

QUERY	1	10	20	30	40					
UniRef90_I9WNR5	G	M A D	I	D D Q A S K T E	M E A A A F R H L	R H L	D E H K D V	Q Q N I	D L M N L	A A
UniRef90_A9W6D4		M P E I	D D P K T Q T	E E L E A A A V F R R L	V S H L	L R N R D R	T T D V Q Q	N N I	D D L M N N L	A A
UniRef90_E2CJ87		M T G I	D D D A T K T	E E L E A A A V F R R L	V S H L	L R N R D R	T T D V Q Q	N N I	D D L M N N L	A A
UniRef90_V4RAA3		M T D I	D D D E K T R T	E E L E A A A F F R R L	V V A H L	L R R E R T	T D V Q Q	N I	D D L M N N L	G A
UniRef90_UPI000374835A		M D T	D D K T Q T	E E L E A A A F F R R L	V V K H L	L R R E R T	T D V Q Q	N I	D D L M N N L	A A
UniRef90_D3NUB2		M A D L	D D H Q T R T	E E L E A A A F F R R L	V V E H L	L R R E R T	T D V Q Q	N I	D D L M N N L	A A
UniRef90_A8TJD7		Q N L	D D K Q T R T	E E L E A A A F F R R L	V V A H L	L R R E R T	T D V Q Q	N I	D D L M N N L	A A
UniRef90_UPI000371E2ED		M T E I	D D S K Q T R T	E E L E A A A F F R R L	V V A H L	L R R E R T	T D V Q Q	N I	D D L M N N L	A A
UniRef90_U7G1R0		M T D I	D D S Q T R T	E E L E A A A F F R R L	V V Q H L	L R D E H K	D V Q Q	N I	D D L M N N L	A A
UniRef90_C6KUU2		M S E L	T Q S Q Q T	E E L E A A A V F R R L	V H L	L A D D E R	K D V Q	Q N I	D D L M N N L	A A
UniRef90_L0LM94		M T E V	T K E Q T	E E L E A A A F F R R L	V V A H L	L R R E R T	T D V Q Q	N I	D D L M N N L	A A
UniRef90_UPI00036DF3C9		M D K Q	Q T Q T	E E L E A A A F F R R L	V V I T H L	L R D K R K	D V Q Q	N I	D D L M N N L	A A
UniRef90_F6AEI7		M N D Q	Q R Q R	E E L E A A A F F R R L	V V Q H L	L R R E R T	P D V Q	Q N I	D D L M N N L	A A
UniRef90_UPI0003665F6C		M D S Q	K T Q T	E E L E A A A V F R R L	V K H L	L F Q D D R	E V Q Q	N I	D D L M N N L	A A
UniRef90_UPI0003B64D31		D L D S	Q T R T	E E L E A A A F F R R L	V V A H L	L R R E R T	T D V Q Q	N I	D D L M N N L	A A
UniRef90_F2IWJ8		L D D E	K T R T	E E L E A A A F F R R L	V V E H L	L R R E R T	T D V Q Q	N I	D D L M N N L	A A
UniRef90_I4YTP4		M K D L	D A K T Q T	E E L E A A A F F R R L	V V E H L	L R R E R T	T D V Q Q	N I	D D L M N N L	A A
UniRef90_UPI00035FC635		M U P D	K T R T	E E L E A A A F F R R L	V V L H L	L R D S R K	D V Q Q	N I	D D L M N N L	A A
UniRef90_UPI0003718BDC		L T E I	D A Q T Q T	E E L E A A A V F R R L	V A H L	L R E R T	T D V Q	Q N I	D D L M N N L	A A
UniRef90_K2JKG2		M S Q I	D E K T R T	E E L E A A A F F R R L	V V D H L	L Q T R E R	S D V Q	Q N I	D D L M N N L	A A
UniRef90_B6ITZ0		L D D E	R T R T	E E L E A A A F F R R L	V V A H L	L R R E R S	D V Q Q	N I	D D L M N N L	A A
UniRef90_K8P8B9		M D D K	T R T	E E L E A A A V F R R L	V E H L	L R G R T	D V Q Q	N I	D D L M N N L	A A
UniRef90_A4BDA1		M N K Q	T Q T	E E L E A A A V F R R L	V L H L	L D T R K S	D V Q Q	N I	D D L M N N L	A A
UniRef90_L0NH77		M S G L	T E Q Q K T	E E L E A A A F F R R L	V V Q H L	L R R E R S	D V Q Q	N I	D D L M N N L	G A
UniRef90_F8JIQ7		M K T F	D P Q T T	E E L E A A A V F R R L	V E H L	L R S R T	D V Q Q	N I	D D L M N N L	A A
UniRef90_W9GYE8		M T E L	D E R T R T	E E L E A A A F F R R L	V V Q H L	L R R D R	T D V Q	Q N I	D D L M N N L	A A
UniRef90_G4T289		M D K Q	I Q T	E E L E A A A F F R R L	V V E H L	L Q S H P	E V Q Q	N I	D D L M N N L	A A
UniRef90_K2FWD7		T E L P	P D T Q Q A	E E L E A A A V F R R L	V A H L	L D S R R	D V Q Q	N I	D D L M N N L	A A
UniRef90_UPI00035D7029		M D P N	K Q T	E E L E A A A V F R R L	V Q H L	L Q R K D	D V Q Q	N I	D D L M N N L	A A
UniRef90_K9HU47		M D D K	T R T	E E L E A A A F F R R L	V V Q H L	L Q D E R	T D V Q	Q N I	D D L M N N L	A A
UniRef90_UPI0004673043		M T E L	T E E Q K R	D L E E L E A A A F F R R L	V V A H L	L R E R T	T D V Q	Q N I	D D L M N N L	A A
UniRef90_UPI0003675569		M T E I	D S K E Q Q	T E F E L E A A A F F R R L	V V K H L	L Q T R A S	D V Q Q	N I	D D L M N N L	M A
UniRef90_A0A021X2Q0		M T E L	S K E Q Q T	E E L E A A A F F R R L	V V K H L	L G E R S	D V Q Q	N I	D D L M N N L	A A
UniRef90_C1DNP1		T K M T	E E Q R I	E L E E A A A F F R R L	V V Q H L	L R S R P	D V Q Q	N I	D D L M N N L	A A
UniRef90_Q0AA43		M D D K	T R T	E E L E A A A F F R R L	V V Q H L	L R R E R S	D V Q Q	N I	D D L M N N L	A A
UniRef90_UPI00040E8DE3		M D E Q	T R I	E L E E A A A F F R R L	V V L H L	L R R E R S	D V Q Q	N I	D D L M N N L	A A
UniRef90_UPI00046A962E		M S E L	D E Q A R T	E L E E A A A F F R R L	V V A H L	L D D N K	D V Q Q	N I	D D L M N N L	A A
UniRef90_A5FUX5		D D A T	R T R T	E L E E A A A F F R R L	V V A H L	L R R E R T	D V Q Q	N I	D D L M N N L	A A
UniRef90_H0TYW0		M D T T	T R T	E L E E A A A F F R R L	V V E H L	L R R E R T	D V Q Q	N I	D D L M N N L	A A
UniRef90_N2JP94		M T E Q	E R I	E L E E A A A F F R R L	V V E H L	L R K R T	D V Q Q	N I	D D L M N N L	S A
UniRef90_UPI0004635A54		M P G V	D A A T V T	E L E E A A A V F R R L	V R H L	L R D R K	P D V Q	Q N I	D D L M N N L	S A
UniRef90_W8RRK4		M D D K	K T R T	E L E E A A A F F R R L	V V Q H L	L D E R K	D V Q Q	N I	D D L M N N L	S A
UniRef90_E1SR12		M D K H	T E T E	V I Q E A A A V F R R L	L S H L	L D S H K	E V Q Q	N I	D D L M N N L	S A
UniRef90_C5BNF8		E T N K	T E L	V I Q E A A A F F R R L	L A H L	L D E R K	D A V Q	Q N I	D D L M N N L	S A
UniRef90_F7UCU7		M T T Q	N D K Q Q I	E F E L E A A A F F R R L	V V Q H L	L R R E R H	D V Q Q	N I	D D L M N N L	S A
UniRef90_UPI00037DBB20		M T E L	S K E Q Q R	I A F E L E A A A F F R R L	V V E H L	L R E R G	D V Q Q	N I	D D L M N N L	S A
UniRef90_Q2BQY8		M D K Q	Q Q N E I	E L E E A A A F F R R L	V V A H L	L D N R K	D V Q Q	N I	D D L M N N L	S A
UniRef90_Q1QNZ9		T I D D	K T K T	E L E E A A A V F R R L	V A H L	L Q S R S	D V Q Q	N I	D D L M N N L	S A
UniRef90_Q28VA0		M S E P	T K T	E L E E A A T F F R R L	V A H L	L D S R K	D V Q Q	N I	D D L M N N L	T A
UniRef90_UPI00030ADA15		M Q Q I	D A H T M T	E L E E A A A V F R R L	V K H L	L R R E R	T D V Q	Q N I	D D L M N N L	T A
UniRef90_K2QCP4		M T L P	T K D Q Q T	E L E E A A A F F R R L	V V S H L	L R N R P	D V Q Q	N I	D D L M N N L	T A
UniRef90_Q1QW88		M Q H I	D A G T R T	E L E E A A A F R Q L L	L D H L	L D A N K	D V Q Q	N I	D D L M N N L	T A
UniRef90_G4FAR6		A M N E	L D Q S T R T	E L E E A A A F R R L L	L E H L	L Q D D N	T D V Q	Q N I	D D L M N N L	T A
UniRef90_UPI00036A0CB7		N I D P	Q T R T	E L E E A A A F R G L V	A H L	L Q T R T	D V Q Q	N I	D D L M N N L	T A
UniRef90_B3PBV3		N I K E	L P D T T Q Q	T E L E A A A V F R R L	V L E H L	L D A R K	D V Q Q	N I	D D L M N N L	T A
UniRef90_UPI0004780245		M K T M	D K Q T R T	E L E E A A A F F R R L	V V A H L	L Q E R S	D V Q Q	N I	D D L M N N L	T A
UniRef90_W3RQY3		I D D A	T R T	E L E E A A A F R T L V	V Q H L	L R T R T	D V Q Q	N I	D D L M N N L	T A
UniRef90_S6GD26		M D Q Q	T Q T	E L E E A A A F R R L L	V E H L	L D S R K	D A Q Q	N I	D D L M N N L	T A
UniRef90_K5YWW6		M D S A	T Q E R	L E E A A A F R R L V	V A H L	L R A R S	P D V Q	Q N I	D D L M N N L	T A
UniRef90_UPI00037948ED		M T E Q	Q Q Q E	L E E L E E A A A F R R L	V L H L	L R A R S	D V Q Q	N I	D D L M N N L	T A
UniRef90_A7HUR4		M D K A	T Q T	E L E E A A A F R R L	V A H L	L G A R T	D V Q Q	N I	D D L M N N L	T A
UniRef90_UPI000471E91B		M T D K	S E I	E L Q E A A A F R R L	R D H L	L Q E R T	D V Q Q	N I	D D L M N N L	T A
UniRef90_UPI000255757F		M T D Q	E R L E L	E L E E A A A F R R S L	V Q H L	L R S R P	D V Q Q	N I	D D L M N N L	T A
UniRef90_W9URM4		M K T L	D Q T T Q T	E L E E A A A F R T L L	L Q H L	L D A N K	D V Q Q	N I	D D L M N N L	T A
UniRef90_UPI00047AE816		P D F D A	Q T Q R Q L	E L E E A A A F R R L L	R D H L	L R S R K	D V Q Q	N I	D D L M N N L	T A
UniRef90_Q0BV89		M T D L	S D K Q R E A Y	E L E E A A A F R R L L	S H L	L R E R S	D V Q Q	N I	D D L M N N L	T A
UniRef90_UPI0004640636		D T T	K I	E L E E A A A F R R L L	R D H L	L R E R T	D V Q Q	N I	D D L M N N L	T A
UniRef90_E0MR03		M D T I	D D Q K R I	E L E E A A A F R R L R	D H L	L R E R T	D V Q Q	N I	D D L M N N L	T A
UniRef90_B7RTM1		I D D S	T R T	E L E E A A A F R R L V	A H L	L R E R S	D V Q Q	N I	D D L M N N L	T A
UniRef90_Q1YK30		M D D Q	T R I	E L E E A A A F R R L V	Q H L	L Q E R T	D V Q Q	N I	D D L M N N L	T A
UniRef90_Q07J50		A K L D	P Q T R L E	L E E A A A F R R L V	Q H L	L Q D R K	D V Q Q	N I	D D L M N N L	T A
UniRef90_A3SIG8		M E K N	T E T	E L E E A A A V F R R L L	L A H L	L D S R K	D V Q Q	N I	D D L M N N L	T A
UniRef90_K2L0H1		M T N K	T E T	E L E E A A A F R R L L	L E H L	L D S R K	D V Q Q	N I	D D L M N N L	T A
UniRef90_UPI0003688DEC		M T D L	S E D E R T K L	E L E E A A A F R R L V	A H L	L A A R T	D V Q Q	N I	D D L M N N L	T A
UniRef90_F2JY27		M T K L	S S Q Q Q Q L E	F E L E E A A A F F R R L	V A H L	L R D R P	D V Q Q	N I	D D L M N N L	T A
UniRef90_M5E883		M N D Q	T R T	E L E E A A A F R R L V	E H L	L R T H P	E V Q Q	N I	D D L M N N L	T A
UniRef90_A8ILX9		M D N A	Q Q V E I	E L E E A A A F R R L L	L K H L	L D S R K	D V Q Q	N I	D D L M N N L	T A
UniRef90_UPI000472F089		M D Q K	T E I	E L Q A A T F R R R L	L K H L	L D D N K	D V Q Q	N I	D D L M N N L	T A
UniRef90_UPI00046EAB2D		M S D Q	Q Q A I	E L E A Q V F R R L L	D H L	L D S R K	D V Q Q	N I	D D L M N N L	T A
UniRef90_K6XT99		M D D Q	Q R L E	L E E A A A F R R L	L Q H L	L M E R T	D V Q Q	N I	D D L M N N L	T A
UniRef90_B8KY84		T T M D	K Q I Q T	E L E E A A A F R R L L	D H F	L Q Q H T	E V Q Q	N I	D D L M N N L	T A
UniRef90_A0A058ZIX4		M D A Q	T K L E	I E E A A A F R R L	L Q H L	L M E R K	D V Q Q	N I	D D L M N N L	T A
UniRef90_UPI000375A358		E K T T	E L E E A A A V F R R L	L K H L	L D D N K	D V Q Q	N I	D D L M N N L	T A	
UniRef90_UPI000371A611		D P R	E T T	E L E E A A A F R R L V	A H L	L R E R A	D V Q Q	N I	D D L M N N L	T A
UniRef90_J3HM33		M T D L	S R E Q Q T	E L E E A A A F R R L V	E H L	L R T R N	D V Q Q	N I	D D L M N N L	T A
UniRef90_Q21I56		D T D K	T E L	E L E E A A T F R R L	L A H L	L D N N K	D V Q Q	N I	D D L M N N L	T A
UniRef90_X5ME09		M S T D	Q K T E	L E E A A A F R R L	V A H L	L Q E R T	D V Q Q	N I	D D L M N N L	T A
UniRef90_A3V1Y9		T D M D	D Q T R I	E L E E A A A F R R L R	Q H L	L Q D R P	D V Q Q	N I	D D L M N N L	T A

QUERY	D	F	C	R	N	L	50	60	70	80																																		
UniRef90_I9WNR5	G	F	C	R	N	L	S	N	W	L	K	D	A	A	D	E	R	T	G	V	L	V	L	T	K	D	D	E	S	R	R	E	A	V	Y	G	M	P	F	A	E	D	W	K
UniRef90_A9W6D4	G	F	C	R	N	L	S	N	W	L	K	D	A	A	D	E	R	T	G	V	L	V	L	T	K	D	D	E	S	R	R	E	H	V	Y	G	M	P	F	A	E	D	W	K
UniRef90_E2CJ87	G	F	C	R	N	L	S	N	W	L	K	D	A	A	D	E	R	T	G	V	L	V	L	T	K	D	D	E	S	R	R	E	H	V	Y	G	M	P	F	A	E	D	W	K
UniRef90_V4RAA3	G	F	C	R	N	L	S	N	W	Y	R	E	A	A	E	E	R	K	G	L	I	E	S	M	T	K	D	E	A	S	R	E	V	V	Y	G	M	P	F	A	E	D	W	K
UniRef90_UPI000374835A	G	F	C	R	N	L	S	K	W	Y	K	A	A	A	D	D	R	Q	N	G	V	L	E	T	S	T	Y	D	E	E	A	C	H	V	Y	G	M	P	F	A	E	D	W	K
UniRef90_D3NUB2	G	F	C	R	N	L	S	K	W	Y	A	A	A	A	K	E	E	R	G	N	V	I	E	P	L	T	Y	E	E	A	R	I	A	V	Y	G	M	P	F	A	E	D	W	K
UniRef90_A8TJD7	G	F	C	R	N	L	S	K	W	Y	R	A	A	A	E	E	K	G	L	D	I	L	D	Y	E	E	Q	A	R	E	I	V	Y	G	M	P	F	A	E	D	W	K		
UniRef90_UPI000371E2ED	G	F	C	R	N	L	S	N	W	L	K	D	A	A	D	A	D	Q	G	V	E	L	D	T	K	D	E	Q	A	R	E	L	V	Y	G	M	P	F	A	E	D	W	K	
UniRef90_U7G1R0	D	F	C	R	N	L	S	K	W	L	S	A	A	A	S	E	E	A	G	L	I	E	L	D	Y	E	A	A	R	E	R	V	Y	G	M	P	F	A	E	D	W	K		
UniRef90_C6KUU2	G	F	C	R	N	L	S	K	W	L	S	A	A	A	E	E	A	G	L	I	E	L	D	Y	E	A	A	R	E	R	V	Y	G	M	P	F	A	E	D	W	K			
UniRef90_L0LM94	G	F	C	R	N	L	S	N	W	Y	R	E	A	A	E	E	A	E	A	G	L	I	E	L	D	Y	E	A	A	R	E	R	V	Y	G	M	P	F	A	E	D	W	K	
UniRef90_UPI00036DF3C9	G	F	C	R	N	L	S	K	W	Y	L	J	A	A	E	E	V	R	G	V	E	L	M	N	Y	D	D	Q	A	R	E	V	Y	G	M	P	F	A	E	D	W	K		
UniRef90_F6AEI7	G	F	C	R	N	L	S	K	W	Y	K	A	A	A	D	D	L	E	I	T	V	T	P	D	Q	A	R	E	E	V	Y	G	M	P	F	A	E	D	W	K				
UniRef90_UPI0003665F6C	G	F	C	R	N	L	S	K	W	Y	R	A	E	A	E	E	K	G	I	C	L	E	D	A	A	R	E	I	V	Y	G	M	P	F	A	E	D	W	K					
UniRef90_UPI0003B64D31	G	F	C	R	N	L	S	R	W	Y	Q	E	S	A	A	E	E	K	G	I	D	D	L	D	K	E	T	A	R	E	I	V	Y	G	M	P	F	A	E	D	W	K		
UniRef90_F2IWJ8	G	F	C	R	N	L	S	N	W	Y	Q	E	A	A	Q	A	R	G	I	D	M	P	K	D	E	S	R	E	T	V	Y	G	M	P	F	A	E	D	W	K				
UniRef90_I4YTP4	G	F	C	R	N	L	S	N	W	L	K	E	A	A	D	E	R	G	L	I	A	L	S	K	E	T	A	R	T	H	V	Y	G	M	P	F	A	E	D	W	K			
UniRef90_UPI00035FC635	G	F	C	R	N	L	S	K	W	Y	S	A	A	A	G	E	R	G	E	S	V	D	Y	E	T	A	R	E	I	V	Y	G	M	P	F	A	E	D	W	K				
UniRef90_UPI0003718BDC	G	F	C	R	N	L	S	N	W	Y	Q	D	A	A	A	E	K	G	I	E	I	E	R	A	A	A	R	E	R	V	Y	G	M	P	F	A	E	D	W	K				
UniRef90_K2JKG2	G	F	C	R	N	L	S	K	W	Y	A	A	A	A	K	E	R	K	S	L	D	V	S	Y	D	D	A	R	E	I	V	Y	G	M	P	F	A	E	D	W	K			
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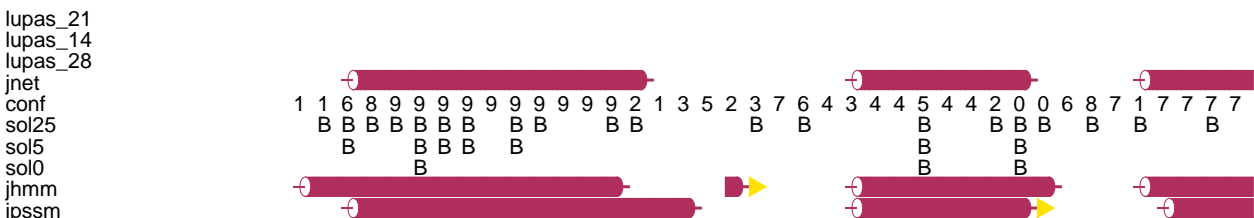
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UniRef90_UPI0002631636 A R Y Q G E A T P E Q L A R M E E S
UniRef90_K0R893      E R H Q K K A T A D Q L D R Y N A S
UniRef90_K0R893      E R H Q K K A T A D Q L D R Y N A S
UniRef90_N9UWK5      A R F H V A A T P Q Q L A R M E E S
UniRef90_B8BUE4      K L H Q K K A T D E Q M
UniRef90_B8BUE4      K L H Q K K A T D E Q M
UniRef90_J9Y8Z8      E K H Q L P A T D E Q L E K L A A R

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lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

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7 5 3 1 8 8 7 4 7 9 9 8 9 8 6 1 4 9

B B B B