

QUERY	1	10	20	30	40
UniRef90_K1VQV2	D T I K W V T L K H N G V I F P P P Y Q P	L P S H I K L Y Y D G K P V D L P P Q			
UniRef90_W0T520	N S V K W T T F Q H N G V L F P P P Y V P	L P K N V K M K Y D G K P V T L P P Q			
UniRef90_V4BLU2	D S I K W T T L R H N G V I F P P E Y Q P	L P S H I K L Y Y D G K P V D L P P Q			
UniRef90_R9XCK8	D S V K W V T L R H N G V M F P P E Y T P	L P S H I V R L Y Y A G K A V E L P P E			
UniRef90_F1KRD1	D G V K W N S L S H K G P V F A P D Y V P	L P D D V V F K Y D G N V I K L S P E			
UniRef90_Q4SR65	D G V K W K F L E H K G P V F A P P Y E P	L P S H I R F Y Y D G K P M V L S A D			
UniRef90_M5GFM6	S Q K W S T L E H N G V L F P P P Y Q P	L P S H I V K M L Y D G K V V E L P H E			
UniRef90_T1G5Y2	G V K W K T L E H K G P L F A P L Y E R	L P T S V H F Y Y D G R H V V L S D G			
UniRef90_M3ZT25	D G V K W K S L E H N G P Y F P P E Y Q P	L P D D V N F Y N G K K M K L S L A			
UniRef90_G7E2E9	I I K W E T L E H N G I L F P P E Y E P	V P H G V K M L Y D G Q P V D L P P E			
UniRef90_Q6FNH4	D T I K W V S L K H N G V L F P P E Y E P	L P S H I V K L Y Y D G K P V D L P P A			
UniRef90_J7S6F4	D S I K W T T L K H N G V M F P P D Y Q P	L P S H I V K L Y Y D R K P V D L P L P			
UniRef90_T110G8	D G V K W N Y L E H K G P V F A P P Y E P	L P K D V V K L L Y D G K E I H L S P E			
UniRef90_Q6FVE9	D T I K W T T L E H N G V L F P P P Y E A	L P S H I V K L Y Y E G N P V D L P L E			
UniRef90_UP10003AEB995	G V R W T Q L E H R G P C F A P P Y E P	L P D G V R F Y Y D G K P M K L S L A			
UniRef90_W5MPB0	D G T K W Q F L E H K G P L F A S E Y E P	L P E N V F K Y Y S G K P V K L L S L T			
UniRef90_UP1000359FFCA	V K W R Q L E H R G P Y F T P A Y E P	L P D S V H F F Y D G K P V K L L S L A			
UniRef90_S2IYR1	D S V K W T T L Q H N G V M F P P E Y	V P H G I K M K Y D G Q P I T L L S P E			
UniRef90_C0SEQ3	T I K W T T L E H N G V I F P P P Y E P	L P K H V K M K Y D G V P I T L A P E			
UniRef90_R7UGR3	E G C K W R Y L Q H M G P Y F A P P Y E P	L P D D H V R F Y Y D G K P V K L L S P E			
UniRef90_UP10003ACBF5B	D G V K W K Q L E H K G P Y F A P S Y E P	L P D G V H F F Y D G K P V K L L S L A			
UniRef90_UP10003ABB2F5	D R V K W R Q L E H K G P Y F A P P Y E P	L P D G V C F F Y D G K P M R L S V K			
UniRef90_E0VRA1	D G K K W K F L E H K G P L F A P L Y E R	L P K S V K F F Y D G K E I S L S E E			
UniRef90_P07799	D T Q K W T T L E H N G V I F A P P Y E P	L P K N V K L L Y D G N P V N L P P E			
UniRef90_K0KLD2	D T I K W D T L E H N G V M F P P E Y E P	L P S H V K L Y Y D G K P V D L P L A Q			
UniRef90_L7N3P9	D G I K W K F L E H E G P V F A P P Y E P	L P D S V K F Y Y D G K P L P L S L Q			
UniRef90_UP1000455D9DB	K W Q T L E H N G V I F P P P Y E S	L P D N V K F Y Y D G K L V T L S S A			
UniRef90_UP10003EAE2F6	D G I K W K F L E H R G P W F F A P E Y Q R	L P S H V K L Y Y D G K P V N L P L Q			
UniRef90_G3ATV1	K W E S L E H N G V M F P P E Y E P	L P S H V K L Y Y D G K P V D L P L Q			
UniRef90_K5XCG1	S M K W T K L E H N G V I F P P P Y E P	L P S H V K L Y Y N G K P V D L P P E			
UniRef90_S4RKW4	D G V R W K F L E H Q G P V F A P P Y E P	L P D D H V F Y Y N G K P M R L S E K			
UniRef90_A0A024JLF6	T V R W T T L E H H G V L F P P E Y E P	L P K S V N L Y Y D G K A V V L P K A			
UniRef90_T2MH26	D G I K W K T L S H E H G P Y F P P E Y E P	M P K N V K F Y Y D G K P M Q L S L E			
UniRef90_Q0UUBo	S K K W D T L E H N G V V F P P E Y V P	L P K N V K L L Y D G I P V T L Q P E			
UniRef90_UP100044075D0	S I K W N T L E H N G V Y F P P P Y E P	L P S D V K M K Y D G K P V N L P P D			
UniRef90_V9KMZ1	D G V K W R F L E H K G P L F A P E Y E P	L T D N V R F Y Y N G Q P M K L S A N D			
UniRef90_R7YJY6	T K K W T T L Q H S G V V F P P P Y E P	L P K H V K M R Y N G V P V S L H P D			
UniRef90_B7Q9Y0	D G K K W R T L E H K G P V F A P P Y E P	L P D N V R F Y Y D N K V V K L L S P A			
UniRef90_G3PKT3	D G V K W K F L E H N G P Y F P P D Y Q P	L P D N V H F F Y D G M E V K L L S P A			
UniRef90_UP10004416C1C	S I K W K T L E H N G V L F P P P Y E P	P T H V K M K Y N G E P V N L P P			
UniRef90_W4ZE35	E G V K W M F L E H T G P L F A P P Y E P	L P S S V K F F Y D G E E M K L L S E E			
UniRef90_Q6BLX2	K W E S L E H N G V I F P P D Y E P	L P S H V K L Y Y D G K P V D L P L			
UniRef90_E3KJL6	D T K K W S T L Q H N G V L F P P E Y E P	L P G K V H K M K Y N G K S V D L P P E			
UniRef90_S7MGF5	E G I K W K F L E H K G P V F A P P Y E E	L P E S V R F Y Y D G K V M K L L S P K			
UniRef90_C4XZS7	R W Q T L E H N G V I F P P Y K P	L P S Y V K L Y Y D S K P V N L P L A			
UniRef90_K2SIS5	D T I K W H T L E H N G V V F P P E Y E P	L P G N V K M K Y D G V P V T L H K D			
UniRef90_V2XTI4	S V K W T T L E H N G V I F P P P Y E P	L P S N V K M K Y D G K V L D L P P E			
UniRef90_A9V5T5	D G Q K W R T L T H R G P L F P P A Y E P	L P K G V H L L Y D G K P Y L L K P E			
UniRef90_ESSSUA5	D S V K W K F L E H K G P V F A P P Y E P	L P S S V N F Y Y D G K P M K L L S E G			
UniRef90_G0VE00	D S I K W T T L K H N G V V I P P V Y E P	L P S H I K L Y Y D G K P V D L P P E			
UniRef90_G8BYC4	S V Q W T T F R H N G V I F P P V Y V P	L P S H I K L Y Y D G N P V D L P P A			
UniRef90_B2DDA7	E G K K W N T L V H N G V I F P P P Y K P	H G V K M L Y K G K P V D L T P E			
UniRef90_A3LUX2	D G V K W E T L E H N G V L F P P E Y E P	L P S H V K L Y Y D G K P V K L L S L E			
UniRef90_D5GIC5	T Q K W T T L M H N G V L F P P A Y E S	L P K H V K M K Y G G V E V T L P L			
UniRef90_T1J4Y8	N G I K W K T L H K G P V F A P D Y E P	V P P D S V Q F S Y D G K V M K L L Q P K			
UniRef90_C4R3Z3	D E I K W H S L K H N G V L F P P E H V P	L P S H V K L Y Y D K K P V D L P Q			
UniRef90_U1G8C0	T K K W D T L Q H Q G V I F P P P Y E P	L P K N V K M L Y D G K P I S M H P D			
UniRef90_G4MR71	D S I K W N T L E H N G V L F P P D Y E P	L P K N V K L Y Y N G I P L Q L H P E			
UniRef90_P41512	D G I K W K F L E H K G P V F A P P Y E P	V P P D N V K F Y Y D G N L V K L L S P K			
UniRef90_G3J934	D S I K W Q T L E H N G V L F A P A Y E P	L P K H I K L K Y D G Q D V T L P L			
UniRef90_I4Y6D9	T Q R W T T L E H N G V F F P P E Y V P	L P K E V R M K Y D G K N V E E L S L E			
UniRef90_U6HQ28	K W R F L E H N G P M F A P P Y V P	L P E N V S F F Y D G Q R I K L S E A			
UniRef90_U4LS70	N T I K W T T L E H H G V L F P P P Y E P	L P K N V K M K Y N G V E V T L P L			
UniRef90_H1UW96	D S V K W T T L E H N G V M F P P E Y Q P	L P K N V K L L Y D G K P V N L P Q E			
UniRef90_G3B1F3	I K W D S L V H N G V L F P P E Y E P	L P S H I K L Y Y N G T P V N L P Q E			
UniRef90_A7TJW1	I Q W T T L R H N G V M F P P P Y V S	L P S H I K L Y Y N G Q A V D L P P			
UniRef90_UP1000441397B	T Q K W K T L D H N G V L F P P P Y Q P	L P A D V K M L Y D G K P V D L P P E			
UniRef90_W5LQR5	D G Q K W S T L E H N G P L F P P E Y E P	L P S N V P F L Y D G E P V K L L S L A			
UniRef90_H2KN19	N G V K W T F L E H K G P I F A P P Y E R	L P D N V R F Y Y D G Q P V R L L S D A			
UniRef90_R4XH22	N S V K W T T L E H N G V V F P D P Y K R	L P K D V R M K Y D G R P L D L T S E			
UniRef90_UP100026575F8	E G V K W N T L E H K G P V F A P D Y E A	L P A N V P F L Y N G K K M K L L S L E			
UniRef90_S7QCY2	K W Q T L E H N G V F F P P E Y V P	L P S H I K M K Y N G Q D V D L P P E			
UniRef90_T1PEJ1	D G V K W N T L E H K G P V F A P P Y E R	L P K N V R F Y Y D G R P L E L S E E			
UniRef90_F7CC85	D G M K W K F L E H R G P Y F A P P Y E P	L P D D V S F Y Y D G K P V K L L S P G			
UniRef90_F4P4H2	N T V K W T T L S H N G P Y F P P L Y T P	H G I K M L Y N N V P I S L S P A			
UniRef90_B6JYV3	D G K K W N T L E H N G V M F P P E Y E P	L P S H I K M L Y N G K P I D L P P A			
UniRef90_M7XKA4	K W K T T L E H H G V L F P P E Y T P	L P K H V K M N Y D G K P V E E L A P E			
UniRef90_F4RJG2	D T K K W D T L Q H N G V L F P P E Y V P	L P K H V K M K Y E G K S V D L P P E			
UniRef90_K5UX68	K W Q T T L E H N G V Y F P P P Y E P	L P A N I K M K Y N G K P V N L S S V			
UniRef90_A8N6Y9	T Q K W E T L E H N G V Y F P P P Y E A	L P K H V K M K Y N G K D V D L S L E			
UniRef90_R8BF31	D S I K W T T L E H S G V V F P P A Y V P	L P K N V R L I Y D G T P V V V L H P E			
UniRef90_FOXHG3	D S I K W T T L E H N G V F P P P N Q S	L P K H V R L I Y D G A P V E F L H P E			
UniRef90_S8G2S4	S V K W Q T T L E H N G V Y F P P P Y Q S	L P S H I V K M K Y K G K P V D L P P E			
UniRef90_H3EHN8	G V K W N S L S H M G P L F A P P Y E R	L P K H V H F K Y N G Q N V H L S E N			
UniRef90_S9V9Y4	R W D T L V H N G V M F P P D Y	V P H G I P L I Y K G E V F K M T P			
UniRef90_V5IQ16	D S I K W T T L E H N G V I F P P D Y Q R	L P K D V K L L Y D G T P V E L D I E			
UniRef90_G0SCM2	D G I K W Q T T L E H N G V L F P P P Y E P	L P S H I V K L L Y D G K P V N L H V E			
UniRef90_W3XLX2	N S V K W T T L E H N G V I F P P P A Y E	L P K N V R L I Y D G T P V M L Q P E			
UniRef90_D8QC57	T K K W D S L S H A G V L F P P P A Y T P	L P K D V K M Y D G K P V N L S V E			
UniRef90_G4TKD6	I K W D S L V H N G V I F P P P Y E P	L P S N V K L I Y D G K P V T L P			
UniRef90_W6MJD9	D G I K W Q T T L E H N G V M F P P A Y E	L P K N V R L I Y D G T P V M L Q P E			

QUERY	50	60	70	80
UniRef90_K1VQV2	A E E V A G F F A A L L	E S D H A K N P V	F Q K N F F N D F L Q V L K E S G G P	
UniRef90_W0T520	S E E V A G F F G A M I	E E T D H A K D P V	F R A N F F R D F K E M C E E Y P P	
UniRef90_V4BLU2	A E E V A G F F A A M L	E E T D H V K L P I	F Q K N F F M H D F L E V L K E N G G T	
UniRef90_R9XCK8	T E E V A T F Y G K M L	D H D Y T T K D A F	F N T N F F R D W K K V M T K A	
UniRef90_F1KRD1	A E E V A T F Y A K M L	D H E Y T T K D V	F R K N F F K D W R K T M T	A
UniRef90_Q4SR65	A E E V A T F F A K M L	D H E Y T T K D V	F R K N F F K D W R K E M T	P
UniRef90_M5GFM6	S E E V A G F F G A M L	E E T P H A Q D N Q P V	F R N N F F E D F Q A V L S K Y P P	
UniRef90_T1G5Y2	A E E V A G F Y A R M L	D H D Y T T R D L	F N K N Y F R D W R K V M T	A
UniRef90_M3ZT25	A E E V A L F F A Q M L	D H E Y T T K K V	F R E N F F K D W R K E M T R Q	
UniRef90_G7E2E9	A E E V A G F F G A L L	E S D H A E N R T F V	D N F F A D F Q E V L K D H P P	
UniRef90_Q6FNH4	A E E V A G F F G A M L	H T D H A K N P V	F Q K N F F E D F L Q V L K E S G G T	
UniRef90_J7S6F4	A E E V A G F Y A A L L	G T Q H A E N T I	F Q K N F F Q D F L L Q I L R E N G G A	
UniRef90_T10G8	A E E V A S F Y A R M I	E H D Y T S K D V	F N N N F F K D W R K T M T S	
UniRef90_Q6FVE9	A E E V A G F F A H L L	E E T P H A Q N P V	F Q K N F F E D F K H V L N D A G G T	
UniRef90_UP10003AEB995	A E E V A T F Y G K M L	E H E Y T T K E V	F R H N F F R D W R K E M T A A E R K	
UniRef90_W5MPB0	A E E V A V F Y A K M L	D H E Y T T K E V	F Q K N F F H D W K Q E M T	A
UniRef90_UP1000359FFCA	A E E V A T L Y G K M L	H L E C T T K E V	F R R N F F S D W R K E M T	A
UniRef90_S2IYR1	A E E V A S F F A A L L	E E T E H G Q N P V	F Q K N F F E D W Q E V L K K D P K	
UniRef90_C0SEQ3	A E E V A G F F G S M L	N S T H V E N P T	F Q K N F F F N D F T A Y V K K S G G A	
UniRef90_R7UGR3	A E E V A V F Y G R M I	D H D Y T T Q E V	F N D N F F L K D W R K V M N S	
UniRef90_UP10003ACBF5B	A E E V A T F Y G R M L	D H E Y T T K E V	F Q N N F F S D W R K E M T	A
UniRef90_UP10003ABB2F5	A E E V A T F Y G R M L	D H E Y T T K E V	F R K N F F F N D W R K E M T V	
UniRef90_E0VRA1	A E E V A T F Y A K M L	T H D Y T T K E V	F N T N F F D W R K V M T D	
UniRef90_P0T7799	A E E V A G F Y A A M L	E T D H A K N P V	F Q D N F F R D F L K V C D E C N F	
UniRef90_K0KLD2	A E E V A G F F G A L L	E T D H G K N P V	F Q K N F F H D F L D V L K E S G G C	
UniRef90_L7N3P9	A E E V A S F F A K M L	D H E Y T T K E I	F R N N Y F M D W R K E M T	L
UniRef90_UP1000455D9DB	A E E V A G F Y G A M L	E E T D H A Q D A T	F N K N F F T D F L K V L A D Y P P	
UniRef90_UP10003EAE2F6	A E E V A V F F A Q M L	D H E Y T T K E V	F R N N F F S D W R K E M T	L
UniRef90_G3ATV1	A E E V A G F Y A A M L	E E T D H A K N P V	F Q K N F F F D D F C Q V L K E C G G C	
UniRef90_K5XCG1	A E E V A G F Y G A M L	E E T P H A Q D A V	F N K N F F F D D W K K V M K N H P A	
UniRef90_S4RKW4	A E E V A T F Y A K M L	D H E Y T S K D V	F R K N F F F K D W R K E M T S	
UniRef90_A0A024JLF6	A E E V A G F F G A M L	N T D H A K K E V	F Q K N F F F N D F L K V L K E T G K P	
UniRef90_T2MH26	A E E V A T F Y A K M L	D H D Y V K K D I	F N E N F F E D W R K E M T	A
UniRef90_Q0UUBo	A E E A A T F Y G S M L	N S T H V E N P T	F N K N F F F E D F T A I L D K T G H G	
UniRef90_UP100044075D0	S E E V A G F Y G Q M L	E E T D H A Q D A V	V F N K N F F F K D F L K V L E E H P P	
UniRef90_V9KMZ1	A E E V A T F F G K M L	D H E Y T T N A I	F R A N F F T D W R E V M T S A E R K	
UniRef90_R7YJY6	A E E V A G F Y G S M L	N S T H V E N P T	F N K N F F G D F K E I L D K T G H A	
UniRef90_B7Q9Y0	A E E V A G F Y G R M L	D H D Y T S K E A F	F N K N F F F K D W R K T M T	P
UniRef90_G3PKT3	A E E V A V F F G R M L	D H E Y T F F E E	V F Q A N F L T D W R K E M V D	
UniRef90_UP10004416C1C	S E E V A Q F Y A A L I	E E S D H A Q D A V	V F N K N F F F R D W K A V L K E H P P	
UniRef90_W4ZE35	A E E V A G F Y A R M I	E H D Y T T K D V	F N K N F F F R D W K V M T H E E K A	
UniRef90_Q6BLX2	A E E V A G F F G A M A E	E T D H A K N P T	F Q K N F F F E D F C K V L K D A G G C	
UniRef90_E3KJL6	S E E V A F F Y G S M L	N S D H V K K A V	F R Q N F F H D W L E V L K E H P P	
UniRef90_S7MFG5	V E E V A M F F A K M L	D H E Y T T K E I	F R K N F F F K D W R K E M T N	
UniRef90_C4XZS7	A E E V A G F F A E M L	E E T D H A K N P V	F Q K N F F F E D F L Q V L R E N G G C	
UniRef90_K2SIS5	A E E V A T F F G S M L	N S T H V E N P T	F Q K N F F F H D F K E V L D K T G H A	
UniRef90_V2XTI4	S E E V A G F Y A A L I	E E T D H A Q D A T	F N K N F F F E D W K K V L Q D H P P	
UniRef90_A9V5T5	A E E E I A G F Y A M M L	T R D Y V H K D I	F N E N F F H D W R K M M N P	
UniRef90_ESSUA5	A E E E V A T F Y S K M L	D H E Y T T K D V	F N T N F F H D W R K M M N P	
UniRef90_G0VE00	A E E E V A G F Y G A M I	E E T D H A K N P V	F Q K N F F F Q D F L E V L K T A G G T	
UniRef90_G8BYC4	A E E E V A G F Y A G V I	G T D H E Q N P I	F R K N F F F T D F K K V L Q E N G G T	
UniRef90_B2DDA7	Q E E E V A T M F A V M L	L D T D Y M T K S K	F K E N M D D W R K I L G K N H	
UniRef90_A3LUX2	A E E E V A G F Y G A M L	E E T D H A K N P V	F Q K N F F F G D F L D V I K E T N G	
UniRef90_D5GIC5	A E E E V A G F F G A M L	D D T Q H A S N P T	F A E N F F K D F Q A I L K	
UniRef90_T1J4Y8	A E E E V A T F F A K M L	D H E Y T T K D I	F R Q N F F F K D W R K T M T E	
UniRef90_C4R3Z3	A E E E V A S F Y A K M L	D H D Y T T K D A F	N K N F F F K D W R K T M T E	
UniRef90_U1G8C0	A E E E V A C F F G A M L	N T E H A Q D A V	I V L E H G G A	
UniRef90_G4MR71	A E E E V A T F F G S M L	N S T H V E N P T	P T F Q R N F F F S D F K K I V L E H G G A	
UniRef90_P41512	A E E E V A T F F G S M L	H T Q N V E N P T	F Q R N F F F S D F K K I V L E H G G A	
UniRef90_G3J934	A E E E V A T F F A K M L	D H E Y T T K D I	F R Q N F F F K D W R K T M T E	
UniRef90_I4Y6D9	A E E E V A G F Y A A V L	G S D H A A D Q V	F N K N F F F D F A E I V K K A G G A	
UniRef90_U6HQ28	A E E E V A G F Y A K M L	D H D F T K M E V	F N K N F F F N D F L D I L R K H P P	
UniRef90_U4LS70	A E E E V A G F F G A M L	D H D F T K M E V	F N K N F F F N D F L D I L R K V M T L	
UniRef90_H1UW96	A E E E V A G F F G A M L	D H S P H A S N P K F C	E N F F N D F R E I L A K N G G A	
UniRef90_G3B1F3	A E E E V A G F F G A L V	N S K H V D N P V	F Q K N F F F N D F R E I L A K N G G A	
UniRef90_A7TJW1	A E E E V A G F F A A L L	H T D H A K N T V	F Q K N F F F N D F R E I L A K N G G A	
UniRef90_UP1000441397B	S E E V A L F F G Q L L	G S D H A N D T T F	F Q K N F F F N D F R E I L A K N G G A	
UniRef90_W5LQR5	T E E E V A T F Y A K M L	D H E Y T T K E I	I F Q K N F F F N D F R E V M T E S E R R	
UniRef90_H2KN19	A E E E V A G F Y A R M I	D H D Y T T K E V	F N K N F F F N D F R E V M T E S E R R	
UniRef90_R4XH22	A E E E V A G F F G A L I	E E T D H A Q N P V	F V K N F F F N D F R E V M T E S E R R	
UniRef90_UP100026575F8	A E E E I A T F Y A R M L	D H D Y T Q K E S	F N S N F F F Q D W R K S M T A P	
UniRef90_S7QCY2	S E E E V A T F Y A K L L	E E T D H A R D E T	F N K N F F F Q D W R K S M T A P	
UniRef90_T1PEJ1	T E E E A A T F Y A K M L	N H D Y C T K K I	F N D N F F F Q D W R K S M T A P	
UniRef90_F7CC85	A E E E V A T F Y G K M L	D H E Y T T K E A F	F Q K N F F F Q D W R E Q M T N E E R K	
UniRef90_F4P4H2	S E E E V A S F F A A L I	G T D W A S N I T	F Q K N F F F R D F L G V L K E T D P	
UniRef90_B6JYV3	A E E E V A G F F G A L L	E S D H A Q N P T	F Q K N F F F R D F L G V L K E T D P	
UniRef90_M7XKA4	A E E E V A S F F A A I L	E E T D Y V K N P V	F V R N F F F R D F Q A V C K E A G M K	
UniRef90_F4RJG2	S E E E V A G F F G A M L	N S D H C Q K P T	F Q N F F F R D F Q A V C K E A G M K	
UniRef90_K5UX68	A E E E V A G F Y A A L L	E E T E H A K D A I	F N K N F F F R D F Q A V C K E A H P C	
UniRef90_A8N6Y9	A E E E V A G F Y G A L L	E E T D H A K D A T	F N K N F F F R D F Q A V C K E A H P C	
UniRef90_R8BF31	A E E E V A T F F G S M L	H T Q N V E N P V	F Q K N F F F R D F Q A V C K E A H P C	
UniRef90_FOXHG3	A E E E V A T F F G S M L	H T V N T E N P T	F Q K N F F F R D F Q A V C K E A H P C	
UniRef90_S8G2S4	A E E E V A G F Y A A L I	E A E H T K D A T	F N R N F F F R D F Q A V C K E A H P C	
UniRef90_H3EHN8	A E E E I A G F Y G R M L	D H D Y T S N E V	F N K N F F F R D F Q A V C K E A H P C	
UniRef90_S9V9Y4	E E E E V A T M F A V M L	K E T D Y Y Q N P V	F R D N F F S S W R E I L D K R L A N	
UniRef90_V5IQ16	A E E E A A T F F G F M L	N S T N V E N P T	F Q K N F F F R D F K E I L D R T G G A	
UniRef90_G0SCM2	A E E E V A T F F G S M L	H T Q H V E N P V	F Q K N F F F T D F K E V L D K T G G A	
UniRef90_W3XLX2	A E E E V A S F Y G A M L	D S Q H A S N P V	F Q K N F F F D D W K E V L K K H P P	
UniRef90_D8QC57	A E E E V A G F Y A A L L	E S D H A Q D A T	F N K N F F F D D W K E V L K K H P P	
UniRef90_G4TKD6	S E E E V A G F F F A A M L	D T E H A Q N D V	F R K N F F F D D W K E V L K K H P P	
UniRef90_W6MJD9	A E E E V A G F F G A M L	E T D H A K N P V	F Q K N F F F H D F L K V L E E A G G C	

90 100 110 120

QUERY	UniRef90_K1VQV2	UniRef90_W0T520	UniRef90_V4BLU2	UniRef90_R9XCK8	UniRef90_F1KRD1	UniRef90_Q4SR65	UniRef90_M5GFM6	UniRef90_T1G5Y2	UniRef90_M3ZT25	UniRef90_G7E2E9	UniRef90_Q6FNH4	UniRef90_J7S6F4	UniRef90_T10G8	UniRef90_Q6FVE9	UniRef90_UP10003AEB995	UniRef90_W5MPB0	UniRef90_UP1000359FFCA	UniRef90_S21YR1	UniRef90_C0SEQ3	UniRef90_R7UGR3	UniRef90_UP10003ACBF5B	UniRef90_UP10003ABB2F5	UniRef90_E0VRA1	UniRef90_P07799	UniRef90_K0KLD2	UniRef90_L7N3P9	UniRef90_UP1000455D9DB	UniRef90_UP10003EAE2F6	UniRef90_G3ATV1	UniRef90_K5XCG1	UniRef90_S4RKW4	UniRef90_A0A24JLF6	UniRef90_T2MH26	UniRef90_Q0UUBo	UniRef90_UP100044075D0	UniRef90_V9KMZ1	UniRef90_R7YJY6	UniRef90_B7Q9Y0	UniRef90_G3PKT3	UniRef90_UP10004416C1C	UniRef90_W4ZE35	UniRef90_Q6BLX2	UniRef90_E3KJL6	UniRef90_S7MFG5	UniRef90_C4XZS7	UniRef90_K2SIS5	UniRef90_V2XTI4	UniRef90_A9V5T5	UniRef90_ESSSUA5	UniRef90_G0VE00	UniRef90_G8BYC4	UniRef90_B2DDA7	UniRef90_A3LUX2	UniRef90_D5GIC5	UniRef90_T1J4Y8	UniRef90_C4R3Z3	UniRef90_U1G8C0	UniRef90_G4MR71	UniRef90_P41512	UniRef90_G3J934	UniRef90_I4Y6D9	UniRef90_U6HQ28	UniRef90_U4LS70	UniRef90_H1UW96	UniRef90_G3B1F3	UniRef90_A7TJW1	UniRef90_UP1000441397B	UniRef90_W5LQR5	UniRef90_H2KN19	UniRef90_R4XH22	UniRef90_UP100026575F8	UniRef90_S7QCY2	UniRef90_T1PEJ1	UniRef90_F7CC85	UniRef90_F4P4H2	UniRef90_B6JYV3	UniRef90_M7XKA4	UniRef90_F4RJG2	UniRef90_K5UX68	UniRef90_A8N6Y9	UniRef90_R8BF31	UniRef90_FOXHG3	UniRef90_S8G2S4	UniRef90_H3EHN8	UniRef90_S9V9Y4	UniRef90_V5IQ16	UniRef90_G0SCM2	UniRef90_W3XLX2	UniRef90_D8QC57	UniRef90_G4TKD6	UniRef90_W6MJD9
L N G I E K E F S R C D F T K M F D Y F Q L Q K E Q K K Q L E K K Q I R L E R	A E G V K I T S L E K C D F S D I Y Q Y F E S E R E K K K A L S K E E K K E A K	R N N V E K D F E K L D F T K I A E Y F Q V Q K E Q K K Q L E K K Q L K L E K	E K E V I T D L K K C N F K E I C E Y F K M K M S E R K A M S K D Q K K E I K	R N G I E Q E F S K C D F S K M H E Y I Q L Q K D Q K K Q L E K K L L K Q E K	A E R E T T E L E K C D F R P M A A H F Q K L S E E R K A M S K D Q K K E I K	E E K A K T T D L K K C D F S E M H Q Y F K A Q T E A R K A M T K E E K K E E N	R N G I K K S L D A C C D F R P M Y E H F E A E R A K K A M E K K E T K K V K	E E R H L T D L K K C N F K E M F E Y F K L K S E E R K N M S K E E K K K E N	E E R L V I T D L E K C C D F R E L H A F H K D K V E A R K A L S K E E K Q D Q K	T N G I D Q E F D R C C D F R P M F E H F E R E K E A R K S M T K D Q K K A D K	R N K I N T V F K D K C D F S K M N Q Y F E L E K K E E K R N M S R E E K K Q E K	L N G I N V L F D K C C D F S K I H G Y L E Q K K E E K R Q L E R K Q L R Q A K	K E K E L T D L K K C N F K K M H A Y F I K K S E E R K A L T K D A L L K E Q N	Q N G I E E S F D R M D F S A M H D Y F V Q L K E E K K S M T K K E I R L E R	V K R L S K C D F T E I H R H F A D R A A R R A E E K Q R L K E E A	E E Q S L I K D L S K C C D F D K E I H Q Y F E E K K T E E K K A M T K E G K Q A L K	E E R E L T R L D K C C D F D A E I H K H F V E R A A E A R R S L P K E E Q K K E E A	N P K I T D L K K C D F R P I W N K F E Q D K E E K K K A M T K E E K K E E K	K N P V A I N S F K C C D F K P I F E F Y E A A R L E K K A L E K K R L K A E E K	K E K E L L R D L R K C C D F N F E I N D Y F K L K S E E R K A M S K E E L K K Q N	E E R K I I K H L D K C C D F T E I H R Y F V D K T A A R K A L S R E E K K Q K L K	E E R E V I K S L D K K C C D F T E I H R Y F V D K A A A R K V L T R E E K Q K L K	K E R K V I T D L S K C C D F K P M A L Y F Q E K S E E R K A M S K E E E K V I K	N H N I K E F S K C C D F T Q M F H H F E Q K R E E K K S M P K E Q K K A L K	N V Q I K E F E K C C D F T K M H Q Y F E L K K E E K K A S E K K R L R Q E K	E E R M V T D L A K C C D F T E M F T Y Y K G K M E E K K N K S K E E K I K K E E N	R N G I K T K F E D C C D F R P M F E Y F E S E K A K K V L E K K E I L K Q K	E E K M I T D L N K C C D F S E I I Y K M H K E K V I E A R K N Q G K E E K Q K T K	G V D N D F T K M D F S K M Y A H F E K L R E E K K L M S R E E E K K Q E K	R D G T K I T S F E L C C D F R P L F E Y F E S E K A K K K A M T S E E K K K A A K	E E R S V T D L S K C C N F N E I D E Y F K V K T E E R K N M T K D E K Q M L K	K E P I E K E F A K C D F T N M F N Y F E K Q R E I K K S L E K K R I K A E R	E E R N I K S L D K C C D F K E M H A Y F M K C A E E K R N M T K E E K Q A I I	K D K V K I K K F E K C C D F K P I F E H F E A D R A A K K A L E K K A L K A E E K	R D G T M K E F D R C C D F R P M F D Y F E A Q K A K K K A M T T A E K K A A A K	L T N L N K C C D F Q E I H T Y F T E K T E A K R V Q S K E V K K M E Q	K D K V K T S F E K C C D F K P I F E Y Y D A Q R E A K K A L E K K G I K A A K	K E A E L T D L S K C C N F K E I D V Y Y K Q K S E E R K A M S K E E K K Q A Q N	E E R L L T D L D K C C D F R E I H T M H K A T V E A K K N A E K L A L K E A N	L D G T N T D M D K L C D F R P I I Y E Y L E E R A K K A L T K K E L K A E E K	I K D M K K C C N F K Q I H A Y Y Q R K S E E R K A M S K E E K Q E N K	N V N I D F H R M D F S K M H A H F E M L R D Q K K L E K K A I K A E E K	R D G T K K E F S K C C D F T P P M F D Y A S D E R E K K K A M S K E E K M K M R	E E N I T N S L K C C D F T Q M S Q Y F K A Q S E E A Q K Q M S K E E E K L K	D V D T E F D K C C D F S K M H A H F V K V R E E K K N M S K A E K K Q E R	G K K I K I E K F D K C C D F R D I Y A H F E A Q R E A K K A L P A A E E K K A L K	R N S I K V T D F N K C C D F D R P M Y E Y F E A E K A K K K A M S A A E V K K Q K	Q E R K D L T D I K C C D F S L I H S H Y Q Q R A E A R K A A S K E E E K E K R K	K E R E I T D L S R C K C N F R E M N E Y F T K K S E E R K A L S K D E K K K L K	K N G I T I E K F E K C C D F T K M F D Y F E L K K E E K K K L T S Q E K K Q L R	L N G V S E N F S K C C D F S R I V D Y L Q Q Q K E L K K Q L S A Q E K K Q E K	V Q N L E D C D F T P I I Y E W H Q R E E K K K M E K K V L K E E R	S D V E I K D F E K C C D F S K I F A H F E K L R E E K K L T K K A M K E E E K	H V N I S F F Q K C C D F K P M Y D Y F E E K K A E K K A L G R K A I K A E E K	R E R E T T D L K K C C N F T K M F Q Y F K D K S E E R K S M T K E E E K K K Q N	N V E E S F D K C C D F R P I I D F H Y E T Q Z K S L T K R E I K S E E K K	K E K V A I K D F A K C C D F S K I F D Y Y A A Q R E A K K A L P A A E E K K L K	K N K V D K E F E K C C D F K P I F Q H F Q A Q S E A K K A R S K E E E K K A E R	L T N L S K C C D F F N A M S L Y F K E Q S E A R K N M T K E E E K K A E N	K N K V P K S L E K C C D F G N M Y D H W L A K T E A K K A K D A A K A E E K	L D G T K Q E F E K C C D F Q P I K D Y L D Q E K E K K K A M E K K A A K E Q R	E E K Q V I R K L S K C C D F T Y M A E Y Y K K K A E E R K N M P K E E E K Q K I	R D K I P K T F D K C C D F T P M A E Y F E A R K A E K K A M T K K A E E K H K K	G N K V D L K E F S K M N F E Q I F Q Y Y E Q Q S A I R K T R S K K A A K A E E K	N V E I E K F E H L D F S K M Y A H F E Q L K E D K K K M S K E E E K K E D K	L N G I K E K F E Y C C D F S K M H E Y F E I Q R E Q R K K L E K K Q L R L E K	R D G T R I T S F N K C C D F R Q M F E F H D A E R I R K K N M S K K A A K E A K	L I K K L S K C C D F F S S I H K Y F V E K A E E K K N M T K E E E K Q V L K	R D G T K I K K L S K C C D F R E M H A H F L K L T E E R K N R T K E E E K Q K L K	K E T I P K D Y K K C C D F R P M Y E Y F E A K K E E K K A M T K D E K K K I	R D G T K I T D L K K C C D F T H M A N Y F K E K T E E R K N R S K E E E K L E M N	E E K D I K D F D K C C D F N E M H R F F S E K R K N A T K E E K L K K E E E N	L I K H L S K C C D F F S E I I H K Y F F E K N E A R K A L P K E E E K Q K L K	S A D I P K T F E K C C D F R P M F E Y F E E A K K N M S K E E E K K Q A K	P D G T K K S Y E E K C C D F K P I F A Y L E A E K Q K K S M T A A E K K A A K	R D R T K T S F E K C C D F T P I I F E Y Y D A E R E R K K K S L S K E E E K T K	R D G T K T K F E L C C D F R P M Y E H F E L L K A Q K K A M S S A A E K K E A K	R C G T K T T F E L C C D F R P M F E Y F E A E K A K R K A M T N E E K K A A K	K N K V D K E F A K C C D F K P I F E Y Y E A D R A A K K N R S A A E K K A D K	K R K V A L R D F T K L C C D F K P M F E H F K G L T E A K K T R S K E E E K K V E K	R D G T K T D L A L C C D F R P M Y E Y F E A E K A K K K A L T S A E K K K E L K	L T D L N K C C D F R Q I D V Y Y K E Q S E K R K A M S K D E K L A I K	G G S H P K E L V F C C D F S Q I Y N W H Q A E R E K K S L E K K I K Q E N	K D K V D K E F E K C C D F S Q L W A Y K D A Q K N A R S S A E K K A E K A E R	K N P V D K E F K K L C D F T K I Y E H F R S I S E A K K N R P A A E K K A E E K	L D G T Q T S L E A C C D F R P M F E Y F E A E K A R K R L S K A E K Q E I K	R N G I V K S M D M K C C D F R P M A E Y I E A E K A R K R L S K A E K Q E I K	K D A D I K D F D L C C D F S D M Y A Y F E K K R E E K K S I S P A E K K L I K			

130 140 150 160

QUERY	E K F E E D Y K F C E L D G R R E Q V G N F K V E P P D L F R G R G A H P K T G
UniRef90_K1VQV2	D K L E E P Y M Y A L I D G R K E K T G N F R A E E P P S L F R G R G E H P P R K T G
UniRef90_W0T520	E E F E K P Y K F C E I D G R I E Q V G N F R I I E P P P G L F R G R G A H P K T G
UniRef90_V4BLU2	E A N E K E Y G F C I I D G H K E K I G N F R I I E P P P G L F R G R G E H P K T G
UniRef90_R9XCK8	D K Q E E P Y K F C Y L D G R K E Q V G N F K I I E P P P D L F R G R G A H P K T G
UniRef90_F1KRD1	E A K E A E Y G Y A V I D G H R Q K I G N F R I I E P P P G L F R G R G G H P K T G
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UniRef90_T1G5Y2	E K I Q S E Y G F C I V D G H K Q K I G N F R I V E E P P P G L F R G R G E H P K T G
UniRef90_M3ZT25	D K I V D K Y G Y C C L L D S H R E R I V G N F K L I E P P P G L F R G R G Q H P K T G
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UniRef90_Q6FNH4	D K F E E K F K F C C E L D G R R E E Q V G N F R I V E E P P P G L F R G R G E H P K T G
UniRef90_J7S6F4	A E E E E P Y K F C C E L D G R R E E Q V G N F R I V E E P P P D L F R G R G A H P K T G
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UniRef90_Q6FVE9	E K F E E K Y K F C C E L D G R R E E Q V G N F K I V E P P P D L F R G R G A H P K T G
UniRef90_UP10003AEB995	E K L Q Q E F G Y C C I L D G H R E E K I G N F K I I E P P P G L F R G R G D H P K T G
UniRef90_W5MPB0	K A A E E E Y G Y C C L L D G H R E E K I G N F K I I E P P P G L F R G R G D H P K T G
UniRef90_UP1000359FFCA	E K L Q Q E F G Y C C I L D G H R E E K I G N F K M E P P P G L F R G R G E H P K T G
UniRef90_S21YR1	T K A E Q P Y L Y A L V D G R K E K V G N F R I I E P P P G L F R G R G S H P K T G
UniRef90_C0SEQ3	D E L E A P Y M Y C M W D G R K Q K V G N F R I V E E P P A L F R G R G E H P K T G
UniRef90_R7UGR3	E E I V K Q Y G F C V I D H H R E E K I G N F K T E E P P P G L F R G R G D H P K T G
UniRef90_UP10003ACBF5B	E E A E K L F G Y C T I L D G H R E E K I G N F K T E E P P P G L F R G R G D H P K T G
UniRef90_UP10003ABB2F5	E E A E N L F G Y C C L L D G H R E E K I G N F K T E E P P P G L F R G R G D H P K T G
UniRef90_E0VRA1	D A I Q K E Y G F C T I L D G H K E E K I G N F R I I E P P P G L F R G R G E H P K T G
UniRef90_P07799	D E E E E K Y K W C I L D G R K E L V G N F R I V E E P P P G L F R G R G S H P K T G
UniRef90_K0KLD2	E E E E A P Y K I C L L N G R K E Q V G N F R I V E E P P P G L F R G R G A H P R T G
UniRef90_L7N3P9	E K L L Q E Y G Y C S M D H H R E E R I V G N F K I I E P P A L F R G R G D H P K T G
UniRef90_UP1000455D9DB	D A L E E K Y T S C V L D G R K E K V G N F R I V E E P P P G L F R G R G D H P K T G
UniRef90_UP10003EAE2F6	D K L L E E Y G Y C T I L D H H R E E R I V G N F K I I E P P P G L F R G R G D H P K T G
UniRef90_G3ATV1	E R L E E P Y K T C Y L D G R K E L V G N F R I V E E P P P G L F R G R G A H P K T G
UniRef90_K5XCG1	D D M E A K Y T F C C L L D G R K E K V G N F R I V E E P P P G L F R G R G E H P R K T G
UniRef90_S4RKW4	E K N E Q D F G F C L M D S H K E R I V G N F R I I E P P P G L F R G R G D H P K T G
UniRef90_A0A024JLF6	D E A E A K Y K V C I L D G R K E M D G H K Q K V G N F R I I E P P P G L F R G R G D H P K T G
UniRef90_T2MH26	E K I A E K Y G F C E M D G H K Q K V G N F R I I E P P P G L F R G R G D H P K T G
UniRef90_Q0UUBo	D A A E A E Y M F C M W D G R K Q K V G N F R I V E E P P P G L F R G R G E H P K T G
UniRef90_UP100044075D0	D K V E A P F T T C V L D G R K E K V G N F R I I E P P P G L F R G R G E H P R K T G
UniRef90_V9KMZ1	E A I A Q E M Y G Y C M W D G R K Q K V G N F R I V E E P P P G L F R G R G S H P K T G
UniRef90_R7YJY6	D E A E A P Y M Y C M W D G R K Q K V G N F R I V E E P P P G L F R G R G E H P K T G
UniRef90_B7Q9Y0	E K L L E E Y G F C I I D G H R Q K I G N F K I I E P P P G L F R G R G E H P K T G
UniRef90_G3PKT3	Q K I L E E Y G Y C L L D H H K E R I V G N F K I I E P P P G L F R G R G G H P K K K G
UniRef90_UP10004416C1C	D K L E E P Y A Y C K L D G R K E K V G N F R I I E P P P G L F R G R G E H P K K K G
UniRef90_W4ZE35	E E I Q K E Y G F C S F D G H K E E K I G N F R I V E E P P S L F R G R G E H P K Q G
UniRef90_Q6BLX2	D K F E E P Y K T C C L L N G H H K E Q V G N F R I V E E P P P G L F R G R G A H P K T G
UniRef90_E3KJL6	D A L E A K Y K T C I L D G R V E K V G N F R I V E E P P P G L F R G R G E H P K T G
UniRef90_S7MGF5	E E I L K E Y G F C I M D N H K E E R I V G N F K I I E P P P G L F C G R G N H P K M G
UniRef90_C4XZS7	E A I L E E P Y R T C C L L N G R R E E V V G N F K V E E P P S L F R G R G A H P K T G
UniRef90_K2SIS5	A A K E A P Y M Y C M W D G R K Q K V G N F R I V E E P P S L F R G R G E H P K T G
UniRef90_V2XTI4	D E A E A K Y T H C C L L D G R K E K V G N F R I V E E P P P G L F R G R G E H P K K G
UniRef90_A9V5T5	E A L K E E Y G F A L M D G R K V T I G N F R I I E P P P G L F Q G R G E H P K M G
UniRef90_ESSSUA5	D E Q E A Q Y G Y A V V D G H K E E K I G N Y K I V E E P P P G L F R G R G T H P K M G
UniRef90_G0VE00	E K A E E K Y K F C E L D G R K E Q V G N F K V E E P P P G L F R G R G A H P K T G
UniRef90_G8BYC4	E E F E E P Y K F C E V N G R R E E Q V G N F R I V E E P P D L F R G R G A H P K T G
UniRef90_B2DDA7	L K Q E E K Y M W A I V N G V K E K V G N F R I V E E P P S L F R G R G E H P K M G
UniRef90_A3LUX2	E R I E E P Y K T C L F H K E L V G N F R I V E E P P P G L F R G R G A H P R T G
UniRef90_D5GIC5	D K A E E K Y L Y C Y L D G R K E K V G N F R I V E E P P P G L F R G R G E H P K T G
UniRef90_T1J4Y8	E A T M Q E Y G F C M I D N H K E E K I G N F K I I E P P P G L F R G R G E H P K M G
UniRef90_C4R3Z3	D K F E E K Y K Y C C L L N G R R E E R V G N F R I V E E P P P G L F R G R G S H P K T G
UniRef90_U1G8C0	A E K E A P Y M Y C T W D G R K Q K V G N F R I V E E P P P G L F R G R G E H P K T G
UniRef90_G4MR71	D K M E E P Y K Y C K W D G R K E K V G N F R I V E E P P A L F R G R G E H P K T G
UniRef90_P41512	E R L L Q E Y G Y C T I M D N H K E R I V A N F R I V E E P P P G L F R G R G D H P K M G
UniRef90_G3J934	D K L E A P Y P T C L L W D G R K Q K V G N F R I V E E P P S L F R G R G E H P K T G
UniRef90_I4Y6D9	E E I L E P F T H C C L L D G R K E K V G N F R I V E E P P P G L F R G R G A H P R K G
UniRef90_U6HQ28	Q R T V E Q Y G F C V L D G H K Q R I V A N F R I V E E P P P G L F R G R G N H P K T G
UniRef90_U4LS70	D E A E K K Y T T C C L L D G R K E R I V G N F R I V E E P P P G L F R G R G D H P K T G
UniRef90_H1UW96	D E L E A P F M Y C K W D G R K E K V G N F R I V E E P P S L F R G R G E H P K T G
UniRef90_G3B1F3	E R Q E E P Y R T C C L L N G R R E E K I G N F R I V E E P P P G L F R G R G A H P K T G
UniRef90_A7TJW1	E E Q E E P F K F C E L D G R R R E E Q V G N F R I V E E P P D L F R G R G A H P K T G
UniRef90_UP1000441397B	D K L E A P Y T H C M I L D G R K E K I G N F R I V E E P P P G L F R G R G E H P K K G
UniRef90_W5LQR5	D K L T E H Y G Y C C L L D G H K E K I G N F R I V E E P P P G L F R G R G E H P K M G
UniRef90_H2KN19	E E N L A L Y G Y C T I D G H R Q R I V G N F R I I E P P P G L F R G R G N H P K M G
UniRef90_R4XH22	E D F E E K Y K E A V V D G R K E K I G N F R I I E P P P G L F R G R G A H P K T G
UniRef90_UP100026575F8	E A L Q K E Y G C I I D G H K Q R I V G N F K I I E P P P G L F R G R G E H P K M G
UniRef90_S7QCY2	E A K A K A Y A T C L L D G R K E K V G N F R I V E E P P P G L F R G R G E H P K K G
UniRef90_T1PEJ1	E A L V K E Y G C I I D G H K E K I G N F R I L E P P P G L F R G R G E H P K M G
UniRef90_F7CC85	E K I Q E E Y G Y C I I D G H R E E K I G N F K I I E P P P G L F R G R G D H P K M G
UniRef90_F4P4H2	A E I L D N Q Y G W L K I D G R K E K V G N F R I V E E P P P G L F R G R G E H P R T G
UniRef90_B6JYV3	E E E E E K F K W C L L D G R K E K V G N F R I I E P P P G L F R G R G S H P K T G
UniRef90_M7XKA4	D A L E E K F K W C Y L D G R K E K V G N F R I I E P P P G L F R G R G E H P K T G
UniRef90_F4RJG2	K E K D E L F Q F C C L L D G R Q E K V G N F R I V E E P P S L F R G R G E H P K K G
UniRef90_K5UX68	D A L E A P F T H C C V L D G R K E K V G N F R I V E E P P P G L F R G R G E H P K K G
UniRef90_A8N6Y9	K K K D E L Y K T C C V M D G R K E K V G N F R I V E E P P P G L F R G R G E H P K K G
UniRef90_R8BF31	A E L E A P Y M F C K W D G R K E K V G N F R I V E E P P P G L F R G R G D H P K T G
UniRef90_FOXHG3	D E L E A P Y L Y C V L D G R K E K V G N F R I V E E P P P G L F R G R G E H P K T G
UniRef90_S8G2S4	A K K D E L F T H C I I D G R K E K V G N F R I V E E P P P G L F Y R G R G E H P K K G
UniRef90_H3EHN8	E E K E A E Y G F A F I D G H K Q K I A N F R I I E P P P G L F R G R G G H P K M G
UniRef90_S9V9Y4	D A L A E P Y K T C L W D G R E E Q V A N F R I V E E P P P G L F R G R G K H P L A G
UniRef90_V5Q16	D K R D A P Y L Y C K W D G R K E K V G N P R V E E P P P G L F R G R G D H P K T G
UniRef90_G0SCM2	E A L E A P Y M Y C K W D G R K E K V G N F R I V E E P P P G L F R G R G E H P K T G
UniRef90_W3XL2X	E K K D K P F K F C V W N G R K E K V G N F R I V E E P P S L F R G R G E H P K T G
UniRef90_D8QC57	A Q R E E A Y K F C L L D G R K E Q V G N F R I V E E P P P G L F R G R G D H P R K G
UniRef90_G4TKD6	E K K Q K P Y A T C M F C V W N G R P R E K V G N F R I V E E P P P G L F R G R G E H P K K G
UniRef90_W6MJD9	K E K D E A E E T C Y L N G R K E P V G N F R I V E E P P P G L F R G R G A H P K T G

170 180 190 200

QUERY	UniRef90_K1VQV2	UniRef90_W0T520	UniRef90_V4BLU2	UniRef90_R9XCK8	UniRef90_F1KRD1	UniRef90_Q4SR65	UniRef90_M5GFM6	UniRef90_T1G5Y2	UniRef90_M3ZT25	UniRef90_G7E2E9	UniRef90_Q6FNH4	UniRef90_J7S6F4	UniRef90_T110G8	UniRef90_Q6FVE9	UniRef90_UP10003AEB995	UniRef90_W5MPB0	UniRef90_UP1000359FFCA	UniRef90_S21YR1	UniRef90_C0SEQ3	UniRef90_R7UGR3	UniRef90_UP10003ACBF5B	UniRef90_UP10003ABB2F5	UniRef90_E0VRA1	UniRef90_P07799	UniRef90_K0KLD2	UniRef90_L7N3P9	UniRef90_UP1000455D9DB	UniRef90_UP10003EAE2F6	UniRef90_G3ATV1	UniRef90_K5XCG1	UniRef90_S4RKW4	UniRef90_A0A024JLF6	UniRef90_T2MH26	UniRef90_Q0UUBo	UniRef90_UP100044075D0	UniRef90_V9KMZ1	UniRef90_R7YJY6	UniRef90_B7Q9Y0	UniRef90_G3PKT3	UniRef90_UP10004416C1C	UniRef90_W4ZE35	UniRef90_Q6BLX2	UniRef90_E3KJL6	UniRef90_S7MFG5	UniRef90_C4XZS7	UniRef90_K2SIS5	UniRef90_V2XTI4	UniRef90_A9V5T5	UniRef90_ESUUA5	UniRef90_G0VE00	UniRef90_G8BYC4	UniRef90_B2DDA7	UniRef90_A3LUX2	UniRef90_D5GIC5	UniRef90_T1J4Y8	UniRef90_C4R3Z3	UniRef90_U1G8C0	UniRef90_G4MR71	UniRef90_P41512	UniRef90_G3J934	UniRef90_I4Y6D9	UniRef90_U6HQ28	UniRef90_U4LS70	UniRef90_H1UW96	UniRef90_G3B1F3	UniRef90_A7TJW1	UniRef90_UP1000441397B	UniRef90_W5LQR5	UniRef90_H2KN19	UniRef90_R4XH22	UniRef90_UP100026575F8	UniRef90_S7QCY2	UniRef90_T1PEJ1	UniRef90_F7CC85	UniRef90_F4P4H2	UniRef90_B6JYV3	UniRef90_M7XKA4	UniRef90_F4RJG2	UniRef90_K5UX68	UniRef90_A8N6Y9	UniRef90_R8BF31	UniRef90_FOXHG3	UniRef90_S8G2S4	UniRef90_H3EHN8	UniRef90_S9V9Y4	UniRef90_V5IQ16	UniRef90_G0SCM2	UniRef90_W3XLX2	UniRef90_D8QC57	UniRef90_G4TKD6	UniRef90_W6MJD9
K	L	K	R	R	V	N	P	E	D	I	V	L	N	L	S	K	D	A	P	V	P	P	A	P	E	G	H	K	W	G	E	I	R	H	D	N	T	V	Q																																																				
T	L	K	R	R	V	Y	P	E	D	V	V	L	N	L	D	K	D	A	P	I	P	V	P	N	I	P	G	K	W	G	I	Q	H	D	N	T	V	T																																																					
K	L	K	R	R	V	Q	A	E	D	I	I	I	N	C	G	K	D	S	E	I	P	E	P	K	G	H	K	W	E	I	R	H	D	N	Q	V	T																																																						
M	L	K	R	R	V	Q	P	E	D	V	V	I	I	N	C	S	K	D	S	E	I	P	E	P	P	A	G	H	K	W	E	I	R	H	D	N	T	V	T																																																				
K	L	K	R	R	V	R	P	E	D	V	V	I	I	N	C	S	K	D	S	E	I	P	V	P	P	E	G	H	K	W	E	I	R	H	D	N	T	V	T																																																				
M	L	K	R	R	V	Q	P	E	D	V	V	I	I	N	C	S	K	D	S	E	I	P	V	P	P	G	G	H	K	W	E	I	R	H	D	N	K	V	T																																																				
R	L	K	R	R	V	L	H	P	E	D	M	I	I	N	L	G	E	G	S	K	I	P	V	P	N	I	P	G	K	W	E	I	R	H	D	N	T	V	T																																																				
M	L	K	R	R	V	Q	P	E	D	V	V	I	I	N	C	S	K	D	S	K	Y	I	P	V	P	N	I	P	G	K	W	E	I	R	H	D	N	T	V	T																																																			
M	L	K	R	R	V	M	P	E	D	V	V	I	I	N	C	S	K	D	S	K	Y	I	P	V	P	P	P	G	H	K	W	E	I	R	H	D	N	T	V	Q																																																			
K	L	K	R	R	V	Q	P	E	D	V	V	I	I	N	C	S	K	D	S	K	Y	I	P	V	P	P	P	G	H	K	W	E	I	R	H	D	N	T	V	T																																																			
M	L	K	R	R	V	L	P	E	D	V	T	I	I	N	C	G	R	D	S	K	I	P	V	P	P	P	G	H	K	W	E	I	R	H	D	N	T	V	T																																																				
K	L	K	R	R	V	Y	P	E	Q	I	T	I	I	N	L	G	E	V	G	V	P	V	E	P	L	P	G	H	Q	W	A	E	V	K	H	D	N	T	V	T																																																			
S	L	K	R	R	V	F	P	E	D	I	I	L	N	L	G	K	D	A	P	V	P	P	A	P	E	G	H	K	W	A	E	V	R	H	D	N	T	V	S																																																				
K	L	K	R	R	V	L	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	P	P	G	H	K	W	E	I	R	H	D	N	T	V	T																																																				
M	L	K	R	R	V	M	P	E	D	V	V	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	V	H	D	K	T	V	T																																																				
A	L	K	F	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	P	P	G	H	K	W	E	I	R	H	D	N	T	V	F																																																				
M	L	K	R	R	V	Q	P	E	D	V	V	I	I	N	C	S	K	D	S	K	I	P	V	P	P	P	G	H	K	W	E	I	R	H	D	N	T	V	F																																																				
K	L	K	R	R	V	K	P	E	D	V	T	I	I	N	L	G	R	D	V	K	V	P	E	P	A	G	H	K	W	E	I	R	H	D	N	T	V	F																																																					
A	L	K	S	R	V	F	P	E	D	V	T	I	I	N	C	S	S	E	S	R	V	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
S	L	K	R	R	V	H	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
K	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
M	L	K	R	R	V	L	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
K	L	K	R	R	V	Y	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
M	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
K	L	K	R	R	V	Y	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
M	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
K	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
M	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
K	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
M	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
K	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
M	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
K	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
M	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
K	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
M	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
K	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
M	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
K	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
M	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
K	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
M	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
K	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
M	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
K	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
M	L	K	R	R	V	R	P	E	D	V	T	I	I	N	C	S	K	D	S	K	I	P	V	P	N	M	P	G	Q	W	Q	V	R	H	D	N	T	V	F																																																				
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K	L	K	R	R	V	R	P																																																																																				

210 220

QUERY	
UniRef90_K1VQV2	WLA M WRE N F NS F K Y V R L A A
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UniRef90_M2MXM9	D T I K W T T	L S H S G V L F	P P E Y	V P H N K P I L Y R G K E I Y L S P K	
UniRef90_N1JEQ0	S V K W T T	L Q H N G V V F	P P E Y E P	L P P E N V K L L Y N G T P V T L S I E	
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UniRef90_C9SIQ6	D S V K W T T	L E H N G V L M D Y K Y E P	L P P K N V K L L Y D G K P L N L P L Q		
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UniRef90_C9ZLY6	R W D T L	H N G V L F P P A Y	L P V H G I P I L Y N Q Q K F E M T P E		
UniRef90_M4F3B7	K W T T L	E H N G V I F P P Y K P	H G I K I L Y K G K P V D L T I E		
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UniRef90_T5AAS4	D S I K W Q T	L E H N G V L F A P E Y E P	L P K H K V L L Y D G K P V N L L A M D		
UniRef90_R7Q8D5	G I K W T T	L L H N A V I F P P E Y E P	H G I P L L Y N G K A V E L L S A E		
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UniRef90_F6UGZ7	D G V K W K Q L	E Y K G T Y F V P L Y E P	V P H G V K M L Y D G K E V E L P S D		
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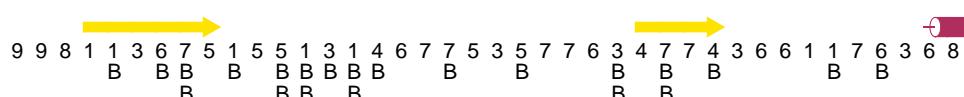
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UniRef90_UPI000121AE3	E E K A Q E Y G [] A I I	D G H K E K I	I A N F R I	E P P P G V
UniRef90_UPI00042B0609	L K Q E E K F M W A I V D G V K	E K V G N F R V E	E P P P G L	F R G R G E H P K M G
UniRef90_M1UTH2	A Q R V A H Y T V A I V D G R K	E K V G N A N Y R V	E P P P G L	F L G R G D H P [] M G
UniRef90_UPI0003F0612A	K Q N Q A L Y G F C I I	D G H K Q K I	G N F R I	E P P P G L
UniRef90_C9ZLY6	D E E A E P Y K W C I	W N G K K E Q V	A N F R V E	E P P P G L
UniRef90_M4F3B7	E E K L K L Y M W A V V D G V K	E K V G N F R V E	E P P P G L	F R G R G E H P K M G
UniRef90_M4F3B7	E E K L K L Y M W A V V D G V K	E K V G N F R V E	E P P P G L	F R G R G E H P K M G
UniRef90_C1FD86	A A A E E K Y C W A T I	D G R R E R	V G N Y K V	E P P P G L
UniRef90_U5EZ94	E Q N E E L Y G F C T I	D G H K E K I	G N F R I	E P P P G L
UniRef90_T5AAS4	E A F E A P Y V H C M W D G R K	Q K V G N F R V E	V E P P S	F R G R G E H P K T G
UniRef90_R7Q8D5	A V R C K K Y T V A I V D G R K	E K V G N F R V E	P F L G R G E H P K M G	
UniRef90_M0TF64	E K K K Q K Y M W A I V D G V K	E K V G N F R V E	E P P P G L	
UniRef90_R0GJ77	L K L E E E K Y M W A I V D G V K	E K V G N F R V E	E P P P G L	
UniRef90_K1X2H8	D E V E A P Y T H C L W D G R K	E Q V G N F R V E	E P P P G L	
UniRef90_B3S6N7	K E N E E L Y G F C I I	D G H R Q R	V G N F K I	E P P P G L
UniRef90_G0OKU4	D K E A E P Y K W C I	W D G R R E	Q V A N F R I	E P P P G L
UniRef90_F1A1A6	K K L Q E K Y G F A M	D G F K E K I	G N F T I	E P P P G L
UniRef90_L8HMR9	E E K E K I Y G F A L V	D G H K V K I	G N Y R V	E P P P G L
UniRef90_S9U3B5	D K D A E P F K F C L W D G R K	E K V G N F R V E	E P P P G L	
UniRef90_UPI00042CF959	E K L Q Q E F G Y S I L	D G H R K N T	G S F K T	P W S V
UniRef90_UPI000393FCE2	D K I Q E E Y G Y C I L	D G H R E K	I G N F K T	P P G L
UniRef90_G1XAW8	A K I E E P Y Q Y C L	W D G R K E	K V G N F R V E	P P P G L
UniRef90_D8S5X0	D E K A K A K Y T W A L V	D G V K E	V G N F R V E	E P P P G L
UniRef90_A0A059LS43	A A R E A P Y K V A Y I	D G R P E A	V G N F R V E	E P P P G L
UniRef90_X8JXQ9	E A K E E K Y T T C L M	D G R S E K	V G N F R I	E P P P G L
UniRef90_U9UF24	E E K L Q L Y G Y C Y L	D G R K Q	V G N F R I	E P P P S
UniRef90_T0QMC1	A K R E T E Y G F A I V	V D G H L	E K V G N F R I	E P P P N
UniRef90_M4B3R2	E K R E M E L G F A F V	D G H L E	K V G N F R I	E P P P G L
UniRef90_N6UPZ5	E K N E A L F G F C T I	D G R K E K I	S N F K I	K P P G L
UniRef90_D7MF62	P K Q G E K Y M W A V V D G V K	E K V G N F S	V E P P P G L	F R G R G E H P K T G
UniRef90_Q00XV7	A E K D K A Y T W A T	D G R R E	K V G N F R I	E P P P G L
UniRef90_X6P6N4	Q E M D S K Y G W A V V D G V L	E K V G N Y K	V E P P P G L	F R G R G E H P K M G
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UniRef90_L7RD62	L A E E E K Y K F A L V D G K E Q	P V G N F R I	E P P P G I	F L G R G G C N P K S G
UniRef90_U3IUG7	D K I Q E E Y G Y C I L	D G H R E K	I G N F K T	P P G L
UniRef90_UPI0004561A66	K A Q E K E W R T C W V	D G A E Q S	I G N F N I	P P G L
UniRef90_I2FRL1	K L E D N K W K V C L V	D G V E Q R	V G N V	P P G L
UniRef90_E9H1X3	T E N E E M Y G W C I I	D G H K Q	R I V G N F K I	E P P P G L
UniRef90_Q9XGL1	E E K L Q K Y M W A V V D G V K	E K V G N F E	V G N F R V E	E P P P G L
UniRef90_U6MLW5	D A E A A P F A F A L W D G R L	E K V G N C R	V E P P P G L	F R G R G E H P K Q G
UniRef90_W7U3X4	E E R Q D H Y G Y A I V D G R I E	K V G N F N M	E P P P G L	F R G R G M H P [] M G
UniRef90_F6UGZ7	E R L K E K F G N C I L	D G Q E E	T G N F K T	P V L F H G C G
UniRef90_K8F1T3	D K A E E K Y M W A T M N G K R E	Q V G N F R V E	E P P P G L	A P K M G
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UniRef90_I6P3I2	E K N E E I Y G F C I I	D G H K E	K I G N F K I	E P P P G L
UniRef90_D3BQM7	E D K E K I H G I A T I	D G H K Q	I V G N Y T I	E P P P G L
UniRef90_U5H448	D I T E E P Y K T C L L	D G R K E	K V G N F R I	E P P P A L
UniRef90_D2UY19	A K F E D A Y K Y A L V D G R D	E K V G Q	F K I V Q Q F K I	F R G R G T H P K M G
UniRef90_C5L755	E A K D H P Y T H V I V D E L	R E R V G	V E P P P N	F R G R G D H P K M G
UniRef90_A8IDM1	D E K E A K Y K V A Y V	D G R P E	V G N F R V E	F R G R G E H P K M G
UniRef90_W6K1I3	D A E A E P Y R W C V	W D G R K E	Q V A N F R V E	E P P P D L
UniRef90UPI0002C31353	E E K S K Q E E W A I I	D G V K E	V Q S F R V E	F R G R G K H P [] A G
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UniRef90_UPI0003C8342B	E E L L Q P E F G Y C I L	X H R E	K M G S F K T	F P G L
UniRef90_I0YZE8	E E A E A K F K H A L V	D D R K E	Q V G N F R V E	E P P P G L
UniRef90_S8CNF1	E E K L Q K Y M W A I V D N V K	E K V G N F R V E	E P P P G L	
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UniRef90UPI00038333F6	D K L Q E E Y G Y C I L	D G H R E	K I G N F K T	P P G L
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UniRef90_J9B452	E I K Q E E Y G V A Y I	D G H K Q	K I G N F R I	E P P D L
UniRef90_T1G3L2	K A N E K L Y G Y C V W D G H K	V D G H K	I G N F R V E	F R G R G G H P K M G
UniRef90_K3WI9	E K K E M E L G F A V V	D G H L E	K V G N F R I	E P P P G L
UniRef90_Q1WWG8	E A L M K E F G F C M	D G H R E	K I G N F R L	E P P P G L
UniRef90_G7J5A8	M K Q E E K Y M W A I V D G V K	E K V G N F R V E	E P P P G L	F R G R G N H P R T G
UniRef90_L8X1W4	S K D E E K Y T A C T M D G R P	E K V G N F R V E	E P P P G L	
UniRef90_E7FE49	E R I L Q E Y G F C I L	M N H R E	R I I G N F R I	E P P P G L
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	170	180	190	200
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UniRef90_N1PNC4	K W K R V T P E Q I T I N I G K E A T V P K P P E G H K W K E I K H D N T A T			
UniRef90_W5JGH0	L V K R R V M P E D V I I N C S K D S K I P V A P P G H R W K E V R H D N T V S			
UniRef90_F2UM37	K L K R R V L P E Q V I I N I G K E A K V P E P P A G H R W K E V R H D N K V S			
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UniRef90_K1R6Q7	M L K R R T Q P E D V I I N C S K T A K V P S P P G H K W K E V R H D N K V S			
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UniRef90_UPI00021A5005	K I K R R V Q P E D V T I N I G K K A P V P D P P K G H Q W K A V Q H D Q K A T			
UniRef90_C7YQG7	K V K R R V T P E Q I T I N I G K G A K V P E C P A G H R W G Q I H N N K V T			
UniRef90_M2XMQ9	K V K R R I M P E D I T I N I G E D A P V P T P P G H K W K G V Q H D N K A T			
UniRef90_N1JEQ0	K V K R R V M P E Q I T I N I G K E A T V P Q P P D G H K W K A I Q H D N K A T			
UniRef90_M7SBK2	K V K R R V L P E Q I T I N I G K N A K V P V P N I P G Q W K G I Q H D N T V T			
UniRef90_J9VR61	T V K R R L R P E D I T I N I G K E A P I P V P N I P G Q W K G I Q H D N T V T			
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UniRef90_M4F3B7	K L K R R I H P S D I T T N I G K G V P V P E C P C P G E K W K D V K H D N T V T			
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UniRef90_C1FD86	R V K R R I M P E D I I N I G K G A K V P E P L P G H K W K Q I I H N N T V T			
UniRef90_U5EZ94	T V K R R V V P E D V I I N C A K E S V R P E P P K G H K W K E V R H D N Q V S			
UniRef90_T5AAS4	H V K R R V S A E Q I T I N I G K G A K V P P P A G H K W K A V Q H D Q K A T			
UniRef90_R7Q8D5	K V K R R V S Y P E Q I T I N I G K H D A E V P P C P E G H K W G K I H K R D V T			
UniRef90_M0TF64	K L K R R I R P R D I T I N I G K D A P I P E C P I P G E R W K E I K H D N T V T			
UniRef90_R0GJ77	K L K R R I R P C E I T I N I G K D A P I P E C P I P G E S W K E V R H D N T V T			
UniRef90_K1X2H8	K V K R R V Y P N Q V I I N I G K E A T V P P P P E G Y N W K E V R H D N K V T			
UniRef90_B3S6N7	K I K R R I E A K D I T I N I G K D A K L P A P P G Q K W K E V R Y D N K V T			
UniRef90_G0OKU4	T L K R R L V P E D V I I N I G E E S P I P T P P A G H R W G A V I H N H V T			
UniRef90_F1A1A6	M L K Q R R I Y P S D D V T I N I G K G E N V P P S P P G H E W K D V V H D N T V T			
UniRef90_L8HMR9	H L K R R I M P E D V T I N I G K D A K V P K C P G H K W G T V T H N N T V T			
UniRef90_S9U3B5	E L K R R V Y P E D V T I N I G E G T P I P A C P P G H R W K E V V H D H N V T			
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UniRef90_M4B3R2	T L K R R V T P E E V T I V N V G I S D R V P C C N P G H A W K Q V I H R D T V S T			
UniRef90_N6UPZ5	K L K R R V Q P E D I T I N C S K T S T I P V A P P G H K W K E I R H D N N V T			
UniRef90_D7MF62	K L K R R I Y P S D I T I N I G K D A P I P E C P P G E R W K E V K H D N T V I			
UniRef90_Q00XV7	UniRef90_Q00XV7	K I K R R V M P E D I T I N I G K D A R V P P P P G H S W K A V I H N D T A T		
UniRef90_X6P6N4	L I K R R I Q P E D V I I N I G K G M A I P E C P P G H K W G G V V H D Q S V T			
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UniRef90_I2FRL1	K V K R R I F P G D I T I N H S A D H A A P Q P P A G G H W A E V V E K K D V T			
UniRef90_E9H1X3	M V K R R V M P E D V I I N C T K G T A P P P P G H K W K E V R S D N T V T			
UniRef90_Q9XGL1	K L K R R I S P S D I T I N I G K D A P I P E C P I P G E S W K E V R H D N T V T			
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UniRef90_E9C5X5	M L K R R V V P E D I T I N C S K D S T P P A P P G H K W K E V I C N K T V T			
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UniRef90_W6K1I3	T L K R R V M P E D I T I N I S P D A K I P D P P A G H H W K A V Q H D N T V T			
UniRef90UPI0002C31353	R L K R R I V P S D I T I N I G E D A P T P E C P P G Q N W K R I R H D N T V S			
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UniRef90_K3WI9	T L K R R V M P G E V T V I N V G I S D R V P I C N P G H A W K E V I H R D T V S			
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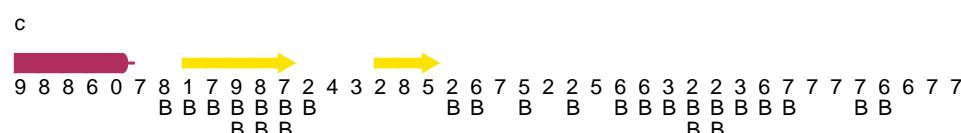
Sequence logo showing the conservation of amino acids at each position of the protein sequence. The x-axis represents positions 50, 60, and 70. The y-axis lists UniProt IDs. Colored bars indicate the frequency of each amino acid at each position: yellow for A, red for C, blue for D, green for E, purple for F, brown for G, black for H, pink for I, grey for K, orange for L, white for M, light blue for N, dark blue for P, light green for Q, light orange for R, and light pink for S.

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5

130 140 150 160

L Q E A A P Y A Y A L V D F □ R E K V G N T R V E P P G L F R G R G E H P K Q G				
D E R Y G Y C Y I D G E R H R I N Q F R I K P P G L C C P R G Y S □ T M G				
E E N E R L Y G F C I M D N H K E R I G N F R I E P P G L F R G R G D H P K M G				
E D R S Q Q F G F S I V D G H E R V G N F N M E P P G L F R G R G E H P K M G				
A E E L L Q K Y G F A M I N G H R Q R I S N W A I E R P G L F L G R G A H P K T G				
A E A E R I Y G Y C I I D G H R E K I G N F K T E P P G L F R G R G D H P K T G				
D D C Q L R S G Y A I L D D H L E K V G N F R M E P P G L F R G R G K H P K T G				
E E I I Q Q E E Y G Y C I I D G H R E K I G N F K T E P P G L F R G R G D H P K M G				
E K V Q Q E F G Y F F L D G H K Q R I G N Y N I S P P S L F V G R N S P N R G				
E E A E K L F G X C I L D G H R E K I G D F K T E P P G L F R G R G D H P K M G				
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E E L L V H K Y S Y A I V D G H L E K V G N Y N V E P P G L F R G R G E H P K T G				
D E K E K L Y G Y A M V D G H K Q K I G N Y M V E P P G L F L G R G K H P K T G				
R I K E S P Y □ Y A L V D W □ K E K V G N F R I E E P P G L F R G R G E H P K S G				
D E R K E K Y M W A V V D G S R E K V G N F R I V G T T R V V Q R S W R A S K D P				
Q K K E D Y Y A G A I L D G F R E K V G Q F M I E P P T L F K G R G E H P K M G				
G D Q E S P F V Y A L V D W □ K E K V G N F R I V E P P G L F K G R G E H P K S G				
E K E K L K Y K Y A L L D G R Q E E M V G N F R I V E P P G L F R G R G E H P K M G				
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D E A E A K Y T H C F L D G R K E K V G N F R V E P P G L F R G R G E H P K K G				
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D I D E E P Y T A W T D G R R E K V G N F R V E E P P G I F R G R G E H P K M G				
K E E K A K Y A W V L I D G V G N F R V E E P P G I F R G R G E H P K M G				
U n i R e f 9 0 _ L 8 H B 9 9	E S E R Q R H G V A L V D G E P A P V A N W Q I E E P P G I F R G R G Q H P Q A G			
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U n i R e f 9 0 _ U P I 0 0 0 3 8 3 5 C F 8	E R I L Q E Y G F C I L M D N H R E R I G N F R I E E P P G I F R G R G D H P K M G			
U n i R e f 9 0 _ L 0 A T U 3	A K L E E H K F N Y A L V D W □ R E K V S S N K L E E P P G I F K G R G L H P K Q G			
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U n i R e f 9 0 _ U P I 0 0 0 3 6 E 0 0 1 F	E E M K T K Y G R G V I D G K E V E I G N Y M A E E E P P G I F M G R G E H P M R G			
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U n i R e f 9 0 _ G 7 J 5 C 3	D A L E E P F R H C T W D G Q Q Q K V G N F R I E E P P G I F R G R G D H P K I G			
U n i R e f 9 0 _ A 0 A 0 1 7 S F 0 0	U n i R e f 9 0 _ I 3 D 3 T 0	E K L K A K Y G I A M D G K E V E V G N Y M A E E E P P G I F I G R G E H P L R G		
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U n i R e f 9 0 _ H 2 Y 8 H 3	M K Q E E K Y M W A V D G V K E K V G N F R V E E P P G I F I G R G E H P K I G			
U n i R e f 9 0 _ I 1 E 8 L 1	D A I T E E Y G W A I M D G H K E K I G N F K T E P P G L F R G R G D H P K Q G			
U n i R e f 9 0 _ M 0 V F N 6	L K Q E E K Y M W			
U n i R e f 9 0 _ L 8 I Y 1 7	E K L Q Q E F G C S I D G H R E K T G S F K T E P P W L A T H G H P R G G			
U n i R e f 9 0 _ S 2 E N B 1	E K L V Q K Y G K A I M D G K E V D V A N Y M A E E E P P G I F I G R G E H P M R G			
U n i R e f 9 0 _ W 8 R W 4 6	A Q R K E R Y G Y A V V D G E R M E L A N Y V A E P N S I F M G R G E H P M R G			



lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5

Sequence logo showing the conservation of amino acids at each position of the protein sequence. The x-axis represents positions 170, 180, and 190. The y-axis lists UniProt IDs. Colored bars indicate the frequency of each amino acid at each position: black for Ile, blue for Leu, red for Phe, green for Ser, yellow for Cys, and grey for others.

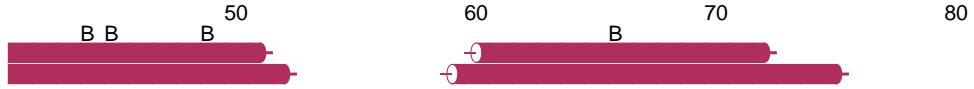
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UniRef90_F0VKC0	W A F Y R D S N D Q [V] K Y M Y L A A
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