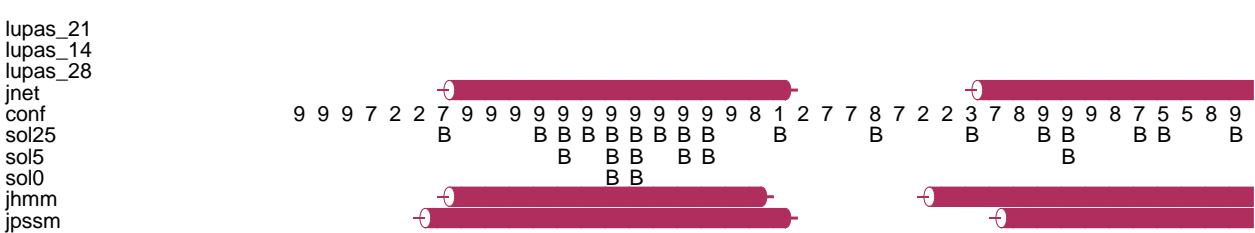


	1		10		20		30		40																																			
QUERY	K	L	P	E	E	M	Y	L	Q	Q	K	V	R	V	L	T	A	L	R	K	M	G	S	N	L	T	A	S	E	E	E	F	L	R	T	Y	A	G	V	V				
UniRef90_V9LEC7	K	L	P	R	D	V	Y	T	Q	Q	K	V	E	V	L	T	A	L	R	K	L	G	G	E	K	L	T	P	E	E	E	F	L	R	S	A	N	T	S	A	T			
UniRef90_J3S4L9	K	L	G	R	D	L	Y	T	Q	Q	K	V	E	I	L	T	A	L	R	R	K	L	G	G	E	K	L	T	P	N	D	E	A	F	L	S	S	T	N	A	G	T	A	
UniRef90_UPI0004444127	K	L	E	R	D	L	Y	T	Q	Q	K	V	E	I	L	A	A	L	R	R	R	L	G	G	E	K	L	T	V	D	D	E	A	F	L	S	S	A	H	A	G	A	T	
UniRef90_Q8K3C3	K	L	E	R	E	R	E	L	Y	T	Q	R	K	V	E	I	L	A	L	R	R	L	G	G	E	K	L	T	T	E	D	D	E	A	F	L	S	S	A	N	A	S	A	V
UniRef90_H2TSD9	K	L	P	R	D	V	Y	T	Q	Q	K	M	E	I	L	T	A	L	R	K	L	G	G	E	K	L	T	A	D	D	D	E	A	F	L	S	S	E	N	A	T	A	T	
UniRef90_Q28D79	K	L	G	R	D	L	Y	T	Q	Q	K	G	E	I	L	T	A	L	R	K	L	G	G	E	K	L	S	P	E	D	E	A	F	L	S	S	E	N	A	G	T	A	V	
UniRef90_UPI00027F9AB0	K	L	E	R	D	L	Y	T	Q	Q	K	V	E	M	L	T	A	L	R	K	L	G	G	E	K	L	T	A	A	N	E	A	F	L	S	S	A	N	A	G	T	I		
UniRef90_Q4RVP5	K	S	P	E	D	M	Y	L	Q	Q	K	V	R	V	L	L	M	L	K	K	M	G	S	N	L	T	P	S	E	E	E	F	L	R	N	Y	A	G	V	V	A			
UniRef90_H2LKY8	K	L	S	R	D	G	H	T	Q	Q	K	M	E	I	L	T	A	L	R	K	L	G	G	E	K	L	T	A	E	D	E	F	L	T	Q	N	A	T	A	T				
UniRef90_F4PQ64	K	I	S	K	D	S	Y	L	D	Q	S	I	E	I	L	Y	A	L	K	K	L	G	F	A	I	S	P	E	E	E	N	F	L	T	E	Q	H	K	S	R	V			
UniRef90_UPI0004431C01	K	L	E	R	D	T	Y	T	Q	Q	K	L	E	I	L	T	A	L	R	K	L	G	G	E	K	L	T	S	D	D	E	A	F	L	S	T	N	A	G	A	A			
UniRef90_S4RDF7	K	L	P	R	D	V	S	L	Q	Q	K	A	E	T	L	M	A	L	R	K	L	G	D	A	L	S	P	A	E	E	E	A	F	L	S	S	A	N	S	S	A	A		
UniRef90_K1Q4N0	K	L	S	G	D	V	S	T	Q	Q	K	V	E	I	L	T	A	L	K	K	L	G	E	S	L	T	P	E	E	E	E	S	Y	L	Q	S	N	S	S	S	S			
UniRef90_UPI0003597D26	K	L	P	K	E	L	A	L	Q	Q	S	V	E	I	L	T	A	L	K	K	L	G	G	E	K	L	T	A	P	E	T	A	Y	L	E	Q	H	S	S	S	S			
UniRef90_B3RZU2	K	L	A	V	D	V	Y	K	Q	Q	K	L	E	I	L	V	A	L	K	K	L	G	D	K	L	S	P	E	E	S	A	F	L	L	A	D	N	A	T	A	S			
UniRef90_I1G864	K	I	T	E	D	T	L	T	Q	Q	K	V	E	I	L	V	A	L	R	K	L	G	G	E	K	L	T	A	P	E	E	L	D	F	L	S	A	H	S	T	A	A		
UniRef90_Q4H117	K	L	S	E	D	V	Y	N	Q	Q	A	V	E	I	L	A	A	L	R	K	L	G	G	E	K	L	S	P	I	E	L	D	F	L	T	S	H	S	S	A	A			
UniRef90_UPI0003F070F7	K	L	T	Q	D	V	C	T	Q	Q	K	V	E	I	L	T	A	L	K	K	L	G	D	K	L	T	P	P	T	E	E	A	F	L	T	S	N	S	N	K	A			
UniRef90_UPI000265332A	K	A	S	T	L	V	Y	R	Q	Q	G	V	E	I	L	T	A	L	R	K	L	G	E	T	L	T	P	P	S	E	N	E	F	L	M	S	N	S	N	Q	A			
UniRef90_L5KIF3	K	S	P	E	D	V	Y	V	Q	Q	K	V	R	V	L	L	M	L	R	K	M	G	S	N	L	T	A	S	E	E	E	F	L	R	T	Y	A	G	V	A				
UniRef90_H2Z7E7	K	L	V	K	D	S	Y	I	Q	Q	K	V	E	I	L	T	A	V	A	K	L	G	E	N	L	T	P	P	E	E	Q	S	F	L	M	L	Q	H	K	S	T	S		
UniRef90_Q54ID4	K	L	S	K	D	A	Y	I	D	Q	S	V	E	I	L	A	A	L	K	K	L	D	F	V	L	S	P	E	E	E	A	F	L	L	E	K	H	K	S	R	S			
UniRef90_A7T0N0	M	G	Q	S	V	Y	T	Q	Q	A	I	E	I	L	M	A	L	K	K	L	G	E	Q	L	K	P	E	E	T	E	F	L	A	A	N	S	N	A	A					
UniRef90_S4ANA8	K	L	A	E	P	D	F	Q	Q	S	V	E	I	L	V	A	L	R	N	L	G	E	Q	L	S	P	P	A	E	V	E	F	L	N	K	H	S	S	S					
UniRef90_D3AWG0	K	L	S	K	D	S	Y	I	D	Q	S	V	E	I	L	V	A	L	K	K	L	G	F	T	L	S	P	E	E	E	N	F	L	L	E	Q	H	K	S	R	S			
UniRef90_R7TEI3	K	L	S	A	D	S	A	T	L	Q	T	V	E	I	L	T	A	L	K	K	L	G	E	K	L	S	V	E	E	D	A	F	L	H	T	H	S	S	N	S				
UniRef90_F2U8Y3	I	S	K	E	S	A	T	L	Q	Q	K	V	E	I	L	T	A	L	R	Q	L	G	E	Q	I	S	P	A	E	E	V	Q	F	L	T	Q	H	S	T	A	A			
UniRef90_L8GJP4	K	L	S	S	D	A	Y	T	Q	Q	A	L	E	I	L	T	A	L	K	K	L	G	E	T	L	S	A	E	E	L	H	F	L	S	A	N	M	T	A	S				
UniRef90_T2M8J8	K	L	C	G	V	F	Y	Q	Q	Q	I	V	E	I	L	S	A	L	K	K	L	G	E	V	L	T	H	S	E	E	E	Y	L	R	K	N	A	S	A	K				
UniRef90_A9UPF0	K	I	S	A	Q	Q	T	E	R	R	K	V	E	I	L	T	A	L	R	K	L	G	E	Q	I	S	P	P	E	E	A	Q	F	L	S	A	N	S	S	A	A			
UniRef90_T1K7K6	K	L	S	R	D	N	F	D	E	R	R	C	E	I	L	L	A	L	R	K	L	G	E	N	L	T	T	P	D	Q	I	S	V	I	E	N	H	S	S	I	A			
UniRef90_UPI00026595C2	K	L	A	L	E	P	Y	N	R	E	K	V	E	I	L	L	A	L	R	K	L	G	D	T	L	S	P	G	E	N	S	F	I	E	N	H	S	S	A	S				
UniRef90_L9L130																																												
UniRef90_W4XSK3																																												
UniRef90_F6YYT8	K	L	E	R	D	L	Y	T	Q	Q	K	V	E	I	L	T	A	L	R	K	L	G	E	K	V	P	K	K	E	V	F	G	I	V	S	A	L	E	I	I				
UniRef90_T1JJC0	K	L	S	L	A	I	A	L	Q	Q	K	V	E	I	L	T	A	L	R	K	L	E	E	P	L	N	A	T	E	L	Q	F	L	Q	N	Y	A	S	D	S				
UniRef90_F1LAB1	K	L	S	G	E	V	H	N	A	R	K	A	E	I	L	Y	A	L	L	K	M	G	A	E	L	S	R	E	E	D	A	F	L	S	N	Y	S	K	I	S				



```

QUERY
UniRef90_V9LEC7
UniRef90_J3S4L9
UniRef90_UPI0004444127
UniRef90_Q8K3C3
UniRef90_H2TSD9
UniRef90_Q28D79
UniRef90_UPI00027F9AB0
UniRef90_Q4RVP5
UniRef90_H2LKY8
UniRef90_F4PQ64
UniRef90_UPI0004431C01
UniRef90_S4RDF7
UniRef90_K1Q4N0
UniRef90_UPI0003597D26
UniRef90_B3RZU2
UniRef90_I1G864
UniRef90_Q4H117
UniRef90_UPI0003F070F7
UniRef90_UPI000265332A
UniRef90_L5KIF3
UniRef90_H2Z7E7
UniRef90_Q54ID4
UniRef90_A7T0N0
UniRef90_S4ANA8
UniRef90_D3AWG0
UniRef90_R7TEI3
UniRef90_F2U8Y3
UniRef90_L8GJP4
UniRef90_T2M8J8
UniRef90_A9UPF0
UniRef90_T1K7K6
UniRef90_UPI00026595C2
UniRef90_L9L130
UniRef90_W4XSK3
UniRef90_F6YYT8
UniRef90_T1JJC0
UniRef90_F1LAB1

```

```

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

```

