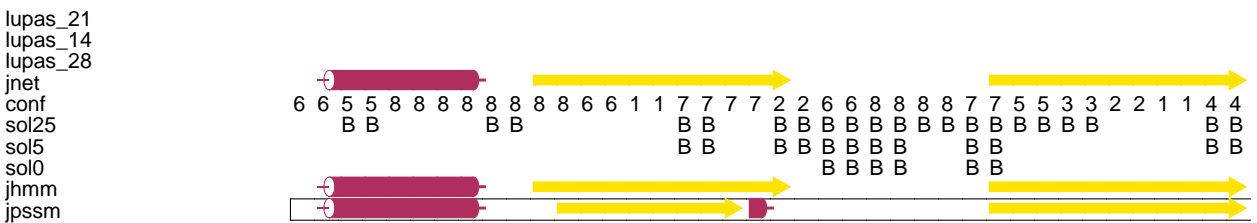
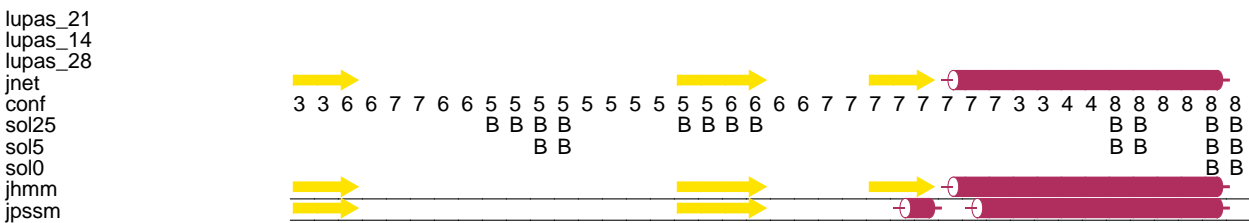


1 10 20 30 40
 E L Q R R E E E A N V V L T G T V E E I
 N L E D R E E E A N V V L T T G G T V D E E I
 UniRef90_UPI0004447388
 UniRef90_UPI0002A4928A
 UniRef90_V9KA50
 UniRef90_W5KZX3
 UniRef90_V8NE38
 UniRef90_U3J805
 UniRef90_UPI00046B5B5C
 UniRef90_F7G642
 UniRef90_UPI0003F0DB47
 UniRef90_UPI00034F5CD1
 UniRef90_UPI0001D54D35
 UniRef90_R7V3C8
 UniRef90_W4XF61
 UniRef90_K1QM75
 UniRef90_V4BNM5
 UniRef90_C3XQ33
 UniRef90_UPI000359A15C
 UniRef90_T1ISD8
 UniRef90_F1KQV3
 UniRef90_E5SMP2
 UniRef90_W4ZIX7
 UniRef90_T1EVC4
 UniRef90_A7RGH5
 UniRef90_B3S003
 UniRef90_A0A044QTT2
 UniRef90_H2XU25
 UniRef90_E9H691
 UniRef90_K1P6L3
 UniRef90_C3Z062
 UniRef90_T1KCH0
 UniRef90_UPI0002B4BB09
 UniRef90_A0A016VMM9
 UniRef90_UPI00035A020F
 UniRef90_D6W6H1
 UniRef90_UPI000022266F



	90	100	110	120
QUERY	K G K D I V T H E I L L L D G G N K V V I			
UniRef90_UPI0004447388	K G K S S I N R V I L L L D D G G N K V V I			
UniRef90_UPI0002A4928A	K K G G K K S S N N V V N N R R Q Q I I L L L L D D G G G N N K K V V M M I I			
UniRef90_V9KA50	K K G G K K E E T T L L K K N N E E L L L L L L D D D G G G N N K K V V M M I I			
UniRef90_W5KZX3	K K G G K K T T M M V V N N G G E E V V L L L L D D D G G G G N N K K V V M M I I			
UniRef90_V8NE38	K K G G K K E E V V V V T T H H E E I I L L L L D D D G G G G N N K K V V M M I I			
UniRef90_U3J805	K K G G K K D D I I V V T T H H E E I I L L L L D D D G G G G N N K K V V V V I I			
UniRef90_UPI00046B5B5C	K K G G K K E E L L V V A A Q Q E E S S L L L V D D D G G G G N N K K V V V V I I			
UniRef90_F7G642	K K G G K K E E L L V V A A R R E E S S L L L L D D D G G G G N N K K V V V V I I			
UniRef90_UPI0003F0DB47	K K G G D D N N M M L L N N G G N N M M K K K K H H S S P P A A T T I I M M V V			
UniRef90_UPI00034F5CD1			M M D D G G G G N N K K V V V V I I	
UniRef90_UPI0001D54D35	K K G G K K E E L L V V A A R R E E S S L L L L D D D G G G G N N K K V V V V I I			
UniRef90_R7V3C8	K K G G N N N N V V V V N N G G L L L L P P S S G G Q Q S S G G S S S S I I M M V V			
UniRef90_W4XF61	K K G G S S E E A A L L Y Y S S N N V V V V P P P P D D D G G N N T T I I Q Q I I			
UniRef90_K1QM75	K K G G E E D D L L L L G G E E S S S S V V V S S N N A A G G Q Q E E V V L L V V			
UniRef90_V4BNM5	K K D D R R N N L L V V P P K K V V A A N N F F E E D D P P K K M M I I M M I I			
UniRef90_C3XQ33	K K G G T T N N E E I I P P T T Q Q P P L L R R D D P P S S R R E E V V M M V V			
UniRef90_UPI000359A15C	K K G G G G Q Q V V V V D D T T L L A A T T I I T T P P G G K K M M V V M M V V			
UniRef90_T1ISD8	K K G G G G D D H H V V N N A A D D T T L L			V V V V I I
UniRef90_F1KQV3	K K G G R R E E F F I I G G N N A A		H H Q Q	I I A A I I
UniRef90_E5SMP2	K K G G E E H H L L I I P P S S R R R R F F G G Q Q			L L T T V V
UniRef90_W4ZIX7	K K G G Y Y E E L L F F D D N N A A T T S S L L		S S E E D D E E	I I Q Q I I
UniRef90_T1EVC4	K K G G Q Q H H K K L L T T Q Q L L F L L S S E E I I K K G G R R F F T T V V			
UniRef90_A7RGH5	K K G G R R Q Q I I I I D D E E V V L L A A K K H H P P G G R R T T V V K K V V			
UniRef90_B3S003	K K P P P P R R L L S S L L P P L L S S			I I T T I I
UniRef90_A0A044QTT2	K K G G F F N N I I I I N N		G G R R T T K K	I I A A I I
UniRef90_H2XU25	K K G G N N S S L L A A M M N N L L I I T T I I Q Q K K K K Y Y V V D D V V			
UniRef90_E9H691	K K G G L L D D R R M M W W E E		G G R R R R	V V R R V V
UniRef90_K1P6L3	K K G G Q Q E E L L V V D D N N L L T T S S V V		A A K K N N T T	F F V V I I
UniRef90_C3Z062	K K G G K K S S R R L L R R E E I I P P A A I I S S D D Q Q P P R R V V Y Y V V			
UniRef90_T1KCH0	R R G G		P P S S K K F F Q Q G G N N R R	V V T T I I
UniRef90_UPI0002B4BB09	K K G G W W E E L L I I T T S S I I I I S S L L D D P P K K I I I I A A T T A A			
UniRef90_A0A016VMM9	K K G G R R E E L L V V G G S S P P Q Q Y Y I I D D			V V A A V V
UniRef90_UPI00035A020F	K K G G E E G G I I V V N N N N A A R R A A G G D D D D R R M M I I M M V V			
UniRef90_D6W6H1	K K		N N N N A A G G L L S S D D N N Q Q E E V V R R V V	
UniRef90_UPI000022266F	K K G G R R E E Y Y L L D D E E		G G K K I I I I V V I I	



	170	180	190	200
QUERY	F F V N P A P Q Y M W P A H R N E L M L			
UniRef90_UPI0004447388	F F L N L A P E S V G L D H K N E L M L			
UniRef90_UPI0002A4928A	F F F L L N N P P A A P P E E S S A A A A P P E E H H K K N N E E L L M M L L			
UniRef90_V9KA50	F F F F V V N N P P A A P P E E F F M M W W P P A A H H K K N N E E L L M M L L			
UniRef90_W5KZX3	F F F F V V N N L L A A P P E E Y Y M M W W P P A A H H K K N N E E L L M M L L			
UniRef90_V8NE38	F F F F V V N N P P A A P P H H Y Y M M W W P P A A H H K K N N E E L L M M L L			
UniRef90_U3J805	F F F F V V N N P P A A P P Q Q Y Y M M W W P P A A H H R R N N E E L L M M L L			
UniRef90_UPI00046B5B5C	F F F F V V N N P P A A P P P P Y Y L L W W P P A A H H K K N N E E L L M M L L			
UniRef90_F7G642	Y Y A A G G W W P P G G I I P P I I V V W W P P C C V V W W T T R R G G L L M M			
UniRef90_UPI0003F0DB47	L L L L L L L L E E R R D D Q Q V V G G N N L L K K L L			
UniRef90_UPI00034F5CD1	F F F F V V N N P P A A P P R R Y Y L L W W P P A A H H K K N N E E L L M M L L			
UniRef90_UPI0001D54D35	X X X X X X P P P P E E A A Q Q L L G G W W G G C C			
UniRef90_R7V3C8	F F L L A A N N K K G G A A N N		G G E E L L K K L L	
UniRef90_W4XF61	F F M M M M N N K K N N G G N N		G G H H L L M M L L	
UniRef90_K1QM75	L L M M L L S S L L D D D D G G G G I I		L L R R L L	
UniRef90_V4BNM5	F F L L L L N N P P N N G G N N		G G E E L L K K L L	
UniRef90_C3XQ33	F F L L L L D D K K K K P P A A G G		P P P P D D E E F F E E L L	
UniRef90_UPI000359A15C	F F M M L L S S P P N N G G N N		G G E E L L K K L L	
UniRef90_T1ISD8	F F F F L L T T Q Q G G		V V N N H H L L R R F F	
UniRef90_F1KQV3	I I L L L L L L	R R E E Q Q N N G G L L L L Y Y L L		
UniRef90_E5SMP2	F F L L L L K K L L L L K K		D D G G R R I I Q Q L L	
UniRef90_W4ZIX7	F F Y Y L L N N P P S S P P R R D D L L E E M M A A S S D D G G E E E E V V V V			
UniRef90_T1EVC4	F F F F T T N N P P		V V D D D D K K L L Q Q L L	
UniRef90_A7RGH5	V V F F M M			
UniRef90_B3S003	L L L L F F N N G G S S S S S Q Q		K K Y Y V V L L	
UniRef90_A0A044QTT2	I I L L L L L N N		E E L L N N G G L L F F Y Y L L	
UniRef90_H2XU25	F F F F L L N N K K L L		N N N N R R L L V V V V	
UniRef90_E9H691	F F L L V V N N Q Q D D D D E E T T L L A A P P V V H H P P I I R R L L R R L L			
UniRef90_K1P6L3	L L F F L L T T			
UniRef90_C3Z062	F F F F L L			
UniRef90_T1KCH0	F F Q Q L L S S Q Q I I S S		D D G G Y Y F F R R L L	
UniRef90_UPI0002B4BB09	L L F F L L			
UniRef90_A0A016VMM9	F F A A I I S S L L R R G G		T T S S L L E E I I	
UniRef90_UPI00035A020F	F F F F L L R R Q Q S S H H H H		R R G G M M L L	
UniRef90_D6W6H1	F F I I G G R R K K P P Q Q K K L L D D A A D D V V		Q Q L L	
UniRef90_UPI000022266F	F F A A L L T T		N N Q Q Q Q G G T T F F L L L L	

lupas_21				
lupas_14				
lupas_28				
jnet	E E E E E E			E E E E E E E E
conf	9 9 8 8 5 5 3 3 6 6 7 7 7 7 7 7 6 6 6 6 6 6 7 7 7 7 6 6 3 3			4 4 7 7 7 7 4 4
sol25	B B B B B B B B			B B B B B B
sol5	B B B B B B		B B	B B B B
sol0	B B		B B	B B
jhmm	E E E E E E			E E E E E E E E
jpssm				

QUERY	E	H	R	K	L	L	A	
UniRef90_UPI0004447388	D	K	P	S				
UniRef90_UPI0002A4928A	D	D	K	K	P	P	S	S
UniRef90_V9KA50	D	D	K	K	P	P		
UniRef90_W5KZX3	G	G	K	K	T	T	P	P
UniRef90_V8NE38					L	L	L	L
UniRef90_U3J805	D	D	I	I	S	S	G	G
UniRef90_UPI00046B5B5C	G	G	Q	Q	L	L	P	P
UniRef90_F7G642								
UniRef90_UPI0003F0DB47	D	D	I	I	P	P		
UniRef90_UPI00034F5CD1	D	D	K	K	L	L	G	G
UniRef90_UPI0001D54D35								
UniRef90_R7V3C8	S	S	E	E	Y	Y	N	N
UniRef90_W4XF61								
UniRef90_K1QM75	G	G	K	K	K	K		
UniRef90_V4BNM5	G	G	K	K				
UniRef90_C3XQ33								
UniRef90_UPI000359A15C	R	R	E	E	Y	Y	P	P
UniRef90_T1ISD8							T	T
UniRef90_F1KQV3	G	G						
UniRef90_E5SMP2	A	A	C	C	Y	Y	S	S
UniRef90_W4ZIX7							L	L
UniRef90_T1EVC4	D	D						
UniRef90_A7RGH5								
UniRef90_B3S003	D	D	P	P	T	T	G	G
UniRef90_A0A044QTT2								
UniRef90_H2XU25								
UniRef90_E9H691	D	D						
UniRef90_K1P6L3								
UniRef90_C3Z062								
UniRef90_T1KCH0	D	D	H	H				
UniRef90_UPI0002B4BB09								
UniRef90_A0A016VMM9	G	G	K	K	P	P		
UniRef90_UPI00035A020F								
UniRef90_D6W6H1	D	D	Q	Q				
UniRef90_UPI000022266F								

250

lupas_21	
lupas_14	
lupas_28	
jnet	
conf	5 5 7 7 8 8 8 8 8 8 8 8 9 9 9 9
sol25	
sol5	B B
sol0	
jhmm	
jpssm	