

QUERY	1	10	20	30	40
UniRef90_A5E634	D D K	V K K E	V G R A S W K Y F H T	L L A R F P D E P T P E E R E K L	H T F I Q
UniRef90_J6F0H5	N E T L	K Q E L	G R S S W R L F H T I L A R Y P D K P S P Q E Q T T L	S T Y I Q	
UniRef90_X8IVL9	N A T A K A E	L G R G S S W R L L H L M T L R Y P D H P T P D D R A A L	K S F F H		
UniRef90_B6QEX7	N E T A K A E	L G R A T W K L M H T M T L R F P D P T K Q E Q T T L	R S F F V Y		
UniRef90_Q6CAZ8	N E T L	K A E L G R A S W K L F H T I A A Q Y P E T P T K Q E Q T T L	I Y		
UniRef90_M5E9G6	N A T A K A E	L G R A S W R L F H T I M M A R Y P K E P T L E E Q E A L	R E F L H		
UniRef90_S8AKV4	N E T L	K A E L G R A S W R L L H T M L A R F P E K P S P D E R D A L	K S Y I Y		
UniRef90_S7ZAE3	N A T A K A E	L G R A T W K Y F H T V M A R F P E K P T E D Q Q D A L	R S Y I H		
UniRef90_G9NYK6	P P D V E	T L G R S T W T L L H S I A A S Y P E T P S Q T Q R S D L	L S F V G		
UniRef90_M5FZK9	N E T A K A E	L G R A A W R V L H L V I L R Y P E K P T P D Q R D T L	K S F F Y		
UniRef90_A0A024JHS4	N E T L	K A E L G R A S W K L F H T I L A Q Y P V K P T E N E R E T L	S S Y I Y		
UniRef90_J3K769	N A T A K A E	L G R A S W R L L H T M M A R F P E S P S K E E Q D A L	R S Y I Y		
UniRef90_L7I6W1	P A D V E	T L G R G T W T L L H T I A A Q Y P E R P T Q T E Q S D L	A G F M R		
UniRef90_C9SAQ1	N A T A K A E	L G R A S W K F L H T M M G R F P D K P S P E E S L T L	K T F T		
UniRef90_M1W4B6	N A T L	K A E L G R A T W K F L H T M V A K P D K P S D S D R K T L	E S F F H		
UniRef90_J4KM63	N A T L	K A E L G R A T W R F L H T M A A R F P D K P T K D E Q T T F K S F E	H E		
UniRef90_M3ZGW2	P L D R E E	L G R S T W S F L H T M A A Y Y P D H P S S I Q Q Q D M G Q L I N			
UniRef90_C7YYF6	N A T L	K A E L G H A T W K F L H T M M A R F P D K P T K D D R M A L E T F M H			
UniRef90_UP10004560348	N A T A K A A	L G R S T W H F L H T M T L R F P D K P T K E Q R K T L	Q T F F E		
UniRef90_F4RLK6	N A T A K A E	L G R A T W K F M H T M T Q R F P E H P T P D E R A A L	K S F F Y		
UniRef90_G4TLH5	N E T A K A Q	L G R A T W K L L H T M T L R Y P E K P T E D E R E A L	K S Y F Y		
UniRef90_C3ZTT7	P L D R E E	L G R N T W S F M H T M A A Y Y P D D K P S H T Q Q Q E M S Q F I H			
UniRef90_L8G1N8	N A T I K A E	L G N A A W K L L H T M M A K F P D Q P T E E D S T S L	K S F V Y		
UniRef90_G9NNJ6	N A T L	K A E L G R A T W K F M H T M V A R F P E E P T E R K T L	E S F F V Y		
UniRef90_U9SY04	P P D S E Q	L G K A T W T F L H T M A A Y Y P E V P S Y K Q Q R N M R K F L D			
UniRef90_G3AUT3	N A T L	R A E L G R S T W K L F H T I L A R Y P E K P N N L E R K T L	E T F I Q		
UniRef90_UP10004412A86	N A T A R A E	L G R A T W K M H T M T L R F P E E P T A E E R E A L	N Q Y F Y		
UniRef90_UP10002B437AC	P L D S E Q	L G R S T W A F L H T M A A Y Y P D R P S R A Q Q K E M R D F I H			
UniRef90_W3XSQ1	N A T L	K A E L G R A A W K V L H T M M A K F P D E P S E D D Q L A L K S Y I Q			
UniRef90_G3HBQ2	P P Q D R E E	L G R H T W A F L H T L A A Y Y P D M P T P E Q Q R D M A Q F I H			
UniRef90_T5A8C8	N A T L	K A E L N A E L G R A T W K F L H T V A A K Y P E K P T P G H R K T F E L F F L			
UniRef90_K5W3A6	N E T A K A A	L G R A T W K L L H T V T L R F P E N P T D E R E A L L D S Y I R			
UniRef90_D8UJW1	P P D T W Q L	G R A T W T F L H S M A A A Y Y P E Q P S P R Q E L M R Y M M E			
UniRef90_F6VRK1	P L D R E E	L G R S S W S F L H T M A A Y Y P D Q P T N Q Q Q E M R S F I N			
UniRef90_F2ULJ9	P V N R R E	L G R A S S W A F L H T M A A Y Y P E K P S R Q E Q D R M R D F M H			
UniRef90_E5R0B2	N S T V K A E	L G R S S W H L F H T V M A R Y P E K P T G E E Q R A L S A Y V Y			
UniRef90_E9C6W8	P A D S V E	L G R S T W T F L H T M A A Y Y P D K P S E K Q Q S D M S N F L T			
UniRef90_K1S132	P L D K D S	L G R S T W A F L H T M A A Y Y P D K P T S N Q Q N D M S Q F I H			
UniRef90_B2VZK7	N A T A K A E	L G R A A W K V L H T T F A R F P E K P T E D E Q E A L R S Y V H			
UniRef90_W1Q7R4	N E T L	K A E L G N A S W K L F H T I L A R Y P E T P T P E Q K K Q H L A D Y I R			
UniRef90_I2JWA6	N A T L	K A E L K E L G N A S W K L F H T I L A R Y P D E P T D A Q K S H L R T Y I Y			
UniRef90_C5E118	D Q E A K K E	L G R A S W K Y F H T I L A R Y P D E P T P E E Q E Q Q S D L K S F V N			
UniRef90_W6MIC4	P P D V E Q	L G R S S W T L L H S I A A T Y P E T P S Q E P T D E R E A L I N T Y L H			
UniRef90_C4Y469	N D T L	K A Q L G N S A W H L H T V L A R Y P D E P T N K Q K D M Q F L N			
UniRef90_Q75BU6	D P T A K Q E	L G R A T W K L F H T M I L A R F P D E P S E Q E R E K L H T F L H			
UniRef90_U4L3N5	N E T I K A E	L G R A S W K L L H T T L S R Y P V S P T P D E R E A L I N T Y L H			
UniRef90_G3A148	D P P D V T V	L G R S S W T L L H S I A A T Y P E E P T N K Q K D M Q F L N			
UniRef90_S2IVQ4	N K T E A R E	L G R A T W K F L H T M M A R Y P E K P S K E E R K S L H D F M M Y			
UniRef90_M7WRP1	N A T A K A E	L G R A S W K L L H T M A A R F P E K P T E N E R D T F K S F L Y			
UniRef90_Q7S4N9	P A D V E	T L G R S S W T L L H S I A A T Y P P P A P T P S E Q N D L K S F F M S			
UniRef90_W4K149	P P D V E Q	L G R A T W T F L H T T A A Y Y P D K P S T H Q R A T T M L S L L H			
UniRef90_G3MJ32	P P D R S E	L G R C T W S L L H S V A A Y Y P D K P S T H Q R A T T M L S L L H			
UniRef90_M1WE82	P P D V E	T L G R G T W T L L H S I A A T Y P E P M P S K S Q S D M M S F V K			
UniRef90_D5GN06	N E T L	K A E L G R A G W K L F H T M T L A R F P E S P S L D E R T A L A Q Y L A			
UniRef90_V2XZC6	P P D V E E	L G R A T W T F L H S T A A Y Y P T K P T P T Q R A N M I S L L I R			
UniRef90_D6WEU0	P L D K D E	L G R S S W G L L H T I A A K Y P E N P T R T D T D Q R D M K E M M R			
UniRef90_F2UFQ1	P E D S F T	L G R K S W S L L H T M A A Y Y P D T P T D T D Q R D M K E M M R			
UniRef90_G3J3V0	P P D V E I	L G R S S W T L L H T I A A T Y P D T P S R T Q Q A D M L R F V D			
UniRef90_M3IQ92	P P D V T Q L	L G R S S W T L L H S I A A T Y P E T P S N K Q Q D D M K S F L N			
UniRef90_K5Y1X3	D V E Q	L G R A T W T F L H T T A A Y Y P D K P T P K Q R A N M L S L L H			
UniRef90_F0XR00	N A T I K Q E	L G R A S W R L M H T M M A R F P E E P T F D E S L A L K T Y V Q			
UniRef90_E9CIC2	N Q T L	R A E L L G R A G W T T L H V M A A R F P E E P S Q D E Q D A F V A Y H			
UniRef90_W3XJ89	P P D V E Q	L G R S T W T L L H S I A A T Y P T T P S A R E E Q A D L Q T F M S S			
UniRef90_V9LDL5	P L D R E E	L G R G C T W S L L H T M A A Y Y P E K P T P T N N Q Q Q D M K H F I S S			
UniRef90_K0KMK0	N E T I K A E	L G R S S W K L F H T I L A R Y P V T P T N N Q Q Q D M K H F I S S			
UniRef90_U9TBK5	N S T I K A E	L G Q S S W K L L H T M M A R F P E R P T Q D E E K E A L R S F I Y			
UniRef90_G8YBH4	P P D V E E	L G R S S W T L L H S I A A T Y P E K P T P T Q D Q Q N L K Q F I S			
UniRef90_A7TS20	D P P D V N E	L G K S T W N F L H T M S M A K Y P V N P S S Q Q K S E M N Q F F N			
UniRef90_C4V7A8	N K E V K D R	L G R A T W T L L H T M A A V Y P A F P T V Q H K K D T L Q F I Y			
UniRef90_L9KYL7	P Q D R E G L	G R H S W A V L H T L A A Y Y P D L P T P E Q Q Q D M A Q F I H			
UniRef90_G3WRZ6	P L D R E E	L G R N S W A F L H T M A A Y Y P D C P T L D Q Q E E M A Q F V H			
UniRef90_R7T7L1	P L D R E L	L G R N T W S F L H T M A A Y Y P E K P T L K V Q S E M T Q F I I G			
UniRef90_Q5DC50	P P D K V E	L G R A T W T F L H T M A A Y Y P L N P T P E Q Q E D M R K F L H			
UniRef90_B2VLC9	P P D V V A	L G R S S W T L L H S I A A T Y P E K P T P S E Q S D V I S F M K			
UniRef90_H9GIH2	P L D R E E	L G R N S W S F L H T M A A Y Y P D R P N K T E E Q Q E M I Q F I N			
UniRef90_G8BP85	D L E A K Q E	L G R A S W K Y F H T L L A R F P D T P T D E E R D K L S V F I N			
UniRef90_C9SXTO	P P D V E R	L G N S S W T L L H S I A A T Y P E P E N P S P A Q Q K D D L R G F M R			
UniRef90_L2GVE1	N R E I R E E	L G R G T W R L L H T M A S K F P V D P S E Q D K K N V I Q F L S			
UniRef90_B0WY95	P L D K E R	L G R H T W G L L H T M A A Y F P D Q P T A E E Q S S N V R Q F F N			
UniRef90_F9XFQ9	N E T I K A E	L G R A S W K L F H T M M A Q F P D T P K P D E S K A L K D Y I Y			
UniRef90_S3CBM6	P P D V E T	L G R G T W T L L H S I A A Q Y P K Q K P S T Q Q S D V S G F V G			
UniRef90_E0VYU4	P L T K D E	L G R Q T W G F L H T M A A Y Y P D N P T D E Q K N D V H Q F M K			
UniRef90_C5DNL0	P P D V E E	L G R S S W T L L H S I A A K Y P Q K Q P N E I Q K G E M K Q F M T			
UniRef90_R9X8Q2	D P P D V E E	L G R S S W T L L H T A A A K Y P R Q P S D V Q K Q G E M R Q F L S			
UniRef90_G0VKM3	D P P D V T E	L G R S S W T F L H A M T A K Y P E K P T N L Q Q G E M K D F L N K			
UniRef90_T1HM85	P L D K D E	L G R S T W N F L H T M A A Y Y P T K P T I E D Q T K M K E L I K			
UniRef90_R7YUL8	P P D V E Q	L G R S S W T L L H S I T A T Y P V R P S Q E L Q H E T A K F L S			
UniRef90_M2MX6	N A T A K A E	L G R S A W H L F H T I M A R F P D R P T A D E S A A L K S Y I D			
UniRef90_Q5TQX3	P I D K E Q	L G R Y T W G L L H T I A A Y Y P T T P T D A E E R N V R T F F T			
UniRef90_G8ZRR7	D K E A K E K	L G R A S W T Y F H T L A R Y P D E P T A E Q Q S E K L K Q F I E			
UniRef90_M2LNT4	P P D V E Q	L G R S S W T L L H S M A A T Y P E R P T A N Q Q T E T K Q F L T			

50      60      70      80

QUERY	UniRef90_A5E634	UniRef90_J6F0H5	UniRef90_X8IVL9	UniRef90_B6QEX7	UniRef90_Q6CAZ8	UniRef90_M5E9G6	UniRef90_S8AKV4	UniRef90_S7ZAE3	UniRef90_G9NYK6	UniRef90_M5FZK9	UniRef90_A0A024JHS4	UniRef90_J3K769	UniRef90_L7I6W1	UniRef90_C9SAQ1	UniRef90_M1W4B6	UniRef90_J4KM63	UniRef90_M3ZGW2	UniRef90_C7YYF6	UniRef90_UP10004560348	UniRef90_F4RLK6	UniRef90_G4TLH5	UniRef90_C3ZTT7	UniRef90_L8G1N8	UniRef90_G9NNJ6	UniRef90_U9SY04	UniRef90_G3AUT3	UniRef90_UP10004412A86	UniRef90_UP10002B437AC	UniRef90_W3XSQ1	UniRef90_G3HBQ2	UniRef90_T5A8C8	UniRef90_K5W3A6	UniRef90_D8UJW1	UniRef90_F6VRK1	UniRef90_F2ULJ9	UniRef90_E5ROB2	UniRef90_E9C6W8	UniRef90_K1S132	UniRef90_B2VZK7	UniRef90_W1Q7R4	UniRef90_I2JWA6	UniRef90_C5E118	UniRef90_W6MIC4	UniRef90_C4Y469	UniRef90_Q75BU6	UniRef90_U4L3N5	UniRef90_G3AI48	UniRef90_S2IVQ4	UniRef90_M7WRP1	UniRef90_Q7S4N9	UniRef90_W4K149	UniRef90_G3MJ32	UniRef90_M1WE82	UniRef90_D5GN06	UniRef90_V2XZC6	UniRef90_D6WEU0	UniRef90_F2UFQ1	UniRef90_G3J3V0	UniRef90_M3IQ92	UniRef90_K5Y1X3	UniRef90_F0XR00	UniRef90_E9CIC2	UniRef90_W3XJ89	UniRef90_V9LDD5	UniRef90_K0KMK0	UniRef90_U9TBK5	UniRef90_G8YBH4	UniRef90_A7TS20	UniRef90_C4V7A8	UniRef90_L9KYL7	UniRef90_G3WRZ6	UniRef90_R7T7L1	UniRef90_Q5DC50	UniRef90_B2VLC9	UniRef90_H9GIH2	UniRef90_G8BP85	UniRef90_C9SXTO	UniRef90_L2GVE1	UniRef90_B0WY95	UniRef90_F9XFQ9	UniRef90_S3CBM6	UniRef90_E0VYU4	UniRef90_C5DNL0	UniRef90_R9X8Q2	UniRef90_G0VKM3	UniRef90_T1HM85	UniRef90_R7YUL8	UniRef90_M2MXX6	UniRef90_Q5TQX3	UniRef90_G8ZRR7	UniRef90_M2LNT4
L Y A E	L Y P C G E C S Y H F V K L I E K Y P V Q T S S R T A A A M W G C H I	L F A Q V Y P C G D C A R H F Q R L L A K Y P P Q T K S R K T A A L W G C H I	L F S R L Y P C G E C A E H F Q G M L K E Y P V Q T G S R K S A S L W L C N S V	L F A R L Y P C G E C A S H F Q K L L A K F P P Q V S S R D A A A G W G C F I	L F S Q V Y P C G E C A E H F Q K Q M L K E W P P Q V S S R N T A S Q W A C Y V	L F S L L Y P C G D C A A H F Q Q M L K E W P P Q V L S R K N A E L W C N L H	L F G R L Y P C G E C A S H F R I L L Q R Y P P Q T S S R D A A S Q W G C V V	L F A R L Y P C G E C A E H F Q Q H L K K Y P P Q V S S R Q A A A G W A C F I	L F S K L Y P C W V C A E D F Q G Y M A R Q K P Q V N S R D D F S Q W L C R A H	V F A R L Y P C G Q C A Q E F Q Q Q L L K Q Y P P Q T S S R R S A S L W C H	L F S R V Y P C G Q C A E H F Q K M L K K Y P P Q T S S R E A A A S Q W G C F V	L F S K L Y P C G E C A E H F Q Q H L K K F P P Q V S S R N A A A G W A C H	L F A R L Y P C G E C A E H F Q Q H L K R D P V R V T R D E F G N W L C N A H	L F S R L Y P C G D C A S H F Q K L I A K Y P P Q V S S R T A A A G W L C F V	L F G R L Y P C G D C A R H F R E M L K K Y P P Q T S T R N A A A G W L C S M H	L F A R L Y P C G D C A Q H F R R L L A K Y P Q A G S R S A A A G W L C F A H	L F S K F Y P C E E C A E D L R S R L K T N R P D T S S R H A L S Q W L C C R L H	L F A R L Y P C G Q C A A H F Q K V L A K Y P P Q T S S R N A A A G W L C C F A H	N F A L L Y P C G D C A R H F Q A L I K E L P Q T G S R M N S A L W L C T V H	L F S R L Y P C G D C A R H F Q L L L K Q Y P P Q T S S R N A A S L H L C S L H	L S S R L Y P C G E C A A E F Q Q L L K E N P P Q T S S R K A A S L W C H	L F S K F F P C E E C A T D F R E R L K S N P P D V A S R H H L S Q W M C E E H	L F A R L Y P C G E C A R H F Q Q L L E K Y P P Q V R T R S A A T W A C H	L F S R L Y P C G D C A K H F R G I L E D Y P P Q T S S R N A A A G W L C F V	T F S Q F Y P C W Y C A E H R D E M T K M P P K V E S K R S L G K W L C D M H	L F A Q V Y P C G D C A R H F T G L L A K Y P P Q T T S R K A A A L W G C D V H	L M S K L Y P C G D C A A H F Q K M L A K F P P Q T S S R K A A S N W L C Y V	L F S K F Y P C E H A E D L R E R L Q T N Q P D T S S R S N F S Q W L C Q L H	L F A R L Y P C G D C A R H F Q G L L K Q Y P P Q V S S R N A A A G W A C F V	I F S K F Y P C K E C A E D L R K R I G R N Q P D T S T R V S F S Q W L C R L H	S F G K L Y P C G D C A K H F R A L L K E M P P Q T S S R N S A A G W L C E V	L T S R V Y P C G E C A E H L Q E L L K V Y P P Q T S S R R A A S L W L C S L H	G L A E F Y P C E V C A E H L R E Q V R R R P P R V A S A K D L N M W L C G I	L F S K F Y P C D E C A E D M R E R L D S T Q P D T S S R H N L S Q W M C I L H	L Y V Q L Y P C G Y C G D T T W Q E M M R N P P R L A T R K D F S L W M C E M H	L F A R L Y P C G D C A R H F V K L L E K Y P P Q T S S R N A A A G W L C L V H	F F S R V Y P C D Y C A D H M R G E M V T D K P V V T S R F G L S Q W F C R L H	L F S K F F P C D Y C A E D L R K E L K T N K P Q T S S R E E L S Q W M C R L H	L F Q R L Y P C G E C A E H F G Q V L A K Y P P Q V S S R T A A A M W G C F V	S F A L V Y P C G D C A R H F A V F L E K Y P P Q L S S R K T A A L W G C H	T F A Q V Y P C G D C A R H F I K L L K K F P P Q L I N S R K N A A V W G C D V H	L Y A E L Y P C G E C S Y H F V S W L K K L P P Q T S S R D A A S Q W G C Y V	I F S R I Y P C W F C A G D F R E Y I K R E E P K V K T Q E E F G K W L C D A H	L F S Q V Y P C G D C A R H F Q K L L K K Y P P Q V G S R K I A A V W G C H	L F A R L Y P C G E C A G H F Q K L L K K F P P Q T S S R D A A S Q W G C Y V	L F A G F Y P C W F C A D D F Q K Y I T T N E P K V I E T Q D S L G R W L C C D A H	L F S T L Y P C G E C A S H F N K L I T T Y P P Q T S S R F S A S Q W L C A M H	L F S R L Y P C G E C A A E F Q Q L L K K H P P Q T S S R G S A S L Y L C H	L F A K L Y P C W V C A E D F Q Q Y I K K E E P K T G S R D E F G N W L C E A H	A L P T L Y P C S H C A T H L G H E M K K S P P D V S S R N A L S L W L C R Q H	L F A R L Y P C G D C A D D F Q K E L E S S P P R V T S R A E L A Q W L C E Q H	L F S K L Y P C G D C A K D F R K E L E S S P P R V T S R A E L A Q W L C C D A H	L F A R L Y P C G E C A E H F Q K L L A Q Y P P Q T S G R V A A S Q W G C F V H	A L P L F Y P C H V C A D D F G E E D L K R N P P D V S G R E G L S R W L C E R H	L F S K F Y P C D F C A E D L R K E L K A D D P P Q L I A S Q E D L S Q W L C R L H	L L S R F Y P C R E C A D D F G E Y I Q K D P P D T T S R S A F A Q W M C K A H	L F A K L Y P C W V C A D D F Q A Y M A R R V P K V A S R D D F G Q W L C G A H	L F A G F Y P C W F C A E D F Q K Y I T K H E P K T Q T Q D D L G K W L C C E A H	A L P I L Y P C T W C A Q D L G E S L A V H P P D V R N R T A L S L W L C Q R H	L F A R L Y P C G D C A A H F Q T L L Q K Y P P Q T S S R T A A A G W A C F V H	T F S R L Y P C W V C A D D F Q G Y M A R E K M P V G S R D Q A F G Q W L C E A H	L F G M L Y P C G D C A R E F R K L L V Q A H P P P S V G S R D Q A M Q W F C E I H	T F S R L Y P C W V C A D D F Q G Y M A R E K M P V G S R D Q A F G Q W L C E A H	L F S K F F P C E E C A E D L R D R L K T I P P D T S N R Y K F S Q W M C L L H	L F A K I Y P C G D C A Q H F N K L L D E F P Q T S S R S I A S V W G C D I H	L F S R L Y P C G E C A A E F Q A I L A K H P P Q V S S R E A A S Q W A C A V H	L F G K L Y P C W F C G E D F Q S Y V E K K E P Q V M T Q E A F G R W L C C D A H	I F S H I Y P C N W C A D D F E K Y I R E N A P R V N S R D E L G R W L C C D A H	L L S S L F P C A E C C G H F Q R L L S L N P P Q V A T H D E F V Q W L C C K A H	L F S K F Y P C E E C A E D I R Q R I I C R S Q P D T R T R E H F T Q W L C R L H	L F S K F F P C H E C A E D I R R R I L S R N Q P D T S S R S R F T Q W L C C R L H	L F S K F F P C D D C A K D L Q K S L I E T N V P Q T K S S R H H L S Q W F C Q M H	I F P Q F F P C R P C A Y D F Q S N I I L H P P K D N R K T L S G W L C M Q H	L F S K L Y P C W V C A E D F Q E Y I E R K Q I K A G S R D E F G N W L C E A H	L F S K V F P C E E C R E D F R K R I Q Q N Q P D A S S Q R N L T Q W F C R I H	L F A E L Y P C G E C S Y H L Q K M I K K Y P V Q T S S R T S A S L W G C H I H	T F S R L Y P C W V C A E D F Q S Y I K K D E V R V E G R Q E F G N W L C C M A H	L L A K L F P C E E C S M H F Q K L L N D H V P V V S S R K E F E L L W L C S A H	A F S K V Y P C E Y C A K D F Q Q E L K T D P P E T T S Q H S L S Q W L C R M H	L F Q R L Y P C G E C A N H F G E I L K K F P P Q T S S R S A A A V W A C H	S L S R L Y P C W V C A E D F Q V F L A R S P V R A A S R D E F G R W L C C A A H	L F S R F Y P C S V C A E D L Q Q Q I E R F P P K T E S Q Y E F S Q W L C R I H	I F S H V Y P C W W C A K D F E K F I R E N S P K V D S S R E E L G R W M C E A H	I F S H I Y P C N W C A K D F E Q Y I L R D K A P R V E S R D E L G Q W M C E A H	I F S K V Y P C H W C A M D F A K Y I E N H S P K V D S S R E E L G R W M C E A H	N F S I F Y P C N I C A K H L R D D I Q L T P P D V S S R D E F G R W M C Q V H	T F S K L Y P C W T C A E D F Q R R W D T N A P R V V S S R D E F G R W M C E A H	L F T R L Y P C G E C A E H F T H V A K F P P Q V S S R Q A A A G W A C H	S L S K L Y P C E Y C A K D F Q Q E L K E M P P E T K S Q H A L S Q W L C R I H	L Y A E L Y P C G E C S Y H F V K T L K R Y P P Q V S S R T A A A L W G C S I H	L F S R M Y P C W V C A D D F R T W M T Q N E P R V V S N R D E F G R W M C E A H

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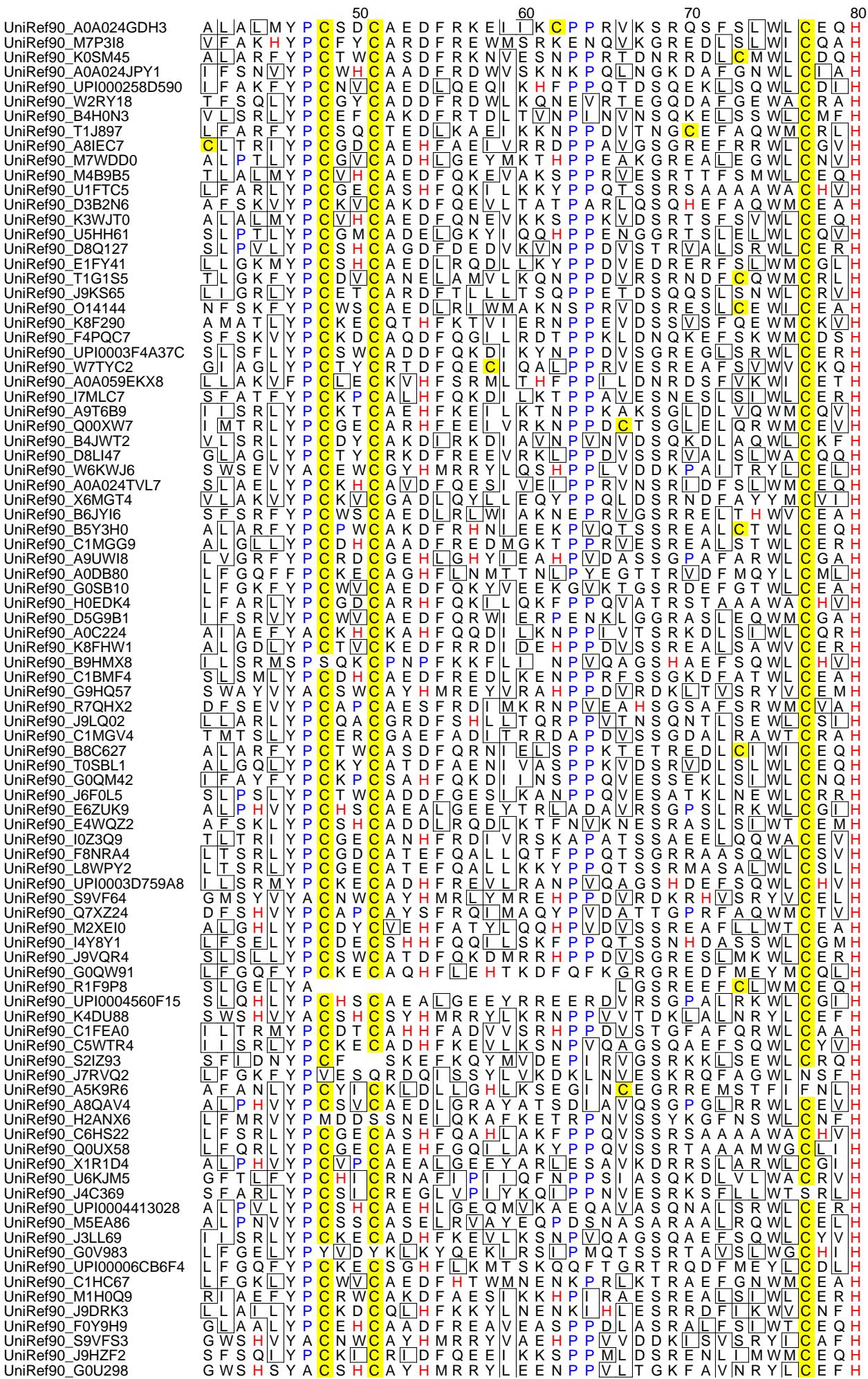
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UniRef90_S8C6X8	N V V   N R S   L   G K V   S F   P   C E R   V   D G R W
UniRef90_C4Y6P8	N D V   N K K   L   G K P   R F D   C C N   L   W K Q   R W K D G
UniRef90_H2AX75	N K V   N V K   L   G K P   K F D   C C N   F W K Q   R W H   D G
UniRef90_G2YB85	N D V   N R K   L   G K R   E F D   C C A R   W E E R W R T G
UniRef90_S3E7R3	N E V   N R K   L   G K R   E F D   C C S R   W E E R W R T G
UniRef90_B6QVI3	N A V   N R K   L   G K K   E F D   C C R   L   W E E R W R T G
UniRef90_A5DF38	N D V   N K K   L   G K P   E F D   C C N   L   W K Q   R W K D G
UniRef90UPI0003C39AA7	N R V   N V K   L   G K P   E F D   C C S K   V   N E R W R D G
UniRef90_R9AV74	N D V   N A R   L   G K D   I F D   C C D K   V   P   Q R W R D G
UniRef90_G7DV18	N K V   N E S   L   D K P   L F D   C C S K   L   E G   L   Y   D   C G C
UniRef90_I2H6R2	N S V   N R K   L   N K E   E F D   C C T   K   T   D E R W K D G
UniRef90_S7Z9A0	N E V   N R K   L   G K K   E F D   C C R   L   W E E R W R T G
UniRef90_Q0CXK7	N E V   N R K   L   G K K   E F D   C C R   F   W E E R W R T G
UniRef90_C5DKU7	N K V   N V F   L   K K D   E Y D   C C S K   I   L   E D Y D   C G C
UniRef90_F8P467	N D V   N E R   L   G K E   R F D   C C T   K   T   D E R W K D G
UniRef90_C4WWL2	N M V   N R K   L   E K P   L F D   C C S K   V   N E R W R D G
UniRef90_I1F786	N E V   N V R   L   D K P   L   F D   C C S K   V   D E R W   L   H G
UniRef90_U6PFW5	N K V   N K R   T   G K P   E F D   C C S K   V   F E R W K D G
UniRef90UPI0003598326	N S V   N V R   L   G K V   E F D   C C S K   V   L   E R W R D G
UniRef90_W4ZIF6	N D V   S R R   L   S K P   E F D   C C S K   I   D E R W   L   D G
UniRef90_L8G9M7	N D V   N V K   L   G K K   T F D   C C D K   W E E R W R T G
UniRef90_E2AW88	N E V   N T K   L   G K P   E F D   C C K   L   V   N   Q   R W R D G
UniRef90_G0VIP9	N M V   N T V   L   K K K   Q   Y D   C C T   K   I   L   E D Y D   C G C
UniRef90_G8JSG7	N Y V   N K S   L   K K P   M H   P   C E N   I   L   E D Y D   C G C
UniRef90_F0ZHR0	N S V   N T Q   L   G K P   K F D   C C D   L   L   N   D   R   W   K   I   G S
UniRef90_B6K5L6	N L V   N E K   I   H K P   P   L   N   C S E   I   I   S   M   Y   D   C G C
UniRef90_O44975	N K V   N E K   T   G K P   K F E   C   R   D   V   M   Q   R   W R D G
UniRef90_K7JHH1	N E V   N N K   L   G K P   V F D   C C S   L   I   N   Q   R   W R D G
UniRef90_G8BV03	N S V   N V K   L   R   K   E   K   F   N   C   D   F   W   E   K   R   W   R   E   G
UniRef90_U6I696	N L V   N Q K   M   K   K   P   L   F D   C C S   K   V   L   E   R   W   R   F   G
UniRef90_R7YVB8	N E V   N R S   L   G K G   E   Y   D   C C A   H   V   D   E   E   Y   D   C G C
UniRef90_G0V5M0	N H V   N N K   L   G K P   K F D   C C N   F   W E   K   R   W   K   D   G
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UniRef90_R7QC60	N E V   N R R   Q   G K P   E   F   P   C   Q   N   L   E   S   R   W   D   C   G   C
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UniRef90_N6U3G1	N K V   N V K   V   G   K   E   V   F   D   C C S   K   V   N   E   R   W   R   D   G
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UniRef90_E1ZGC5	N T V   N R Q   L   G K P   A   F   N   C   A   L   V   E   A   R   W
UniRef90_U6I3E8	N L V   N N K   K   T   G K P   L   F D   C C S   R   V   M   E   R   W   R   Y   G
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UniRef90_R4X8C5	N E V   N R K   L   G K D   E   F   D   C C K   L   W   R   Q   R   W   K   D   G
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UniRef90_T1FXZ8	N R V   N L   K   L   G K P   Q   F   D   C C R   N   V   L   K   R   W   K   D   G
UniRef90_K0K7L8	N E V   N E R   V   G K P   K   F   D   C C N   L   W   K   Q   R   W   K   D   G
UniRef90_D5A7V7	N I   V   N R S   L   D K P   K   F   P   C   Q   R   V   D   A   R   W
UniRef90_G7E6B7	N E I   N V K   L   G K E   A   F   D   C C D   K   V   D   E   R   W   K   D   G
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1                    10                    20                    30                    40

P [L] D R E E L | G R S T W G L | M H S | L | G M Y Y P E N P S E E Y Q R H A R S F I | E  
 P P D S E L L | G R S T W T F L | H T M A A N Y P E L | A T A K E Q V E M Q E F L | R  
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 P P D V E E L | G R A T W T F L | H S | A T A Y P D V | A S P A E Q K Q M S S F L | S  
 P L D K D G L | G S N T W S F L | H T M A A Y Y P N N P S N E Q K S D M K T F F N  
 P P N V I E Q L | G R A T W T L L | H G M A A S Y P S T A S P S M Q A T A R S F I | Q  
 P L D K V S L | G I S T W G L | H T M A A F Y S D N P T D N E K R D M K S F F E  
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 E V G R A T W T L L | H M | A A Q F P D R P S R Q Q | Q R D A R T L | V D  
 P P D V E R L | G R H T W T F L | H T T A S Y F P P Q P S Q H | Q K S S M L | G L L | R  
 P L D R Q E L | G A A T W G L | H S M G | Y Y P E K P S P E Y Q A K A K S F I | E  
 N E T L K A E | G R A A W K L | F H T T M A R F P D Q P S E E E S A A L | K S Y I | Y  
 L G N S G W N L | L H T | A A Y Y P E K P D A Q H | Q E D T R Q F L | Q  
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 P P D V E Q L | G R H T W T F L | H T T A S Y F P P Q P A P S A H | Q R T S M | S L L | N  
 P P D V E V L | G R A T W T F L | H T T A A Y Y P E R P T A R Q R A H | M L S L L | H  
 P L T T E K L | G N S T W N L | L H T | A A Y Y P L | K P T L | E Q K K K N V | C T L | M D  
 P L E R E D L | G R N T W S L L | H T L | A A Y I | P D E T S K E D K E D L | K H F M A  
 P L D K A Q L | G Y H T W S L L | H S M V A A Y Y P D D P S H Q | Q R K D M D N F F R  
 P D V A E L | G R S T W T F L | H A M A A N F P K N P T P T | Q N D M S S F L | Y  
 K E D L | G R A T W L L | H S | A S Q Y P D E P T E R E K R D A K N | L | N  
 D L | H S G W N M L | H T M A A Y Y P D K P T D T K K K E M T E F L | H  
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 P L D K G E L | G A A T W G L | H T T A A H Y P E K P S K E T Q D Q A R A L | V T  
 P T P L E L | G R A G W D I L | H T A A A T Y P Y Q P T P A Q Q K A M R D F I | Y  
 P L D R E E L | G R A T W G L | L H T M A A Y Y P Q V P S D A V K S Q A T S F I | K  
 A P D R Q Q L | G R H T W T L | L H T Q S | V Y Y P E K P T D E E K Q D M M N T F L | H H  
 P N V A E L | G R A T W T F L | H A M A A T Y P H N P S A A Q Q A E M Y N F L | H  
 P P S S A S L | G N S S W T L | L H T M A A W Y P D K P T T E D R S Y | T G F M N D  
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 T R E E L | G R A G W T L | L H M | S A T L | P V D F D E E F T F K I | N | V F L | N  
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 R S T Y G N Y T W N M L | H T T A | Y Y P D E P T Q E Q Q K M R N | L | F D D  
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 P A D T V E L | G R S T W T F L | H T T A A Y Y P D K P T P V Q K T H M V N L L S  
 P P D G E E L | G R S A W T F L | H S A A A Y Y P E D P S A Q Q Q S S M A L | F R  
 A P D A Y Q I | G N A G W T I L | H T M A A Y Y P E K P S P E K K A A V I N F Y D  
 T K E D L | G R A T W L L | H T | V I A A Q Y P A R P S K Q Q R K D | V A A L V | H  
 M T | L | R Y P E K P T Q D E K E A F A S Y | Y  
 K P N E D E R K A L | E S F F Y  
 P V T K D E L | G R A T W T F L | H T | A A Q Y P E N P T R Q Q K K D | V K E L | M A  
 P T P V Q L | G N S G W D | L H S S A A V Y P N H P N P E Q Q E A M R G F | L | H  
 D A D T L | G R T T W T F L | H T M A S T | H P | S P T P S Q | S R V | K R F M Y  
 P P N G D R L | G R A T W T L | L H V | M A A N Y P A N P T P E D E T Q A T S F | T  
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 P P D T A A L | G R S T W T F L | H T T A A Y Y P I | N A P P Q T Q S S M L N L L S  
 T R E Q L | G N A G W T L | L H M | S A T Y P V E | V T K D F | V D R T N L F L | N  
 P P D R E E L | G R H T W T L | L H T T A A Y Y P E T A S P S Q T L | A E Q F I | R  
 P P D G I E L | G R S T W T F L | H S A A A Y F P A S P T S | V Q Q S S M | L A L L T  
 P T P G D L | G H A G W D V L | H T A G A V Y P Y K P S P L | Q Q E A F R S F L | Y  
 E D L | G R C T W M F L | H T | A A Q Y P E N P T A G Q E R D A K D L | I G  
 P L T K E E V | G R A T W M L | L H T | A A Q F P D E P T R Q Q K R D A K E L | M H  
 P A D S V T L | G K A A W T L | L H T T A A Y Y P D R P A P S Q M D S M R A F M T  
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 P P D R E E I | G R A S W L V L | H T M A A N Y P S K P T E E E K K K H | F H F F D  
 P P D V E E L | G R A T W T F L | H S A A A Y Y P N E P S D I | Q R R S M R A L | L D  
 P P T K E V I | G R S S W T L | H A | G A K Y P E A P T Q I | Q Q D E M S R F M A  
 M A Q F P D K P S A E Q Q E T | L | R S F I | Y  
 N A T A K A E | L | G R A A W K V | L | H T T F A R F P E K P T D E E K A L | R S Y V | H  
 L | G S S T W T F L | H S A A A Y Y P D V P T P I | Q R S S M L | S L L R  
 P P S R E Q M G R A S W K V L | H A A A A Q F P D K P S K | L | V Q R T M | L | S W L | L  
 P P D R T E L | G N A G W L F L | H T | A T Q Y P E K P D E D T K | L | R Y L | G F L | H  
 P P D R D T L | G R A T W T F L | H T T A A Y Y P A A P S A A Q R T H M | L | A L L R  
 P P D V E E L | G R A T W T F L | H S A A A Y Y P D A P S D E Q R R A M H | A M L D  
 K R G | L | G R A S W K H | F H T M | L | A R F P D E P R D | D R D K | L | Q L | I E  
 T R T E L | G N C G W M V L | H M | S A T Y P L | E V N E F V | V E K T N L | F L N  
 P P D V E T L | G R S T W T L | L H S M T A T Y P K T A T P | Q Q Q N D M H S F L T  
 K | L | Q D N L | G A S T W A F M H T | V | A A Q Y P K K P S P | L | Q Q H | K Q L | F V  
 K D K | L | G S S T W T L | L H A | S F N Y P E | P | N M D | D K K | H | R E F I K  
 P V D R A E L | G R S T W D L | L H T T A A Y Y P E S P T E R D | R A A A A G | L | V A  
 S P P S P I E L | G N A G W S L | L H S A A A V Y P Y K P T K E Q K E A M K G F I | Y  
 D L | G R S A W P M L | H R F T | L | G Y P E N P N E S Q K Q R A L | S F I | Q  
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90   100

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UniRef90_K3WJT0	N I V N K K I   G K A A F P C E K L D E R W K K G
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 G L | W T | L | F H | T | L | T V N A A Q K P G S E | G P K | V L | K A M H G  
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90                    100

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

50 60 70 80

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

90                                    100

UniRef90_UPI00042C41CC	N K   V   N A R   L   A G P Q F P K   V   Q W P P R K   L   C
UniRef90_S9Q3S2	R K F N E E F N   L   T   V   P   T   C   D   D   I   A A S Y   I   I G S
UniRef90_B0UXN0	N R   V   N N R   L   A G D   L
UniRef90_UPI0003C2A35E	N T   V   N M R   V   K N   P   K F P K T   L   W
UniRef90_G8DDR7	N Q   V   N A K   L   G K   P   G Y   L   L   T   D   L   D E K Y
UniRef90_V5G616	N E   V   N K   R   L   S   G   P   E   Y   P   K   I   Q   F   P   S   K   E   R   C
UniRef90_B3LVJ9	N E   V   N K   R   L   S   G   P   K   F   P   C   R   T   N   N   S   D   W   H   T   G
UniRef90_F7E0U9	N   I   V   N N R   L   A   G   P   K   F   P   K   V   Q   W
UniRef90_UPI00033457AE	N R   V   N N R   L   A   G   P   H   F   P   K   V   Q   W   P   P   R   E   L   C
UniRef90_UPI00033178A1	N   V   V   N S R   L   A   G   P   Q   F   P   K   A   P   W   P   E
UniRef90_U6KYW7	N Q   C   R   Q   K   A   G   M   P   L   K   Q   C   N   D   L   M   R   R   W   R
UniRef90_E0VW74	N E   V   N K   R   L   S   K   P   Q   F   P
UniRef90_W9RR45	N K   V   N   V   R   L   I   K   E   E   A   S   L   E   T   V   D
UniRef90_W8C0Z9	N E   V   N E R   L   A   G   D   E
UniRef90_J9JRQ3	N Q   V   N Q   R   L
UniRef90_E2BAZ4	N E   V   N A R   L
UniRef90_H0XEK1	N R   V   N A R   L   A   G   P   Q   F   P   K   V   Q   W
UniRef90_M0S2B4	N K   V   N E R   L   N   K   E   E
UniRef90_B6KJX7	N Q   C   R   L   K   L   D   M   P   T   R   P   C   S   E   L   V   R   R   W   R
UniRef90_M1A5S2	N Q   V   N E R   L   M   K   D   E
UniRef90_I1LEN2	N K   V   N E R   L   M   K   E   E   A   S   L   D   T   A   D
UniRef90_H2UE41	N R   V   N A R   L   A   G   P   Q   F   P   K   A   L   W
UniRef90_W9R916	N R   V   N A R   L   A   G   P   M   F   P   K   I   Q   W
UniRef90_V8P7T9	N R   A   N   A   R   L   A   G   P   K   F   P   K   M   Q   W
UniRef90_UPI0003C264F2	N E   V   N A R   L   A   G   P   K   F   P   K   L   Q   W
UniRef90_UPI0003833681	N E   V   N A R   L   K   K   D   E
UniRef90_UPI0003990F21	N K   V   N A R   L   A   G   D   I
UniRef90_M4EBL0	N I   V   N S R   L   A   G   P   R   F   P   K   A   P   W
UniRef90_L7LVI4	N A   V   N K   K   L   E   V   E   A   V   T   Y   E   D   V   F   E   K   Y   K   C   G
UniRef90_UPI0003F1432C	N K   A   N   K   R   L   H   L   D   E
UniRef90_M1PWG8	N E   V   N A R   L   A   G   P   K   F   P   K   A   P   W
UniRef90_A7RMV6	N L   V   N S R   L   A   G   P   K   F   P
UniRef90_UPI000462B5D1	N V   V   N S R   L   A   G   P   R   F   P   K   A   P   W
UniRef90_L5K799	N Q   V   N S R   L   A   G   P   Q   F   P   K   I   Q   W
UniRef90_UPI0003F0EFA6	N A   V   N   I   R   T   G   K   P   V   F
UniRef90_W5MSC8	N R   V   N A R   L   A   G   P   K   F   P   K   M   Q   W
UniRef90_F2NYX0	N E   V   N E R   L   A   G   P   R   F   P   K   V   Q   W
UniRef90_UPI0003504DF4	N K   V   N R   D   V   G   K   P   Q   Y   P   C
UniRef90_UPI0003872AA4	N A   V   N K   K   L   E   I   D   Y   Q   D   V   V   D   R   Y   K   C   G
UniRef90_D8R2Z0	N E   V   N K   R   L   A   G   P   E   Y   P   K   V   Q   F   P   S   K   E   R   C
UniRef90_H3CKK5	N K   V   N K   R   L   H   G   D
UniRef90_FOYEH4	N V   V   N N R   L   A   G   P   Q   F   P   K   M   Q   W
UniRef90_G5CR41	N E   V   N E R   L   A   G   P   R   F   P   K   V   Q   F   P   E   R   K   H   C
UniRef90_D6WHZ3	D A   V   N S   E   L   S   K   P   L   F
UniRef90_K1QC92	N E   I   N   R   H   L   G   K   P   L   F   P
UniRef90_UPI0003EBD3D2	N E   I   N   R   H   L   G   K   P   L   F   P
UniRef90_B3P8Q0	N K   V   N A R   L   M   K   E   E
UniRef90_C5LXJ7	N E   V   N E R   L   H   G   P   E   F   P   K   E   Q   W
UniRef90_B3LVJ8	N V   V   N F   Y   T   G   K   K   L   L   S   Y   P   E   A   Y   E   K
UniRef90_B3LVJ8	N K   I   L   N   V   F   V   G   K   P   E   M   D   Y   A   E
UniRef90_UPI000258D8F7	N I   V   N R   R   L   A   K   D   L
UniRef90_B9T8D9	N V   V   I   R   S   P   G   K   I   V   L   P   Y   E   R   V   D   A   R   W
UniRef90_D8U000	N R   V   N N   R   I   A   G   D   L
UniRef90_G5CSR3	N E   V   N K   R   L   A   N   E   E
UniRef90_G8DEJ3	E   H   I   N   K   M   L   G   K   T   S   L   S   Y   D   D   V   R   E   R   Y
UniRef90_T1KAT6	N Q   V   N N   R   L   A   G   P   K   F   P   K   I   Q   W
UniRef90_U5GV06	N I   V   N R   R   L   A   K   D   L
UniRef90_UPI0003B2FD3B	N V   V   I   R   S   P   G   K   I   V   L   P   Y   E   R   V   D   A   R   W
UniRef90_A0A026VU03	N Q   V   N A R   L
UniRef90_A9TJ31	N E   V   N K   R   L   A   N   E   E
UniRef90_F2Y2Q0	E   H   I   N   K   M   L   G   K   T   S   L   S   Y   D   D   V   R   E   R   Y
UniRef90_H2TK31	N Q   V   N N   R   L   A   G   P   K   F   P   K   I   Q   W
UniRef90_Q91FH7	N S   V   N Y   R   L   G   K   P   L   P   E   S   V   A   R   K   K   W   R
UniRef90_V9K1W9	N R   V   N D   R   L   A   G   P   K   F   P   K   H   Q   W
UniRef90_B4M0P1	N E   V   N Q   R   L   A   G   P   K   F   P
UniRef90_I3IWC2	N R   V   N M   R   L   A   G   P   L   F   P   K   A   P   W
UniRef90_S8CBY2	N R   V   N E   R   L   M   K   E   E
UniRef90_UPI000328BBB3	N K   V   N A R   L   A   G   P   Q   F   P   K   V   Q   W   P   P   R   T   L   C
UniRef90_UPI0003DE9217	N E   V   N E   R   L
UniRef90_K7J8R1	N T   V   N E   R   L   M   E   E   E
UniRef90_S8DYZ9	N R   V   N N   R   L   A   G   P   N   F   P   K   V   Q   W
UniRef90_G3P9U4	D K   V   N K   E   L   G   K   K   S   P   P   F   Q   K   V   R   E   V   Y
UniRef90_D2XAV5	S   L   V   N   I   K   T   G   K   P   P   R   D
UniRef90_Q98515	N V   V   N Y   Y   T   G   K   K
UniRef90_Q5UQV6	N H   V   N A   R   L   N   K   P   Q   L   A   A   K   T   V   F   Q   R   Y   R
UniRef90_Q196W4	N A   V   N S   R   L   G   K   P   Q   P   E   F   E   D   V   R   Q
UniRef90_M2XR87	S   L   V   N   K   K   L   G   K   P   E
UniRef90_M1HB35	N   L   M   N   I   E   L   K   K   D   E   F   D   C
UniRef90_H2B1S3	N R   V   N S   R   I
UniRef90_H2MSG5	N K   V   N R   R   I
UniRef90_E9HEH3	N E   V   N Q   R   L   A   G   P   K   F   P
UniRef90_B4KAP3	D   T   V   N   S   R   I   N   K   P   R   F   S   R   E   K   A   K   Q   L   Y   D
UniRef90_Q677X1	N K   A   N   K   R   L   H   N   D   I
UniRef90_UPI00035A0078	N A   V   N R   R   L   S   G   D   Q
UniRef90_V5H6M8	N M   V   N S   R   L   A   G   P   K   F   P
UniRef90_G3I6Y6	N R   V   N Y   R   L   G   K   Q   Q   Y   D   C   S   N   L   K   Q   R   W
UniRef90_I1F776	N R   V   N E   R   L   M   K   L   E
UniRef90_G1K901	N R   V   N Y   R   L   G   K   Q   Q   Y   D   C   S   N   L   K   Q   R   W
UniRef90_J9IZD8	N R   V   N A   R   L   E   R   D   I
UniRef90_T2MJV0	N E   V   N E   K   L   G   D   P   R   F   P   K   V   Q   F   P   E   R   K   H   C
UniRef90_B4QZB8	N Q   V   N E   R   L   M   K   L   E
UniRef90_V4TM37	N R   V   N Y   R   L   G   K   Q   Q   Y   D   C   S   N   L   K   Q   R   W

1                    10                    20                    30                    40

UniRef90_D4B0R3		W G P [V M W H Y L H T I S F N Y P V N P T K L Q K R K Y K E L L V		
UniRef90_R4TWD4		N E T A K V E L G R A A W K V F T M M A Q F P D K P S S E Q Q E T L R S Y I Y		
UniRef90_C0FS0		S M W T L F H T L T V N Y L S D K V V D N Q E V L K A I K G		
UniRef90_V4AJZ2		G P S L W Y S L H T A A S S I S D P I T V T D K K D W V N L L K		
UniRef90_UP10000161EE9		P A D V E T L G R H T W T L L H T M A A Y Y P E R P S P G Q K E S M K N F F T		
UniRef90_I1BKW4		S L W T L F H T F V T V Q A S K S L I L P A G F V L G T V H G		
UniRef90_B4JRK7		G L W I L F H T L T V S A K D Y T Y E E K L Q V L H A M R G		
UniRef90_UP10003F0DA9C		G L W L L L H S L A A R A T P E A T G G A F W M T A V R Q		
UniRef90_I0YJW9		N F D P N L W G S S F W F V I H L A A L R F P V N P T A E D K K H F G D F I R		
UniRef90_M1HY8		K E F W G P C L W R T I H S F A A T Y T P E K A Q E F S A F M L		
UniRef90_F2WLQ3		S L W T L F H V L T V Q A A W K L L P N P L E V L L A M H G		
UniRef90_UP10003C15BD1		G M W L L F H T L T V R A A D H P A F K P K E V L T C M R S		
UniRef90_R7UJX8		S D K R S S Q L G Q S A W L L F H S Y L N G T E D H L N E K E C H R V K R F V R		
UniRef90_J7S3C9		S L W L L F H S L T V S A S D D F N P A H V P E V I A N		
UniRef90_T1JMP1		WG P K Y W R S L H Y L A I F P S F D A P S W K E K Y E A I Q W I L		
UniRef90_Q65163		G L W T L F H T L T V S Q A S Y D N V S Y M E V L H A M R G		
UniRef90_W4XF10		P P D R T M L G R A F W T F I H A S S V Y L D Q Q P D A R A L A S F R S I F D		
UniRef90_L1I7X5		WG Q P T W F L F H T L A E K V K E S Y F Q E I K Y D L F S F I R		
UniRef90_D6PJ69		D P D I W G K H G W K F I H Y V A Q G Y Y D N P S L E Q Q N I Y K H F F L		
UniRef90_E3T5L5		G L W T T F H A M T V N A F T Q E L Q T P I N L L L G R G		
UniRef90_A0A044TEQ9		G L W T M A H A I S V E A A N N P S F N P V N E V L E P F H		
UniRef90_U6NVF9		P L D K E E L G K S T W G F L H S M A S Y F P D K P T K L Q S E N M S R F F N		
UniRef90_H9JY57		W G N A L W N A I H A L S F S H P V E D T C N K K Q G M H D F I K		
UniRef90_Q4A306		S L W M L F H S L T A E H G P A S G E D R S T T L L T I R D		
UniRef90_B7PLS2		G P R L W F V L H T A A A A A P T V L T P A D R A A W L A L L R		
UniRef90_Q8QUR7		A L W T T F H A L T V Q A Y K N P K F N P I A P L V A I R N S		
UniRef90_A0A044SVJ1		W T L F H V S Y R P S Q H P Q E V L S A M R S		
UniRef90_Q4RUD3		G Q W N M F H M L T M N P P E T G T R S A V S V V A S I R R		
UniRef90_D0NPB3		W T L F H V S Y R P S K K R R R P D P Q E V L S A M R S		
UniRef90_H3DDH8		S L W T I F H Y I T V G S H A K F L A K K I E A V L V I K D		
UniRef90_UP100026596C6		G L W T L F H T I T A S K T D E E P W K P S K I M A A I R L		
UniRef90_M4BH74		H S L T V R W T L E L A L S P L E V L G A M R G		
UniRef90_M7BBB4		V L Q A I R S S		
UniRef90_UP10003ADCF0F		G L W T L F H S M T V N V K L R P S Q V A I A I R S S		
UniRef90_A0A024G0R7		G L W T L F H T M T Q N C Q S N F A M D R R K I L Y G V R N G		
UniRef90_B3RPG3		G L W T T F H A L T I N V Y L E A K D E E Q K P L K A I K G		
UniRef90_F1KZK3		W T L I H A M S V Q A K D N P N F N A N N D L I E P F H		
UniRef90_A0A044SAZ1		W G T A G W T F N H A V T F G Y P L N P T S D D K R R Y K N Y F I		
UniRef90_Q5UP54		G L W F L I H T L A A R M P S P T S V L E Y L R		
UniRef90_Q5UCB7		G L W T L H V M S I Y G P E K S K D S N A A N Y S S M I A		
UniRef90_E4Y2M5		G Q W N M F H M L T M N P P E K N A R S A V S V V A S I R R		
UniRef90_K3X3R2		G Q W T M F H L M T M M V G P G A S D E A M A V V T A I R R		
UniRef90_W4GK53		G L W T T F H A L T V Q Y M D D P S Y K P L P P L H A V R G G		
UniRef90_F1L1W7		G L W T L H A L A R V G D A A T Y A G E R W M A A V E G		
UniRef90_C1MIM3		G L W T L F H S M T T R F K A E E A W K P S E T M A A I R L		
UniRef90_G4YML6		G L W T L L H T I T V E A Q N N P S F D A A V E V I E P I H		
UniRef90_F1KYW3		G L W M L F H T V T V N A G K K N N F D P K I V L K H I A G		
UniRef90_E5T0W5		W M L L H A T A L R S K E L D K H Q G G H V W Y A F V N		
UniRef90_K8EKD4		G L W T L F H S I T V S D V K K T S T K P S R V M V A I R L		
UniRef90_H3GXK6		W G P P G W F F L H C V A A G Y P V H P D E Y D R R G Y S S F F K		
UniRef90_D8LPI1		G L W T L L H A I S V R V P L I S S S N A E F N A L E G W R		
UniRef90_Q00ZL8		W T L A H A M A A E A Y K T E E H N T T E V L E P F H Q		
UniRef90_W2TVC2		A L W I L L F H L T V E A A R E P T P F K Q R T I R D F V Q Q		
UniRef90_B3LVJ7		G L W T L F H S M T V R Y K D R P S Q V A V A I H T		
UniRef90_F0WDA9		G L W T S F H L F L S L S P D E Q A P L F V E A M S E M I		
UniRef90_E4X953		M K T F I Q		
UniRef90_W8R9K4		W M L L H S L A V R V P G S S I T N M E F I H A I E G		
UniRef90_A4S426		G M W L L Y H T L T V N A P A E R K P L K V I Q N		
UniRef90_F9WDD5		Q E A A P V L Q V M R R		
UniRef90_Q4SWK4		G L W T T F H A L T V S A K T N D I T L P L P P L Q S I R D		
UniRef90_P91442		G Q W N M F H M M T M Q Y E Q N D D T L V G V I A T I R R		
UniRef90_F0WLQ7		G L W V T F H A L T V S A Y K Q A E E H P L T P L Q A I R A		
UniRef90_W2SHC2		G L W T T F H A L T V H Y I D T I K D S N V N A L K S I Q G		
UniRef90_U6P0E5		G M W L L L H A L T V N T P A D R N V L E V I Q N		
UniRef90_C9ZQJ7		G Q W N M F H M L T L N P P E R S G E L M V S V V A S I R R		
UniRef90_G4ZR23		W V L A H A M A A E A Y K T E E H N L E E V L E P F H Q		
UniRef90_A0A016SGT4		W G P H Y W Y F L H W H A D V S T T T F V N R T S Q I A W L L R		
UniRef90_A4KXC9		G L W L L F H S L A A R S S Q K N D Y A G A T W L A T V S R		
UniRef90_C1E9J9		G L W S L L H S I T A T Q P W K P S R T V A A I R L		
UniRef90_D0MYU8		S L W M L F H S L V E S K E L K A R S L L L V F L G		
UniRef90_B4PNW2		W T L F H T L S V E S K E L K A R S L L L V F L G		
UniRef90_Q0E540		G L W T L F H T L S V E S K E L K A R S L L L V F L G		
UniRef90_H3GXK7		W G P H Y W Y F L H W H A D V S T T T F V N R T S Q I A W L L R		
UniRef90_K3X8M6		G L W T L F H S L A A R S S Q K N D Y A G A T W L A T V S R		
UniRef90_A0A024GPA2		G L W S L L H S I T A T Q P W K P S R T V A A I R L		
UniRef90_F5UE87		S L W M L F H S L V E S K E L K A R S L L L V F L G		
UniRef90_H2KZY5		W T L F H T L S V E S K E L K A R S L L L V F L G		
UniRef90_V9EGH2		G L W T L F H T L S V E S K E L K A R S L L L V F L G		
UniRef90_Q4N0V9		C S S Q W I L L W M F G A Y A D E N P T E Q Q K K S L E V F Y K		
UniRef90_A8NWZ6		G L W T T F H A L T V Q A Y K N G L N D S K F V L V A I R N		
UniRef90_W2T719		G L W T T F H A L T V H Y I D T I K D S N V N A L K S I Q G		
UniRef90_T1L3P8		S L W L L W H T L T V I E H T T P S T D H Q V V F T M R Q		
UniRef90_M4BH81		G L W T L F H T L T A Y S T S R P E Q W K S S E V L S A V R		
UniRef90_A9SX6		G L W M L F H S L T V R V E D F E G S F A L T A I E A F V D S		
UniRef90_I7IGB3		U G P A V W R F F H T T A E I V S T K T P E Q Q K T L K E F F N		
UniRef90_V9EJU0		G L W T L F H S L T V E S K E A A L K P S E I M A A I R L		
UniRef90_G5AEN5		G L W T L F H S L T V R V E D F E G S F A L T A I E A F V D S		
UniRef90_T0PYX2		C S A Q W I M L Y S Y A A Y L P E S P D N D V Q A H A K I F F S		
UniRef90_Q6GZN7		G L W T L F H S I T V T Q P W K P S R I M A A I R L		
UniRef90_W5S512		W T L F H T L S V E I K S E A A L K P S E I M A A I R L		
UniRef90_R1CGY6		G Q W T L F H M M T M L N G H D V T E L A V A V V G A A R R		
UniRef90_K2PA60		D P R V F G P H F W K T F H T M A V N Y H S P P T K A L G A C S A F I K		

50                    60                    70                    80

UniRef90_D4B0R3	M S M Q C S S G D C A A H F V K L L Q K Y P P Q T S S R N A A A G W G C L V H
UniRef90_R4TWD4	N L Q Y T L P C K Y C R I N L T N N Y K K Y P P E V K N R D S S R Y V Y N L H
UniRef90_C0FS0	L F S R L Y P C K G C A H D D E D
UniRef90_V4AJZ2	Y M E Y F F G C A E C S T N F L Q O M A K T I E S E I N N N K K D M V L W L W S A H
UniRef90_UP10000161EE9	S L A V L L P C H A C K Q H Y T D I I K R T D L N T N T K K Q L F C F L V D V H
UniRef90_11BKW4	S F S E N Y P C W F C K K N D R M I F K K
UniRef90_B4JRK7	F V K H F F G C R D C V Q H F M G M S E R R K I S V A S R D E E I L W W E A H
UniRef90_UP10003F0DA9C	Y I V Q F F G C R E C A T N F D K M A V T I K S T V A T P D E A L L L W L W R A H
UniRef90_I0YJW9	Y V Q Q F F K C S E C S Q H F E A M A A E E S A A V T S R R D A V L W S W R A H
UniRef90_M1HFY8	T I Q Y I L P C A G C C K G F K A I L E M T K F D L K T R D T L F A W T V L A H
UniRef90_F2WLQ3	S L Q N L L P C T T C K D N Y R K N L R E L P P L L G S R D R V F Y W T Y L L H
UniRef90_UP10003C15BD1	Y V K Y F F G C R D C A T K F E A M A A E S M E N I K D D Q G A I L W L W S R H
UniRef90_R7UXJ8	Y I Q E F F G C R E C A K N F G K G A V Y I E E R V N T A D D A I L F L W R S H
UniRef90_J7S3C9	I F A E E Y P C R G D V N V F N E L V Q S D P I P T S N R F L L K L W G C H V H
UniRef90_T1JMP1	Y V K Y F F S C A E C S K H F S T L S I R L Q T D I R E P K D T V L W F W S T H
UniRef90_Q65163	N F I E S L P C T R C Q H H A F S Y L T K N P L T L N N S E D F Q Y W T F A F H
UniRef90_W4XF10	Y I L A F F S C Q N C R E N F R H E V A D L D D D S I T S L D S A I V W L W Q T H
UniRef90_L1I7X5	S I Y H V F P C P V C K S H F R S F Y H D E Q L Q L R S K H D A I L F A W K H
UniRef90_D6PJ69	R I C C N N L P C P D C A K H T Q Y M K T V N F D A I I T K E Q L K R M L F N F H
UniRef90_E3T5L5	N L G K I L P C Y K C S I N Y Q N H L K I N P L T L S N K N N L E N W V V S I H
UniRef90_A0A044TEQ9	W V A N F F G C L D C R R H F L H M T S T L Y P L T K S R Q D M M F Y L W R A H
UniRef90_U6NVF9	Q F A H F F S C A Y C A K H F D Q E V E T H K M H V S T R E E M V M W L W R V H
UniRef90_H9JY57	I F A Q F Y P C E P C S L D F
UniRef90_Q4A306	S L K Q V I P C E E C R G H Y S A W F D E N V K E F K S R D S L T T A L V N L H
UniRef90_B7PLS2	Y V S H F F T C S D C A A H F A S L A V G L E S K L R E P R D A V L W L W R T H
UniRef90_Q8QUR7	N L H V L I P C K T C R T N Y I K K I A H I D V D L R T R D D L F D L T V R I H
UniRef90_A0A044SVJ1	W V S V F F G C Q H C R K H F L Q M T L Q T F P Q V H R P E D T F M Y L W Q A H
UniRef90_Q4RUD3	Y V R H F F G C R P C A Q H F E E M A E E S L S E L S T L S A A V L W L W S R H
UniRef90_D0NPB3	F M K H F F G C V N C R D C A H F L K E V K K I K D A E D K P L A L R R W L W E Q H
UniRef90_H3DDH8	Y V R H F F G C R P C A Q H F E E M A E E S L S E L S T L S A A V L W L W S R H
UniRef90_UP100026596C6	Y V L N F F S C S E C R S H F E K M A A N I E S E L V N A N E S V L W L W R S H
UniRef90_M4BH74	Y I E N F F G C E E C R E H F M R L N K L A A I D I E E P H A V V L W I W R M H
UniRef90_M7BBD4	Y V W S F F G C R E C A Q H F E G M A A E S S M D K V R S V D R A V L W L W S R H
UniRef90_UP10003ADCF0F	Y V R F F F G C R D C A N H F E Q M A A A S M N R V D S L N S A V L W L W S S H
UniRef90_A0A024G0R7	F V E H F F G C E E C A D H F L E A N P P D V M S T A A S I L W L W E M H
UniRef90_B3RPG3	F V Q Y F F S C Q K C H F L K E A A T S S T V K S N D D A V L W L W R A H
UniRef90_F1KZK3	W V S S F F G C L H C R R H F L H M T T K L F P M N E R S D T T M M Y L W R A H
UniRef90_A0A044SAZ1	Q F W H F F T C S E C A T H F E G I L K R N M T A V V T P A D G V K W L W M T H
UniRef90_Q5UP54	S L G D V L P C R L C R E S Y K K F I T T G K T A L R N R H T L T K W F Y D V H
UniRef90_Q5UCB7	A F T H F F L C P C Q K H F G R I L A E A A A T A S R R D L V L W L W R T H
UniRef90_E4Y2M5	N F S T H F P C I G C R K D F S Q R I G K T Q T K L R S R D D L I I W L W K L H
UniRef90_K3X3R2	F M K H F F G C V Q C R D H F L A Y V K M I Q D A E N K P L T L K R W L W E M H
UniRef90_W4GK53	F V K N F L T C L P C R K H F L L A Y V E K L D N E V N K P K A L Y M W L W T M H
UniRef90_F1L1W7	W V D Q F F G C R H C R D H F I R M T T R T F P N V Q K S E D V F L Y L W K A H
UniRef90_C1MIM3	W I L T R F F P C D E C R S H F L E M I D D D G E S V Q G A S D A L L W S W R A H
UniRef90_G4YML6	Y M K N F F G C K D C R D H F M E V A E L A A S D A H G P H A V V V W A W K M H
UniRef90_F1KYW3	Q F I Y Y F S C E V C G K H F H N H V E K T K S A I R R A A D S I M W L W R A H
UniRef90_E5T0W5	Y V R E F F G C E E C A T N F G K G A A K I D E N V A E D V V L W L W R S H
UniRef90_K8EKD4	G F R K F F N C L E C R E H F L K M A E E T K F E I E T P P E I I A F W I W R R H
UniRef90_H3GXK6	Y V K N F F G C E E C R E H F M L S N P S D S K G P H A V V V M W I W K M H
UniRef90_D8LPI1	N T G H V L P C R F C R D S Y V H F S S E T P V E L H S R Q A L F E W L F I I H
UniRef90_Q00ZL8	V F F P C E E C R A H F L S L I E N F D A Y V D R A D G A A I W L W N A H
UniRef90_W2TVC2	F I V R F L S C E W C A K N F R K E V V T H K D Q V S T R P E M V M W L W R V H
UniRef90_B3LVJ7	Y L Y Y D C P Y C S N E F M K I S G G M D H V T T H E D E I L W L W A A H
UniRef90_F0WDA9	F I E H F F G C E E C V E H F L K E N P P A V M S Q E A S I I W L W D M H
UniRef90_E4X953	L N H F S C L E C R K N F K N E I I E L F P S D V S D H S S G V R W L W K L H
UniRef90_W8R9K4	S I P V F L P C K D C Q D H A F E Y I K N T N L D V Q S R D S L F V F F F D F H
UniRef90_A4S426	W V R H F F P C E E C R T H F L S L I E S P A T G F G D T D G A S M W L W K A H
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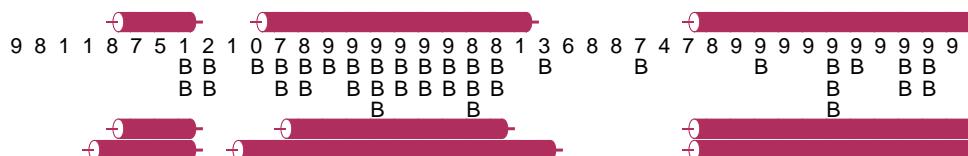
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D P R A F G P D A W Q M L H I F A Q N Y P E D P Q P Q V A Q A C E S F I N  
G L W T L A H A V T V E A H K Q E F S S V S S V L S P F R H  
G F W K L L H V M T V G V A E H H R G F A P M E A A D T L R E  
G L W L L Y H A L S V N S D P N T S D V L L V I K E  
S L W L I F H A L T V S E Y I K N N R Y K M E T L F A M R D  
M S A I R L  
G L W Q F L H G L T F M A T V S G G R T N S A V M A C I R A  
G L W T L F H G L T V P Q S T A T S P E A A A V A F G I R D  
G L W Q L F H V T V G A T E S P N L L D T D T A D F R N  
I G P A V W A F L H G S A E L I E T M P D A V R R R R F A A F F R  
P D F N P I E V P S A I Y G  
M I A I R L  
G P P T W L L W H T I A A R A A E D P S H A E F K R M L A F  
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G M W L L Y H S L T V N A A D E L T D N N T E V L F I I L D  
G L W V M F H A M T V N R K S G I T D G T A P I A H A L N R  
W I L F H T V A V L H G A K P A I T P Q Q V L N S I K E  
C S S Q W L L I W M Y G A Y I L D E N F T P E Q R K S I E V F Y K  
D S W G K N Y W R F L H A L S I H Y E K K S V R S L H N Y L A A L L L  
G F W K L L H I M S M G V S E Q P T F S A K E A G D V I R E  
S Y W L L F H K I S V Y C L M R D K E R Y Q F Y I N A L T N  
C S A Q W M L L Y H C I S T I S S L D E M P S K E A L E S I R I F I S  
G L W Q L F H S L A S R L P E T E N A G A V W L A A V V K G  
G H V V W F L W H T I A A R V A D I E T R C D G V D L K T L V G  
S Y W L L Y H K I S V Y C L Q H D K H N Y L Y Y I E A I T N

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jhmm  
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UniRef90_J0DNR0	N I V   N A R [L] R G P E F P K R Q F
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UniRef90_T1FTV9	N [L] V   N [L] N L H K P E F P
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UniRef90_B8BQ98	N S V   N S R L M K E
UniRef90_B8BR75	N T V   N D R L [L] R D R F
UniRef90_A9UQ00	N K V   N A R L
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UniRef90_B7FR17	N D V   N E R
UniRef90_S9V5S3	N [V V   N H H [L] A K
UniRef90_T1KRI9	N N I   S Q R L S R E N P D
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UniRef90_A0A024TUHO	N S V   N A R T N H S N F P
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UniRef90_R1F022	N A V   N S A V N K D C R V E E S F D E G C
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UniRef90_L1LAQ0	N S C   R T Q N G [L] K P K P F R Y V E
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UniRef90_F2Y2W3	N R V   N A K [L] K V P S V D Y E S I E
UniRef90_K6UN78	N A V   T [L] R
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UniRef90_U1MET5	N I V   N R R L H T D L T E D P Q F E K R
UniRef90_E1ZGS0	N V   N R R L A G E
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