

QUERY	10	20	30
UniRef90_K1Q5V0	P G T V D K K M V E K C W K L M D K V V R L C Q N P K L A L K N S P P P Y I L D L		
UniRef90_UPI0002657C32	V V D K K T I E K S W K L M D R V V K L C Q N P K R M N L R N S P P P F I I L D L		
UniRef90_J9JJZ3	V I E R K T I E K T W K L M D K V M D K V F C Q D P R M N L R N S P P P F I I L D L		
UniRef90_G3Q913	A S I D K R T L E K T W K L M D K V V K L C Q H S K M N L K N S P P P F I I L D L		
UniRef90_UPI0003F06D30	S A A D R R T I V E K T W K L M D K V V R L C Q N P R L Q L K N S P P P Y I I L D L		
UniRef90_T1L458	A T A D K K S L E K A W K L M D K V V K S C Q H P R M H K N S P P P Y I I L D L		
UniRef90_QAVD	V I D K R T V E K T W K L M N K V V K L C Q N P K I I L K N S P P P F I I L D L		
UniRef90_S4R6P1	Q A V D K R L V E K T W K L M D K V V R Y C Q N P K V Q L K N S P P P Y M I L D L		
UniRef90_H2Z2P4	T I D K K Y I L E K S S K L M D K V A K F C Q Q S K M N L K N S P P P Y I I L D L		
UniRef90_C3Y0Y7		M D K V V K L C Q H P R M S L K N S P P P Y I I L D L	
UniRef90_Q4SPD1	P G A V D K K T V E K C W K L M D K V V R L C Q N P K L A L K N S P P P Y I I L D L		
UniRef90_E5SBG4	P P H I D K K T I E K T W R L M D Q V V R M C Q H P R L N L K N S P P P F I I L D L		
UniRef90_U1NJL7	D R R A L E K T F K L M D H V V K Q C Q Q P R L N L K N S P P P F I I L D L		
UniRef90_H9FI18	I D R K A L D K T R K L M D K V V R L C Q N P K I I L K N S P P P Y I I L D L		
UniRef90_C1C1B9	A V D K K L A E K A S R L L E K L V C L C Q Q P K M Q L K N S P P P Y I I L D L		
UniRef90_H3AWW8	V D K K S F E R A W R E I E K V G K L C Q N P K L A L K N S P P P F M I L D L		
UniRef90_UPI00046B8000	V V D K K S I E K S W K L M D K V V K L C Q Q P K M N L K N S P P P F I I L D L		
UniRef90_T2MG42	D R R T I L C K T F K L M D D V V K A C Q H R L N L K N S P P P F I I L D L		
UniRef90_T1FD14	P T S A D R K I L L E K V L K R L D K L H K L S V D P R L A L L K N S P P P Y I I L D L		
UniRef90_A0A016UJ48	V D K K C V D F C Y K Y L D K V V R L C Q Q P K L N L K N S P P P F I I L D L		
UniRef90_F6PCP5	Q W G E A R A V D R A V R L L Q R L E E Q C G D P R L T S S P P S L R D L		
UniRef90_Q5C3K1	S R V D K K A I D S V I R R L L T N L C R D P R I V L R N S P P P Y I I L D L		
UniRef90_L5KMF5	Q W G E Q R S L G R A V R L L Q R L E E Q C G D P R I A M G P P S L Q D L		
UniRef90_U6IN86	D R R T I L D K V G R R L Q R L Q K C E N P R L G L R N S P P P Y I I L D L		
UniRef90_UPI0003500DA5	A I D K K T V E K A W K L M D K V V N L C A N R M N L K N S P P P F I I L D L		
UniRef90_W5M9V8	W L D R K L V D K V T R I L T K I V K L C Q R P K M N L K N S P P P Y I I L D L		
UniRef90_11FXE6	P L S K E R Q M V D K S L K K L D R L H N L C T N P R L G L R N S P P P F I I L D L		
UniRef90_B3RTT8	D L R L M E K T L K R L E R L S D C T N P R L G L R N S P P P F I I L D L		
UniRef90_H2MER5	T T S D R R F L L K A C K L M D Q V V K N C H S P R L G L R N S P P P F I I L D L		
UniRef90_UPI00044381E0	H R S L E K A L Q G L T K L Q H L V S Q P Q L R F V G P P S L P Y L I L D L		
UniRef90_H2W705	Q W G E P R A L G R A V K L L Q R L E E Q C R D P R L F V G P P S L R D L		
UniRef90_UPI000441F07E	K K T I G S C Y K W L D R R V V H L C L N P R L F N L R A S T P C I L D L		
UniRef90_G3V8H4	G D R L L V D K L L K R L V K L R H L C A N A R M G L R L S P P P Y I I L D L		
UniRef90_H2KVKO	G A A A R R S L D K A L Q G L L V E P Q G L R L S P P P Y I I L D L		
UniRef90_G3NGI5	P T R G D L R L V D K T L R R L D K L Q Q L C S T P R L G L R N S P P P Y I I L D L		
UniRef90_UPI000388C095	G V V D K R A V E K C W K L M D K V V R L C Q N P K V G L K N S P P P Y I I L D L		
UniRef90_I3JZS6	E P R A L G R A V R L L Q R L E E Q C G D P R L S S S P P S L R D L		
UniRef90_UPI0004574347	Q W G E S R A F G R A V R L L Q R L E E Q C G D P R L S S S P P S L R D L		
UniRef90_UPI0003292A8B	S V S D R K T F D K L Y K L M D L V I K A C N T P K L N L K N S P P P F I I L D L		
UniRef90_A6QPZ5	Q W G E Q R A L S R A V R L L Q R L E E Q C G D P R L A M G P P S L R D L		
UniRef90_H3FMQ3	A T D K R T L D K T W K L M D K V V K L C Q H Q K M N L K N S P P P F I I L D L		
UniRef90_UPI000333F1A0	P R A L S R V V K L L E R L E E Q C G N P R L S S N P P S L R D L		
UniRef90_V5I9K3	E S S A F G R A V R L L Q R L E E E Q C G D P R L A S S S P P S L R D L		
UniRef90_UPI0003341140	Q S G Q Q R A L D R A V K L L E R L E A Q C Q G D P R L A S S S P P S L R D L		
UniRef90_UPI00042C8DB5	A E P R A I R R A V S L L E R L E G Q C Q D P R L A L K N S P P P F I I L D L		
UniRef90_UPI00045E27A3	A R A F D R A V R L L Q R L E E E Q C S D P R L L S M A F G H P P S L R D L		
UniRef90_M7BA18	A V A D R R T V E K T W K L M D K V V R L C Q N P R L Q L K N S P P P Y I I L D L		
UniRef90_UPI0003333396	R M L G R A V R L L Q R L E E E Q C G D P R L A S S S P P S L R D L		
UniRef90_F7DR13	T I D T K T L L R I D K N T E R L I T C Q N P R L L G L K N S P P P Y I I L D L		
UniRef90_I3KEF7	H T L C T D S R L L G L K N S P P P Y I I L D L		
UniRef90_UPI00033433DE			
UniRef90_A9JUYU0			
UniRef90_W5K157			
UniRef90_E2RCK0			
UniRef90_UPI0003316B25	A V R L L Q R L E E E Q C G D P R L A S G P P S L R D L		
UniRef90_UPI0003F15079	Q S G E N R A L G R V N L L Q R L E A Q C Q G D P R F A T S P P S L R S N L		
UniRef90_UPI000444121D	A A G E P R A L S R A E K L L R R I E E Q C G D P R L T S S P P S L R D L		
UniRef90_T1ELS4		N S K L N L K N S P P P F I I L D L	
UniRef90_F2UL73	P G A V D A R T T S R I E K A T R K L L T L C S N K R L K L K N S P P P Y I I L D L		
UniRef90_UPI00002F2D1F5	A R K E Q K S L A R A I R A L E H L E H L G Q D P H T L E P S P S L R A D L		
UniRef90_V8NBW1	T G A H R S L E K T L Q G L T K L Q Q L A C Q P Q V A L R N S A P H I P S L		
UniRef90_T1FF19	E K R S I L D R A W E M L D K L V K L C Q H Q R M N L K H S P P Y I I L D L		
UniRef90_UPI00034FB9D9	G S I D R G T M N K A I R E L D L L S G I S A V P L L H R S H P Y I I L D L		
UniRef90_E4WW32	M D T I M K A C G K I T N L N N N S P P Y I I L S I		
UniRef90_W5Q088			
UniRef90_UPI0003C8C650			
UniRef90_B4HJ16			
UniRef90_UPI000344755	S G E A R A L G R A V R R L Q R L E G Q C Q D P R L A S S S P P S L R D L		
UniRef90_E9C5G4	D S R T I L D R L S S R V Q K I L K I L S K K L T L R N S P P F L Q E L		
UniRef90_D3PFW5	P S P D R K A I D K T W K L M D K V V K N C Q H P R M N L R N S P P F I I L D L		
UniRef90_UPI00046BB933	G E P R S L S R A V R L L Q R L Q E Q C G D P R L S S N P P S L R D V		
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UniRef90_Q4T8G2			
UniRef90_UPI00038EECB	V D K A L R Q L K K L H N L C T D P Q L G L R N S P P Y I I L D L		
UniRef90_UPI00038404C4F	G T V D K K M V E K C W K L M D K V K G P A E D P R		
UniRef90_UPI0002PBP7501			

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lupas\_28  
jnet  
conf  
sol25  
sol5  
sol0  
jhmm

QUERY		50	60	70	80
UniRef90_K1Q5V0	L P D T Y Q H L R T I L S R Y E G K M E T L G E N E Y F R V F M E N L M K K T K				
UniRef90_UPI0002657C32	L P D T Y Q H L R L I Y N K H D K L N T L N E N D Y F R V F I E N L M N K C K				
UniRef90_J9JJZ3	L P D T Y Q H L R L I Y A K Y E L E M Q I L S E L Y N N E H F N V F I L N V I R K				
UniRef90_G3Q913	L P D A Y Q H L R L T L G K Y E E N L S E L S E N E Y F K V Y I I D S L M R K S K				
UniRef90_UP10003F06D30	L P D T Y Q H L K L I W S K Y E D R P Q F L N D C Y E Y F R I V F I S N L Y R K T K				
UniRef90_T1L458	L P D T Y Q H L R L I Y N K Y E D R M M N Y D L G D N E F F R V F I D N L N K K C				
UniRef90_S4R6P1	L P D T Y Q H L R L V L A R H D D R M A A L G D N E F F R V F I D N L L S K S K				
UniRef90_H2ZZP4	L P D T Y N H L R L I M L R Y E D R L Q V L N E C Y E Y F R I V F I D N L M K K C C				
UniRef90_C3Y0Y7	L P D T Y Q H L R I H A K Y D D R M Q Q L N D C Y E Y F R V Y I E N L I R K				
UniRef90_Q4SPD1	L P D T Y Q H L R T I L S R Y E G K M E T L G E N E Y F R V F M E N L T K K T K				
UniRef90_E5SBG4	L P D T Y Q H L R L I C A Q D F S L S E N E Y F R F F I M N L M R K C C				
UniRef90_U1NJL7	L P D T Y H Q L T Q I F V K D P N C Y F R E N I Y L Q L F I E N L Q A K				
UniRef90_H9FI8	L P D T Y Q H L R L I L S K Y D D N L A Q L S E N E Y F K I V Y I D S L M K K S C				
UniRef90_C1C1B9	L P D T Y Q R L L I I S R S Q E E E L N S N E Y F R V F M E N L Q R K				
UniRef90_H3AWW8	V P E T Y Q H F H L V L G N Y E L R S E A L W E N E Y F R V F M E N L M K K T K				
UniRef90_UP100046B8000	L P D T Y Q H L R T V L S R Y E G K M E T L G E N E Y F R V F M E N L M K K T K				
UniRef90_T2MG42	L P D T F N H L K T I Y H Y E D K L H V L N E F E Y F K I Y L V N L D C C C C				
UniRef90_T1FD14	L P D T Y Q H L K Q I S L K Y E D K M S T L N D I E Y F R I F L D N L I T K				
UniRef90_A0A016UJ48	L P D T Y T Q L V Y I F T Q N H V I L R D N Y Y I Q F I L L E N M Q K				
UniRef90_F6PCP5	L S E T A I H L T E V W A P Y R G S A M A V P E G D Y M R I H I R H L L D K T K				
UniRef90_Q5C3K1	I P D I Y E K L Q G I T A K Y E E N Y D L S E I D Y F Q I Y I L T L I E K K C				
UniRef90_L5KMF5	L P R T A Q L L R E V A Q A Q R R G P E D P G G A R D F L V I Y L A N L V A K S R				
UniRef90_U6IN86	L P D I A E K L R N I M F A Y Q G S L D E L F K S V Y F Q V F L L N L N E A K G R				
UniRef90_UP10003500DA5	L P G T A Q L L R E V A K A Q R D A G G G P G G A W D F L H Y L A N L E A K G R				
UniRef90_W5M9V8	V P D T L G H L R L V W G S R G G A A A A S D E A E Y L G L I L R H L L D K A D				
UniRef90_11FXE6	L P E T Y Q H L R K I F K N Y E T Q L D F L N D N D Y F K I F M E N L T N K C C				
UniRef90_B3RTT8	L T Q I Q H H I L T V I Q E Q R G D L D L K N Q I E Y L T F Y F G N D M K K				
UniRef90_H2MER5	V R E T L T L L H Q V W E P Y L G Y S S A G G E A T Y L G V H V R N L L L D K T D				
UniRef90_UP100044381E0	V R E T L T L L T Q V W L P Y Q D V R T G G G E A R Y Y M R I H I R N L L L D K T D				
UniRef90_H2W705	L P D I Y T H L M L I F T E N N E L Q Q E N D Y V K I I L L A N L V T K C K				
UniRef90_UP1000441F07E	L P Q L H Q H L R L I R E H Y G A S L Q G Q L W E G D V F R I F L L N L L E A K G R				
UniRef90_G3V8H4	L P R T A Q L L R E V A K A R G D P E G P G G A G D F L V I F I H S V I S K S K				
UniRef90_H2KV0	I P D I Y E K L Q H I V S C Y Q D D Y T T L S H I R Y F R I F I H S V I S K S K				
UniRef90_G3NG15	V S D T A A L L T Q V W E P Y R G P G A A G G E A E Y L R V H A R N L L D K T E				
UniRef90_UP1000388C095	L P Q M R Q H L L L I R G Q P G A S L S R L W E A G Y F P V Y I N N L Q R K V				
UniRef90_I3JZS6	V S E T S A L L I Q V W E P F Q D F R A A G D E A E Y L R I H I K N L F D K T K				
UniRef90_UP10004574347	L P D T Y Q H L R V I L S R Y E G K M E V L G E N E Y F R V F M E N L L K K T K				
UniRef90_UP10003292A8B	L P R T A Q L L R Q V A H A R R R D S E G P G G A G D F L L A V Y L T N L L E A K G R				
UniRef90_A6QPZ5	L P R T A Q L L R Q V A Q A R R E A G G G V P E W D F L M V Y L A N L E A K S R				
UniRef90_H3FMQ3	I P D T F T Q L L I A I F T R D P N V M R S N E Y M G L F M S N A Q L K C				
UniRef90_UP1000333F1A0	L P G M A Q L L R K V A R V R Y D A E G P G G A W D F L E V Y L A N L E A K A K				
UniRef90_V51K3	L P D T Y Q R L R L I Y S K Y E D N M A A L H S I E H F N I F I I N L M R K C				
UniRef90_UP1000341140	L P R T A Q L L R K V A Q A Q W R A E G G A G G A W D F L V T Y L A N L E A K G R				
UniRef90_UP100042C8DB5	L P C T A Q L L R E V A H A R R E G G E G G G P A E D F L L V V Y L A N L E A K S R				
UniRef90_UP100045E27A3	L P R T A Q L L R Q V A K A R Q G P E G P G G S W D F L V V Y L A N L E A K S R				
UniRef90_M7BA18	L P D T Y Q H L R T I L S R Y E G K M E T L G E N E Y F R V F M E N L M K K T K				
UniRef90_UP10003333396	L P R T A Q L L R E V A S A R D A P E G P G G A W D F L V T Y L A N L E A K G R				
UniRef90_F7DR13	L P R T A Q L L Q E V A Q A Q R A A G G G G D P S E N F L V I Y Y L A N L E A K S R				
UniRef90_I3KEF7	L P D A Y Q H L R V I L G K Y E E N I Q L S E N D Y F N I Y I D S L M K K S R				
UniRef90_UP100034333DE	L P R M V Q L L Q D V A H T W R T A G G G P E A W D F L V I Y Y L A N L E A K G R				
UniRef90_A9UYU0	L F D T R E H L H A L F E R N P L E A L R Q N A F V S I F L I K F L S H C				
UniRef90_W5K157	V S E T V I L L T E V W D P Y R G P A P A G D E A D F L K I H V R H L L D K T N				
UniRef90_E2RCK0	L P R T A Q L L R D V A H A R Q A A G G G G P A R D F L L I V Y H V R H L L E A K S R				
UniRef90_UP10003316B25	L P R L A Q L L R D V A H A R Q A A A E S P G G A A D F L C V F F L D N L L E A K G R				
UniRef90_UP10003F15079	L P R I E E L L R K V S Q A R R A A G G G G G P E D F L L V I Y Y L A N L E A K G K K				
UniRef90_UP1000444121D	L P R V R Q L L R E V A R A R D R G P G G P E A P R D F L L V I Y Y L A N L E A K A G				
UniRef90_T1ELS4	L P D M I Q H L K L I H A C N D D H T L Q A I E Y Y T V F M D N L L S K K L				
UniRef90_F2UL73	L F D T N D F F R R I F S L N T L D T L R D C P Y L N L A V R K Y L I H C R				
UniRef90_UP10000F2D1F5	L P Q M R G G L L R Q V A E A Q R G L H E P G G A S D F L A G Y L S N L A Q K G Q				
UniRef90_V8NBW1	L P L I Y Q H L K L I R E H Y G A G G L A E V W E S D F F R I F L L N L L E A K G K K				
UniRef90_T1FF19	L P D I Y L Q M K L I Q N H Y G K W H E L M E I D Y F V V F M I N L Y D K C				
UniRef90_UP100034FB9D9	L P A R D T S E H L K Q I Q A K G S W N D H G Q H E Y L Y I T V N S I L R K A				
UniRef90_E4WW32	L P D I H T I L H K I V T E H D R D F Q S L A D N D Y F Q V F M E N L M K K T K				
UniRef90_W5Q088	L P D I H T I L H K I V T E H D R D F Q S L A D N D Y F Q V F M E N L M K K T K				
UniRef90_UP10003C8C650	L P R I A Q L L R E V A Q A R R E P E G P G G A G D F L V I Y Y L A N L E A K S R				
UniRef90_B4HJ6	L P R I V Q L L R Q V A H A R R G P E G P G G A R D F L I V H L H N L E A K S R				
UniRef90_UP10003444755	L P A E I Y Q H L K L I L S K A E L E T L R Q I P Y T I T L Q N I F L K Y				
UniRef90_E9C5G4	L P D T Y Q R L L H I I S R S Q E E E L N S N E Y F R				
UniRef90_D3PFW5	L P R T A Q L L R E V A H A R R A A E S P G G A A D F L V L Y L A N L L E A K S R				
UniRef90_UP100046BB933	L P R T A E L L R E V A Q A Q R A A G G G G P E G D F L A V Y L A N L L E A K S R				
UniRef90_UP10003C8A326	L P M S E T S V L L I Q V W E P Y R G C M A A G S E A R Y L R I H I R N L L D K A N				
UniRef90_Q4T8G2	M S E T S V L L I Q V W E P Y R G C M A A G S E A R Y L R I H I R N L L D K A N				
UniRef90_UP100038EECCB	L P R T V G S P P G G A D F L V L Y L A N L L E A K S R				
UniRef90_UP10003840C4F	L P R T V G S P P G G A D F L V L Y L A N L L E A K S R				
UniRef90_UP10003BB7504	L P R T V G S P P G G A D F L V L Y L A N L L E A K S R				
UniRef90_UP100042C25E0	L P R T V G S P P G G A D F L V L Y L A N L L E A K S R				
UniRef90_G1PX47	L P R O T R O H L L I R G O P G A S S C L W E A G Y F P V				
UniRef90_M7AR02	L P R O T R O H L L I R G O P G A S S C L W E A G Y F P V				

lupas\_21  
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sol0  
jhmm  
incom

90 100 110 120

QUERY	T	I	S	F	K	E	G	K	R	M	Y	E	N	S	Q	P	R	R	N	L	T	K	L	S	L	I	F	S	H	M	L	A	E	L	K					
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UniRef90_UPI0002657C32	Q	A	I	K	L	F	K	E	G	K	E	K	M	F	D	E	E	N	S	H	Y	R	R	N	L	T	K	L	S	L	V	F	S	H	M	L	A	E	L	K
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UniRef90_G3Q9I3	Q	A	I	R	L	F	K	E	G	K	E	R	M	Y	E	E	Q	S	Q	D	R	R	N	L	T	K	L	S	L	I	F	S	H	M	L	A	E	I	K	
UniRef90_UPI0003F06D30	Q	A	T	K	L	F	K	D	G	K	E	K	M	F	E	E	S	S	Q	Y	R	R	S	L	T	K	L	S	L	I	F	S	H	M	L	S	E	L	K	
UniRef90_T1L458	E	T	I	R	L	F	K	E	G	K	D	A	M	F	D	E	T	G	P	C	R	R	N	L	T	K	Q	S	L	V	F	S	H	M	L	S	E	L	K	
UniRef90_S4RGP1	Q	A	V	N	L	F	K	E	G	K	E	R	M	H	D	E	H	S	H	C	R	R	N	L	T	K	L	S	L	I	F	S	H	M	L	T	E	L	K	
UniRef90_H2Z2P4	E	A	I	K	L	F	K	E	G	R	E	R	M	F	D	E	N	S	Q	H	R	R	N	L	T	K	L	S	L	V	F	S	H	M	L	A	E	L	K	
UniRef90_C3YOY7	Q	A	I	R	L	F	K	D	G	K	E	K	M	F	E	E	T	S	Q	Y	R	R	N	L	T	K	L	S	L	I	F	S	H	M	L	A	E	I	K	
UniRef90_Q4SPD1	Q	T	I	S	L	F	K	E	G	K	E	R	M	Y	E	E	Q	S	Q	P	R	R	H	L	T	K	L	S	L	I	F	S	H	M	L	A	E	L	K	
UniRef90_E5SBG4	S	T	V	H	L	F	K	V	Y	R	E	Q	M	D	E	Y	S	Q	P	R	R	H	L	T	K	L	S	L	I	F	S	H	M	L	A	E	L	K		
UniRef90_U1NJL7	Q	T	L	K	L	F	K	E	D	R	D	I	F	D	E	R	S	S	S	R	R	N	L	T	K	L	S	L	I	F	S	H	M	L	A	E	L	K		
UniRef90_H9FI8	R	A	I	R	L	F	K	E	G	K	E	R	M	Y	E	E	Q	S	Q	D	R	R	N	L	T	K	L	S	L	I	F	S	H	M	L	A	E	I	K	
UniRef90_C1C1B9	Q	A	N	K	L	F	K	D	G	R	D	K	M	F	D	E	S	S	H	Y	R	R	N	L	T	K	L	S	L	V	F	S	H	M	L	S	E	L	R	
UniRef90_H3AWW8	Q	T	T	R	L	F	K	E	G	K	E	R	M	Y	E	E	Q	S	Q	P	R	R	H	L	T	K	L	S	L	I	F	S	H	M	L	A	E	V	K	
UniRef90_UPI00046B8000	Q	T	I	S	L	F	K	E	G	K	E	R	M	Y	E	E	Q	S	Q	P	R	R	H	L	T	K	L	S	L	I	F	S	H	M	L	A	E	L	K	
UniRef90_T2MG42	L	V	I	K	L	F	R	D	S	R	D	K	I	F	D	E	R	D	N	S	R	R	K	L	T	K	L	S	L	I	F	S	H	M	L	A	D	L	K	
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UniRef90_F6PCP5	R	A	V	L	L	F	K	E	G	K	E	K	M	F	E	E	T	S	N	Y	R	R	N	L	T	K	L	S	L	I	F	S	H	M	L	N	E	L	R	
UniRef90_Q5C3K1	Q	T	I	N	L	F	K	N	S	K	E	K	I	F	D	I	D	S	D	A	R	F	R	L	V	K	L	S	L	V	Y	S	H	L	N	D	L	E	A	
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UniRef90_U6IN86	L	T	S	K	L	F	D	A	K	M	K	D	H	S	E	P	R	R	K	L	T	K	Y	S	L	V	L	S	H	I	L	K	D	L	E	A				
UniRef90_UPI0003500DA5	Q	V	A	A	F	L	P	A	R	N	E	E	L	F	R	E	G	S	M	L	R	R	Q	L	A	K	L	A	I	F	S	H	M	L	W	E	L	K	A	
UniRef90_W5M9V8	R	A	V	L	L	F	K	D	G	R	E	K	M	F	D	E	N	S	H	Y	R	R	N	L	T	K	L	S	L	I	F	S	H	M	L	S	E	L	R	
UniRef90_I1FXE6	Q	A	S	Q	L	F	K	E	A	K	E	K	I	Y	D	E	T	S	S	H	R	R	S	L	T	K	L	S	L	I	F	S	H	M	L	A	E	L	K	
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UniRef90_H2MER5	K	A	M	L	L	F	K	D	G	R	E	K	M	F	D	E	T	S	S	C	R	T	L	N	K	M	S	L	I	F	S	H	M	L	W	E	L	K		
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UniRef90_G3V8H4	Q	V	A	E	L	L	F	K	D	A	N	Q	D	V	F	P	E	G	S	R	F	R	Q	L	A	K	L	A	L	I	F	S	H	M	H	A	E	L	S	A
UniRef90_H2KVK0	Q	T	V	R	L	F	K	E	A	K	E	S	I	F	D	Q	S	T	P	R	S	Q	L	V	K	L	A	L	V	F	S	H	M	Q	R	D	L	E	A	
UniRef90_G3NG15	R	A	L	L	F	K	E	G	R	E	K	M	F	D	E	T	S	S	C	R	R	N	L	T	K	L	S	L	L	F	S	H	M	L	W	E	L	R		
UniRef90_UPI000388C095	Q	A	T	K	L	F	K	G	D	I	F	P	E	G	S	V	S	R	R	K	L	T	K	L	S	L	I	F	S	H	M	L	V	G	E	L	R			
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UniRef90_H3FMQ3	E	V	L	K	L	F	K	F	S	S	A	I	Y	N	D	E	H	E	R	R	K	L	T	K	L	S	L	V	F	S	H	M	L	S	E	L	R			
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UniRef90_V519K3	Q	A	I	K	L	F	K	E	G	K	E	R	M	Y	E	E	T	S	Q	D	R	T	I	L	T	K	M	S	L	I	F	S	H	M	L	A	E	L	K	
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UniRef90_I3KEF7	R	A	I	R	L	F	K	E	G	R	E	M	Y	E	E	Q	S	Q	D	R	T	I	L	T	K	M	S	L	I	F	S	H	M	H	A	E	L	K		
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UniRef90_A9UYU0	R	A	S	N	L	F	K	E	G	K	E	R	M	Y	E	E	Q	S	Q	D	R	T	I	L	T	K	M	S	L	I	F	S	H	M	L	A	D	F	K	
UniRef90_W5K157	R	A	I	L	L	F	K	E	G	K	E	R	M	Y	E	E	Q	S	Y	R																				

130

QUERY	I F P S G [ ] F Q G D
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UniRef90_G3Q9I3	I F P G G H F Q G D
UniRef90_UPI0003F06D30	I F P N G [ ] Y N G D
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UniRef90_H2Z2P4	E F P D G R F [ ] G E
UniRef90_C3Y0Y7	I F P N G T F S G D
UniRef90_Q4SPD1	I F P N G [ ] F Q G D
UniRef90_E5SBG4	E F P N G Q F [ ] G D
UniRef90_U1NJL7	E F P D G H F [ ] G E
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UniRef90_T1FD14	L F P S G V F A A G D
UniRef90_A0A016UJ48	E F P D G T F [ ] G D
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UniRef90_Q5C3K1	L F P Q N T F
UniRef90_L5KMF5	L F P G G K Y C G
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UniRef90_I1FXE6	L F P D G [ ] Y A G
UniRef90_B3RTT8	I F P S G Q Y N [ ] D
UniRef90_H2MER5	M F P G G H F Q G D
UniRef90_UPI00044381E0	M F P G G Y F Q G D
UniRef90_H2W705	L F P D G [ ] Y
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UniRef90_G3V8H4	L F P E G K Y C G
UniRef90_H2KVK0	L F P D N K F C
UniRef90_G3NG15	V F P G G G F Q G D
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UniRef90_A6QPZ5	L F P G G R Y C G
UniRef90_H3FMQ3	F F Q N G E F V A D
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UniRef90_UPI00042C8DB5	L F P G G K Y C G
UniRef90_UPI00045E27A3	L F P G G Q Y C G
UniRef90_M7BA18	I V P Y G K [ ] A A S
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UniRef90_A9UYU0	L T Q D A K [ ] D A D
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UniRef90_UPI0003F15079	L F P D G Q Y S G
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UniRef90_F2UL73	V Y K D G H [ ] D A D
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UniRef90_V8NBW1	V F P N G E D Q G S
UniRef90_T1FF19	
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UniRef90_E4WW32	F F T D G T F S G
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UniRef90_UPI0003444755	
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UniRef90_D3PFW5	
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lupas\_21

lupas\_14

lupas\_28

jnet

conf

sol25

sol5

sol0

jhmm

jpssm

1	5	7	7	6	1	1	5	8	9
B	B		B	B					

██████████	██████████	██████████
██████████	██████████	██████████