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QUERY  
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E	E	L	G	A	P	L	L	C	C	P	P	R	R	H	Y	E	D	K	E	A	E	A	E	V	K	N	T	F	W	N	C	P	C	C	V	P	M	R	R	E	R	K	K	E	C	H	H	C	C
E	E	L	G	A	P	L	L	C	C	P	P	R	R	H	Y	E	D	K	E	A	E	A	E	V	K	N	T	F	W	N	C	P	C	C	V	P	M	R	R	E	R	K	K	E	C	H	H	C	C
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QUERY	90	100	110
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UniRef90\_W0EHB2 K E I K K D R Q W M N R Y V Q K Q G F K I N P H R M Y L T Q L S I W L E E N K  
UniRef90\_Q2FQW1 E N L L D K R H N E L T Q E A K K S G Y N L N P D D T V F T R G L V E G L L I N A  
UniRef90\_M1E8L2 E K L F E L L T K Y A H S K G Q E L N N N L E H T M S I V I R G I L E N E  
UniRef90\_H1Z211 K E T E E K I L A F A E R Y A E K K G F I L N P D R K E L A D V I S G L L S R N K  
UniRef90\_D2BGA8 L Q A R L K R E A E A S G Y H L N P N G D F V K M L A E G L L A N R  
UniRef90\_X1NYP7 I E N L I K N Y Q E Y A Q K N G F K L N P D K G I V E R L V K G L L E N E  
UniRef90\_J1L1K8 K W A E E Y A R Q N G W T L N P D D D K Q L K T V I R G L L A R N T  
UniRef90\_I7KY33 E E G L E A R T R A K Q Y A K E K G F V L N V D E K Q L S A V L R G L L A R N E  
UniRef90\_K4MDR5 K K R M E Q F R T M F Q R V I D P L G Y K F S P D E E I V D F L L E Q E V M L E  
UniRef90\_J1L2V1 D A E I E R E Y L R L K K E A E A G G Y H L S P D R A F V N G L V A G L L A N T  
UniRef90\_A3CYC5 L E L T K Q F T D K V L E E A G G Y H L N P D D R E F T R D L V R G L L A N R  
UniRef90\_G2HYE8 L E L T K Q F T D K V L E E H N L V Y N P D D E V N E S I Q M G L L T R N K  
UniRef90\_Q6AMG7 Q L R D R L A V L A G K K G Y C L N A N R E K T L R L L H A L L L N R  
UniRef90\_F0T743 E Q E V D S Y Y K Q V K A D A E S G G Y H L N S D E E F T K E L L K S I L T N K  
UniRef90\_Q7MRJ5 L Q K T Q K F T D K V I Q Q G F F Y N P D D S E V N E S I Q L G L L T R N K  
UniRef90\_UPI00047B2271 F E L T R Q F T D K V L E E Y N L F Y N P N N E V N E S I Q M G L L A R N K  
UniRef90\_X1RPN0 E T K E G M K E Y V K L I S E K N D W I T N K D Q V T F E D L I D G L L V E N K  
UniRef90\_Q2FP90 E T E E E I R S W A L E Y S R S H G W V L N P D E K Q T P N A V I K G L L S R N S  
UniRef90\_L0KX81 E K R K Q R L R E M F Q R V V D P L G Y K F S P D E E I V D F L L E Q E V M L E  
UniRef90\_O28737 A E K R G W R V N P D R E L L L D F A K A L I Q N K  
UniRef90\_UPI00046945D3 Q E E I D L K Y N E I L L R H A K R G G Y F L N P D E Q F A K D L V K G L I J N D  
UniRef90\_E1RET1 L E D E L F N R L S E D A A S S G Y N L N P D T S F T K S L V R G L L V N E  
UniRef90\_Q3ZA02 E W A S A Y A D Q H D L R L N P D R A Q L K N V L R G L L V R N K  
UniRef90\_X1GX63 L E K T V K F T D K V I S Q F N W A Y N P Q E E I N E G V Q L G L L A R N K  
UniRef90\_B8GGS6 I R K M L N T Y V T N S P Y K L N P D K K I V D R V V K G L L V M R K  
UniRef90\_E4U192 N K E R V L R F I D N A A A H N G W K V V A D K Q L S D L A D G L L A N Y  
UniRef90\_Q1PY24 K E E L E K T K E F T D G V L K L Y E L V Y N P D K E V N E S I Q M G L L T R N S  
UniRef90\_E1R560 E R R K N K L R E L F T R V V D P L G Y K F S P D E E L V D F L L E Q E V M T E  
UniRef90\_A8EVQ1 K E P A K K Q R W M E K Y C E Q N G Y T I N P S W M M A T N L K S N L C E M E  
UniRef90\_B9L7N3 E K T K F V Q K V V D Q F G W C F N P D K E V Y D A L V M G L L T R N K  
UniRef90\_A2SPY1 K E V A E Q I R P S I L E K V A V K K G W V L N E N K D V D S T I E G I A R N K  
UniRef90\_A6DDS2 K T E K F A H R V I N Q F N W K F N P N E E I V E R V L K G L T N N K  
UniRef90\_I1HVX6 D K S V E I M R K F S E Q Y A R K S S T F F C S V T A V V I K G L A D H K  
UniRef90\_H1YWD2 W A E R Y A E K N G W E L N R K D N Q A S V V V K G L A K N R  
UniRef90\_K1ZJ33 E Q L Y T R L K E S Q E K R G Y F F N K D L A L T L D L L R G L L A N R  
UniRef90\_A6UTS1 K N N L I E Y N K V E L F S E Y S G Y L N P D K D Y V L N V L N T Q L K N Q  
UniRef90\_W4LDS7 K K N L D K M Q K V N R F R E Y T G T F G Y P D E K I T D I L V E G L L A G N I  
UniRef90\_E1RIH9 E I E E W A E S Y A D E S G Y K L N K D E Q Q K K A V L K G L A R N K  
UniRef90\_UPI00047C6CDF K N E L E N T K D F T K D V I S Q Y N L V F N P D D E V N E S I Q M G L L T R N M  
UniRef90\_UPI000377C431 N K K L Q E Y Y K V T K N F S E Y Q G Y L N P D D D E Y C L R S V L D A Q L K N E  
UniRef90\_I2K4Q1 K A E M E K T K V F T D K V C E S K G W V Y N S N E E V N E A I I M G L L S R H K  
UniRef90\_A6DDS1 K K Q E E K T K K F V E K V V N Q F G W C I T P N K E V Y D A I V L G L L T R N K  
UniRef90\_F7XKT2 E R K K K L R E L F Q R I I D P L G Y K F N P D E E L V D F L L E Q E V K I E  
UniRef90\_X1IMZ2 N G F K L S P N R E V V E R L I K G M L E N E  
UniRef90\_Q0W0R6 E E F Y E K S Q P L V D Q L G Y K F T P D E E T V D F C L E Q E V R L E  
UniRef90\_L0KZ91 E E F Y E K S K K N A V Q T G Y R L N P D E Y D V V I A V K G I T N N K  
UniRef90\_UPI0003761EA5 E K F A V E G K P F K V N P D K E F V R T L A K G E L E N L  
UniRef90\_K4MFW6 E F Y E R S K K N A E N S G Y R L N S D W D V I T T A V K G I C N N K  
UniRef90\_M0TTN7 D N S V E V M R K F S E P W F A I S N T L L C R Q R S Y W L S L G A L I I E  
UniRef90\_UPI0003725999 M G T A E S L L I N E



	90	100	110
UniRef90_F7XK55	S L F F K R K		
UniRef90_M1P202	G L Y V D S D W N E E K R A R V	H V P E R R P P F	
UniRef90_H1YZ71	G L Y V S E D V A S G K K D V S I I P	D R R L Q V K E S	
UniRef90_F8EXP8	S L Y V S Q S F A V S G K	S P Q G I P E R R	
UniRef90_UPI0003760800	G L F L S P G K A R E G S	P V S Q I P E R R P	
UniRef90_D9PU75	G L Y V D E D V I E F K S I P	E R R N M E K L P	
UniRef90_F4A3E5	G L Y V S Q E I T N G D A Q I Q P I P	E R R R G R N E G	
UniRef90_U6EBW3	G L Y L S K E L L N G E K E	L S A T P E R R P G	
UniRef90_T0L444	G I Y C T P E Y A T K K R L	E M G M E E I P E R R	
UniRef90_X1E7X1	A L Y V S E K V V R G E K	T T D S I P E R R	
UniRef90_C0GJ46	G L F I H K D V E D P S T	L R Q V P A S E V P D	
UniRef90_I5B6Q1	G L Y V S E K V N	N L E M V P E Y V P E R R P	
UniRef90_UPI00037D5DD0	G L Y V T E E Y N	Q E E H G E V A I P E R R P	
UniRef90_A7IAF6	L L Y K K		
UniRef90_K4MJ24	S L F F R		
UniRef90_Q6AL91	T L Y V S A D W Y	T G K I E R Q E V A E R R P	
UniRef90_D7E9L8	A L F F		
UniRef90_Q8Q0S9	E L F F K P		
UniRef90_B8FBH0	N L Y V S K E W N	E G E I E E A Y V P E R R	
UniRef90_I7LL04	A L Y V T A D V S		
UniRef90_D1YX77	G L Y V H K D V T D P N S L K Q I P L S E L E		
UniRef90_B8GKJ2	A L Y V S N	A V L Q G R Q H L E S I P E R R P	
UniRef90_E0URB6	G I F C T P E Y A E K	K R V E L G M E E V	
UniRef90_L0HA13	N L Y F K E		
UniRef90_C0QCE6	G L Y V S K	A Y Q K G Q V E P R Y V P E R R D	
UniRef90_V4JAJ7	A L Y V S K E W N D G I I E E T	Y V P E R R P	
UniRef90_Q0W245	G L Y V S D E V F Q G L K K L A P V P	E R R Q P R E	
UniRef90_M1PW87	G L F V S K E V E N P S K L G S I P		
UniRef90_D3RY64	G L F V S K E V Y E G K K K		
UniRef90_X1G3I8	N L Y L A S N F Y E K G L E	F V N V P E R R P	
UniRef90_S0FVS0	G L Y V S K	A V H N N Q A R V K Y V P E R R P	
UniRef90_D5UZ59	G I F C T K E Y V D S L D N S T K E K E E V		
UniRef90_F2NC76	A L Y V S R	A W N E G T I S R K Y V P E R R P	
UniRef90_F6D1J0	G L Y V S	G K I L S G E D K L T S I P E R R P S	
UniRef90_UPI0003B73F72	G L Y I S Q	A L N D N K I Q S E Y V P E R R P	
UniRef90_X1DQU6	N L Y L R S D F Y E T S K T E Y V N	V P E R R P	
UniRef90_A6Q103	G I F C T P E Y A		
UniRef90_I4C6G2	N L Y V S S E W N R K	E I P Q E Y V P E R R P	
UniRef90_Q469U2	A L Y V S D E V I R G E R S V E S I P E R R P		
UniRef90_D1Z197	G L Y V S E K V Y K G E Q	A L S S I P E S R	
UniRef90_W0EHB2	G L F G R E D Y D F K K A E G K V M H E Y		
UniRef90_Q2FQW1	G L Y V S	D T I A S E N L P A P V V P E R R P	
UniRef90_M1E8L2	G L Y V S H E W N Q N P D K R V	T V P E R R P	
UniRef90_H1Z211	M V F F K K		
UniRef90_D2BGA8	A L Y V N S R I A K G E K Q P Q P	V P E R R	
UniRef90_X1NYP7	G L F V K		
UniRef90_J1L1K8	H L Y F R E K T Q E K		
UniRef90_I7KY33	R L F F K K K S E		
UniRef90_K4MDR5	G L Y V H K D V D D P D E L V Q I S K K E F E A S R N K		
UniRef90_J1L2V1	A L Y V S G E		
UniRef90_A3CYC5	A L Y V T A D V E R G K R A A	P V P E R R P G	
UniRef90_G2HYE8	G I Y C T K E K A E E T K		
UniRef90_Q6AMG7	G L Y V A Q E W D G V E L E Q I	H V P E R R	
UniRef90_F0T743	G L Y V S K I L S G E S E L Q S I P E E E R K K I Q A S		
UniRef90_Q7MRJ5	G I Y C S K E F I E A S		
UniRef90_UPI00047B2271	G I Y C T K D		
UniRef90_X1RPN0	N L Y L R S D F Y E T I N T E	F V V V P E R R P	
UniRef90_Q2FP90	N F F Y D P E Y		
UniRef90_L0KX81	G L Y V H K D V E D P D S L V Q I S R C E F E Q M		
UniRef90_O28737	G L Y L S R E K E P A		
UniRef90_UPI00046945D3	T I F C T P E H A K E L A Q E E D M E E		
UniRef90_E1RET1	G L Y V N E D I S N G E K	P V T A I P E R R D	
UniRef90_Q3ZA02	A L Y V D S Q I A K G E K K P Q P	V P E R R	
UniRef90_X1GX63	A L Y V D E D		
UniRef90_B8GGS6	H L F F N K		
UniRef90_E4U192	Q I F C T P E F A S A K R M E M G I E E V		
UniRef90_Q1PY24	N L F V R		
UniRef90_E1R560	A L F Q S Q K F F D S G E E		
UniRef90_A8EVQ1	G I F C T K E R A K E I A K E N N L E E V		
UniRef90_D7EAM5	G L F V H K D V T D P D K L E Q I S P K E L E K M		
UniRef90_A6Q783	A L F		
UniRef90_B9L7N3	G I F C N P E		
UniRef90_A2SPY1	Y L Y F K K		
UniRef90_A6DDS2	G L F C N E E Y V K N E L N K E N K K E E I		
UniRef90_I1HVX6			
UniRef90_H1YWD2	M L F K K K E		
UniRef90_K1ZJ33	G L Y V S Q E W N	E G T V E H V Y V P E R R P	
UniRef90_A6UTS1	G L Y V S N E Y I E N W K K M D T P L		
UniRef90_W4LDS7			
UniRef90_E1RIH9	N L F F D K		
UniRef90_UPI00047C6CDF	G I F C T		
UniRef90_UPI000377C431	G L Y V S K D Y V K K W K P G E		
UniRef90_I2K4Q1	Q I F C T P E Y R E A		
UniRef90_A6DDS1	G I F C N P N K C E E I K K E		
UniRef90_F7XKT2	Q L Y V H K D V T D P E K L E Q V P F H E I E		
UniRef90_X1IMZ2	G L F V K		
UniRef90_Q0W0R6	G L Y V L K E V T D P E P L R Q I P Y D E F L K K T		
UniRef90_L0KZ91	G L Y I K		
UniRef90_UPI0003761EA5	G L F V K R		
UniRef90_K4MFV6	G L F I K		
UniRef90_M0TTN7			
UniRef90_UPI0003725999	A L Y V S P T V T E E Q L D G P I P	E R R P S	







