

1 10 20 30 40

QUERY	UniRef90_W5MJ78	UniRef90_V9KGW0	UniRef90_J3SEX5	UniRef90_T1J7U6	UniRef90_L7LZE6	UniRef90_T1K9E1	UniRef90_M3XA95	UniRef90_Q640J4	UniRef90_UP100022B699B	UniRef90_UP100045740A7	UniRef90_C3XTB7	UniRef90_Q07G59	UniRef90_UP100032B1DC5	UniRef90_UP100035A20C1	UniRef90_H2YIE5	UniRef90_S4RI79	UniRef90_UP1000273C010	UniRef90_UP10002657BC8	UniRef90_UP10003EA815	UniRef90_B3FNR3	UniRef90_G3NQ39	UniRef90_A7XA10	UniRef90_UP10003EB8B5	UniRef90_UP100038329E7	UniRef90_U3JKR4	UniRef90_M3ZMW4	UniRef90_K7GJ64	UniRef90_G3P4C6	UniRef90_K1PDL5	UniRef90_K1PDL5	UniRef90_F6R017	UniRef90_UP1000224799E	UniRef90_W5MHJ0	UniRef90_V8NQG5	UniRef90_H3AZZ2	UniRef90_W5UJA9	UniRef90_H3DHT7	UniRef90_F6QIQ6	UniRef90_W5MRQ0	UniRef90_UP1000392DC8B	UniRef90_G3NV16	UniRef90_UP10003F0AAF6	UniRef90_W5KNA1	UniRef90_H2L01	UniRef90_V4BYJ7	UniRef90_E7FB56	UniRef90_V9KE86	UniRef90_H2MRG6	UniRef90_UP1000443E282	UniRef90_A1YET2	UniRef90_H3CDZ3	UniRef90_R7V3M6	UniRef90_T1I5Q1	UniRef90_A0A023PGP0	UniRef90_E9GNG2	UniRef90_X1WCB1	UniRef90_UP10004574C47	UniRef90_F1Q763	UniRef90_M7AZQ8	UniRef90_G3PDC9	UniRef90_W5L6N3	UniRef90_H3DNW6	UniRef90_W5KBP4	UniRef90_H2NPV3	UniRef90_H3EVC1	UniRef90_F7BYY6	UniRef90_H3C6C2	UniRef90_UP1000443A1C	UniRef90_Q6TEP7	UniRef90_U6P3B3	UniRef90_H2ZXW2	UniRef90_Q9N5D0	UniRef90_S4RL18	UniRef90_UP10004549F72	UniRef90_H2YY18	UniRef90_F1L1Z5	UniRef90_G1KA33	UniRef90_R4WTE1	UniRef90_A7SQR2	UniRef90_I1G2H4	UniRef90_T2MD98	UniRef90_Q4SFX4	UniRef90_B4E3Y1	UniRef90_U6HNZ8	UniRef90_H3EKD9	UniRef90_W2T2T6	UniRef90_G4VT11	UniRef90_E9HHR2	UniRef90_I1G4S3	UniRef90_G7YBX4	UniRef90_B3S8P9
G R Q S K D E Q [Q] A S D N E [L] P V S A F Q [S] E M S L S E [L] Q V L K N E S [L] S	R L S R D E Q R A K A L [Q] I P F S V D K I I N L P V D F N E M M S K Q Q L T	H L G R D E R R A Q T L K I P F T N D K I I N L P V D F N E L L L S K H H L T	A H L T R D E L R A K A L Q I P F S V E K I I N L P M D E F N E R I S K F D L L T	S R D E K R A R A L K I P L N T E E I I N L P M D E F N E R I S K F D L L T	A R A S R D E K R A R A L N L P L S N A E I V D L P I D E F N E R L A K Y E L L T	T R D E K R A K A L N L P I P A D D I I N L P I D E F N E R L A K Y E L L T	S R D E R R A L A M K I P F P T D K I V N L P V D D F N E L L L A R Y P L T	A R F T R D E Q R A K V L N L P F T V E K I V N L P V D S F N E I I M S K Y Q F N	S R D E H R A R A M Q I P F T N D K I V N L P V E E F N E L L L A K K H P L L T	L S R D Q R R A F N L K I P F S T D E I N L P V D D F N D M L A Q H P L L T	R R S K D E R R A K Q L K V P F S V D R I S T P V D D F N D M L A Q H P L L T	L S R D E R R A K S L R I P F T V D E V S M P V E M F N N M L T K H C L L T	L S R D E R C A K A L R L P F P V D D V H M P I D S F N S M L R R S Y L L T	G P Q S R D Q R R A T E M K V P F T V D D I E W P V D T F N E M L T K H K L L T	R E S R D E K K A R A E L N I P F T L D E V M S P V E E Y N E M L V R T P L L T	G R L S R D E R K A Q S L K I P F S V A D I V N L P V D D F V G L L S R R H Q L L T	G A L S Q D E R H A K T L R L P F S V E E V S M P V D S F N S V L A K S F L L T	G P Q S R D Q R R A T E M K V P F T V D D I E W P V D T F N E M L T K H K L L T	R E S R D E K K A R A E L N I P F T L D E V M S P V E E Y N E M L V R T P L L T	G R L S R D E R K A Q S L K I P F S V A D I V N L P V D D F V G L L S R R H Q L L T	G A L S Q D E R H A K T L R L P F S V E E V S M P V D S F N S V L A K S F L L T	E L S R D E R R A R E L L K I P I P T E E V T L S I E E F N E R L T R Y E L L T	K L N R D E R R A R A L D L P L S V Q D I V N M P V E E F L E L L S G F Q L L T	S R D E K R A R S R K I P F S N E L I V N L P V E E F N D N D L L A N Y Q L L T	S R D E M R A R A L R I P F T A L Q I V N M P V D E F L E V L E A H G F S S	G Q D E R R A Q T L K I P F S N E L I V N L P V E E F N S L S N Y Q L L T	A K L T R D E Y R A K A L R L P F P V E K I I N L P V A D F S E M M S K E Q F N	A H L T R D E Q R A R A L Q I P F P V E K I I N L P V A D F S E M M S K E Q F N	S R D K E R A R A L R I P F S Y Q L I V N L P V E E F N H L L S S G Q L L T	L S P D E R R V R A L R I P F S V D E I C A P V E A F S N M L S K F Y L L T	A P L S R D E R R A M S L K I P F P M E K I V N L P V D D F N E L L T Q Y T L L T	G P H C R D K K R L E D L K V P L S M D Q V E S P V E E F N E I I L T H H K L L T	G P H C R D K K R L E D L K V P L S M D Q V E S P V E E F N E I I L T H H K L L T	S R D E R R A A A M N I P F P T E R I V N L P V E D F N E R L L S R Y T L L T	H L T R D E K R A R A L N V I A V N D I I N L P M D E F N E R L S R Y D L L T	E Y Q A K A L K I P F S V N D I V T L P V E S F N S M L S N Y Y L L T	L S C D E R R A A R L R I P H S V H E I V S M S I D S F N E L L F S N N D L L T	G E P S R D E R R L Q A L G I P F S A P E I V N M P V D E F L E L L E E R S L L T	A R L S R D E Q R A K A L K I P L S V S M I N L P V D D F K E L L L S K H H L L T	G R D D Q R A R S M K I P F S N D K I I N L P V E E F N E L L A K Y Q L L T	E R A R E V A L P F S V E E I A S L S R N D F Q Q M L K Y H K L L T	S S D E C H A E A L R I P F S D D E I V S M P M D S F K T L L A K N H L L T	L S R D E L R A R A M C I P F S V M Q I V N M P V E E F L E V L E G H G F S S	R D E K R A K G L K I P F T T D K I I N L P V D D F N E M L S S S S L L T	S R D G R R L Q A G L G I P Y S A P Q I V N M P V E E F L E L L E G R G L L T	E S S T R E R A R Q V Q L P F P V D R I I N L S R N D F Q Q M L K Q Y D F T	G P A P K D A K R A A E L K V P F T V D Q I T D S P V E E F N E M L T K Y K L L N	R G C C R D E Q R A Q A L S L P L S V H D I I H L P V E A F N E A I S T C K L L N	T R D E Q R A R L L R I P F S V E D I I N M P V D K F T E L L S M Y D L L N	S R S E E R V H S L K I P F S T E L M V N L P V D Q F N E M L S D C Q L L S	E R A L Q V Q L P F S V D Q I I N L P V D N R N D F Q Q M L L K Q Q V L L T	A H L T R D E L R A K A L H I P F P V E K I I N L P V V D F N E M M S K E Q F N	R E E F R E A H V K L P F P V D Q I T N L P R N D F Q M L L K M H K L L T	A E Y T R D R K K I K A M K L P F S L E D I V E S P V E H N E M L I K Y R L L T	H L T R D E R R A R S L N I P I A V E D I I N L P M D E F N E R L S K Y D L L S	E R V R E M A L P L S V D Q I I N L P V M G E F N E R L S K S D L L T	E R T Q E V K L P F S V D Q I T E L P R N D F Q Q M L K M H K L L S	C E V K L P F P V E K I T T L L P T R N D F Q Q M L K M H H L L S	E Q P Q E E V D L P F L V E Q I S S M T R R A F L Q M L K R E Q L L T	S R D E R R A L A M K I I P F P T E K I V N L P V D D F N E L V S K Y Q L L T	K R A A E I Q L P F P V E Q I S A V S R S A F Q Q L R H H H L T	E Q V C E V K L P F P V E Q I S P G M S R A F L Q M L K E Q R L L T	G H R S R D E E R A R T L L L P L S V D D I I T M S V D A F N E A I S T Y E L L T	C E T K L P F N A Q K I I S L S R Y D F Q Q L L K H N H L T	E S Y T R E R A K E V Q L P F P V H W V I V D L S R N E F Q Q L L K Q Q V F T	S R D E K R A R L M N I P F S A E E I A S M P A E A F Q G V L A G G R L L S	G R Q S K D E Q L A A A N G L P I S A A E I A D M S L P D L Q K L L K A D S L L T	G R Q S K D E Q L A A A N R L P L S A R E I I S E M T L G E L H K V L K N E D L L T	G R Q S I D E Q L A S D N G L P V S A F Q I S E M S L S E V K Q V L K D E S L L T	R K L S D V V L P F S I N E I T K L P R T Q L Q E L L N R N P L L T	G R R S R D E E L R A Q Y A L P A S A A Q I S S M P L I E L N R L M H T A Q L L S	C E I K L P M N P Q K I S L S R N D F Q S F L K M H K L L S	A D S L D I G V S E E K I V E M S V A E F T T F L E K I L S K Y D L L S	I S K L E I I I D M P Y F E F K K L L D G G T F S	P Y T S E E L V T M P V D T F N E V I K L D L T	V Q L P F P V H W V V D L S R N E F Q Q L L K Q Q V F T	R D I N I L K R L A V P F S Y E E I V A Y S S N E R F R E I K S K P G L T	E S R D D Q L A A T Y A L P V S A K E I I E T L T E A S M A E L M R S G E L L S	G R Q S K D E Q L A A A N R L P L S A R E I I S E M T L G E L H K V L K N E D L L T	R Y I R D I D V L E V A G V P F S Y E D V V Y S T N E E F R H R A T R G L L T	S S H N R R G G A S K P I T R D K L V I M P G E F N E R L S K Y D L L T	R D I A A L E H A H V P F S Y E E I V G A S S N E K F R E M K S T P Y L L T	L V L P V P E R E I V D M P V N E F L A M I E R L P								

QUERY

UniRef90_W5MJ78
UniRef90_V9KGW0
UniRef90_J3SEX5
UniRef90_T1J7U6
UniRef90_L7LZE6
UniRef90_T1K9E1
UniRef90_M3XA95
UniRef90_Q640J4
UniRef90_UP100022B699B
UniRef90_UP100045740A7
UniRef90_C3XTB7
UniRef90_Q07G59
UniRef90_UP100032B1DC5
UniRef90_UP100035A20C1
UniRef90_H2YIE5
UniRef90_S4RI79
UniRef90_UP1000273C010
UniRef90_UP10002657BC8
UniRef90_UP10003EA815
UniRef90_B3FNR3
UniRef90_G3NQ39
UniRef90_A7XA10
UniRef90_UP10003EB8B5
UniRef90_UP100038329E7
UniRef90_U3JKR4
UniRef90_M3ZMW4
UniRef90_K7GJ64
UniRef90_G3P4C6
UniRef90_K1PDL5
UniRef90_F6R017
UniRef90_UP1000224799E
UniRef90_W5MHJ0
UniRef90_V8NQG5
UniRef90_H3AZZ2
UniRef90_W5UJA9
UniRef90_H3DHT7
UniRef90_F6QI6
UniRef90_W5MRQ0
UniRef90_UP1000392DC8B
UniRef90_G3NV16
UniRef90_UP10003F0AAF6
UniRef90_W5KNA1
UniRef90_H2LJ01
UniRef90_V4BYJ7
UniRef90_E7FB56
UniRef90_V9KE86
UniRef90_H2MRG6
UniRef90_UP1000443E282
UniRef90_A1YET2
UniRef90_H3CDZ3
UniRef90_R7V3M6
UniRef90_T1I5Q1
UniRef90_A0A023PGP0
UniRef90_E9GNG2
UniRef90_X1WC81
UniRef90_UP10004574C47
UniRef90_F1Q763
UniRef90_M7AZQ8
UniRef90_G3PDC9
UniRef90_W5L6N3
UniRef90_H3DNW6
UniRef90_W5KBP4
UniRef90_H2NPV3
UniRef90_H3EVC1
UniRef90_F7BYY6
UniRef90_H3C6C2
UniRef90_UP10004433A1C
UniRef90_Q6TEP7
UniRef90_U6P3B3
UniRef90_H2ZXW2
UniRef90_Q9N5D0
UniRef90_S4RL18
UniRef90_UP10004549F72
UniRef90_H2YY18
UniRef90_F1L1Z5
UniRef90_G1KA33
UniRef90_R4WTE1
UniRef90_A7SQR2
UniRef90_I1G2H4
UniRef90_T2MD98
UniRef90_Q4SFX4
UniRef90_B4E3Y1
UniRef90_U6HNZ8
UniRef90_H3EKD9
UniRef90_W2T2T6
UniRef90_G4VT11
UniRef90_E9HHR2
UniRef90_I1G4S3
UniRef90_G7YBX4
UniRef90_B3S8P9

	50	60	70	
E Y Q R Q	L I R K I R R R G K N K	V A A R T C R Q R R T D R H D K M		
E A Q L A L I	R D I R R R G K N K	V A A Q N C R K R K L M E N		
E A Q L T L I	R D I R R R G K N K	V A A Q N C R K R K L D T I V H L		
E A Q L A L I	R D I R R R G K N K	V A A Q N C R K R K L E N		
E A Q L A L I	R D I R R R G K N K	V A A Q N C R K R K L D Q I L T L		
E A Q L S L I	R D I R R R G K N K	V A A Q N C R K R K L D Q		
E S Q L A L V	R D I R R R G K N K	V A A Q N C R K R K L M D Q I L D L		
E A Q L A L I	R D I R R R G K N K	V A A Q N C R K R K L E T I V Q L		
E A Q L S L V	R D I R R R G K N K	V A A Q N C R K R K L M E N		
E P Q L A L I	R D I R R R G K N K	V A A Q N C R K R K L D T		
D A Q L Q L I	R D I R R R G K N K	V A A Q N C R K R K L I D T I Y T L		
E S Q V T V I	R D I R R R G K N K	V A A Q N C R K R K L D V I L N L		
D L Q V S F I	R D I R R R G K N K	V A A Q N C R K R K L D I I C N L		
E A Q L N L I	R D I R R R G K N K	V A A Q N C R K R K V G I V V T L		
A A Q Q A L I	K D I R R R G K N K	V A A Q N C R K R K I D T I S T M		
D S Q L A L V	R D I R R R G K N K	V A A Q N C R K R K M E		
D T Q V S L L	R D I R R R G K N K	V A A Q N C R K R K L D V I L S L		
E D Q H A L I	R D I R R R G K N K	V A A Q N C R K R K L D Q		
D A Q V V A L I	R D I R R R G K N K	V A A Q N C R R R K K L D		
D P Q M Q L V	R D I R R R G K N K	V A A Q N C R K R K I D A I Q I V		
E E Q L T L V	R D I R R R G K N K	V A A Q N C R K R K L N V L Y D L		
G E Q V T T L L	R D I R R R G K N K	V A A Q N C R K R K L D		
E E Q L T L I K D I	R R R G K N K	V A A Q N C R K R K Q D		
D T Q V S L L	R D I R R R G K N K	V A A Q N S R R K K I N A I L N L		
E A Q L T L I	R D I R R R G K N K	V A A Q N C C		
Q Q Q L T L I	R D I R R R G K N K	V A A Q N C R K R K L D		
D T Q I S L M R D I	R R R G K N K	V A A Q N C R K R K L D V I L N L		
D H Q L A L V	R D I R R R G K N K	V A A Q N C C		
E S Q L Q L I	R D I R R R G K N K	V A A Q N C R K R K M D		
E S Q L Q L I	R D I R R R G K N K	V A A Q N C R K R K M D		
D T Q L A L V	R D I R R R G K N K	V A A Q N C C		
E P Q L S L I	R D I R R R G K N K	V A A Q N C C		
D A Q L A L V	R D I R R R G K N K	V A A Q N C R K R K L E N		
D N Q R S L I	R D I R R R G K N K	V A A Q N C R K R K L D		
E A Q I S L L I	R D I R H R G K N K	V A A Q N C R K R K L D		
T S A V T L L	R D I R R R G K N K	V A A Q N C C R K R K M H A I L G L		
D A Q M A L L V	Q D I R R R G K N K	V A A Q N C C		
E S Q L C L I	R D I R R R G K N K	V A A Q N C C		
R E Q L D F V	H D V R R R S K N R I	V A A Q R C R K R K L D		
D T Q V L L L	R D I R R R G K N K	V A V Q R C R K R K L N A I L S L		
T D Q V T L L	R D I R R R G K N K	V A A Q N C C		
E A Q L T L I	R D I R R R G K N K	V A A Q H C R K R K L E		
T A E I T L L	R D I R R R G K N K	V A A Q N C R K R K L D		
K E Q L D F V	H D M R R R S K N R L	V A A Q R C R K R K L D C I Y N L		
A A Q L Q L I	R D I R R R G K N K	V A A Q N C R K R K M D		
H A Q H T L I	R D I R R R G K N K	V A A Q S C R K R K M D		
D A Q M A L L V	R D I R R R G K N K	V A A Q N C C		
E E Q L T L V	K N I R R R G K N K	V A A Q N C R K R K H D		
Q E Q L E F V	H D I R R R S K N R L	V A A Q R C R K R K L D C I Y N L		
E A Q L A L I	R D I R R R G K N K	V		
S E Q L E F I	H D V R R R S K N R I	V A A Q R C R K R K L D C I L N L		
E G Q L Q L M K D I	R R R G K N K	V A A Q N C R K R K M E		
E N Q L T I K N V K I I A I N	R R R S K N R I	V A A Q N C R K R K L D Q I L S L		
R E Q L L D A V	H D I R R R S K N R I	V A A R R C R K R K L D		
E P Q L S L I	R D I L L R G K N K	V A A Q N F R K R K K L D Q I L T L		
S D Q L L D F I	H D M R R R S K N R I	V A A Q R C R K R K L D		
P E Q L D D Y I	H D I R R R S K N R I	V A A Q R C R K R K L D		
P E Q L E Y V	Q D V R R R S K N R V	V A A Q R C R K R K L D C I Y R L		
E P Q L V L I	R D I R R R G K N K Q			
P D Q L E F V	H H V R R R S K N R A	V A A A Q R C R K R K L D		
P E Q L E F V	Q D V R R R S K N R M A	V A A A Q R C R K R K L D		
Q D Q L E F V	H D V R R R S K N R V A A Q R C R K R K L E			
E G Q L S L M R D I	R R R G K N K M A A Q S C			
D L Q V S L I	R D I R R R G K N K V A A Q N Y R K R K L D I I L N L			
E P Q R Q L I	R R R G K N K V A A R T C R Q R R R			
A E Q L D C I	H D I R R R S K N R I A A A Q R C R K R K L D			
R E Q L E F V	H D V R R R S K N R L A A R C R K R K L D			
A P Q V A L L	R D I R R R G K N K V A A Q N C R R R R K L D L L L G L			
E A Q S H A N Q N F A V I E A K T S M A A Q N C C R R R R K L D V L V E L				
E H Q K Q L I	R K I R R R G K N K V A A R T C R E R R G E R Q R S			
E Y Q I Q L I	R K I R R R G K N K K A A A R T C R E R R G E R Q R S			
P E Q L D F I	H D M R R R S K N R L A A Q R C R K R K L D C I H N L			
E S Q L A L V	R D I R R R G K N K V A A Q N C C			
A Q Q L T A I	H E I R R R G K N R I A A A Q R C R K R K M D			
P E Q L D Y I	H D I R R R S K N R I A A A Q R C R Q R K N D K			
P E E L D O I	H D I R R R S K N R I A A A Q R C R K R K N D K			
E T Q L S L I	R D I R R R G K N K V A A Q N C R K R K L D Q I L S L			
D A Q A K Y V	R D V R R R G K N K E A A R C R K R K M D A I E T L			
E R D K E E V	K A I R R K R G K N K N A A K N C C R Y R K L E H L S G L			
E I R K H I A K D V R R K G K N K F A A R G C R K R K N D L I K C L				
R E Q L E F V	H D V R R R S K N R L A A R			
E P Q L A L I	R D I R R R G K N K V A A Q N C R K R K L D Q I L V L			
F D Q I T A M L D A R R A T N R Q A A E R C R R R V K				
E M Q R S I I R Q I R K R A R S K I S S R E Y R K R K E A R R L E L				
E Y Q K Q L I	R R R G K N K R R R			
E E Q L T A M S D A R R A T N R Q A A E R C R R S K				
E P Q L S L I	R D I R R R G K N K			
E I E V A F M K E W R R G K N K M A A Q				
P H Q M D V L L T A R K R A T N R Q A A E R C R R L K L A T				
S D V A A L A R D V R R R G K N K F A A R N C				

This figure displays a multiple sequence alignment of UniRef90 entries, focusing on a specific set of 40 positions. The sequences are arranged vertically, with UniRef90_E9C7C2 at the top and UniRef90_AZSHW5 at the bottom. A color key to the right of the alignment indicates the degree of conservation at each position, ranging from black (most conserved) to white (least conserved). The alignment shows significant conservation across the entire set of 40 positions for most entries, with some variations occurring in the later positions.

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
ipssm

	50	60	70
UniRef90_E9C7C2	A Q E I S D L K M Q R R R V K N R E A A Q V C R K K K		
UniRef90_E9CGD4	L D Y I R D L K D L R R K M K N R N A A A R C R Q R K		
UniRef90_H2MFT9	K D E V M R L K Q K R R T L K N R G Y A Q S C R K R V Q Q K H		
UniRef90_H2RQD9	S E Q L E F I N S Q R A A I W E V R R K S K N R A A A R C R K R K I E		
UniRef90_E4XCF5	K D D V M R L K Q K R R T L K N R G Y A Q S C R K R V Q L K H		
UniRef90_B5X1M5	K D E V I R L K Q K R R T L K N R G Y A Q S C R Y K R V Q Q		
UniRef90_S7N1J1	K E E V I R L K Q K R R T L K N R G Y A Q S C R K R V Q Q R H		
UniRef90_Q98UK4	K D E V V R L K Q K R R T L K N R G Y A Q S C R Y K R L Q H		
UniRef90_W5KU58	K E E V V R L K Q K R R T L K N R G Y A Q S C R Y K R L Q H		
UniRef90_F7EUR9	K E E A L R L K Q R R R T L K N R G Y A Q S C R K R V Q Q R H		
UniRef90_T1KWU5	R E D I Q R L K Q K R R T L K N R G Y A Q N C R T K R L		
UniRef90_H2YMW2	K E D V L A L K Q R R R T L K N R G Y A Q S C R K R V M Q R H		
UniRef90_C3ZVC4	K E E V I R L K Q K R R T L K N R G Y A Q S C R S K R V Q Q		
UniRef90_K1R483	K E E V Q K L K Q K R R T L K N R G Y A Q N C R S K R M Q Q		
UniRef90_E4WZ57	K E Q M I N I K Q R R R T L K N R G Y A A N C R K R Q T Q T H Q D		
UniRef90_H0W8D0			
UniRef90_H9GMY8	K D E V Q R L K Q K R R T L K N R G Y A Q S C R K R V Q Q R H		
UniRef90_UP10003598879	E V I Q R L K Q K R R T L K N R G Y A Q N C R K R M L Q		
UniRef90_Q504L8	K D D V I R L K Q K R R T L K N R G Y A Q S C R F K R V Q Q		
UniRef90_R7T5U2	K D Q V K I L K Q R R R T L K N R G Y A Q N C R T R R R L		
UniRef90_B0WGB9	R D Q V V R L K Q K R R T L K N R G Y A Q N C R K R L Q Q R H D		
UniRef90_B7PG63	C E Q A R L V K H L R R T L K N R G Y A A V C R T R R V A Q		
UniRef90_W4ZCK1	K D D V V R L K Q K R R T L K N R G Y A Q S C R T K R L K Q R L D L		
UniRef90_W4WX99	R E E V V R L K Q K R R T L K N R G Y A Q N C R S K R I Q Q		
UniRef90_UP10002060AF1	K E E I A R L K Q K R R T L K N R G Y A Q S C R T K R M N Q R I E L		
UniRef90_B3DGW9	K D D I I R L K Q K R R T L K N R G Y A Q S C R K R V Q Q K H L		
UniRef90_G6DPM1	E D D L A F L K G L R R R I K N R L A S Q N S R R S V E H L R R L		
UniRef90_B4N165	R E E V V R L K Q K R R T L K N R G Y A Q N C R S K R L H Q		
UniRef90_S4PZV2	R D Q I I K M K Q R R R T L K N R G Y A A S C R K R I E Q K D E L		
UniRef90_B7PPV9	R S E E I V K M K Q R R R T L K N R G Y A A S C R N K R L E Q K D D L		
UniRef90_UP10002246E6F	R E E I V R L K Q K R R T L K N R G Y A Q N C R S K R M Q Q		
UniRef90_T1KZ55	K Q E I I L R M K Q R R R T L K N R G Y A A S C R N K R L E		
UniRef90_UP100026580AF	R A E I M K M K Q R R R T L K N R G Y A A S C R T K R I E Q K D E L		
UniRef90_Q6JQ21	K D E K T K L K Q R R R L K N R G Y A Q T C R S R R I E Q K D E L		
UniRef90_P54845	R D E A L R L K Q R R R T L K N R G Y A Q A C C R S K R L Q Q		
UniRef90_M7BFL3	K E E V A R L K Q R R R T L K N R G Y A A S C R K R		
UniRef90_H3AEG2	K E E V V R L K Q R R R T L K N R G Y A A S C R K R		
UniRef90_G6DPW9	R D D V T R L K Q K R R T L K N R G Y A Q N C R S K R L Q Q		
UniRef90_UP100034FB14D	E D D L A F L K G L R R R I K N R V S		
UniRef90_U6I4J6	F E Q I S A M L D		
UniRef90_UP1000359A3CF	R D E V T K L K Q R R R T L K N R G Y A A N C		
UniRef90_V4A244	R D Q V V K L K Q R R R T L K N R G Y A A N C R E K R L S Q		
UniRef90_D2XNH3	K E E V N Q L K Q K R R T L K N R G Y A Q S C R K R V Y Q R		
UniRef90_Q800B3	M E D Q E R I K A E R K R L R N R A A S C R R R K L E R I S R L		
UniRef90_UP10003BB7CD0	R D E A L R L K Q R R R T L K N R G Y A Q A C C R S K R L A R L		
UniRef90_UP1000383B5A3	R E E V V R L K Q R R R T L K N R G Y A A S C R K R V T Q		
UniRef90_A9VCK6	E D Q I A D L R M A R R R H K N R		
UniRef90_E0X6I8	K E E V V L R L K Q K R R T L K N R G Y A Q S		
UniRef90_A9V799	E E Q Q R I I Q I K Q L R R R Q N S F Y A R R N R R R Q L		
UniRef90_R7TLW9	R D E I A K L K Q R R R T L K N R G Y A A S C R E K R L T Q		
UniRef90_UP10004545971	K E E V A R L K Q R R R T L K N R G Y A A S C R K R		
UniRef90_S9WJU5	E R K V D F L R F L Q M K Q V		
UniRef90_R4WQL8	R E D I V K M K Q R R R T L K N R G Y A A S C R K R I E Q K D E L		
UniRef90_A0A016U701	R Q V V T M L K Q K R R T L K N R G Y A L N C R V R R I Q N Q L Q L		
UniRef90_E9HKF3	R E E V V R L K Q K R R T L K N R G Y A Q N C R K R M Q Q R H E		
UniRef90_UP1000393F4DF	R E E I Q K L K Q R R R T L K N R G Y A A S C R K R		
UniRef90_F7AE74	K E E V V R L K Q R R R T L K N R G Y A A S C R K R		
UniRef90_A7SHW5	T E E Q S R I K Y R R R T L K N R G Y A H N C R K R I S Q		

lupas_21
lupas_14
lupas_28

