

QUERY	1	10	20	30	40
UniRef90_B8PCC0	K T Y P L A G A L R K K G G Y V C I N G R P C K V I D L S V S K T H A K V S L V				
UniRef90_U1MRK6	T F P M Q C S A L R K K N G F H V V M K G R P C K V I E M S T S H G H A K V H L V				
UniRef90_G1QGS0	T F P M Q C S A L R K K N G F H V V M K G R P C K V I I Q M S T S H G H A K V H L V				
UniRef90_H2TZY2	E T Y P A Q C S S L R K K N G F H V V M L K G R P C K V I V N M T T S H G H A K V H L T				
UniRef90_Q8I603	Q T Y P T V Q A G S L R K K N G F H V V M L K E R H P C C C K V I V D Y S T S H G H A K A H L V				
UniRef90_S9PSS3	T T F P M Q C S S L R K K N G F H V V I K G R P C C C K V I V E M S T S H G H A K V N I V				
UniRef90_L7FPK2	T T Y P M Q C S S L R K K G G Y V V I K G R P C C C K V I V E M S T S H G H A K V T Y F				
UniRef90_F2UC19	K T T P I Q C S S L R K K G G F H V V M I K G H A P C C C K V I V D M S T S H G H A K V N M T				
UniRef90_E4XVW7	T T Y P K Q C S S L R K K N G F H V V I K G K A P C C C K V I V D M S T S H G H A K V H M V				
UniRef90_F4PGG2	T T Y P V Q C S S L R K K N G F H V V I N N R P C C C K V I V E M S T S H G H A K V N I T				
UniRef90_V3ZJD4	T T Y P K Q C S S L R K K N E H C L I K G R P C C C K V I V E M T S T S H G H A K V H L T				
UniRef90_F1L9I9	T T F P M Q C S S L R K K N G F H V V M I K G R P C C C K V I V E M S T S H G H A K V H L V				
UniRef90_D2VEX0	T T F P M Q A G N L K K G G F H V V I K E R P C C C K I T E V T T S H G H A K A N I T				
UniRef90_T1GRC9	T T Y P M Q C S S L R K K N G F H V V M L K G H L C C C K V I V E M C A T S H G H A K V H M L				
UniRef90_A0A024UN82	E T Y P M E A G Q V L R K K N G F I M L K G H P C C C K V V V I A T S H G H A K C N F T				
UniRef90_G4VDD2	K T L P K Q C S A L R K K G G F H V V M K D R P C C C K V I V E M S T S K T G A K V H L V				
UniRef90_G9K379	S Y P K Q C S A L R K K N E F V L L K N R P C C C K L V D L S F S A R G H A K V H L V				
UniRef90_G3URP4	T T Y P M Q C S S L R K K N G F V L L K G P A A G T R K F S T S H G H A K V H L V				
UniRef90_UPI000351112E	K T Y P Q Q A G T V R R K N G Y L V I K N R P C C C K V I V E V S T S H G H X K C H F V				
UniRef90_G3UV79	T T Y P M Q C S S L R K K N G F V L L K G Q S P C C C L T C C L L K D R M G P A V H L V				
UniRef90_C5L897	T A P Q Q A G T L R R K K G G F V M L K G K P C C C K I V D I S T S H G H A K A N I T				
UniRef90_D8TW02	T T Y P Q Q A G T V R R K N G Y I V I S G R P C C C K V I V D V S T S H G H A K C N F V				
UniRef90_R7V1D9	E S V P I Q C S A L R K K G G F H V V I K G K A P C C C K V I V E M S T S H G H A K V H L V				
UniRef90_R7QK48	T T V P V Q A G A L K K G S H V V I K G F P C C C K I I D Y S T S H G H A K A N I V				
UniRef90_W5G2G0	K T Y P Q Q A G T I R R K N G Y L V I K N R P C C C K V I V E V S T S H G H A K C H F V				
UniRef90_G0QPZ5	F P M Q A G N I K K S G F M V F R G Q P C C C K I V K M L T S H G H A K V H L V				
UniRef90_A7WQ41	Y P Q Q A G E I R R G S H I M L K G H P C C C K V A E V S T S H G H A K A H I V				
UniRef90_U1I301	T T P T Q C S A L R K N G Y V C M E D R P C C C K I V I E M S T S H G H A K V H L T				
UniRef90_G3TY23	T N P M Q C S A L R T N G F V L L K G P P C C C K I V I E M S T S H G H A K V H L V				
UniRef90_UPI00032ABFA8	K T Y P Q Q A G T I R R K N G Y V V I R G R P C C C K V V E V A T S H G H A K C H F V				
UniRef90_F8QQJ3	T T P I Q C G D L R K K G S F V M I K G K P C C C K I V D Y S T S H G H A K A H I V				
UniRef90_UPI000328F258	T T Y P M Q C S A L R K K N G F M V L K G R P C C C K I V I E M S T K H G H A K V H H V				
UniRef90_C1GNZ6	T T F P M Q C S S L R K N G Y V V I K N R P C C C K I I G E M S T S H G H A K V H L V				
UniRef90_G3S060	T T Y P M Q C S T L R K S G F M V F R G Q P C C C K I V K M L T S H G H A K V H L V				
UniRef90_A0A058Z4U1	T T Y P V Q C S S L R K K N G L V I T K D R P C C C K I T D M S T K H G G A K V N M T				
UniRef90_L8GRX0	T V P S Q A S G I L K K N G Y M L I K G R P C C C K V V D C S T S K T G A K V H F T				
UniRef90_I1F361	T C P V K C S S L R K K G G Y A M L K G F P C C C K I M E L S K A H G H A K M H L I				
UniRef90_D5JG61	T V P Q Q M S A F R K K N G Y H I M L K D R P C C C K I V I E M S T S K T G A K V H I V				
UniRef90_A0CS94	T T Y T E S A G S L R K K N G Y I M L K G H P C C C K I I D V S T S H G H A K A S I V				
UniRef90_R1DSV0	E S Y P I E A G Q I R K K G G F I M I K G R P C C C K V S D V T S H G H A K C H F V				
UniRef90_K8E179	K T V P M Q A G S V L R K K G G Y I V I K G K A P C C C K I I D V S T S H G H A K C H F V				
UniRef90_M1UX34	P I Q A G A V K K G G Y V I K G Q P C C C K C V D V S T S H G H A K A N I V				
UniRef90_G5B6H4	Y P V Q C S D L H K N G F V V F E G Q P C C C K T V K M S T S K T H A K V Y L V				
UniRef90_UPI0003318143					
UniRef90_B8BWG4	T I P M E A G Q I K K G G Y I M I K R G K P C C C K V L S I S V S H G H A K C N F T				
UniRef90_A0A024GN65	T Y P S E A G Q I R K K G G F I M L K R Q P C C C K V V N V S T S H G H A K C N F T				
UniRef90_V6T936	Y P K Q A G N L K K G G Y L V M K D F P C C C K V V T E I S T S H G H A K C I T				
UniRef90_A0A023B5E7	T R P I Q A G N V K K G G F A M L K G R P C C C K R V V E V S T S H G H A K A S I V				
UniRef90_W7U6Y6	F P S E A G Q I K K G G Y I M I K G R P C C C K V V N V S T S H G H A K A N F T				
UniRef90_K7X6Z0	I P I L C S A L R K K N G Y V I M K G R P C C C K I V D A S S S H G S A K V N F V				
UniRef90_G7Y8H0	T K P Q C S S L R R V N G F V M K G R P C C C Q I T S M S V S K T G A K V H L V				
UniRef90_W5H119	K T Y T Q K A G T I R R N G Y I V I D N R P C C C K V I V E V S T S E T G G S C H F V				
UniRef90_A7WQD8	T K P I S C G D L K K G G Y H V I K G H P C C C K L S D L S F S H G S A K G H M F				
UniRef90_K7MTC2	K T Y P Q Q A S T I H K N D Y I V I K G R P Y K P C C C K I S D L S F S H G H A K C H F V				
UniRef90_F2HHX1	T V P I Q A G I L K K G S Y A I L K G Y P C C C K V T E I S T S H G H A K A S I T				
UniRef90_K3ZDK9	K T Y P Q Q A G T V R K N G Y L V I K N R P C C C K V T E I S T S H G H A K C H F V				
UniRef90_Q249Q0	T T Y P M Q V A N V R K N G Y A I L K G F P C C C L V T E I T T G K G G K C H I I				
UniRef90_R7V265	T V P Q K C S S L R K S G F A L L K G N P C C C K I I T E M N T S H G H A K I H L V				
UniRef90_E1QUT4	T K P T E A G S V L K E G S Y I M I D G E P C C C K V I E V E K S H G S A K V R I V				
UniRef90_B0E5W7	T I P T K A G S V L K I G G F V I I E K F P C C C K I T E F N K T H G H A K V T L T				
UniRef90_L1JPR7	P I E A G A A R K K G G F L V I K G Q P C C C K I V D V S K A H G A A K C H F V				
UniRef90_H0B575	T H A V R A S E L R K K D G F V V L K G F P C C C K I V E V L A T T G G Q V K L V				
UniRef90_D8M2H5	T E A L K A G K I R K K D G F V V L S G K P C C C K V A E V S T S H G H A K A T I V				
UniRef90_U6IUA7	P M T C G E I R K N C Y V I I K G R P C C C K I V D T S S S K T G A K V N F V				
UniRef90_C3Y761	T Q A S A L R K Q D E Y V M L K E R N P C C C K I V G L T S S H G H K V T I V				
UniRef90_Q98RY8	E T T P I K A G N C K K G G L V I K G N P C C C K I I D I S T S H G H A K A I I T				
UniRef90_A0A024YLH0	T T F P M R A G A L R R N G F H V L V D G V V R L T D V S I S H G P T E V I H L A				
UniRef90_C3Y721	T Y S T Q A F A L R K N G Y V M L K D R P C C C K I V I E I S T T H G G A K V I V				
UniRef90_P56635	T K Y V E A G E L R K E G S Y V V I D D G E P C C C K R V V E I E K S K T G G A K A R I V				
UniRef90_V6LRT5	S Y P K A A G E L G K G G Y L V I Q D D K P C C C K I S E Y S S S H G H A K A S I T				
UniRef90_B5IFF8	V E V R E L K V G G Y M V V D D G E P C C C K I V I E M T S S R K P G A K A R I V				
UniRef90_A0A017RZT7	S D L R V K N G F H V V I K G N P C C C K I V D M S T S R T G S K T H I N				
UniRef90_D2V8H5	Q T H P I Q V G N I K K G S H V I I Q G F P C C C K V I D F A C H G S S K M H L T				
UniRef90_Q8TXD5	T T P M E V R Q L R K K G K Y I M I D D E P C C C K I V E Y T T S H G S A K A R I V				
UniRef90_D3BPB3	T T P M Q S Q L R I G K Y C L F Q H P C C C K V V D M S S G T G A K I H F V				
UniRef90_A1RX88	T R P E A S G N I K V G S F I V I D G E P C C C K V V E V I E K S K T G A K A R I V				
UniRef90_U6HRE2	P I Q C G A I K K N S Y V I I K E K P C C C K I V I E V I T S H G S A K I N F V				
UniRef90_Q249Q2	T Y T M Q A N I K K N S Y A I L K G F P C C C L V T E I T T G S G R K V I F				
UniRef90_G0EEJ4	T Y A T V G D L K V G S Y V I I D G E P C C C R I V I E I S K A K T G A K A H I V				
UniRef90_Q2V9X4					
UniRef90_W5N8S5	T T F P M Q C S A L R K N G F V V L K G R P C C C K V I V E M S T S H G H A K V E L R				
UniRef90_UPI000362B07F	T R P A E L G E I K E G S N V V I D G E P C C C R V V E V I E R S H G S A K V I V				
UniRef90_E9I3Y1					
UniRef90_UPI000363ADAA	T K P V E L G S L R K K G G Y C M L K G N P C C C R I V S T T A H G S A K A T I V				
UniRef90_D2RDG5	V Q A E V R Q L K K E G G Y V I I D D E P C C C E I V S T I S V S H G A A K A R I E				
UniRef90_A2DEK5	T I P V N K L K K G G Y V L I E G R P C C C R V V D L T K S H G H A K A G I A				
UniRef90_UPI0004549BC7	T T F P M Q C S A L C K N G F V X R Q V P C C C R G S K K A M R X G Y A K M M I Q				
UniRef90_E6N737	S K P V E L G S L K E G H N I V I D G E P C C C R I V I E V I E K S H G S A K V R L V				
UniRef90_Q5V103	Q T E V R E L D E G S Y V M I E D T P C C C K I N S Y S T A H G S A K A R I V				
UniRef90_P28461	P V E L G D L K V G S Y V M I D G E P C C C R V V E I T K A H G S A K A N V V				
UniRef90_G3C9G3	P V E L G D I K E G A F V V I E D E P C C C R V V E V I E K S H G S A K V R L V				

QUERY	A	T	D	I	F	T	G	N	R	L	E	D	Q	A	P	S	T	H	N	V	E	V	P	F
UniRef90_B8PCC0	G	I	D	I	F	T	G	K	K	L	E	D	I	S	S	S	T	H	N	M	D	V	V	F
UniRef90_U1MRK6	A	L	D	I	F	T	G	K	K	L	E	D	I	C	C	P	S	T	H	N	M	D	V	V
UniRef90_G1QGS0	G	T	D	I	F	T	G	K	K	Y	E	D	I	C	C	P	S	T	H	K	M	D	V	V
UniRef90_H2TZY2	G	I	D	I	F	T	S	K	K	Y	E	D	I	C	C	P	S	T	H	N	M	D	V	V
UniRef90_Q8I603	G	I	D	I	F	T	G	R	K	Y	E	D	I	C	C	P	S	T	H	N	M	D	V	V
UniRef90_S9PSS3	A	L	D	I	F	T	G	R	K	Y	E	D	V	S	P	S	T	H	N	M	E	V	V	V
UniRef90_L7FPK2	G	Y	D	I	F	T	G	K	R	L	D	D	A	C	C	P	S	T	H	N	V	E	V	V
UniRef90_F2UC19	A	V	D	I	F	T	G	K	K	H	E	D	M	C	C	P	S	T	H	N	M	N	V	V
UniRef90_E4XVW7	A	L	D	I	F	D	N	K	K	L	E	D	I	C	C	P	S	T	H	N	M	E	C	V
UniRef90_F4PGG2	G	I	D	I	F	S	G	K	K	Y	E	E	I	C	C	P	S	T	H	N	I	D	V	V
UniRef90_V3ZJD4	G	I	D	I	F	N	G	K	K	Y	E	D	I	C	C	P	S	T	H	N	M	N	V	V
UniRef90_F1L9I9	A	I	D	I	F	T	G	K	K	L	E	D	I	C	C	P	S	T	H	N	M	D	V	V
UniRef90_D2VEX0	G	I	D	I	F	T	G	R	K	Y	E	D	V	C	C	P	S	T	H	N	M	P	V	V
UniRef90_T1GRC9	G	I	D	I	F	T	N	E	K	Y	E	D	I	F	S	S	T	H	N	M	D	V	V	V
UniRef90_A0A024UN82	A	L	D	I	F	T	N	K	K	Y	E	D	L	V	P	S	S	T	H	N	C	S	V	F
UniRef90_G4VDD2	G	L	D	I	F	T	G	K	K	Y	E	E	N	R	T	S	S	T	H	T	M	D	V	V
UniRef90_G9K379	G	T	D	L	F	T	N	K	K	F	E	D	V	C	C	P	S	T	H	N	M	N	V	V
UniRef90_G3URP4	G	I	D	I	F	N	G	K	K	Y	E	D	I	C	C	P	S	T	H	N	M	D	V	V
UniRef90_UPI000351112E	A	S	D	I	F	N	G	K	K	L	E	D	I	V	P	S	L	H	N	C	D	V	V	V
UniRef90_G3UV79	G	L	D	I	F	N	G	K	K	Y	E	D	I	C	C	P	S	T	H	N	M	D	V	V
UniRef90_C5L897	G	L	D	I	F	T	G	R	K	Y	E	D	L	C	C	P	S	T	H	N	M	E	V	V
UniRef90_D8TW02	G	I	D	I	F	T	N	K	K	Y	E	E	M	A	P	S	S	T	H	N	V	E	V	V
UniRef90_R7V1D9	G	I	E	I	F	T	G	K	K	F	E	D	V	C	C	P	S	T	H	N	M	M	V	V
UniRef90_R7QK48	G	I	D	I	F	T	G	K	K	Y	E	D	I	S	P	S	S	T	H	N	M	M	S	V
UniRef90_W5G2G0	A	I	D	I	F	T	G	K	K	L	E	D	I	V	P	S	S	T	H	N	C	D	V	V
UniRef90_G0QPZ5	G	V	D	I	F	T	G	K	K	Y	E	D	S	C	C	P	S	T	H	N	M	E	I	F
UniRef90_A7WQ41	A	L	D	L	F	T	N	K	K	Y	E	D	L	C	C	P	S	T	H	N	V	E	V	V
UniRef90_U1I301	G	I	D	I	F	T	G	K	K	Y	E	D	L	S	P	S	T	H	P	M	K	V	V	V
UniRef90_G3TY23	G	I	D	I	E	M	V	K	K	Y	E	D	I	C	C	P	S	T	H	K	M	D	A	V
UniRef90_UPI00032ABFA8	G	I	D	I	V	T	A	E	K	L	E	D	I	V	P	S	S	T	H	N	C	D	V	V
UniRef90_F8QQJ3	A	V	D	L	F	T	K	K	K	L	E	D	L	C	C	P	S	T	H	N	M	A	Q	V
UniRef90_UPI000328F258	V	T	D	T	F	T	S	K	K	Y	E	V	I	C	C	P	S	T	H	N	L	D	V	V
UniRef90_C1GNZ6	A	I	D	I	F	T	S	K	K	L	E	D	L	C	C	P	S	T	H	N	M	D	V	V
UniRef90_G3S060	G	I	A	V	F	M	G	K	K	E	E	D	L	C	C	P	S	S	V	H	N	V	D	V
UniRef90_A0A058Z4U1	A	V	D	I	F	T	G	R	K	Y	E	E	S	A	M	S	T	M	N	M	D	V	V	F
UniRef90_L8GRX0	A	I	D	I	F	N	G	K	K	Y	E	E	I	S	P	S	T	H	T	L	Q	V	V	V
UniRef90_I1F361	G	L	D	V	F	T	G	R	K	H	E	D	I	C	C	P	S	T	K	E	N	L	E	V
UniRef90_D5JG61	A	L	D	I	F	S	G	K	K	Y	E	D	I	C	C	P	S	T	A	N	K	D	K	V
UniRef90_A0CS94	G	K	D	I	F	T	N	K	T	Y	E	D	S	A	P	T	S	H	N	I	D	V	V	F
UniRef90_R1DSV0	A	I	D	I	F	T	G	K	K	L	E	D	L	V	P	A	S	H	T	T	Y	A	V	F
UniRef90_K8E179	A	E	D	I	F	T	G	K	R	C	D	E	L	V	P	A	G	H	N	L	E	V	V	V
UniRef90_M1UX34	G	L	D	I	F	T	G	K	K	Y	E	D	V	A	P	S	T	H	T	M	Y	Q	V	V
UniRef90_G5B6H4	G	I	A	I	F	T	R	K	K	Y	E	D	S	G	P	S	T	Y	N	T	D	I	V	V
UniRef90_UPI0003318143	G	I	D	I	F	T	G	K	K	Y	E	D	I	C	C	P	L	T	H	N	M	D	V	V
UniRef90_B8BWG4	A	V	D	I	F	T	G	K	K	L	E	D	M	V	P	S	S	T	H	G	T	T	V	V
UniRef90_A0A024GN65	A	L	N	I	F	T	N	K	K	L	E	D	I	V	P	S	T	H	T	T	E	V	V	F
UniRef90_V6T936	A	V	D	I	F	T	G	K	K	Y	E	D	S	C	C	P	S	S	H	N	I	M	C	V
UniRef90_A0A023B5E7	G	I	D	I	F	T	A	K	K	L	D	E	N	C	P	S	T	H	N	M	L	E	V	V
UniRef90_W7U6Y6	A	I	D	I	F	N	G	K	K	V	E	D	V	V	P	T	T	H	T	T	Y	V	V	V
UniRef90_K7X6Z0	G	I	D	I	F	T	N	K	K	Y	E	E	C	R	P	S	T	H	T	V	Y	Q	V	V
UniRef90_G7Y8H0	G	V	D	I	F	T	G	K	K	Y	E	L	Q	D	S	S	T	A	T	I	A	V	V	V
UniRef90_W5H119	A	I	D	I	F	T	A	E	K	F	E	Y	S	V	S	S	T	S	D	N	C	Y	V	V
UniRef90_A7WQD8	G	I	D	I	F	T	G	R	K	Y	E	D	V	Q	P	G	S	H	A	A	M	E	V	F
UniRef90_K7MTC2	G	I	D	I	F	T	T	K	K	L	E	D	I	V	P	S	S	T	H	N	C	D	V	V
UniRef90_F2HHX1	G	L	D	I	F	T	G	K	K	Y	Q	D	L	S	P	S	T	H	N	V	M	Q	V	V
UniRef90_K3ZDK9	A	S	D	I	F	N	G	K	K	L	E	D	I	V	P	S	L	H	N	C	D	V	V	V
UniRef90_Q249Q0	G	I	D	I	F	T	G	K	K	Y	E	E	L	C	P	L	L	H	N	I	E	I	V	F
UniRef90_R7V265	G	L	N	I	F	S	E	K	K	V	D	D	I	C	V	S	T	H	N	M	Q	V	V	V
UniRef90_E1QUT4	G	I	G	V	F	D	N	V	K	R	T	L	I	V	P	A	D	A	Q	V	E	V	V	V
UniRef90_B0E5W7	G	I	D	V	F	T	G	K	K	Y	T	D	C	C	C	P	A	H	S	N	I	D	V	V
UniRef90_L1JPR7	G	I	D	I	F	T	S	K	K	Y	E	A	I	C	P	A	S	A	Q	L	S	E	V	V
UniRef90_H0B575	G	I	D	I	L	T	G	K	K	Y	E	D	T	V	S	G	T	A	D	M	D	V	V	V
UniRef90_D8M2H5	G	I	D	I	F	T	G	R	K	Y	E	T	I	C	P	S	T	H	S	V	E	A	V	V
UniRef90_U6IU7	G	I	D	I	F	T	G	K	R	L	E	G	H	P	S	S	T	H	T	V	Y	A	V	V
UniRef90_C3Y761	G	V	D	V	F	T	G	Q	E	Y	Q	D	V	V	P	L	T	E	N	C	E	V	V	L
UniRef90_Q98RY8	A	V	D	I	F	T	G	K	K	Y	Q	E	S	A	P	T	S	H	N	L	D	Q	V	V
UniRef90_A0A024YLH0	G	V	D	V	F	T	G	E	K	H	E	D	V	H	P	S	S	R	D	V	E	V	V	V
UniRef90_C3Y721	G	V	D	I	F	T	G	D	E	Y	K	D	V	F	P	G	L	H	K	C	D	V	V	V
UniRef90_P56635	A	V	G	V	F	D	G	K	R	T	L	S	L	P	V	D	A	Q	V	E	V	V	V	V
UniRef90_V6LRT5	A	I	D	I	F	T	G	K	K	Y	E	D	S	C	P	T	S	H	N	V	N	C	V	V
UniRef90_B5IFF8	A	I	G	V	F	D	G	Q	K	R	S	L	V	Y	P	V	K	H	K	V	K	V	V	V
UniRef90_A0A017RZT7	G	V	N	I	F	T	G	K	K	F	E	D	I	F	L	Q	S	Q	T	V	D	V	V	V
UniRef90_D2V8H5	A	S	D	I	F	T	G	R	K	Y														

UniRef90_E3GWR8
UniRef90_R4VTS6
UniRef90_G7WK82
UniRef90_Q58625
UniRef90_K0INM0
UniRef90_R7VU23
UniRef90_LOACJ0
UniRef90_M9LWJ3
UniRef90_Q0W941
UniRef90_U6E9S7
UniRef90_T0ZW76
UniRef90_R9SJV1
UniRef90_A0A031LMA4
UniRef90_J9IW14
UniRef90_A2SQJ6
UniRef90_X0VM43
UniRef90_D5U2V2
UniRef90_D1JF18
UniRef90_A6UVH4
UniRef90_B1L7A5
UniRef90_D3DZ42
UniRef90_T1C1Q2
UniRef90_UPI00036320C7
UniRef90_C3N5B1
UniRef90_E0SNQ6
UniRef90_Q3IN38
UniRef90_A7I807
UniRef90_F4PVL0
UniRef90_O26955
UniRef90_L0IF24
UniRef90_M0CS14
UniRef90_UPI0001CE0AC7
UniRef90_L0KTK6
UniRef90_A9AAZ2
UniRef90_I3TC78
UniRef90_UPI00029AFBD4
UniRef90_W9DXS1
UniRef90_A8ABK3
UniRef90_UPI0002C3D587
UniRef90_F8ALC1
UniRef90_I0A297
UniRef90_X1IW78
UniRef90_M4YN66
UniRef90_U1GB32
UniRef90_U4L898
UniRef90_V6AQ92
UniRef90_B8NVW1
UniRef90_UPI000375D67F
UniRef90_UPI0002657E80
UniRef90_UPI000443FE07
UniRef90_L8HG61
UniRef90_K3W0L4
UniRef90_I8TTE4
UniRef90_Q5FY66
UniRef90_K0R1R2
UniRef90_UPI0001D5621F
UniRef90_X1BVV8
UniRef90_B3TK36
UniRef90_Q8TJ03
UniRef90_F9X534
UniRef90_V5IIW7
UniRef90_W4YQ03
UniRef90_F4RR19
UniRef90_UPI0003F0AB24
UniRef90_G3HBA2
UniRef90_C1EED3
UniRef90_UPI0003DE82FB
UniRef90_C1MYJ5
UniRef90_G0QHX0
UniRef90_Q26571
UniRef90_I1Q996
UniRef90_F2DTW2
UniRef90_D2V8F6
UniRef90_UPI0002C31C13
UniRef90_UPI00035C3751
UniRef90_G0QBX5
UniRef90_X0Y3D9
UniRef90_A0A017SN31
UniRef90_Q2H8A0
UniRef90_C7ZGG4
UniRef90_Q9P8K9
UniRef90_C7DGL3
UniRef90_B0EK20
UniRef90_W5FN08
UniRef90_UPI00032AA0C1
UniRef90_A9U3B9
UniRef90_Q5YEV5
UniRef90_Q2NEM4
UniRef90_E5SDS2
UniRef90_A5B260
UniRef90_L8FVB3
UniRef90_X1NSA6

1 10 20 30 40

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

K T Y P Q Q A G T I R K N G Y I V I K N R P C C K V S R T S A H
K T Y P Q Q A G T I R K N G Y I V I K N R P C C K V S L L T T K H G H A K C H L L
T I S K R V S L I I K L R P Y M I I K V L T K H G H A K C H L L
I E G S H V K P G T Y L M L K G R P T S V V K A T F A H G H V K C N I E
T K V A E I K T L K Q G K Y L V L G G E A S K I T S T K H G A A K A R I V
M S T S H H G H A K V H L V
R S S R T G T L S L S L A L C H H F V
T I T P T N H V R I G D I V I L Q G R A S Q V I K I T T S P A T G Q H R F L
K H G H A K A K V D

		50	60
UniRef90_E3GWR8	A	I	V
UniRef90_R4VTS6	G	V	V
UniRef90_G7WK82	A	V	G
UniRef90_Q58625	G	I	G
UniRef90_K0INM0	A	V	G
UniRef90_R7VU23		A	K
UniRef90_LOACJ0	A	V	S
UniRef90_M9LWJ3	A	T	D
UniRef90_Q0W941	A	I	G
UniRef90_U6E9S7	A	I	G
UniRef90_T0ZW76	A	V	G
UniRef90_R9SJV1	A	I	G
UniRef90_A0A031LMA4	A	I	S
UniRef90_J9IW14	G	I	D
UniRef90_A2SQJ6	V	V	G
UniRef90_X0VM43	A	V	G
UniRef90_D5U2V2	A	I	S
UniRef90_D1JF18	G	L	G
UniRef90_A6UVH4	A	M	G
UniRef90_B1L7A5	A	R	G
UniRef90_D3DZ42	A	V	G
UniRef90_T1C1Q2	A	I	G
UniRef90_UPI00036320C7	A	V	G
UniRef90_C3N5B1	A	I	G
UniRef90_E0SNQ6	A	L	G
UniRef90_Q3IN38	G	T	G
UniRef90_A71807	A	V	G
UniRef90_F4PVL0	C	Q	D
UniRef90_O26955	A	V	G
UniRef90_L01F24	A	K	G
UniRef90_M0CSI4	A	E	G
UniRef90_UPI0001CE0AC7		M	K
UniRef90_L0KTK6	A	V	G
UniRef90_A9AAZ2	A	V	G
UniRef90_I3TC78	A	I	G
UniRef90_UPI00029AFBD4	A	V	G
UniRef90_W9DXS1	V	I	G
UniRef90_A8ABK3	A	I	S
UniRef90_UPI0002C3D587	G	I	D
UniRef90_F8ALC1	A	I	G
UniRef90_I0A297	A	I	G
UniRef90_X1IW78	C	V	G
UniRef90_M4YN66	A	T	D
UniRef90_U1GB32	G	V	D
UniRef90_U4L898	G	V	D
UniRef90_V6AQ92	G	V	G
UniRef90_B8NVW1	A	R	D
UniRef90_UPI000375D67F	G	I	S
UniRef90_UPI0002657E80	G	A	D
UniRef90_UPI000443FE07	G	I	D
UniRef90_L8HG61	G	L	D
UniRef90_K3W0L4	G	V	D
UniRef90_I8TTE4	G	F	D
UniRef90_Q5FY66	G	V	D
UniRef90_K0R1R2	A	T	D
UniRef90_UPI0001D5621F	G	I	A
UniRef90_X1BVV8	C	V	G
UniRef90_B3TK36	G		
UniRef90_Q8TJ03	A	I	G
UniRef90_F9X534	G	V	D
UniRef90_V5I1W7	G	L	D
UniRef90_W4YQ03	V	I	N
UniRef90_F4RR19	Y	S	D
UniRef90_UPI0003F0AB24	G	I	D
UniRef90_G3HBA2	G	P	N
UniRef90_C1EED3	A	I	D
UniRef90_UPI0003DE82FB	G	K	D
UniRef90_C1MYJ5	A	R	G
UniRef90_G0QHX0	A	R	G
UniRef90_Q26571	G		
UniRef90_I1Q996	A	K	D
UniRef90_F2DTW2	G	V	D
UniRef90_D2V8F6	G	V	D
UniRef90_UPI0002C31C13	A	I	G
UniRef90_UPI00035C3751	G	L	S
UniRef90_G0QBX5	A	R	G
UniRef90_X0Y3D9	A	T	S
UniRef90_A0A017SN31	G	V	D
UniRef90_Q2H8A0	G	V	D
UniRef90_C7ZGG4	G	V	D
UniRef90_Q9P8K9	G	V	D
UniRef90_C7DGL3	A	I	G
UniRef90_B0EK20	G	L	D
UniRef90_W5FN08	G		
UniRef90_UPI00032AA0C1	A	I	D
UniRef90_A9U3B9	A	K	D
UniRef90_Q5YEV5	A	V	G
UniRef90_Q2NEM4	A	V	G
UniRef90_E5SDS2	G	I	D
UniRef90_A5B260	G	I	D
UniRef90_L8FVB3	G	V	D
UniRef90_X1NSA6	A	I	G

