

QUERY	1	10	20	30	40
UniRef90_B7IDL6	M A L I Q R V T R A S V T V E G V T G E I G A G L L V L L G V E K D D D D E Q				
UniRef90_F7YYU4	M R A V I Q R V K N A K V E V E G K T V G K I E N G L L V L L G V G K D D D N K E				
UniRef90_A4IR99	M R A V I Q R A K Q A S V A V D G K T V G S I G K G L L V L L G V G I R D T E A				
UniRef90_D2RLC2	M R A V V Q R V T E A S V T V D G K N V G A I G P G L L V L L G V A R E D T E K				
UniRef90_G1WJ25	M R A V V Q R V S S A S V A D G E T V G Q I G R G Y L L V L L G V G H N D T R A				
UniRef90_Q9WZI9	M R A V V Q R V S E A K V V G E E T V G A I K K G L L V L L G V G K N D T E E				
UniRef90_B6G1J9	M R A V V Q R V S R S E A V T V D G R T T G K I P P G L L V L L G V T H G D T S K				
UniRef90_R5BNF8	M R A V V Q R V S E A A V T V A G E T T G A I P P G L L V L L G V G K G D T D A				
UniRef90_B9L111	M R V L L Q R V S E A S V T V D G T L V S S I G Q G V L L L L G V R H G D D R A				
UniRef90_A0A011QWC4	M R A V I Q R V S Q A E V K V D G N V I G K I K K G L L V L L G V E D E D T E E				
UniRef90_L5N2Y3	M R A V I Q R T S G A S V E V A G E T I G K V G Q I G Q G V L L L L G V T Q E D T E E				
UniRef90_W7UXV7	M R I V L Q R V T S A S V R V D G E I I G K I G T G F L L L L G V G H E D T E E				
UniRef90_UP1000248D288	M R V V L Q R S K A A Q V T V D G E T V G R D H G L V L L L G V G I A D G D T E E				
UniRef90_UP1000478A756	M R V V L Q R S K E A S V T V D G E I V G Q P P F G L T L L L G V G I N H E D T M E K				
UniRef90_C3P993	M R V V L Q R S K E A S V T V D G E I V G Q P P F G L T L L L G V G I T H E D T E K				
UniRef90_F7UZ95	M R A V I Q R V T Q A Q V D I D G E T V G A G R G F L V L L G V G H T D T E A				
UniRef90_D0BKJ1	M R V V L Q R V A H A S V T V D G E I I G K Q R G F L L L L G V T H D D A M D E				
UniRef90_T0VPT2	M R A V I Q R V S E A S V A I D G T T V G A Q K G F L V L L G V I T H E D S Q E K				
UniRef90_X1HCQ0	M K A L L Q R T S A S V T V G E V V G Q E V A A G Q G F L V L V G V A S G D T E K				
UniRef90_F8AYAY1	M R A V V Q R V K Q A S V T V G E V V G S E E R G F N V L L G V I S K D D G E E				
UniRef90_W6S495	M R A V V Q R V T S S K V T V N G E V V G S E E R G F N V L L G V T H T D T E E				
UniRef90_H1PUU3	M R A V I Q R V K H S S V T V D G K V L G E G N G L L V L L G V I T H E D S Q E K				
UniRef90_S6ELE1	M R A I V Q R V T S S K V T V D G T T I G K S K G V N L L G I S K E D T E E				
UniRef90_N2ABT3	M R F V I Q R V T R S S V S V D G T T I G K G K G F L V L I G I S Q E D T Q E				
UniRef90_F9DVF8	M R V L L Q R A K D A S V T V D G E I I G S A K G Y V L L V G I T H D D S E K K				
UniRef90_B1C2E8	M R L V I Q R V S K S N V K V D G K I V G E G K G Y M V L V G I T E G D D E K K				
UniRef90_W4EPC7	M K V I L Q R S K K A T V T V D G Q V T G A E Q Q Y V L L V G L T H G D T K A				
UniRef90_U1X1M9	M R V V V Q R S K Q A S V T V H G E M T G K D S G L V L L V G I T H S D T T K A				
UniRef90_C0DB56	M R A V I Q R V A H A G V T V D G Q V L G K G K G F L I L G V S D E D T E E				
UniRef90_UP100037F94E0	M R I V L Q R S K E A S V T V N G E I T G R D S G F V L L V G V T H E D T E K				
UniRef90_S7TWB1	M K A V I Q R V K E S A S V S V E G R M V L G G R G I L V L L G V S R D D T P				
UniRef90_R5K0Y8	M R L V I Q R V N H A S V T V D E R E R I G A D R G L L I L F G I A D G D T E A				
UniRef90_H2J331	M R A V L Q R V K K A S V V V E N E I V G K G K G I L V L L G V G H N D T E N				
UniRef90_UP1000390338B	K V V V Q R C S S A S V S V G G A V V G S G Q G G L M L L V G L T H E D T E V				
UniRef90_C8NEJ1	M R I V L Q R V K S A S V S V G G A V V G S E N K G F L L L V G V G P D D N T D				
UniRef90_UP1000255C731	M R V V L Q R V K H A K V D I D G Q T V G Q E K G L L L L G V I K T G D T E E				
UniRef90_K9EC97	M R V L I Q R V S K A S V R I Q E E V V G K D Q G F L V L V G V E D E D G P				
UniRef90_H3NF69	M R I V L Q R V S Q A S V T I N G E V T G Q N R G F V I L V G V E D A D T M E E				
UniRef90_R7QYV6	M R F V I Q R V T Q A S V T V D N K Q I G A E K G F L V L V G V S G E D T K E				
UniRef90_S05SC8	M K A V I Q R A S K A S V S I E Q Q E V G K E R G L V L L V G V H E G D T Q A K				
UniRef90_UP1000360C0B1	M K I V L Q R S K Q A S V A I D G E V A G S E S G L V L L V G I T H D D T D K K				
UniRef90_R6XA21	M K L V I Q R V K N A K V E V E G N I V G K G K G F L V L V G I T H D D T D K K				
UniRef90_A4XI81	M R A V V Q R V K R A S V A V D G N A V G E D K G L C I L L G V G A N D D T E E				
UniRef90_M7EH66	M K I V V Q R V S Q A S V T V G K T V A S G Q G L L L L V G G P D D E A E E				
UniRef90_A8FFP8	M R L V V Q R V T S A S V K V E E I T G A N E G Y M V L V G V T H E D T E E				
UniRef90_C7XTZ0	M R V V L Q R V N H A Q V S V V D G E V I G K G K G Y M L L V G F G P D D T E E				
UniRef90_R6JS60	M R F V I Q R V N S A S V S V D D K V I G S G K G Y L L F G G E G D T K E E				
UniRef90_A6CU53	M K V V L Q R S R E A S V T A D G K L S G E T S G F V L L V G V T H E D T E E				
UniRef90_V8C3N9	M R F V I Q R V T E A A V R V D G E L L G Q E K G Y L V L V G V A E S D T E E				
UniRef90_D4LT46	M R L V I Q R V L H A E V Q V D G N T I G K G K G L L V F V G A G Q N D T K E				
UniRef90_B1R2Q3	M R A V V Q R V T S S S V T V D E K V I G S N E G F N V L L G C K D D T E E				
UniRef90_UP10003F72983	M K A V I Q R V S Q S S V T V D E K V I G S Q K G L L I L V G E E V D T K E				
UniRef90_R7JYV7	M R I V I Q R V K R A S V S V E E K V V G S Q K G F L V L L G V H E E D T K E				
UniRef90_S1P0W7	M K A V I Q R V K S A S V T I D D T I V G I P Q G F M I L L G V I H E E D T K E				
UniRef90_Q39RA1	M K A V I Q R V S E A R V V V D G E V V G A E R G I L V L L G V E K G D A E R				
UniRef90_R0FDH8	M R A L L Q R V S T A S V T V D T K V I G E G P G L L V L L G C A M Q G D S E D				
UniRef90_R5LKN0	M K L V I Q R C E R A D V K V D G K T V G E G K G F L V L L G V G K E D T E N A				
UniRef90_D5A4M8	M R V V I Q R V K S S Q V T V N Q I V G K N Q G L N L L V G I S A T D T E A				
UniRef90_D6DGX7	M K I V L Q R V S H A S V T V D E K V I G A G Q G F L V L L G V S D T D T E E				
UniRef90_A5UW19	M R A V V Q R V S Q A S V T V G D E V V G A G Q G L L I L V G G V G D S E A N				
UniRef90_U6BEK5	M R V V L Q R V K E A S V T V D G E V I G Q K G F L L L V G V T H E D T E E				
UniRef90_UP100041926DA	M K L V I Q R V S E A S V T I D N Q V K G E G S G L L V L A G I S P D D T S E E				
UniRef90_UP100037566BE	M K V V L Q R V K E A S V T V D D Q V V G Q E N G Y V A L V G V T H E D T E E				
UniRef90_UP100036DD730	M R L V I Q R C K S A S V E V N G E T V G S G H G L T I L V G V T G D D T Q A E				
UniRef90_M7NF94	M K V V I Q R V S G K A S V T V G D E V T G A D S G Y V L L V G V T H E D T E E				
UniRef90_UP1000366A72F	M R V L I Q R A S N S E V T V E E Q T G A G H G L V V L V G V T H E D T E E				
UniRef90_S0K109	M R A V I Q R V S Q A S V K V D G Q I V G Q Q K G F M V L L G V H Q E D T L E				
UniRef90_D5EDV1	M R A V V Q R V S S A S V C Y E G E R V G S D Q G L L V L L G V S G K D T A A				
UniRef90_R7DD14	M R I L I Q R V K R A S V T I S G K I K S K D T G L L I L V G V E E A D T K E				
UniRef90_UP1000466AADA	M K F V I Q R V L E S A S V K V D G E T I G E G K G L V V L I G V G R E D T K E				
UniRef90_F3A8B4	M K V V L Q K V K K A S V S V D N K I V G E D K G Y C L L V G V H K D S T S E E				
UniRef90_K2EVJ8	M K A V I Q R V K K A S V E I D N E L Y S Q G N G I L V L L V G V T H E D T S E E				
UniRef90_T4VWX8	M R A V V Q R V V A S S S V T V D E Q K I S N E K G L L V L L V G V T D D T D E E				
UniRef90_R7G8E0	M R V V L Q R V K H A S V K V D A T V C G Q E Q G F L L L V G V E R E D D D Q A Q				
UniRef90_A4VGDS	M K G L I Q R V R H A R V E V A G E I V G A D Q G L L V L V G V T H E D D T E E				
UniRef90_UP1000380731A	M R A V V Q R V R S A S V R V D G K I V G A E R G L L V F L G V G K D D T E E				
UniRef90_UP100029A1CBD	M R V V L Q R V S E A S V T V D G K I T G S E K G L L V L L G C V C E D D T E E				
UniRef90_UP10003B5D155	M R A V I Q R V K K A Y V E V D G K I T G S E K G L L V L L G V E P Q D D T E A				
UniRef90_F6AHC4	M R A L L Q R V S S A R V D I A G E T V G A D Q G L L V L V G V C P E D G Q E				
UniRef90_UP1000368CFD7	M K I V I Q R V S E A S V S I D G K I M G A Q Q G L L L V G D H G L V L L G I C P E D G Q E				
UniRef90_S0JR2	M R A V I Q R V S E A S V K I N G E I T G A A Q G Y M I L L G I H T E D T Q A E				
UniRef90_UP100046D3FCB	M R A V I Q R V K R A S V S V D G K I V S S E E G G L L V L L G C V C E D D T D E E				
UniRef90_X0RS25	M K I V L Q R V K N A H V K V D E T I V G E I Q A G V L L L V G G T H D D T E E				
UniRef90_B3QL07	M R C V Q R V R E A S V T I G E R F S S G A G G L L V L L G V S C E D D T E E				
UniRef90_UP100028A21F3	M K V V L Q R S K A A K V E S R I V G Q D H G L V L L G V I T H E D T E E				
UniRef90_W9B4X5	M K A V I Q R A K D A R V L V G E V V G S D N G L V V L L G I T H E D T E E				
UniRef90_A0KEZ2	M I A L I Q R V S E A S V T V E G E M T G A Q Q G L L V L L G V E Q G D D E A				
UniRef90_C2CFQ6	M R A V I Q K V K K A S V S V D N K L V S E I G Y G F M L L G V K D T D K E E				
UniRef90_D4J9E1	M R A V I Q R V S R A S V R V D G K I V G A E R G F L V L L G V A D D D T E E				
UniRef90_C6X2A6	M K V V I Q R V S E A R V K V D E N E T I G S I E R G F L V L L G V D E D D D E N T				
UniRef90_A7HLZ9	M R A V V R V T K A S V S V D G K I V G Q E G G L L V L L G V G K D D N D L D				

QUERY	50	60	70	80
UniRef90_B7IDL6	K A N R L C E R V L G Y R I F S D A E G K M N L N V Q Q A G G S V L V V S Q F T			
UniRef90_F7YYU4	D I K Y L A E K I I N L R I F D D E N G K M N L S L L D I N G E L L I V V S Q F T			
UniRef90_A4IR99	D L D W M C D K I I N L R I F E D E N G K M N L S L L D I V K G E L L V V S Q F T			
UniRef90_D2RLC2	D A A Y L A E K I I A H L R I F E D E D E K M N L S L L D I V G G A V L L S Q F T			
UniRef90_G1WJ25	D G A Y L A E K I L A G L R I F E D E D E K M N L S L L D I V G G S I L L V V S Q F T			
UniRef90_Q9WZI9	D A D K L W G K L G G L R I N D D E D G K T N L S L L D I V K G E V L V V S Q F T			
UniRef90_B6G1J9	D C E W L A D K I V S G L R I F E D E D E K M N L S L L D I V K G E V L V V S Q F T			
UniRef90_R5BNF8	D V D Y I V D K T I N L R I F E D E D E K M N L S L L D I V G G E M L A V V S Q F T			
UniRef90_B9L111	D A V Y L A D K I I V N L R I F E D E D E E K M N L S L L D I V G G E I L A V V S Q F T			
UniRef90_A0A011QWC4	T A E W L A H K I V A H L R I F E D E A G K M N R S L L D I V G G S A L V V S Q F T			
UniRef90_L5N2Y3	D V R Y L V R K I S S M R I F E D E E K M N R S I L S D I I G G A L L S I S Q F T			
UniRef90_W7UXV7	D A R Y L A K K I P Y L R I F E D E D E G K M N H S L M D I I G G E M L S I S Q F T			
UniRef90_UP1000248D288	D C R R L A D K I S G L R I F E D E Q G K M N H S V L E T G G Q V L L S I S Q F T			
UniRef90_UP1000478A756	D A R Y L A D K I S G L R I F E D E Q G K M N H S V L E T G G Q V L L S I S Q F T			
UniRef90_C3P993	D V N Y M V D K V I N L R I F E D E D E N E K M N L S L L D I V N G E V L L S I S Q F T			
UniRef90_F7UZ95	D A T Y I A E K I A N L R I F E D E D E S G K M N H S V L L D I V E G Q V L L S I S Q F T			
UniRef90_D0BKJ1	E V E R L W S K I S R L R I F E D D T D G K T N L S L L D I V A G E V L V V S Q F T			
UniRef90_T0VPT2	D M E Y L V R K I V Q M R I F E D E E G K L N R S I Q D I I G G E I L S I S Q F T			
UniRef90_X1HCQ0	D V D Y L V R K I K N L R I V F E D E A G K M N Q S I E A I I G G A I L S I S Q F T			
UniRef90_F8AYAY1	D A R Y L A Q K I V N L R I V F S D E R E R F N L S A L D I I S G G E V L L L V S N F T			
UniRef90_W6S495	D I D Y L A R K I V N L R I V F S D E R E R F N L S A L D I I S G G E V L L L V S N F T			
UniRef90_H1PUU3	D I K Y I K D K I I N L R I V F S D E R E R F N L S A L D I I S G G E V L L L V S N F T			
UniRef90_S6ELE1	E V N W M A S K V K D L R I F E D D A E G K M N L G L E D I K G G E L L V I I S Q F T			
UniRef90_N2ABT3	D L K Y I R D K V I N L R I F E D D E G N S K M N L G L E D I K G G E I L A I S Q F T			
UniRef90_F9DVF8	T A D R L V K K M T G L R I F E D D E G N G K T N L S L A D V V G G E L L L I S Q F T			
UniRef90_B1C2E8	D A A Y L A K K I I A G L R I Y E D D D G K M N R S I L L E V I E G G A I L S I S Q F T			
UniRef90_W4EPC7	I V D K M V E K L V N L R I F E D D T E N K M N L S L I D I I G G S I L S I S Q F T			
UniRef90_U1X1M9	D A D Y I A N K I A K M R I W E D T D G K M N H S L D I I D H G G A I L S I S Q F T			
UniRef90_C0DB56	D A E Y Y V A E K I A N L R I F E D D G D G K M N R S I V K D I V D G A I L S I S Q F T			
UniRef90_UP100037F94E0	V A D R L A D K I C K L R I F E D D E N G K T N L S L A D V V G G E L L V I I S Q F T			
UniRef90_S7TWB1	D A A W L A E K I V H L R I V F E D D E E K M N F S L L D K G G Q I L S I S Q F T			
UniRef90_R5K0Y8	D A E Y L L D K I R Y L R I F E D D E A G K M N R S I L L D I I S G G A L L V V V S Q F T			
UniRef90_H2J331	M V N K Y V K K I S G L R I F E D D E N G K T N L S L I D I I V G G E I L V V V S Q F T			
UniRef90_UP1000390338B	D I K W L A D K I M N L R I F E D D E N D K M N L S L L D I I K G E I L V V V S Q F T			
UniRef90_C8NEJ1	D I L T W M A D K V A N L R I F E D D G D G K M N L S V L D A G G G A V L S I V V S Q F T			
UniRef90_UP1000255C731	D A S Y L L A R K I A G M R I F S D E N G K M N L S I D Q I V G G K I L L S V V S Q F T			
UniRef90_K9EC97	D L R Y V V A D K L T G L R I F E D D E N G K M N D S I K E I V G G S V L S I S Q F T			
UniRef90_H3NF69	D V D Y L V R K V S Q M R I F E D E A G K L N L S I D Q I V G G S I L S I S Q F T			
UniRef90_R7QYV6	D V D Y L L T R K I A G M R I F E D E A G K M N H S L D Q I V G G S I L S I S Q F T			
UniRef90_S05SC8	I A D K M I K K I L I G M R I F E D E N G K T N L S L A D V V N G S L L L V V S Q F T			
UniRef90_UP1000360C0B1	D V D Y L V K K V A Q L R I F E D E Q G K M N R S I L E D I I Q G G E L L S I V S Q F T			
UniRef90_R6XA21	D A A W L A E K I I N L R I F E D E S G K M N E S L L D R G G G S I L S I V S Q F T			
UniRef90_A4XI81	E A D Y L V K K L C K L R I F E D E D E N G K M N L G L K D I V G G E L L I I S N F T			
UniRef90_M7EH66	D A N Y L L C E K I V N L R I F E D E T S K F N L S L K D I I D G E V L V V S N F T			
UniRef90_A8FFP8	D V N Y L A R K V L N L R I F S D E P E D K M N L S V Q D I I Q G G E I L S I V S Q F T			
UniRef90_D7XTZ0	D V H Y L A D K L A H R I F E D E N G K M N H S L L D I I V K G G S V L S I V S Q F T			
UniRef90_R6JS60	T L D Y M V H K I T N L R I V F E S E P G K M N L G L R D V D V D G A I L S I S Q F T			
UniRef90_A6CU53	M L V P F A D K I A K M R I F A D E D E N E K T N L S I N D V N G E I L V V V S Q F T			
UniRef90_V8C3N9	D A D W L A E K I I N L R I V F E D E A E G K M N R S I L D V V G G S L L L V V S Q F T			
UniRef90_D4LT46	I A D K M V K K M T G L R I F E D D E Q G K T N L L A L K D V V G G S L L L I V S Q F T			
UniRef90_B1R2Q3	I A D K Y L R K I L L G L R I F E D E K N G K T N L S L K D D V D D G E L L I V S Q F T			
UniRef90_UP10003F72983	D L Q Y L K D K I I N L R I V F H D E N D K M N L S I L D I I K G E I L A S Q F T			
UniRef90_R7JYV7	D I E W L L S S K I V N L R I F G D E N D V M N L S V K D I I D G D I I V M V S Q F T			
UniRef90_S1P0W7	T A D K Y M K K L L G L R I F E D D E N G K T N K S L A D V D G Q L L M V S Q F T			
UniRef90_Q39RA1	D V D Y L V R K I T M M R I F E D E A G K M N L N I D A V T A G G S I L S I S Q F T			
UniRef90_R0FDH8	D A A W L A E K I V A G L R I F E D E A G K M N L S V R E V T G G A V L V V S Q F T			
UniRef90_R5LKN0	E A A Q L V H K I S R L R I F F R D D A E G K M N R S V S D I I G G A V L V V V S Q F T			
UniRef90_D5A4M8	D C E R L I A K K M I G L R I F S P D P D N R W D K S V Q D I I G G G E L L V V V S Q F T			
UniRef90_D6DGX7	I A D K M V D K I C K L R I F Q D D Q G K T N L S L A D V V G G E L L V V V S Q F T			
UniRef90_A5UW19	I A D K L L A E K T A N L R I F A D E E G R F N R S L L D I I G G E A L V V V S Q F T			
UniRef90_U6BEK5	Q V N W L A D K I A G L R I V F E D D E E R M N R S L Q D V D G Q I L S I V S Q F T			
UniRef90_UP100041926DA	D L Q W L S K K A I Q L R I F N D E T G K M N K S I Q E V G G D I L L I I S Q F T			
UniRef90_UP100037556BE	D V N Y L V N K T I N L R I F E D D E N Q K M N L S L K D D V V S G G S V L S I V S Q F T			
UniRef90_UP100036DD730	D A L Y L A D K A A G L R I F E D D E D G R M N H S V E D V G G S I L S I V S Q F T			
UniRef90_M7NF94	D V R Y V V A N K V A N L R I F E D D E D G D G K M N L S L E A V G G S V L S I V S Q F T			
UniRef90_UP1000366A72F	D A F W L A E K I V A N L R I F E D D E E G K L N S L L D N E G A V L S I I S Q F T			
UniRef90_S0K109	D V A Y L L A K K I A K L R I V F E D D E N G K M N A A L A D V K G S V L S I I S Q F T			
UniRef90_D5EDV1	D A E W L V E K I V N L R I V F E D D E E R K L N R S L L D V V G G K L L V V V S Q F T			
UniRef90_R7DD14	D A E W L V A L K A T S L R I F D D E N G I M N R S V K D I I D G G S V L I I V S Q F T			
UniRef90_UP1000466AADA	I A D K M V K K L V G M R I F E D D E N G K T N L S L A D V D G S L L L L I I S Q F T			
UniRef90_F3A8B4	D A K Y L L A K K I A E A R L F E D D E N D K L N L G L K D D V D G G S I L S I V S Q F T			
UniRef90_K2EVJ8	D A K Y L L A K K I A E A R L F E D D E N D K L N L G L K D D V D G G S I L S I V S Q F T			
UniRef90_T4VWX8	U I R K K L L A S K C A Q L R I V F E D D E N G K L N Q G L Q D V K G K I L S I I S Q F T			
UniRef90_R7G8E0	D V D Y L L I E K I V N L R I V F E D D E D E K M N L S L K D D V D G G S I L S I I S Q F T			
UniRef90_A4VGDS	I V K K L L A S K C A Q L R I V F E D D E N G K L N Q G L Q D V K G K I L S I I S Q F T			
UniRef90_UP1000380731A	R A D K L L H K L L N Y R V F G D E Q G K M N R S L V K D I I Q G G E L L L L V V S Q F T			
UniRef90_UP100029A1CBD	D L E F M V W K V P R L R I F E D D E P Q G K M N L N V Q D I I Q G G A V L L C V P Q F T			
UniRef90_UP10003B5D155	D I S W L C N K I L K M R I F N D E A V M N C S L Q D I I Q G G E I L V V I I S Q F T			
UniRef90_F6AHC4	S C A K L L H K L L N Y R V F S D E A G K M N L S L K D I I Q G G Q I L L S I I S Q F T			
UniRef90_UP1000368CFD7	D I D Y A V R K I S Q M R I F S D K E G K M N L S V Q D I I G G G S I L S I I S Q F T			
UniRef90_S0JR2	D V E Y L L I G K I A K L R I F E D D E D E G K M N R S I V A A V S G G S I L S I I S Q F T			
UniRef90_UP100046D3FCB	D L E Y L L T K K I A H M R I F S D E N G K F N L S L V K D I I Q G G S C L L S I I S Q F T			
UniRef90_X0RS25	D I S Y L V D K V A N L R I F N D E S G K L N L S L L D I I Q G G Q V L S V S Q F T			
UniRef90_B3QL07	D L A W M S R K R I P N L R I F E D D E D G R M N R S V K E I I G G E L L L V V V S Q F T			
UniRef90_UP100028A21F3	D A L Y L A D K I S G L R I F E D D E T G K M N L S V L D T D G G S L L L S I I S Q F T			
UniRef90_W9B4X5	D A K Y L L V Q K I I H R I F E D D E N E K M N L S L Q D T D G G S L L L S I I S Q F T			
UniRef90_A0KEZ2	K A D K L L H K V S G Y R I F S D E N G K M N L N V S Q A G G G L L V V V S Q F T			
UniRef90_C2CFQ6	D I E Y I K K K I S K L R I F E D D E N E G K M N L S L K D D V V G G E I L M V S Q F T			
UniRef90_D4J9E1	D M A Y L V K K T Q M R I F E D D E A G K M N L S R D V V G G E L L L I I S Q F T			
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QUERY	90	100	110	120
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UniRef90_W7UXV7	L Y A D C R K G N R P N F I Q A A K P D K A N A L Y Y E Y F V E Y L R S K G K H V			
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UniRef90_UP1000478A756	L Y G D C R K G R R P N F M S A A K P A K A E E L Y Y D L F N E Q L K E K G I S V			
UniRef90_C3P993	L Y G D C R K G R R P N F M D A A P P D Y E H L Y D F F N E E V R K Q G L H V			
UniRef90_F7UZ95	L F A N C K K G N R P S F T E A G A P E D E A N R L Y E L F V E R A R R D V P R V			
UniRef90_D0BKJ1	L Y A D T K K G N R P S F S K A A P G D V A L K M F E Q F N G L L R D T G I P V			
UniRef90_T0VPT2	L Y G E T K K G N R P S F I Q A A R P E V A T P L Y Y E A F N A G L H A A G I E V			
UniRef90_X1HCQ0	L L A D T R K G R R P S F T D A A P P A E A E E L Y F Q Q F V D E V R A S G L K V			
UniRef90_F8AYAY1	L Y G D C R K G N R P S F A K A A P P E L A E K L Y L S L A E A I K A E G V P V			
UniRef90_W6S495	L Y G D C R K G R R P N F M A A L G G N E A E I L Y N K F L E E I L K K E G I K V			
UniRef90_H1PUU3	L Y G N C I K G R R P G F T D A A R P D L A E P L Y Y E K F L E K C R S F G I K T			
UniRef90_S6ELE1	L Y G D C R K G R R P N F M N A A E S G E K A K E L Y Y N K F I D L L K E S G L K V			
UniRef90_N2ABT3	L Y A N C K K G N R P S F T E A G S P E K A N A L Y Y E Y I I Q A C R E K V P V			
UniRef90_F9DVF8	L Y G N V Q K G R R P S F I D A A R P E Q A E P L W E Y F N E Q L R N E G L H V			
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UniRef90_U1X1M9	L Y G D T R K G R R P S F V D A A R P E Q A E P L Y Y D F F N E K L R E Q G G L R V			
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UniRef90_H2J331	L Y G D C R K G R R P S Y S N A A K P D K A N E Y Y E K F M K Y I E D N Y I K V			
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UniRef90_UP1000255C731	L Y G N T S K G N R P S F I E A A R P E I A E P L Y Y H A F N E K L R A N G L H V			
UniRef90_K9EC97	L H A N T K K G N R P S F V R A G Q P D H A E K L Y Y Q E F N Q K L K D Q G L P V			
UniRef90_H3NF69	L H A S T R K G N R P S F T R A G D P D H A E Q L Y Y D A I N D R L R K E G L T V			
UniRef90_R7QYV6	L Y A D C R K G N R P S F I R A G E P G M A K E L Y Y E Y I I A E C K K S V P N V			
UniRef90_S05SC8	L F A D T K K G N R P S F I A A A R P E T A I P L Y Y E S F E G I K Q R G I P V			
UniRef90_UP1000360C0B1	L Y G D C K K G R R P N F M A A A G G E R A N I L Y Y E Q F N D M I R G K G I H V			
UniRef90_R6XA21	L Y A D C S E G N R P S F V N A A K P E M A N V L Y Y E Y F C E E C K K N E I K V			
UniRef90_A4XI81	V M G D A R K G R R P N F M F A A D K E K A E R L Y Y N Y F V E R L K G L A K K V			
UniRef90_M7EH66	L F A N T K K G N R P S F T E A A S P Q I A R K L Y Y Q D F N K L L S K I L P V			
UniRef90_A8FFP8	L Y G D T R K G R R P N F M K A A K P D A A N A L Y Y E C F N K A L R E K G I H V			
UniRef90_C7XTZ0	L Y A D V K H G N R P G F S K A A K P S L A E P L Y Y D Q F N R K L A A T G I P V			
UniRef90_R6JS60	L Y A D C R K G N R P S F V H A C E P V L A N E L Y Y E E F V R L C R Q R V S K V			
UniRef90_A6CU53	L Y G D C R K G R R P N F M E A A K P H A E E I Y Y N Y F N D E L R K K G I R V			
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UniRef90_D4LT46	L Y A N C K K G N R P S F I E A G G E P H M A E A L Y Y E Y M I E E A K K S V P V			
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UniRef90_UP10003F72983	L H A S T K K G N R P S Y I K A A K P E F A I P L Y Y N Q F I Q V E K D A K K V			
UniRef90_R7JYV7	L Y A N C K K G N R P S F T E A T G E P H R A E E L Y Y E Y M V A K A R E Q V P V			
UniRef90_S1P0W7	L Y A D T K K G N R P S F V K A A R P E Q A I P L Y Y E A F N E G L R Q S G L H V			
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UniRef90_D5A4M8	L Y G D C R K G R R P S F D R S A A P P E A A E K L Y Y Q L F I E K L R I S G L K V			
UniRef90_D6DGX7	L Y A D C R K G N R P S F I K A G A P E L A N R L Y Y E Y V V E R C R T Y V D K V			
UniRef90_A5UW19	L Y A D T R R G R R P S F S D A A P P E I A A P L Y Y V D V F A G E L R R R L G V A V			
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UniRef90_UP100041926DA	L Q A S T K K G N R P S Y I G A A P P N I A I P L Y Y E Q F I I Q V L E I D G K A I			
UniRef90_UP100037566BE	L Y G D V R K G R R P N F M K A A K P D V A E N L Y Y E Q Y N Q K L R A E G I N V			
UniRef90_UP100036DD730	L Y G D C R K G R R P N F M A A A R P E P A L E L Y Y E A F N E A L R A R G L K V			
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UniRef90_UP1000366A72F	L H A E T K K G N R P S F I Q A A R P E L A I P L Y Y E A F N Q A L I D Q A I P V			
UniRef90_S0K109	L Y G N C R K G R R P S F V E A A P P E V A D A L Y Y N V F V T K A K E R N I P V			
UniRef90_D5EDV1	L Y G N C R K G R R P S F Y I K A A K H E H A I P M Y E A L C H Y T Q E I G K S V			
UniRef90_R7DD14	L H A S T K K G N R P S F I E A G D P K E A R R L Y Y E Y I I D A C K S H I P V			
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UniRef90_T4VWX8	L Y G D C K K G R R P N L T G A A K P D L A N N L Y Y E E F I E K A K K Q N I N V			
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UniRef90_UP1000380731A	L Y G D C R K G L R P S F D E A A P P E M A R Q Y Y E E F L R R L R G T G V R V			
UniRef90_UP100029A1CBD	L H A S T K K G N R P S Y I K A A P E T A P L Y Y K D F L E I E N Q L G K N V			
UniRef90_UP10003B5D155	L A A D T K K G N R P S Y F Y A A K P E K A K Q F Y E K F N E I C K K E H I E V			
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UniRef90_UP1000368CFD7	L F A D T K K G N R P A F T G A A K P D M A A R L Y Y E Q F N R Q L A I H L P V			
UniRef90_S0JR2	L Y A E T K K G N R P S F I K A A R P E I A P L Y Y D A F N E G L R Q L A I P V			
UniRef90_UP100046D3FCB	L A A D T K K G N R P S Y F Y A A E P Q K A Q Q L Y Y Q R F A E L M Q N K H I P T			
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UniRef90_A0KEZ2	L A A D T N K G M R P S F S G G A H P V E A E R L Y Y D Y F V A Q A A A S G L P T			
UniRef90_C2CFQ6	L Y G D C R R K G N R P S F S Q S A K A D K A E K Y Y E I I L I N Q L K E E G F E V			
UniRef90_D4J9E1	L F A S T K K G N R P S F T E A G A P P D F S K D M Y L K F I A A C R D C G I H T			
UniRef90_C6X2A6	L I A D Y K K G N R P S F I G A K P K A L P L F E Y F K N K I A G S G L K T			
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130 140

QUERY	
UniRef90_B7IDL6	Q T G R F A A D M Q [V] S [L] V N D G P [V] T F W L Q [V]
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UniRef90_D2RLC2	E T G V F G A M M D [V] S [L] T N D G P [V] T L I I D
UniRef90_G1WJ25	A T G Q F Q A H M E [V] A L V N D G P [V] T I L L D
UniRef90_Q9WZI9	A C G R F G A D M K [V] S [L] V N D G P [F] T I I L D
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UniRef90_R5BNF8	E T G R F R T H M M [V] S [L] T N D G P [P] V T I L L D
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UniRef90_L5N2Y3	E T G E F G A M M N [V] Q [L] T N D G P [F] T V I L E
UniRef90_W7UXV7	E T G S F G A D M K [V] E L L N D G P [V] T L I V E E
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UniRef90_F7UZ95	E T G R F F A A Y M D [V] S [L] V N D G P [F] T L W L D
UniRef90_D0BKJ1	E T G Q F G A D M K [V] E S [L] L N D G P [P] V T I L L D
UniRef90_T0VPT2	A T G R F G A D M Q [V] S [L] I N D G P [P] V T I L I D
UniRef90_X1HCQ0	A T G R F Q Q Y M Q [V] E I H N D G P [P] V T I M L D
UniRef90_F8AYA1	K T G K F R A Y M E I S S [L] I N D G P [P] V T L L L D
UniRef90_W6S495	E A G I F G A D M K [V] S [L] I E N D G P [P] V T L L L E
UniRef90_H1PUU3	E C G E F G A D M K [V] E S [L] L N D G P [P] V T M I I D
UniRef90_S6ELE1	E T G E F G A H M E [V] D S [L] I Q N D G P [P] V T L L L E
UniRef90_N2ABT3	E T G S F G A E M E [V] D S [L] V N D G P [F] T I L L L E
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UniRef90_F8F3E1	D A D Y L L A E K I V A G L R I F T D E D K M N L S V Q D I G G G I L V V S Q F T				
UniRef90_E1VBJ8	R A E R L L H K L L H Y R V F A D E T G R M N H N L N V H D A G A L L S V S Q F T				
UniRef90_E8U9Y3	H A D T L A A K I T K L R I F P D D D E K M N R S L D V A G R M L V V S Q F T				
UniRef90_UPI00029ABC47	D A S Y L A E K I V S L R I F P D D D E K M N R S L D V A G R M L V V S Q F T				
UniRef90_UPI00035DA974	D A V Y L A D K I V G L R I F H D E T G K M N C S L K D V G G S L L V V S Q F T				
UniRef90_H0JFW4	A C S R M L K R L L E Y R V F A D G E Q R M N L S L Q D V G G G L L V V S Q F T				
UniRef90_R6RAX7	T V D Q Y I K K M V N L R I F A D E N G K M N R G L S A D V G G E V L L V S Q F T				
UniRef90_R2SJ09	D V A Y L L V R K I S K L R I F E D E K G K M N L S L Q E I Q G S I L S V S Q F T				
UniRef90_UPI0002FA41D5	A A K F L A D K V V N L R I F E D G E G K M N L S L L D V G G D I L S I S Q F T				
UniRef90_Q5WHP9	D V R F C A E K V A H R I F E D S S A K M N E S V L D Q G G S V L I V S Q F T				
UniRef90_K0B267	D I D Y L C E K V N L R I F E D D N S K M N L S L D I E Q G D I L S I S Q F T				
UniRef90_U5FAQ6	I V K K M A K C A E L R I F E D E Q G K M N R G L S D I V G G E L L L V S Q F T				
UniRef90_J5GXN7	I V E K Y F N K L I K R I F E D E N G K T N L S L K D V G G E L L L V S Q F T				
UniRef90_E6LDR2	D V Q Y L V K K I T Q L R I F E D A D G K M N D S L A A I H G G I L S I S Q F T				
UniRef90_W8GEF5	K A R R L C E R V V L G Y R I F S S D E N D K M N L N V Q O A G G S V L V V S Q F T				
UniRef90_UPI0002490F8A	E I N Y L V H K I S K L R I F S S D D A G K M N L S I E D I G G E I L S V S Q F T				
UniRef90_W8F027	R L D W M A R K L V Q M R I F S S D D E G K M N R S V Q D V G G E V L V V S Q F T				
UniRef90_A0LL48	D I R Y L S E K I V N L R I F P D A S D K M N L S V R E V V G G S V L S V S Q F T				
UniRef90_UPI000464AF2C	Q V D Y L V R K I S R L R I F S S D A A G K M N L S I A D V V Q G G E L L V V S Q F T				
UniRef90_Q2BHY2	R A D K L L K K I L G Y R I F P D Q E G K M N L S V Q Q V Q N G E L L V V S Q F T				
UniRef90_I3VW08	D V E Y I S D K I A N L R I F D D D E G K M N L S I I D V G G E I L L V V S Q F T				
UniRef90_UPI0002D5A568	Q A D Q L A A K I S K M R I F K D D A G K M N R S V L D T G G G V L V V S Q F T				
UniRef90_U1JDQ8	T A D K L L H K I A N Y R I F T D E A G K M N L S V Q N I Q G G E L L V V S Q F T				
UniRef90_K9RAD7	E L E W M A R K C L D L R I F P E E N S R W Q K S V L E I Q G G E L L V V S Q F T				
UniRef90_L0FB99	D L D W L V D K I V G L R I F E E D G K M N R S I L D V I G G E V L M V S Q F T				
UniRef90_UPI000361D752	D A D K M I S K V L S Y R V F P D E D N Q K M N L S L K D I S G D I L L V V S Q F T				
UniRef90_U7VFV0	E V D W L A K I T D L R V F N D S E D K M N L G L K D V N G E L L I I S Q F T				
UniRef90_B7C8Q6	I D K M I H K I L F L R I F E D E N G K M N K S I Q D V N G S I L S I S Q F T				
UniRef90_R6BFQ9	D V D Y L V K K V T N L R I F S S D E N D K M N L S I K D V N G E L L I V S Q F T				
UniRef90_A3PI75	Q A S A L A A R I A K L R I F K D D E A G K M N R S V R D T G G A A L V V S Q F T				
UniRef90_Q03F48	D L D F A V R K I V N M R I F E D E Q A K M N L S I N D V K G A I L S V S Q F T				
UniRef90_S6CDQ4	E A E R L W R K I A K M R V F E D D E G K M N R S L K D V G G S V L S I S Q F T				
UniRef90_UPI0003796A71	D V L Y L A R K I S N M R I F F D D A Q G K T N L S I N D V K G A I L S V S Q F T				
UniRef90_R7EAY0	I A D K Y L K K I L Q R I F F E D E N G K T N R S I L D V S S G S L L L I S Q F T				
UniRef90_F5T8P9	V A D K M L K K I L D A R L F E D D E N G K T N L S I R D I S L R I S Q F T				
UniRef90_A5FSN9	D A E Y L A S K I I N L R I F S S D A E G K F N L S I K D D I C R E M L V V S Q F T				
UniRef90_UPI000288906D	D I E W L S G K I V N L R I F F E D E Q G V M N K C S I V L D G E I L I V S Q F T				
UniRef90_UPI00041057A9	D L L W M A E K L L H R I F F E D D E E N K M N R S V L D H G G K V L S I P Q F T				
UniRef90_UPI0003A394C2	E V K W L A N K I R D L R I F F E D E N Q K M N L A L G D I V G G E V L I I S Q F T				
UniRef90_C0BVW3	T A D K M V K V M L G R I F F E D E N Q G K T N L S I D T V G G G M L V I S Q F T				
UniRef90_R6N0K3	D M K Y I A D K I I K K R I F F E D E N D K M N L S I E D V G G G M L V I S Q F T				
UniRef90_UPI0002FF7410	D V R Y V A E K I A N L R I F F E D D E G K M N C S I F E T G G A I L S I S Q F T				
UniRef90_I1XQX8	K A D K L L A E K V L N Y R V F S S D A D D K M N L N V Q Q I G G E L L V V S Q F T				
UniRef90_UPI000374BBA7	U I A D K L L K K I L N Y R V F S S D A D D K M N L N V R D T S G G G L L L V V S Q F T				
UniRef90_R5Y2B6	D A E W L C K V A N L R I F F D D E N G V M N L S I V L D G E I L I I I S Q F T				
UniRef90_UPI00036E2F25	K A D K L V N K I I A Y R I F S S D A E G K M N C S I K D D I D N G E I L L V V S Q F T				
UniRef90_R5KLA8	V A D K L I R K I L G L R I F F A D E N G K T N L S I S L T D V N G E I L I V S Q F T				
UniRef90_C3X4Y8	E A D L L L E R I L N Y R V F P D A S G K M N L S I V L D G E I L I V P Q F T				
UniRef90_Q4QMP6	K A D K L I E K V L N Y R V F S S D A D D K M N L N V Q Q A Q G E I L I I S Q F T				
UniRef90_A5N1Z2	D I S Y M K D K I L N L R I F F E D D E G K L N K S I L D V Q G E I L I I I S Q F T				
UniRef90_A6LG62	D I E W L A K K I T N L R I F F D D E N G V M N R S I V E A G G E I M V V S Q F T				
UniRef90_UPI000471B430	D A A Y L A D K I I N L R I F F D D E Q E K M N F S I L D V H G Q I L S V S Q F T				
UniRef90_D9R2H2	I A D K M A D K I C K L R I F F D D E N G K T N L S I K T D V D G G I I V V S Q F T				
UniRef90_G2PKK2	D I D W L T N K I V N L R I F F D D E N N I M N H S I V T D V D G G I I V V S Q F T				
UniRef90_R5N759	E A D F L V N K I L N L R I F F D D E N E K M N L S I K D V N G E I L I I I S Q F T				
UniRef90_V7HSD3	D I D Y L V R K I I G A R L F S D A E G K M N L S I G Q V G G A I L S I S Q F T				
UniRef90_UPI0003696B5D	D A A Y L A R K I A G L R I F F D D E G G K F N L S I L K D V N G E I V V V S Q F T				
UniRef90_W6M5P9	Q A D R L L E R I L G Y R V F A D A D G K M N R S I V R D I G G G L L L V V P Q F T				
UniRef90_K4IA12	D I A A W L V K K I I H R I F F P D D D E G K M N L S I V L K D I E G E I L V V S Q F T				
UniRef90_UPI00034691A9	E I D W M A R K I L N L R I F F P D E R S N F Q H S I V R E I V G G E I L A I S Q F T				
UniRef90_X6KWF0	E A D R L L A S K I A K L R I F F D D E E G R M N R S I V L D V G G A A L V V S Q F T				
UniRef90_F4A6A9	D A K Y I K K K I I N L R I F F D D E N G K M N K S I L K D V N G E I L I V S Q F T				
UniRef90_UPI000300EEC4	N A D K L L H K I L N Y R V F S D E A G K M N H N L V Q Q A Q G G G L L L V V S Q F T				
UniRef90_S7VTK0	D I D W L C N K I A N L R I F F P D E D G V M N I S L V L K A S E G N V I L V V S Q F T				
UniRef90_H1X5C2	E L D Y L V R K I T G L R I F F D E A G K M N L S I V Q D V G G S I L S I S Q F T				
UniRef90_G9ZH50	Q A A R L Q Q K I L N Y R V F A D A D G K M N L N V I D A A G E I L L V V S Q F T				
UniRef90_R5YT68	I A D K F V K K I C K L R I F F E D E N K K M N K S I V K D I D N G D I L I I S Q F T				
UniRef90_G8QW37	Q L T W L C N K I G K L R M F T D E N G K M N L S I V A D V K G E I L V V S Q F T				
UniRef90_B7K3F6	E L D W M T R C L E L R I F F P A E E D R W E K S V Q E I Q G E I L L V I S Q F T				
UniRef90_R5QV78	I A D K Y L Q K I I G L R I F F D M E G K T N L S I V K Q V E G E I L L L I S Q F T				
UniRef90_A0A024PYW1	D A K Y L V N K I I N L R V F F D Q D G K M N L S I L K D V E G S I L S I S Q F T				
UniRef90_Q6AS26	E I K W M A E K I R H R I F F D D E G K M N H S I V R D V A G E I V A I S Q F T				
UniRef90_R6ZS48	I A D K M V N K I L N R I F F D E Q G K T N L N L K S V S V S L Q D R G G K M L I V S Q F T				
UniRef90_S9SAZ3	R P A L L A G R I A R L R I F F D E A G K M N R S I L R D T G G A A L V V S Q F T				
UniRef90_B9XJY5	D I E W L S G K I V R L R I F F D D A N G V M N L S I V Q Q E S Q G E I L L I I S Q F T				
UniRef90_UPI0003711B00	H A D F L L A K K S V N L R I F F E D D E G K M N L S I V K D I C C Y G E I L L I I S Q F T				
UniRef90_X7EH4	E A D R L L A R I A K L R I F F K D D E A G K M N H S I V R D A H G A A L V V V S Q F T				
UniRef90_Q5QV32	S A A K L A Q R I A N Y R V F S D D V E D K M N S I V L D A Q G E I V V V S Q F T				
UniRef90_G2SWV7	I A D K M K I L G L R I F F D E D A G K T N L S I V L D V G G S I L L L I S Q F T				
UniRef90_R71UR1	Q A D Y L V K K I C N L R V F S D E N D K M N L S I V K D V G K L L I V S Q F T				
UniRef90_U7HJ90	T A R R L A E R I A G Y R V F A D E Q G K M N L D V R D V A G E I V A V S Q F T				
UniRef90_Q1DDE5	D V A W M V K E K I A T L R I F F D D A A G K M N L S I V E E T S R Q L I V V S Q F T				
UniRef90_I0WKJ4	D I N W L T G K I V R M R I F F D D E A G V M N L S I L E E I G G E I V V V S Q F T				
UniRef90_UPI000248F8DB	D I D W L V K K I T Q L R I F F P G Q A G T D K S V Q D I D G D I L L I I S Q F T				
UniRef90_I1DT63	D I A K L A H V L H Y R V F A D A N G K M N L N V Q Q A G G S I L V V S Q F T				
UniRef90_UPI00037A859B	D V K W L S L V N L R I F F D D E N G V M N L S I V K D D I G E I I V V V S Q F T				
UniRef90_C5BPU7	T L G R M A Q K I L K Y R I F F D S E G K M N L S I T D T G G G L L V V S Q F T				

	90	100	110	120
UniRef90_R7GRP0	L Y A D C R K G N R P S F V Q A A P P A L A N Q L	Y A H F Q A Y C K Q T I P I V		
UniRef90_UP10003FD93EF	L Y G D V R K G R R P N Y M E A A R P E Q A S V L Y E V F N D E L R K Y G L R V			
UniRef90_Q1WTX9	L Y A Q T R K G N R P S F T R A Q N P D I A S K N Y D K F N E K L R E S G V Q V			
UniRef90_Q97GU2	L Y G D C R K G R R P S F I E A L S G D K S E K I Y N D F V D L C R K E V P N V			
UniRef90_E6TV88	L Y G D C R K G R R P S Y S D A A E P E K A N R L Y L Y F V D Q L R K R D F T V			
UniRef90_F8F3E1	L L A D A R K G R R P S F I A A A P P D E G E R L F H A E K L Y H L F N N K L R E Q G M T V			
UniRef90_E1VBJ8	L A A D T R K G L R P G F S S A A P P D E G E R L F H A E K L Y H L F N N K L R E Q G M T V			
UniRef90_E8U9Y3	L Y A D T R R G N R P S F T G A A A P D H A R A L Y A H F N G A L R A H G L T V			
UniRef90_UP100029ABC7	L Y G D C R K G R R P S F I K A A R P E Q A D N L Y R I F V A E V Q G R G V P T			
UniRef90_UP100035DA974	L Y G D C R K G R R P G F D Q A A P P E E A K V L Y E Y F L S L C R E K D L T V			
UniRef90_H0JFW4	L A A D T R S G R R P S F F D A G E P D K A E A L Y F N H L V G L A R D L H P E V			
UniRef90_R6RAX7	L Y A N C K G N R P S F I G A G G S P D E A K R L Y E Y M V E K V K E S V P V V			
UniRef90_R2SJ09	L Y A E T K K G N R P S F I A A A P E V A I P L Y E Q F N K Q L K E L A I P V			
UniRef90_UP10002FA41D5	L Y G D C Q K G R R P N F M E A A K P E F A N E I Y N V F N E A L S S K G V K V			
UniRef90_Q5WHP9	L Y G D C K K G R R P N F M R A A K P E K A K L Y E R F N S Y L R E L G L V V			
UniRef90_K0B267	L M G D I R K G R R P N F T D A K P D I A E K V Y L D F I E K C K S Y I K K I			
UniRef90_U5FAQ6	L Y A D C K K G R R P G F E K A A H P A Q A N P L Y E Y F L F N K E L R S Y G L Q V			
UniRef90_J5GXN7	L L A N C K E G N R P S F I G A G G S P D E A K R L Y E Y M V E L G K K S D I H T			
UniRef90_E6LDR2	L Y A Q T K K G N R P S F V A A A P E V A E P L Y E Y A F N Q A L R E Q N I P V			
UniRef90_W8GEF5	L V A D T Q K G M R P P F S R G A L P Q E A N R L Y Q Y F V A Q C R E R G V K T			
UniRef90_UP10002490F8A	L Y A D T K K G N R P S F I G A G G S P D E A K V L Y Q Y F V A Q C R E R G V K T			
UniRef90_W8F027	L L A D A R K G N R P S Y T G A A P P P V A I P L Y E Q F V Q L V S D L G R A V			
UniRef90_A0LL48	L F G D C R K G R R P S Y A G A A P P E L A R R L Y G E F V E E L K K Q A V P V V			
UniRef90_UP1000464AF2C	L Y A N T K K G N R P S F V G A G D P D H A H Q L Y D E F N T K L A A T G I P V			
UniRef90_Q2BHY2	L V A D T Q K G L R P S F S S G A S P E L Q E Q L Y D Y F T E Q A L K S G L T I			
UniRef90_I3VW08	L L G D V R K G R R P N Y M N A A K S E K A L Y L F D M L C N K L S E T G L P V			
UniRef90_UP10002D5A568	L A A D T R R G N R P G F S T A A A P A E G E R L Y E Y F A D Q L S A L G L E T			
UniRef90_U1JDQ8	L A A G T K K G M R P S F S S A A T P V Q A E A L Y N Y F T E R A K L L G I K V			
UniRef90_K9RAD7	L A A V T K N G T R A G F S T A M P P N E A E N L Y N Y F V A R T R A F N L K T			
UniRef90_L0FB99	L Y G D C R K G R R P S F S S A A P P E E A K I L Y F Q A V E K I R G Y G I H V			
UniRef90_UP1000361D752	L Y G N C I K G R R P P A F I D A A K P D V A N E L Y E K F L K K C K D L G F K T			
UniRef90_U7VFV0	L Y A A D C K K G N R P S F T N A G K P D V A T V L Y D Q F N Q K L Q D Q G M H V			
UniRef90_B7C8Q6	L Y A N C K E G N R P S F V E A A K P D I A I P L Y E Y F V S E C K K I I P V V			
UniRef90_R6BFQ9	L A A D T S R G N R P G F S A A A P P A D G E R L Y R H F A A E I A A C G I P T			
UniRef90_A3PI75	L F A S T K K G N R P S F T K S G N P E L A S K L Y D Q F N Q A K L R A T Q I E V			
UniRef90_Q03F48	L Y A Q T K K G N R P S F I D A A A P E Y A N K L Y E Q L N E C I R A E G I T V			
UniRef90_S6CDQ4	L Y A N C R H G N R P S F T D A A D P A I A R R L Y E Y F A E L A R T D G F T V V			
UniRef90_UP10003796A71	L Y A D T R K G N R P S F I Q A G D P A H A N A L Y E Y F L Q K A E E A G I P T			
UniRef90_R7EAY0	L I A A D T R K G R R P S F I E A A A Q P Q E A D G L Y N V F I R L C R E E G T Q V			
UniRef90_F5T8P9	L H A S T K K G N R P S F T D A G D P D K N A E R L Y K Y L I A K A K E Q V P V V			
UniRef90_A5FSN9	L Y A D T R K G N R P S F I Q A G D P A h a n a l y e y f l q k a e e a g i p t			
UniRef90_UP1000288906D	L Y G D T K K G R R P S F S Y I R A A K P D F D A I P M Y E K F I S Q V E S D G K K V			
UniRef90_UP100041057A9	L Y G D S R K G R R P N F M Q A A K P E Q A E A L Y H R F N E L L R Q K G A A V			
UniRef90_UP10003A394C2	L Y G N C I K G R R P G F I D A A R P E L A E N L Y L Q K F I E E F K S F G I K T			
UniRef90_C0BVW3	L Y A N C K K G N R P S F I L E A G G P E M A E E M Y M Q Y I I D R C S E Q V E V V			
UniRef90_R6N0K3	L Y G D C S H G R R P Y F G N A M E P V S A N E M Y E K F V A Y I R E Q G I H T			
UniRef90_UP10002FF7410	L Y G D T K K G R R P S F S E A A K P E V A K P L W E L F N Q E L V D K N L Q V			
UniRef90_I1XQX8	L A A D T Q K G L R P S F S K G A S P Q L A N E L Y L G Y F V R K C G D K L K V			
UniRef90_UP1000374BBA7	L A A D T H K G A R P S F S S A T P D D A R T L F D Y L L A R A Q G H C H P V V			
UniRef90_R5Y2B6	L F A S T K K G N R P S Y I R A S K P P H A I P L Y E T F C R Y I R E T G K E A			
UniRef90_UP100036E2F25	L A A E T N K G L R P G F S T A A A P P D L A Q E L Y Y Q Y M I A A L K A K S I K I			
UniRef90_R5KLA8	L C A D C K K G N R P S F T K A G N P E K A N A L Y E Y Y V L S A C R E K I A V T			
UniRef90_C3X4Y8	L A A D T R S G T R P S F T P A A P P D V G R K L F L S Y F V N K A A M K H P G V			
UniRef90_Q4QMP6	L A A D T Q K G L R P S F S K G A S P A L A N E L Y E Y Y F I Q K C A E K L P V			
UniRef90_A5N1Z2	L Y G D C R K G R R P S F I K A L L G G E K A R S V Y N E F I D Q C K D S V H N V			
UniRef90_A6LG62	L H A S T K K G N R P S Y L K A S K P D I A I P M Y K A F C E E V G L Q G K P V			
UniRef90_UP1000471B430	L Y G D C R K G R R P N F M E A A K P D Q A K V L Y D R F N E L L Q E K N V H V			
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UniRef90_G2PKK2	L H A Q T K K G N R P S Y I K A A Q P D V A I P M Y E K F V Q V L E Q K G K K V			
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130 140

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UniRef90_R5KLA8	E S G I F G A D M R V D D L S N D G P F T I I F D
UniRef90_C3X4Y8	Q T G Q F G A D M Q V S S L V N D G P V T F W L D
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UniRef90_I0WKJ4	G T G I F G A D M K V Q L L I N D G P V T I C I D
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UniRef90_D8P905	M K A V I	Q R V T R A S V V E V E G G I V G R G A G L L V L V L V G V V A K G D D E			
UniRef90_R6T1U6	M R L V I	Q R V R E A S S V S I D G E K V V S A G K G L L V L V L V G V V E T G D T E D			
UniRef90_UP1000424A16C	M K A V I	Q R V L E A S S V E I E N K V V A Q N Q G L L I L I V G I E E A D N Q E E			
UniRef90_F2NPA5	M R A L V	Q R V S E A R V V V E G E V V G E E K G F L V L V G G A H H S D T P E			
UniRef90_B5JM93	M K A V V	Q R V T Q A S V S V T L D Q V H S S G T G S L I L L G I H K D D T P D			
UniRef90_K2GAV5	M K A V V	Q R V T T A E K V T V A E G K P G R V D K G L L V V L L V G G V S R E D T E E			
UniRef90_UP10003602519	M K I I I	Q R V K E A S S V S I D G G I A G A K E G L L L L V G G V V G P G D M A E			
UniRef90_R5ZHJ0	M R V V V	Q R V K H A S C T V D G K V T G S Q E G F L L L V G G F H E S D T E D			
UniRef90_R6IUJ5	M K V L V	Q R V K R A G V E V V G E K V A A A G L L V F F V G V E K G D A R P			
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UniRef90_G0UIK3	M K V V L	Q R V A K S A S V S I N E T V V G Q D A G Y V L L V G I A D S D T E A			
UniRef90_R6TF18	M R A V V	Q R V S G A S V A V S G E T V G K C G R G F L I L L V G G V V A K G D T E A			
UniRef90_R5JE00	M K F V I	Q R V S H A E V C V E G E Q I S G I D K G L L V F F V G V V F D S D T K E			
UniRef90_UP1000375B80A	M I A L I	Q R V T E A A V D I G G E R V G A V G P G L L A L V A V Q P Q D N E S T			
UniRef90_D7N3M2	M R A V I	Q R V T H A E V D I V E N E T C G R I D S G F V V L L V G V T H R D T E T			
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UniRef90_W2ULF0
UniRef90_A3W7F3

50 60 70 80

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D|V D W L V K V V N L R I F F D D E N G V M N R S I L D D D G G D I I V V S Q F T
E|I N W M V R K C L E L R L F F E D E A G V M N T S I V Q D I G G E L L V I S Q F T
D|S W L S K K I A N L R I F F E D E N E K M M N L S L K D V N G E M L V V S Q F T
N A E K L A Q K I V N L R I F F S D Q D G K M N L S V Q D I K G G I L S V S Q F T
D M A Y A V R K I V N M R I F F S D Q D G K M N L S V L D T G G A A L V I S Q F T
E A E K L A T K V A R L R I F F N D A A G K M N R S L R D I E G E I L V V S Q F T
S A D S L L H K I S N Y R I F F T D T Q G K M N L S I R D I E G E I L S I S Q F T
D|Y A V R K I S K M R I F F S D E N D K M M N L S I R D I E G E I L S I S Q F T
N A D K L A E K L V H R I F F E D E N G K M N K S L L D E K G E M L I V S Q F T
E|L A W M A R K C L D L R I F F P I S N Q R W D L S V Q D I Q G E I L V I S Q F T
N A E Y L A E K I V N L R I F F D K E G K M N F S V K D I V K G D I L L I S Q F T
D|E W L T N K V V N L R I F F D D E D G V M N K S I L D V K G D I L L I S Q F T
E A G W L A E K V A S L R I F F G D E Q G K M N L S V R D V G G E V L A V S Q F T
D|V D W L V K K I A N L R I F F F G D E N D V M N R S I L D I D G N O C L L V V S Q F T
S V E K M L H K L H Y R I F F S D A D G K M N Q N L Q Q V N G G L L L V V S Q F T
T A S A L A D K T A G L R I F F S D D D N G K M E R N V I D A G G D V L A I S Q F T
D|A W L S A K I V N L R I F F D D E N G V M N L S V K D A G G E V L I V S Q F T
Q A H K L A E K I A R L R I F F S D D D A G K M N L S V Q V V G G A V L S V S Q F T
Q A D Q M A T K I S K L R I F F F D E A G K M N R S V K D I I G G S A L V V S Q F T
D|N Y C A K K V A N L R I F F F D E N Q K M N L S V K D I I G G K I L S I S Q F T
K C K R L A Q R V L A Y R I F F A D G D D K M M N L N V Q Q A G G K I L V I S Q F T
D A E W L A R K V L Q R I F F S D D D R G R M M N L N V K D A G G S I L V V S Q F T
D|K W L A Q K I V N L R I F F S D A E D K M M N L S M D I I D G G G I L L I S Q F T
D|D K L I T K I P F L R I F F E D E N G K M N L S V I D I K G E A L V I S Q F T
S L E W M C N K I L K R I F F E D E E G K M N K S V Q D V E G G L L L V V S Q F T
D|D W L S K K L V N L R I F F P D E N G A M N K S I L E A G G D I L L I V S Q F T
D|E W L C K K I A N R I F F F D H S G V M N Q S L L D V N G G E L L I V S Q F T
D A R Y L A E K V V H R I F F F S D E T T G K M N H D I L T T G G S I L S V S Q F T
T A R T L A A K L A K R I F F F N D D A G K M N R S V Q D I G G G V L S I S Q F T
E|D Y M V D K V I N L R I F F D D E N G V M N K S L L D T E G S I L S V S Q F T
K A I R L C E R V L G Y R I F F S D Q N G K M N L N V Q Q A G G S V L I V S Q F T
E|L D W M A R K C L D L R I F F P D E Q G R F D R S I Q E I N G E I L V I S Q F T
D T H Y L A K K I T E L R I F F P D K D G K M N L S L S D V R G E I L A V S Q F T
I A D K M I K K L I N M R I F F A D E N D K T N L S I N D V D G K L L L I S Q F T
D|L D Y I C D L T G R I F F E D E V G K M N R S I D A G G E I L L V V S Q F T
E|D W V R K C L D L R I F F P D P D S N N N K S V K D I D G E I L I V S Q F T
D|L N W M I D K L V G L R I F F E D Q E A K M N R S V Q D V G G E I L M V S Q F T
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E|I D Y L V H K I V N L R I F F F T D A E G K M N L P I S Q V N G Q I L S I S Q F T
D A R Y Y V A E K I A H R I F F E D E Q G K M N R S V S D V G G E V L V V S Q F T
D|L Q Y V I K K L V G R I F F S D D Q E G K M N L S V Q D I I G G E L L I V P Q F T
D|I A Y A V R K I T S M R I F F S D D D E G R M M N L S I Q D I K G S V L S I S Q F T
D A D K L I K K I P V L R I F F E D E N G K M N L S L D V F G E I L L V V S Q F T
R A E A L A A K V A K L R I F F F G D E A G K M N R S V R D V G G A A L V I S Q F T
T A N S L W S K I S K L R I F F F D D Q G K T N L S I H D V E G S I L L V V S Q F T
D A R W T A D K I A N L R I F F E D E D D K L N L S V V K D K G G S V L S I S Q F T
D|E W L A G K L T R L R I F F F D D E N G V M N L D V R Q V I G G A I L V V S Q F T
D|L Y I V E K L Q T R I F F F G D E Q G K M N R T L I E A G G A L L L V V S Q F T
D|V K W L V G K T A G L R I F F F D D E N G V M N R S I Q D I D G E A L A V S Q F T
D|N W L T S K I A N L R I F F F A D E S E V M N L S V V K D I N G E I I V V S Q F T
D A A Y L A R K I A G L R I F F P D E A G K M N L S L K D V G G A V L A V S Q F T
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D A L Y L A K K I P H R I F F F E D E N E K M Y S A V D V E G E I L S I S Q F T
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I L K R M I H K I Q N L R I F F F D E N D K M N L S L A Q V H G D I L S I S Q F T
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T A Q R L W D K V R R L R I F F F D D E D G R M M N L S L A D V G G E V L V V V S Q F T
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R S K R M A E R V A G Y R I F F F A D A D G K T N L S V K D I Q G E V L V V V S Q F T
I A D K M I D K M V K L R I F F F E D E N G K T N K A I A D A G G N F L V V V S Q F T
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T A R T L A A K I A R L R I F F F G D E S G K M N R S V L D I G G A V L S I S Q F T
D F E Y I F K K V L N L R I F F F E D E K N A V M N L S L I D Q N K E I L A V S Q F T
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Q V E R L L E R L L G Y R V F F E D A E G R M M N L S V V R D I Q G G G L L L V P Q F T
D|I A Y A V K K V V N L R I F F F D D D A G G G V M N L S V V K D I E G G S I L V V S Q F T
D|D W L V K K T I N L R I F F F Y D D S E G V M N L S V K D V E G D I L V V V S Q F T
D A K Y I L A G K I A G L R I F F F E D E A G K M N H S V S E T G G S I L S V S Q F T
C A A K M L H K L N Y R V F F G D A E G K M N R S L A D V Q G G G L L L V V S Q F T
D|N W L V K K I V N L R I F F F D D E N G T M N L S I Q K V D G E I L V V S Q F T
E|I D Y L I N K V L H R I F F F D D E N G V M N R S L I D V G G S I L S V S Q F T
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	90	100	110	120
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UniRef90_K2NW23	L Y A D I R K G T R P S F S Q A G N P A Y A E A M Y L K F N D Q F N H I V P T			
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UniRef90_X0WDX3	L Y G D C K K G R R P S F I S A A L P D K A V K L Y D C F V K Y I K N Y G L K I			
UniRef90_F3ZQR0	L H A S T K K G N R P S Y I K A A K P D I A I P L Y K E F I T T L E S K G K Q I			
UniRef90_Q1ATQ8	L L A D T R K G N R P S F I R A A D P E R A E P L F E Y F C E R R L R E A G V S V			
UniRef90_D5EWK2	L Y A S Y K K G N R P S W F R A G S H E H S I P L Y Q A F C A Q L S E I G K Q V			
UniRef90_G4F2J3	L A A D T C K G R G L R P S F S S A A P P A Q G E A L P N L L V A Q A G T A W P R V			
UniRef90_Q7UFW2	L L A D C R K G R R P A F T D A A P P D R A N E L Y E H Y V S E L R K T G L S V			
UniRef90_C7M7H0	L H A S T K K N N R P S Y I K A A R P E V A I P I Y E A F I L Q V E S L G K R V			
UniRef90_K9ZW5N	L Y A D T R K G N R P S F V D A A A P E Q G R A L Y Q I F N E A L R A Q L L Q V			
UniRef90_I7DS52	L A A D T R R G N R P G F S N A A P E L G R A L Y T R F A D Q L A A L D V P V			
UniRef90_U2ECG6	L Y G D C K K G N R P G F S V E A A R P A F A E T I Y D K F N E V L R E E H L T V			
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UniRef90_C0QTO0	L A G S V K K G R R P S F D N A E E P E R A K E L Y Q R F V E R L S E Y I P V			
UniRef90_UP1000377AB3F	L Y G D A K K G T R P S F I E A A R P E F A E P Y Y E E M V Q Y F K E Q S L N I I			
UniRef90_M7XJH9	L H A S T K K G N R P T Y I K A A K P D F A I P M Y E K F I A T E K E L G K S I V			
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UniRef90_UP10004658C5F	L A A D T K K G M R P S F T K G A K P E E A K R L Y E F F I I Q C H K A N I V T			
UniRef90_UP10003608941	L Y G D C R K G R R P S F D Q A A A P P N R A E Q M Y E R F V E K L R E S G L K V			
UniRef90_UP100036A0D32	L A G S V R K G R R P S F D K A E H P E K A E R L F N Y F V D L L R Q K G I K V			
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UniRef90_UP1000468EABD	L Y A D T K K G N R P S F T G A G G D F K T S S A K Y D Q F N D A L R N Y D I N V			
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UniRef90_W8KTU5	L A A D T R K G M R P S F T P A A P P E E G E R L F N E L V S Q A R H A W P H V			
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130 140

UniRef90_F9HJA8	K T G [V] F G A D M Q V E L V N D G P V T I I L D
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UniRef90_T2J352	E T G [I] F G A M M E V S I N N D G P V T L L L E
UniRef90_T2KH09	Q T G E F G A D M K V E L L N D G P V T I I I D
UniRef90_R7HWJ2	K T G [I] F R A M M D V E L I N D G P V T F W V E
UniRef90_UP100035E51A6	E C G [V] F G A D M R V S L V N D G P V T I L L D
UniRef90_W8S9D9	E T G R F G A E M A V S L T N D G P V T I W L D
UniRef90_U1KWB7	A T G R F A A D M Q V S L C N D G P V T F N L S V
UniRef90_K2NW23	K A G [V] F A A D M Q V S L I N D G P V T I L V D
UniRef90_R7LW66	Q T G [V] F G A M M D V E L I N D G P V T F M V E
UniRef90_UP1000301771C	A T G Q F G A T M Q V S I A N D G P V T L L L E
UniRef90_X0WDX3	E T G Q F Q A A M M L V K F N D G P V T I L L D
UniRef90_F3ZQR0	G T G E F G A D M K V K L I N D G P V T I C I D
UniRef90_Q1ATQ8	K T G [V] F G A V M D V A L V N A G P V T I V L E
UniRef90_D5EWK2	A T G E F G A D M K V E L L N D G P V T I C M D
UniRef90_G4F2J3	A T G E F G A D M Q V A L I N D G P V T F L L E
UniRef90_Q7UFW2	P C G [I] F F A A D M A V S L T N D G P V T I I L E L
UniRef90_C7M7H0	P T G Q F G A M M Q V A L C N D G P V T I I I D
UniRef90_K9ZWN5	E E G [I] F G A D M Q V E L V N D G P V T V L L E
UniRef90_I7DS52	A R G S F G A D M Q V A L V N S G P V T I W M D
UniRef90_U2ECG6	E T G Q F G A D M K V D F T N D G P V T I V L E
UniRef90_A1T099	E T G E F F A A D M Q V S S T N D G P V T F W L Q I
UniRef90_UP1000371811F	Q T G K F Q A H M Q V E L L N D G P V T L L C D
UniRef90_R9GT18	Q S G [I] F G A D M K V K L I N D G P V T L I M
UniRef90_C0QT00	K T G [V] F A A H M K V F I E N D G P V T F I I D
UniRef90_UP1000377AB3F	Q T G Q F G A M M E V E L V N D G P V T L I L E
UniRef90_M7XJH9	Q T G E F G A D M K V A L V N D G P V T I I I D
UniRef90_W7Y1E4	K T G [V] F G A Q M K V S L T N N G P V T I I I D
UniRef90_UP100040EE0D4	E T G V F G A M M D I S V N D G P V T L L L D
UniRef90_Q9RVY1	G E G V F F G A H M D I E L V N D G P V T V T L D I
UniRef90_R6LWT7	E T G [I] F G A Y M Q V E L I N D G P V T T I M L E
UniRef90_UP10004658C5F	Q S G Q F A A D M Q V S L I N D G P V T F W L Q V
UniRef90_UP10003608941	E T G K F G A M M Q V S I E N D G P V T L I L E
UniRef90_UP100036A0D32	A T G [V] F G A R M S V N L T N D G P V T F I I D
UniRef90_C4ZA12	Q R G G V F G A D M K V I E L E N D G P V T I L L D
UniRef90_R5BCJ1	E T G [I] F G A E M K V Q I N D G P V T I L L D
UniRef90_Q119C3	A T G I F G A M M Q V E I D N D G P V T F L L E
UniRef90_J7IW89	E T G [V] F G A E M D V E L V N N G P V T I L L D
UniRef90_R6IIG5	G T G K F Q A H M L V S L L V N N G P V T I L L D
UniRef90_XOPTM5	A E G [V] F G A D M Q V S S L V N D G P V T I V F D
UniRef90_B0TF85	A T G Q F Q A H M V V I I N D G P V T L M V E
UniRef90_F2JHL0	E T G Q F Q A D M K V S L L V N D G P V T I L I D
UniRef90_Q3JZ09	E T G Q F G A D M Q V S L I N D G P V T I V L D
UniRef90_R6QBA9	K K G [I] F G A D M K V D L L N D G P V T I L D
UniRef90_D7CWJ7	A T G [V] F G A D M Q V S L T N D G P V T L M E L
UniRef90_R5FLZ6	K T G W F G A M M E V S L V N N G P V T I W L D
UniRef90_D6XWY4	E T G [V] F G A M M D V E L V N H G P V T L I V E
UniRef90_R7JGW6	A T G E F G A D M Q V E L V N D G P V T I W I D
UniRef90_D8P905	E T G [V] F G A H M Q V E L L N D G P V T F L L D
UniRef90_R6T1U6	G R G V F G A D M K V A L V N D G P V T I I I D
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UniRef90_B5JM93	Q T G [I] F F A A D M K V D L L N D G P V T I L L D
UniRef90_K2GAV5	V T G G S F G E M M Q V D L V N D G P V T I I L D
UniRef90_UP10003602519	K C G [V] F G A D M Q V S L I N N G P V T I I L D
UniRef90_R5ZHJ0	E K G I F F G A D M K I E L L N D G P V T I C L D
UniRef90_R6IUJ5	E N G I F F Q A D M Q V S L I N D G P V T F V L E
UniRef90_B9Y672	K P G I F G A E M K I R L L N D G P V T L I L D
UniRef90_W0EH93	E T G L F F Q A D M D V E L V N H G P V T L L L D
UniRef90_UP10002F3C15A	E N G V F A A D M K V S L T N D G P V T F W L Q
UniRef90_G0UIK3	A T G E F G A N M Q V Q L M N D G P V T I I F D
UniRef90_R6TF18	E T G [V] F G A D M K V S I E N D G P V T L V I D
UniRef90_R5JE00	Q T G K F G A D M K I S L L N D G P V T F T I L D
UniRef90_UP1000375B80A	A S G R F G A D M Q V S L V N D G P V T F W L E
UniRef90_D7N3M2	E T G R F Q T H M Q V N L C N D G P V T L L D
UniRef90_D5T3V4	K T G E F G A D M Q V S L V N D G P V T I L F D
UniRef90_D3VF85	E T G K F A A D M E V S L I N D G P V T F W L Q V
UniRef90_UP1000468EABD	A T G E F G A D M Q V S L T N D G P V T I I M E
UniRef90_E1R2Y6	E T G K F G A S M D V D Y I N Q G P V T I L L D
UniRef90_Q12IK4	Q I G R F G A D M Q V S L I N D G P V T F N L Q V
UniRef90_G5F646	G R G [V] F G A D M Q V S L V N D G P V T I W L D
UniRef90_H8KWWQ0	V T G E F F G A D M K V S L I N D G P V T I T I D
UniRef90_UP100024902A5	E T G H F F G A E M Q I E L E N D G P V T I I Y E
UniRef90_D4GEK5	A N G R F A A D M Q V A L V N D G P V T F W L Q V
UniRef90_UP100035F019C	K Q G Q F Q A D M Q V A L I N D G P V M T F S L E
UniRef90_R6VPQ0	G A G G V F G A D M K V S L V N D G P V T V M L D
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UniRef90_UP1000374E916	G E G V F G A H M L L D L T N D G P V T L T L D
UniRef90_D7N5T6	F G G E Y G A D M K V Q L I N D G P V T I L L D
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UniRef90_R7EP12	G N G I F F G A D M Q V S L I N D G P V T L T L D
UniRef90_K8E055	A T G V F Q E H M V V E I I N D G P V T L L L D
UniRef90_W8KTU5	A T G Q F G A H M A V S L I N D G P V T L S L R V
UniRef90_U5Q654	E T G I F F G A E M K V S L I N D G P V T I W I D
UniRef90_D3IIW3	A T G V F G A D M Q V S E L V N D G P V T I V I D
UniRef90_UP10004727DD9	E T G V F G A M M D V S L I N W G P V T L I L D
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UniRef90_A3W7F3	K L G Q F G A D M K V S L V N D G P V T I W M E

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UniRef90_A3XI51	M R V V I Q R V S E A S V T I N N V I K G K I G R G F V V L L G I T A E D T E				
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UniRef90UPI0003757591	M R V V V Q R S K E E A Q V V V I K Q V V G Q S H G F V L L V C A M Q G D T				
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	50										60										70										80											
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UniRef90_R6BUC7	E	A	D	L	L	V	R	K	M	C	G	L	R	I	F	E	D	Q	D	G	K	T	N	L	A	L	K	D	V	G	E	L	L	I	V	S	Q	F	T			
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UniRef90_X8IRE3	I	A	D	R	M	L	D	K	M	I	K	L	R	I	F	N	D	E	N	G	K	M	N	L	S	I	A	D	V	G	G	E	L	L	I	S	Q	F	T			
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UniRef90_B1C90	D	A	D	Y	L	A	R	K	I	S	N	L	R	V	F	E	D	E	N	G	K	M	N	L	S	I	K	D	I	G	G	Q	M	L	I	I	S	Q	F	T		
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UniRef90_K9D978	E	A	D	L	L	L	T	K	L	L	G	Y	R	V	F	S	D	E	A	G	K	M	N	R	S	V	T	D	T	G	G	G	L	L	L	V	V	P	Q	F	T	
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UniRef90_R5SAK0	I	A	D	K	M	I	H	K	M	I	N	L	R	I	F	E	D	E	N	G	K	T	N	L	G	L	K	D	V	G	G	S	L	L	L	I	S	Q	F	T		
UniRef90_UPI0003B537F6	T	A	D	Q	L	A	A	K	I	A	K	L	R	I	F	K	D	D	S	G	K	M	N	L	S	L	K	D	S	G	S	A	L	I	V	S	Q	F	T			
UniRef90_UPI0003757591	E	I	N	Y	C	A	N	K	I	A	N	L	R	V	F	P	D	E	A	G	K	M	N	L	S	V	I	K	D	I	E	G	E	V	L	V	V	S	Q	F	T	
UniRef90_AOL7S8	Q	L	E	M	V	R	K	V	A	R	L	R	I	F	P	D	E	A	G	K	M	N	L	S	V	I	K	D	I	E	G	E	V	L	V	V	S	Q	F	T		
UniRef90_U7DC63	I	R	D	W	I	T	T	K	I	R	S	L	R	I	F	E	D	E	S	G	K	M	N	R	S	L	E	E	I	G	G	A	V	L	V	I	S	Q	F	T		
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UniRef90_W8VZD4	D	I	D	Y	L	V	R	K	C	G	L	R	I	F	P	D	A	H	G	T	M	N	L	S	I	E	D	V	A	D	I	L	V	I	S	Q	F	T				
UniRef90_UPI00046C9265	E	S	E	W	L	A	R	K	I	A	N	L	R	I	F	R	D	D	A	R	M	N	R	S	L	V	D	V	G	G	S	A	L	I	V	V	S	Q	F	T		
UniRef90_A5FMN0	D	I	D	W	L	T	G	K	I	K	M	R	I	F	G	D	E	N	D	V	M	N	C	S	V	Q	D	V	D	G	D	I	I	V	V	S	Q	F	T			
UniRef90_A2TSE5	D	I	E	W	L	S	N	K	I	G	L	R	I	F	P	D	E	A	G	K	M	N	L	S	V	Q	D	V	D	G	D	I	L	V	I	S	Q	F	T			
UniRef90_C6HPC1	D	A	E	S	L	A	A	K	V	L	K	L	R	I	F	W	P	D	E	A	G	W	K	K	S	V	Q	D	V	D	G	E	V	L	C	V	S	Q	F	T		
UniRef90_UPI0003603A44	S	L	T	K	L	V	H	Y	R	L	F	S	D	S	N	G	K	M	N	L	S	L	A	Q	T	G	G	A	V	L	V	V	S	Q	F	T						
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UniRef90_A5F4Q7	K	A	K	R	L	V	E	R	V	T	S	Y	R	V	F	E	D	E	S	E	G	K	M	N	L	S	V	K	D	V	G	G	S	V	L	V	V	S	Q	F	T	
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UniRef90_R6IXC6	Q	A	I	L	L	A	G	K	I	A	R	L	R	I	F	E	D	E	N	Q	V	M	N	S	I	Q	D	I	E	G	N	G	D	I	I	V	V	S	Q	F	T	
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UniRef90_UPI00041E620F	D	V	F	K	Y	V	N	K	I	S	N	R	I	F	P	D	E	D	E	G	K	M	N	L	S	V	K	D	I	G	G	S	I	L	V	S	Q	F	T			
UniRef90_F214P3	T	V	K	Y	M	A	K	I	A	K	M	R	I	F	P	D	E	D	E	G	K	M	N	L	S	V	K	D	I	G	G	S	I	L	V	S	Q	F	T			
UniRef90_R6T166	D	A	E	L	L	Q	K	I	V	K	L	R	I	F	P	C	D	E	A	G	K	M	N	R	S	V	K	D	I	D	G	E	I	L	L	I	S	Q	F	T		
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130 140

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

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50 60 70 80

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E A E R L L A K I [L G Y] R V F S D A A G K M N L P V R D I D G Q L L V V S Q F T			
D T E S I A K S I L K L R L F P D E S P Q W K Q S V V D I K G D L L C V S Q F T			
E A V K L A D K I [C G L] R I F K D S A G K M N R S L G L D A V D G E L L I V S Q F T			
Q T L Q L A R K I [A K] R I F K D S A G K M N R S L G L D A V D G E L L I V S Q F T			
T A D K M V R K L I G M R I F S D E N G K T N L A L K D V D G Q L L L V S Q F T			
D L D Y L A K A K L V N R I F A D D A G K M N L S L L D I V G G A L L V V S Q F T			
D A R Y M A D K I V N L R I F E D A D G K M N L S L L D I V G G A L L V A V S Q F T			
E L E W M S R K [C L] D L R L F P G E N N R W E K S V R D I Q G G L L L V P Q F T			
Q V A W L A H K I A S L R V F E D E D G K M N R S I H D V G G A I L S I S Q F T			
E A E S M A M D K I [L K] V K V K L W D D D G K M R Y S V V Q D V G G S L L V I S Q F T			
V A D W M A D K I [C R] L R V F S D D D G K M N R S L V Q Q V K G D I L A V S Q F T			
K C H R L V D K V L T F R L F S D S N D K M N L N V Q Q V K G D I L A V S Q F T			
D V E W L A N K V [C S] L R V F D D E E G V M N K S I K D V D G G L L V V S Q F T			
E A D K L L A K L L K L R V F A D E G G R M N R S Q E V D G G L L V V S Q F T			
E L Q W L A R K C [C L] D L R L F P D A G N P W Q C S I Q D V G G E I L V V S Q F T			
D A R Y I A A D K T A G R I F E D E A G K L N L S L R E T G G A V L L V S Q F T			
D V E A V I A K I V N A R I F E D E N G K L N L N V Q Q V V G G A I L S I S Q F T			
I L N K M A Y K T A N M R I F E D E N S K M N K L K A I N G D V L S I V S Q F T			
T L K Y M V D K I V N L R I F D D E N G M N K S L D K S F S I L S V S Q F T			
Q A E F L A E K V R G L R I F T D E N D K M N L S E D I D G E L L V V S N F T			
I C D R L L A D K V A A L R I F E D A D G K M N D A L G P D R E I L V I S Q F T			
K M E R L L A T K V M S Y R V F S D E N G K M N L N L Q Q A G G S L L V V S Q F T			
D A Q Y L L R K T L A L R I F N D E [C G V M N] L S V L D A G A Q I L A V S Q F T			
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L A S A L A K K T A A L R I F S D E A G K M N L S V A D I Q G E V L V V S Q F T			
D A E N L V N K V L K A K F W P D E N V Q W K N V V K D I V E G E V L C V S Q F T			
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D I D W L [C K] V N L R I F D E D E N G V M N K S I L D V N G D I L V I S Q F T			
T I E K G I T K L L K Y R I F S D D A G K M N L S I L D Q G E I I V V S Q F T			
D I D W L V R K L V G L R I F S D D A A G K M N N A L P D D G E A L I I S Q F T			
D V E W L S A K I [C S] L R I F S D E A G K M N R S L S E S I I N G E L L V V S Q F T			
T V E W M A D K I V N L R I F P N P E G K F N L S L K D I N G E V V L L V S N F T			
D I E W L V K K [C A N] L R I F D D G N G V M N R S I D M N G D V L I I V S Q F T			
E A M R L L A E K I V H R I F S D D A A G K M N L A I A D V G G S V L I I S Q F T			
T V E K M V E K I I H Y R I F S D D A A G K M N R S L Q D T A G G L L L V S Q F T			
A A P K L L A A R I A K L R I F R D D Q D R M N R S L L D V G G Q A L V V V S Q F T			
D I D W L V I K K I V Q M R I F E D D A G K M N L A L A D V Q G D I L L V S Q F T			
E A R V L L A E K I A G L R I F M E D A D G K M N L A A D V G G S V L L I S N F T			
E V Q G L L A K V L N Y R I F P D D Q G R M N R S L K D T G G S L L V V P Q F T			
D A D Y I [C R] K V L N M R L F T N E S R G W D Q N V M Q K N Y G V L L V S Q F T			
L T R R M A E K I W K L R I F E G E V S A S D V D A P V L A V S Q F T			
Q I E K L C Q K V [C] R I F D D E E G V M N R S L L D I G G E A L V V S Q F T			
Q V S A M A R K I A A A L R I F T D A E E G K M N L S V L L D A G A A L V V V S Q F T			
D I G F L V R K I T N L R I F N D E N G V M N H S L L E T K G A V V V V P Q F T			
D L Q Y L L K K T I N R I F F D D A Q G V M N E S I L Q R H G G E I L C V S Q F T			
R A N K L L A E K I V L N Y R I F F G D E N D K M N L N V R Q A G G E L L V V S Q F T			
E I D Y M V N K I V N L R I F F N D D N G V M N K S L L D V G G D I L S I S Q F T			
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L A D K M L M K K M L G L R I F M A D E N G K T N L A L N D V G G A L L L V S Q F T			
M W N K F M Q K L L G L R I F P D A G G P N A S L A D H G G A V L V V S Q F T			
D A A R L A E K I V H R I F S D E A G K M N H A I A E V I G G A V L V I S Q F T			
Q A D A L L A K L I A Y R V F A D D A G K M N R S V A Q V Q G G L L L V P Q F T			
D I D Y I L A R K V T Q M R V F E D E T G V M N L S L D K K A E L L C V S Q F T			
D I D W L [C R] K I I N M R I F F G D D E G K M N E S L K T V D G D A I V V S Q F T			
D L D Y C V R K V S K M R I F E D E A G K T N L N L D A V V G G A I L S I S Q F T			
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D I D Y M V D K I V N L R I F F E D Q D D K M N L S L D V H V S Q F T			
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D L A W M S A K L A R L R I F P D A A G V M N R S V Q D I G G E L L V V S Q F T			
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H V I N K M I Q K I I K R I F F E D S E Q K M N L N I L D V K G S C L L I S Q F T			
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K V T Y M S E K I L N L R I F F E D D N G K M S K S L Q D I N G D M I I S Q F T			
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UniRef90_A0A011PE16	L L L L L F A S T R K G N R P S F T D A A A P	D E G R R R L Y D Y F V V A Q A L A L H P M V		
UniRef90_G2DUE9	L L L L L Y A D A R N G R R P S F S Q A A K P	E Q A N T L Y E S V A T H L R I H G L N V		
UniRef90_U4KRY2	L L L L L Y A D A S K N N R P S F T K A L N R	E K S E K A I P L Y E K F C T A I S S A M S K I		
UniRef90_B6YS15	L L L L L Y A D A S K N N R P S F T K A L N R	E K S E K A I P L Y E K F C T A I S S A M S K I		
UniRef90_U6HRW5	L L L L L Y S L L K G N K L D F H L A M S P D P	S M A L Y E S F L I S K V R S E Y K K V		
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UniRef90_E6PFV6	L L L L L L L I G D A R S G K R R P S F I A A A	P G E Q A H A L Y E Y V G S L L E R A A L L R V		
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130 140

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UniRef90_B9NMP4	E T G A F G A D M A V E L I N D G P V T I W M E
UniRef90_G3C5S2	A A G [V] F G A D M Q V S L T N D G P V T F W L
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UniRef90_R7M4L8	E T G [F] F G D M K V E L I N D G P V T I M L E
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UniRef90_UP10003B3081E	Q T G K F G A S M Q V E L L N D G P V T I V L E
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UniRef90_U2KLH4	S T G [V] F G A H M Q V S L I N D G P V T I I L D
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UniRef90_U4WJG2	E T G R F G A M M D V Q I H N H G P V T L I V E
UniRef90_K4KLZ1	S S G C F G A N M Q V S L I N D G P V T F L L E
UniRef90_E3RVC9	K D G [V] F A A M M D V A L V N D G P V T I Q I D
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UniRef90_U4KRY2	E E G E F G A D M K I A S I N N G P V T I I I E I
UniRef90_B6YS15	Q T G T F K T N M K I K L I N D G P V T I C I D
UniRef90_U6HRW5	K D G [V] F G A M M D V S L V N D G P V T L L D
UniRef90_V2QA87	A I G [I] F G A D M K V S L I N D G P V T M I I
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UniRef90_U2QXZ9	E T G R F G A H M E V A L V N D G P V T I L L D
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 E | I | M | E | Y | M | V | R | K | I | L | N | L | R | V | I | F | D | D | D | N | G | K | R | W | K | N | V | M | D | K | E | Y | E | V | L | C | V | S | Q | F | T
 D | V | K | R | W | L | A | Q | K | I | V | N | M | R | I | I | F | G | D | D | K | G | L | M | N | K | S | L | M | D | V | Q | G | D | I | L | L | I | S | Q | F | T
 E | A | E | R | L | L | E | R | I | V | N | L | R | I | I | F | D | D | E | N | H | K | M | N | L | S | V | L | D | I | Q | G | E | I | L | V | V | S | Q | F | T
 D | V | Q | K | L | L | A | G | K | V | V | L | N | R | I | I | F | D | D | E | T | G | V | M | N | K | S | I | L | D | V | G | G | S | V | L | S | I | S | Q | F | T
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 D | V | D | I | L | T | K | K | I | L | S | L | R | I | I | F | F | E | D | D | L | S | P | W | A | K | S | I | V | D | I | Q | G | E | I | L | L | S | V | S | Q | F | T
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 Q | A | K | T | L | A | R | K | I | A | E | R | L | I | F | E | D | E | T | S | I | Q | D | R | A | E | E | A | S | V | L | V | V | S | Q | F | T
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 T | A | N | K | L | L | D | K | I | L | A | Y | R | I | I | F | A | D | E | N | N | K | M | N | C | N | L | Q | Q | V | A | G | G | I | L | L | V | V | S | Q | F | T
 Q | V | E | K | M | A | R | K | V | F | N | Y | R | I | I | F | S | D | A | D | G | K | M | N | K | S | L | T | D | I | N | G | E | I | L | L | V | V | S | Q | F | T
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 H | A | A | N | L | A | R | K | V | W | E | R | L | R | V | I | E | G | E | I | L | S | C | A | D | L | D | A | P | I | L | V | I | S | Q | F | T
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	90	100	110	120
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130 140

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UniRef90_UPI00040670D0	K S G F F Q E H M E V E L L N D G P V T F I L E
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UniRef90_G2KU94	E T G V F G A D M Q V D L E N D G P A T F E L
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UniRef90_B4K9F1	K D G K F G A Y M Q V H I E N D G P V T I E L E
UniRef90_Q7VN41	E T G Q F A A D M Q V S L Q N D G P V T F W L Q V
UniRef90_R5FPC9	E E G V F G A H M D I E L L N D G P C T I I Y E
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UniRef90_U7UF93	G T G R F R T E M V V S L E N D G P V T I L L D
UniRef90_D3SN01	K A G V F G A D M D V F I L N W G P V T F L V E I
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UniRef90_G9JM5	K D G K F Q A M M E V A L V N D G P V T L E L Q
UniRef90_Q5KMC4	Q D G Q F G A M M Q V S L T N D G P V T I L L D
UniRef90_L7KV58	A T G R F G A N M Q V S L V N D G P V T L I L D V
UniRef90_E3UCY0	Q T G V F Q A L M R V E L A N D G P V T L I L E
UniRef90_G9WF22	E T G V F A A D M A V K L V N D G P V T I M F D
UniRef90_I0Z2G0	K D G G V F G A M M D V S L V N D G P V T L N F D
UniRef90_F5ZFT2	E T G Q F G A E M K V A L V N D G P A T F Q F Q V
UniRef90_F8P725	K D G Q F G A M M D V S L T N E G P I T F T L D
UniRef90_I0JW63	K K G G C F G A N M T V Y Y L I N E G P V S F W I
UniRef90_D3DHV6	S T G R F G A N M E V H I V N W G P V T V F F L D
UniRef90_UPI00037364DC	Q T G E F G S E M A V K L I S D G P V T I C L D
UniRef90_Q54EY1	K D G R F G A M M D V Q L I N D G P V T I Q L D
UniRef90_UPI0003B615D5	E N G V F G A D M Q V S S T N N G P V T F W L Q V
UniRef90_Q6FT39	K D G Q F G A M M S C S L T N E G P V T I I L D
UniRef90_G7MZY1	K D G T F G A Y M Q V Y I Q N D G P V T T E L E
UniRef90_J0KTD4	A T G R F A T E M Q V H L V N D G P I T I P R I
UniRef90_UPI0004754663	A T G R F Q A H M I V E S V N D G P C T I V L E
UniRef90_Q2S3D4	P T G E F G A M M D V R L T N D G P V T L W V E
UniRef90_F9MQK3	E T G K F Q T E M I V T L E N D G P V T I L L D
UniRef90_U2J0E8	G T G R F G A D M Q V S L V N D G P V T I W L D
UniRef90_B4S4I3	Q T G V F G R D M Q V S L T N D G P V T M I L D
UniRef90_UPI0004644BCC	E T G E F G A D M K V A L V N D G P I T L V L D V
UniRef90_H0R492	A T G T F G A H M E V E L V N D G P V T I V L D
UniRef90_UPI00036D0997	G T G V F G A Y M E V E L I N D G P V T I I V E
UniRef90_A7R171	K D G I F G A Y M Q V D I Q N D G P V T I N L E
UniRef90_F4CFC7	A R G V F G A D M K V D L L N D G P V T I I M E
UniRef90_L7VPL2	E T G V F Q A E M H V E I H N E G P V T I F L D
UniRef90_G4SXQ5	Q F G Q F G A D M Q V S L V N D G P V T F S L R V
UniRef90_V5G307	K N G V F Q A M M E V K N D G P V T I I L D
UniRef90_UPI0002196C70	E T G V F G A D M D V D L E N H G P S T F I L D
UniRef90_D8F1M1	E T G M F Q E M M D V H L I N D G P V T L M V D
UniRef90_I7K268	E T G K F G A D M K V E L E N D G P F T I V F D L
UniRef90_Q1YUM8	Q C G I F G A H M M V S L T N D G P V T F W L Q V
UniRef90_R7C129	E H G I F G A H M M V S L T N D G P V T F T L L D
UniRef90_W0BGQ8	T C G S F G A D M Q V R L C N D G P V T F I L D
UniRef90_I4BMR4	Q T G V F G A D M R V E L V N D G P V T V L L E V
UniRef90_E3ENR4	R E G R F G A H M R V G L V N D G P V T I V I D
UniRef90_C9LU43	E H G S F G A D M Q V T S V N D G P V T L L F D
UniRef90_R6H4Q5	E T G K F G A D M Q V S L L N D G P I T I I M D
UniRef90_D8MF18	I T G E F G A N M Q V S M V N D G P V T I I F D
UniRef90_H3D9H8	K D G K F G A K M Q V N Q N D G P V T I E L D
UniRef90_UPI0003B5A642	P T G V F G A M M D V S L T N H G P A T F W L E
UniRef90_UPI00040E49A8	Q T G Q F G A E M Q V E L T N D G P M T I W L E V
UniRef90_UPI0003606786	V T G E F G A D M L V D I Q N R G P A T F L L E V
UniRef90_W4KME2	K D G K F G A M M N V A L T N E G P V T F Q L D
UniRef90_B9WDQ0	K D G E F G A M M D V A L V N D G P V T I I W D
UniRef90_A5WH93	A T G E F G A N M L V Q A D N D G P L N F I L E I
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UniRef90_UPI0001CBBF86	K D G E F G A Y M Q V N Q N D G P V T I P D
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UniRef90_I1CF02	Q D G E F G A M M M V S L S N D G P V T L Q L D
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UniRef90_G4QJN3	K T G V F G A D M A I T L I N D G P V T F W I E
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UniRef90_X5LM89	UniRef90_E1L1E5	M R L V L Q R V S T A D V E V E G T C C G S C S M Y M I L V G I A P T D T R E K
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UniRef90_U2E1A7	UniRef90_H6RG67	M R V V I Q R V T Q A A V A I D G E T V D S K V F L G I D T D T S D A G
UniRef90_UP10003B45569	UniRef90_U2RHJ9	M I A L I Q R V T Q A A V A I D G E T V D S K V F L G I D T D T S D A G
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UniRef90_M4C7S6	UniRef90_I6ZMM9	M K A L L Q R V R Q A R V D D V N A Q C V G E I Q Q G L L V F L G V E R G D D A G
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UniRef90_O14274	UniRef90_UP10004269E10	R A V V T R V K S A S V V V I D K V G N G A D Q G F L V L L G V G P E D T A E
UniRef90_UP100028863D2	UniRef90_L7M2W5	M I A L I Q R V G Q A S V V E V D G Q S V G A E H V L A Y I G L G P D D D L Q
UniRef90_UP10003B6CDE5	UniRef90_D4K4W3	M K A L I Q R V R S S S V V E V E G R I I G Q K K G I L V F I G I E K K D E L K
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UniRef90_A1WW09	UniRef90_K6W9I4	M I V L I Q R V A E A S V V R V E G R V T G A V G R G L L A L V C G E P G D T P A
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UniRef90_M2WUL9	UniRef90_F0JJ63	M K I V I Q R V S S S N V K V N D V V A Q E R G L H V L L G V T H D D T A A
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UniRef90_UP1000369371C	UniRef90_D8MBS6	M R T V I Q R V R R R A E V V R V D G E V V G A V D S G L C V L V L G V T H D D T P A
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UniRef90_E4WUKU3	UniRef90_C1AB58	M R L L V Q R T T S A C Y T V D G E V V G R I R A E V S G R H A G Y L L L G V F T H G D T D T
UniRef90_B6ACC5	UniRef90_D8RA14	M K V V I Q R V S K A S V V D N K I I S C G P G L V I L L G I G V K D T L G
UniRef90_H5UN51	UniRef90_G0UWS7	M R A V V Q R V L S G S V T V D G E V V G S I G E S D T K E

50 60 70 80

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UniRef90_C0BFY9	D V L W L V N K I L N R I F N D D G I M N E S L I D R D G G L M V V S Q F T
UniRef90_UP1000410A7A5	D V I F C A D K V S H R I F E D D N N K M N N S V S Q A Q G G V L L V S Q F T
UniRef90_S3NQA2	K G K K L I D K I L K Y R F F D D E Q G K M G W N V S Q A Q G G V L L V S Q F T
UniRef90_D0MV57	D A E W C C R R L L N A R L W P D D E E R A W R K S L K D N D Y E V L V V S Q F T
UniRef90_X5LM89	K A R K M A E K L W Q L R I L D D E R A W R K S L K D N D Y E V L V V S Q F T
UniRef90_E1L1E5	I V E K M W E T K H L R V F E D E Q Q K M N K S L L D V G G S I L A I S Q F T
UniRef90_W3WN80	E A D S L K A K K I V K L K W D D D N G R W K H S V Q D I G G E I L C V S Q F T
UniRef90_M9VCS2	D A E K L L A E K I W G L R I L D D E K S S A S D I D G A P V L V V S Q F T
UniRef90_U2E1A7	Q A T R L A E R V L G Y R I F A D E C G R M N H S T R Q T G R Q V L A V P Q F T
UniRef90_H6RG67	D I S W L S N K L S N R I F N D A E G V M N S S V S K D I A G D A L V V S Q F T
UniRef90_UP10003B45569	R L E K L L E R I L N Y R V F A D E D G R M N L S S L R D I I G G G I L L V S Q F T
UniRef90_U2RHJ9	D I D F C I D K L I N I R I F D D E N G K L N L S S V V K D I K G E L L I V S N F T
UniRef90_10GWS7	S A Q K L L A E K I Y N V R V F S S D D A G K M N L S S L D Q V V G G K M L V I S Q F T
UniRef90_R5EF17	Y A D A L L A E K I V V G Y R V F S S D D A G K M N L S S L K T V V G G G I L V A S Q F T
UniRef90_Q6C7S6	D V E K V A N K I I K T K L W P D G A Q Q W K Q S V V L D V V G G E V L C V S Q F T
UniRef90_I6ZMM9	D V N F V V A D K C C N L R I F E D D G Q G K M N L S S V V K D I D G E A L V I S Q F T
UniRef90_U2SW19	D I N Y C V D K L I H L R I F F D D E N G K L N L S S V V Q D I I K G E L L I V S N F T
UniRef90_E5ALM6	T A D K K L L L G Y R V F S S D T Q G R M N L S S L R N R I I D G A G G I V S Q F T
UniRef90_O14274	D V T K L S N K I L K L G Y R V F S S D A G K M N L S S L Q D V V G G I L C V S Q F T
UniRef90_UP10004269E10	T A K R M I D K I L T Y R I F E N E N D K L D L N V Q Q V V G G G L L L V S Q F T
UniRef90_UP100028863D2	H A D K M I N K I L S Y R V F S S D T Q G K M N L S S V S S D I I N G G V L L V S Q F T
UniRef90_L7M2W5	D I D Y I V R K I L N L K L F D D D A G K W K L S S V S R E L L Q F F E V L C V S Q F T
UniRef90_UP10003B6CDE5	Q A D K L L D K L K L K L I F S S D A A G K M N R S S Q Q D V D G A L L L V S Q F T
UniRef90_D4K4W3	I V P K L A E K C A G L R I F K D E N D K L N L S S A K D L G Y S A L V V S Q F T
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UniRef90_Q75E22	D I E K S V R K V V S G L R I F P P D D N A Q W K R S I K D I G G E V L S I S Q F T
UniRef90_UP10003B5156D	I L E K V L H K L L N Y R V F S S D E Q E R M N K S S L I D V V Q G G L L L V S Q F T
UniRef90_C0VYU2	E V V K V V A S K I A G L R I M E G E L S S V V A D T G G E V L V I S Q F T
UniRef90_R6UCX3	E I E Q M A L K I A K L R I F E D S N G K M N L S S I Q D V G G S I L S I S Q F T
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UniRef90_L8D1Y2	S V D K L L H K V S N Y R I F T T D D A G K M N L S S R D V S G E L L V V S Q F T
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UniRef90_K6W9I4	Q V S A I A A K I A G L R I M R D E R S S V V D T G G Q V V L L V S Q F T
UniRef90_C7BV6	D I E Y I V R K I L N V R L F E S E N K R W E R S S V V K D E G G L E V L C V S Q F T
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UniRef90_R7FM29	I V D K M I D K M L K L R I F P D E N G K T N L S S L E K F G G N I L A S Q F T
UniRef90_W0J9R3	D G E W L A Q K L L A R L R I F P D G P G P M N R S V V A E P D G G V V L V V S Q F T
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UniRef90_X4QZZ5	E I D K I A R K I A Q L K V L R N G D D E A R R C A E E A R A P V V L L V S Q F T
UniRef90_K7RZP7	V V E K V V A K V W G L R I L A D E R S S A S D I G A P L L V V S Q F T
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UniRef90_R5ARI0	E A D R I V D R I C G L R V F E D A N G K M N V N P A D A G A E L L I V S Q F T
UniRef90_L8H621	D A E W C R K I L G A R L W A D D T G K W N M S V T Q M G Y E V L L V S Q F T
UniRef90_T1K313	D V D Y I V R K I L N M R I F D G E D G K M N Q S S L L D V K Y E I L C C V S Q F T
UniRef90_UP100035A2A00	E M D F I V R K I L G L K R I F D D E S E N R W K K N L S S L E D I G G D I L L V S Q F T
UniRef90_L0RAQ2	V W K T L L D K M I G L R I F E D T E G R M N L S S L E D I G G D I L L V S Q F T
UniRef90_UP10002657CD7	D I E Y M V R K I L R T K L F S T D E G R W K K S V V E E G L E I L C C V S Q F T
UniRef90_G2YU03	D A E S L L A A K V V K L R I W D D D E G G W K R S V V Q D I G G E I L C V S Q F T
UniRef90_R5VX21	L C G T F A N K L V K L R I F E D D G N G K M N L S S V V Q D I G G E V L F V S Q F T
UniRef90_Q07648	E I D K L S K K V L S L R I F E D E S R N W K K N I K E A N G E I L L S V S Q F T
UniRef90_S3D4B2	D A E S L L A A K V V K L R I W D D D E G G W K R S V V Q D I G G E I L C V S Q F T
UniRef90_UP100030982D2F	Q V A T I A R K I A D L R I L R E E T S S V T D A G A P V V V S Q F T
UniRef90_UP10003B4D12B	D V E T M A R K I A E L R I L R E E T R S S V T E A G A A V V L V V S Q F T
UniRef90_UP1000255E942	Q A R A M A R K I W N R I F R S S C S D A G A P V V L V V S Q F T
UniRef90_UP10003463CE9	U N I R E T M A R K I A E L R I L R E E T R S S C S D A G A P V V L V V S Q F T
UniRef90_I4D983	D I A W M V D K L G G R I F E D K A G K M N H S S L Q D S G G E I L L V S Q F T
UniRef90_G3AY69	D V S K M S R K I V N L R I F E D E R W A K S V V M D E K Y S I L S V S Q F T
UniRef90_C1BVX1	D A E Y L Q R K I T N R I F E N E N K W D K S V V L D M K L E V L L V S Q F T
UniRef90_C8VZX2	D A V Y L L A A K I S S G L R V F E D E Q N K M N L S S V L D I R G G L L V V S Q F T
UniRef90_UP1000367CDCC	I A R R L L A A K I L W S R V V L D G E R S S C S D L S S P A L L V I S V S Q F T
UniRef90_UP1000407A27	D A R I L L A R K I A N A R V F E D D K D G K I N L S S I K E V V G G E I L S V S Q F T
UniRef90_E6U7Z4	D A Q A L A T K T A G L R I F S D E S G K M C L G A S D V G G F L V V S N F T
UniRef90_W7J2D7	Q A A T M A R K I H E L R I L R D E K S C C A D T G A P L L V V S Q F T
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UniRef90_D7BM38	Q V E K L L A R K I A Q L K R I L R N P E P K D R V S A L E A G A G V V L V V S Q F T
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UniRef90_UP10003B60327	R G S R L L E R L L S Y R V F E D D T G R M N K S S L R D L G G G L L L V V S Q F T
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UniRef90_U1RGW5	Q I E K T A R K I A Q L K R I L R S S D G G D D R S A E E A G A A V V L L V S Q F T
UniRef90_C1DHT6	S I G R M L H R L L N Y R V F A D E G R M N L S S L A Q L G G G L L L V S Q F T
UniRef90_UP1000369371C	K A A Q L A R K I W T L R V L D D E Q S L S L S A G A G A P L L V I S Q F T
UniRef90_D8MBS6	C S E V L A R K I A V A G L R I L D D E Q S L S L S A G A G A P L L V V S Q F T
UniRef90_UP1000255F628	F H E G M A R K I L L D R I F P G E C D K F D R S A R D H G A D V V L L V P Q F T
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UniRef90_G4T5V1	E L D W I A R K I L F P A D H E F E R S I R E I G G E I L L V I S Q F T
UniRef90_K9SF59	A A A N L A R K I W R L I D G E K S A S D V D A P I L V V S Q F T
UniRef90_E4WU3	E L E W M T D K V I C R I F P D E E Q R M N R D I Q E H G G A L L V V S Q F T
UniRef90_C1AB58	D A D Y Y I R K I C L N R I W P D D D N Q K M W K S V V I D K N Y E V V L V S Q F T
UniRef90_B6ACC5	D A D F L C R K I L M N R I F P V V N D K T G W D Q N V M Q K F D V L L V S Q F T
UniRef90_D8RA14	D A D F L C R K I L M N R I F P V V N D K T G W D Q N V M Q K F D V L L V S Q F T
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UniRef90_E5ALM6	L L A A D T H S G L P S F T P A P P D E G R R L Y D Y F V A R A R Q Q H P V			
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UniRef90_L8D1Y2	L L A A D T K K G M R P S F S S A A G S P V A A E L L D D L A D L R E R T G P V			
UniRef90_H3FW28	L L L F G Y L K G N S L D F H V A M S P D K A K P F Y E D F L A Q M G K T Y D K			
UniRef90_K1JSB7	L L A A D T M S G N R P S F S R A A P P E E G L A A F N A F V T A L R G E G L S C			
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UniRef90_L8H621	L L L Y G Y L K G N K P D F H K A M G S D R S K A F Y E A F V E M V K S K Y D K I			
UniRef90_T1K313	L L L L Y A V L K G N K P D F H Q S M S P D K S R E L Y Q F L E K L K K S Y D P I			
UniRef90_UP100035A2A00	L L L E S T L K G A K P D F H N A M S P D R S R G F Y N Q F L E A L K S K Y K P V			
UniRef90_L0RAQ2	L L L Y A S C K K G R R R P S F T G A A A P Q L A S T L F D K L V E T V T Q K A P K V			
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UniRef90_R5VX21	L L L L A A D L S A G N R P S F I N A E N P Q R A D E R N T A R L I A D L G V P T			
UniRef90_Q07648	L L L L M A K T K K G T K P D F H A Q K G H I A K E L Y E E F L K L R S D E K V			
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UniRef90_UP10003B4D12B	L L L L Y G Q A R K G R R P S W T D A A P G E V E P L V D T V V A A L R R G V R T			
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UniRef90_C8VZX2	L L L L L F G D C R K G R R P S Y S E A A R P E D A V K L Y C E F L E E L Q S L G L A V			
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UniRef90_G0UWS7	L L M H V M K G N K P D F H M A M K P D K A L E L F N S L H D T L S R L Y D K V			

130 140

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UniRef90_C0BFY9	V S G I F G A D M Q V	S L V N D G P V T I I Q I D
UniRef90_UP1000410A7A5	E T G V F G A M M D V	E F T N D G P V T L I I D
UniRef90_S3NQA2	Q T G I F A A D M K V	H L I N D G P V T F Q L E V
UniRef90_D0MV57	A E G E F G A Y M E V	S I V N D G P V T M Q I
UniRef90_X5LM89	Q T G A F G A M M Q V	E L V N D G P V T V L L E L
UniRef90_E1L1E5	G C G V F G A D M T I	H L T C I G P V T I M L D
UniRef90_W3WN80	K D G V F G A M M Q V	A L V N D G P V T L E V
UniRef90_M9VCS2	E T G V F G A D M K V	S L V N D G P M T I L I D
UniRef90_U2E1A7	E Q G V F G A D M Q V	V S L I N D G P V T F W L
UniRef90_H6RG67	H T G K F G A N M K V	R L T N D G P V T I I I D
UniRef90_UP10003B45569	A C G Q F G A D M Q V	V R L V N D G P V S F L L E
UniRef90_U2RHJ9	E T G E F G Q Y M K I	V S E N D G P V N L I L L
UniRef90_10GSW7	E H G Q F G A D M Q V	E S V N D G P V T L C F D
UniRef90_R5EF17	V T G V F G A H M Q I	S L V N D G P V T F R L
UniRef90_Q6C7S6	K D G V F G A M M D V	A L V N D G P V T I Q Y D
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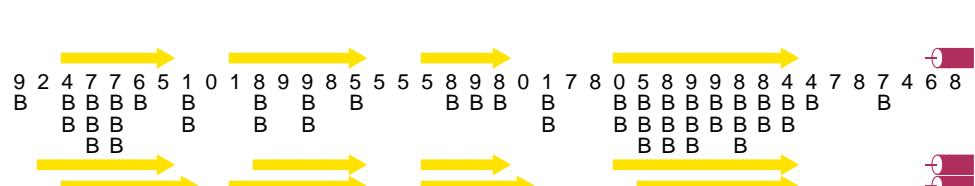
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UniRef90_H2Z1D1	D T E Y M V R K I L N L R I F N D E N D K W S K S V K E M D Y E I L C V S Q F T
UniRef90_U4KNJ0	D Y Q F I L R K I K S L R I F S D E D G K M N L S L K Q V N G E I L L V V S Q F T
UniRef90_UP100028923E7	T A Q R M I D K I L A Y R I F E N N E D K L D K N V Q Q V C G G L L L V V S Q F T
UniRef90_R7K6Z8	R I D Y Y A K K I A N M R I F D R D G K M D L S V L D V G G E V L V V S Q F T
UniRef90_D1BK15	Q V A T V A R K V A E L R V L D G A D G A E V V S V S D L D A P V I V V S Q F T
UniRef90_K7M1F6	D A D Y I C R K V L N M R L F P N E N T G W D H S V M Q K N Y Q V L L V S Q F T
UniRef90_W1Q108	D A D Y I C R K V L N M R L F P N E N K N G W D Q N V M Q K H Y E V L L V S Q F T
UniRef90_U9T5R3	D L E Y M V K K I L K V R V F E D E E M W S R S V K D A E L E I L C V S Q F T
UniRef90_UP1000381D822	D A A R L A G R L A Y R V F E F D A D G R M N R S L T D T G G G L L L V P Q F T
UniRef90_B8J080	F H N R M A Q K L A G L R I F P G Q G E L A N K G N R S L T D T G G G L L L V P P Q F T
UniRef90_X1LMH8	D I K Y L V N K I A N L R I F E D E K G K F N L S L L D I E G E A L V V S Q F T
UniRef90_A0LQX9	Q A H A L A V K V H E L R I L R G E L S C A Q T G A P I L V V S Q F T
UniRef90_E1X4D9	S I K Q A A Q K I I N R I F S D E N G K M N K N S Q S A G E I L A V S Q F T
UniRef90_UP1000368EFE4	Q A R A L A R K V H E L R V L R D E E S C A T S G A P L V V S Q F T
UniRef90_D4B233	D A D T L A A K L L K K M W P D E T F Q W K K N V Q D I Q G E V L V C V S Q F T
UniRef90_C4JWY6	D A E A L A A K V L K K M W P P D D S G A W K K S V Q D I Q G E V L C V S Q F T
UniRef90_L2F3S4	D V A Y V V G K I S K R V F E D D E G K M N R S I E L G S I L S I S Q F T
UniRef90_UP10002378C0A	E V V K M A R K I H E L R A L R D E E S C A T T G A P L V V S Q F T
UniRef90_B9PQI4	D A D Y C I R K C L K S R L W D D D P S K S W A S V V V D R D Y E V L V V S Q F T
UniRef90_A5K4A6	D A Q Y I L R K C L N L R I L W P D G N K S W D K S V K D L N Y D V L V V S Q F T
UniRef90_UP1000476B5FA	A W E T V A R K I A E L R I L D G E R V S A V N A G A P V L L V C V S Q F T
UniRef90_E6J690	D V T T M V R K I S E L R I L R E E R S V S E V G A P V L V V S Q F T
UniRef90_R5FWM2	T I G Y L T D K I L N L R I F P D E N G K L N L S V V K D V K G S V M L V S N F T
UniRef90_I2GXQ6	D V N K L S K K V V G L K I F E E G D K F W K K N L K E V N G E I L S I S Q F T
UniRef90_W6JW74	Q V E W L A R K I A Q L R I L R D E R S A Q D E G A P V L L V V S Q F T
UniRef90_Q4JVA0	A V E K M A R K I A E L R I L E G E P W D S P R N H S V V E V G G Q V L L V S Q F T
UniRef90_S6E2K7	D V E R L S N K V L T I R V F D D D A S F W K K N I K E A N G E I L S V S Q F T
UniRef90_UP1000475F8B3	A W E T T A R K I A E L R I L L P D E E K S V T D V G A P V L L V S Q F T
UniRef90_U2DKK8	Y V D A F V Q K I V H E L R I F S D E A G K L N L S L D D Q G Y S V L A V P N F T
UniRef90_T0KIS8	E A E A L A T K V L K K M W D D D A G R W K K N V Q D I S G E V V L C V S Q F T
UniRef90_A9GKM6	D A D H V A S K I A G L R V F S D D A G K M S R A L A D R G G G V L A I S Q F T
UniRef90_T0QLZ9	D A E W W C C R R I L N A R L W P N D D G K W M T S V L Q N N F Q V L M V S S Q F T
UniRef90_UP100029A686F	Q I D Y L V H K I H S V R V F A D K S G K L N L D I H Q V G G E I L S I S Q F T
UniRef90_E7C465	K A N R L C E R V L G Y R I F S D A E G K M N L N V Q Q A G G S V L V V S Q F T
UniRef90_D4H868	F C K E L A Y K I S N L R I F E D D D N G K M G R S V V K D I A G E M I I V S Q F T
UniRef90_I3YLU3	D M E Y L A G K L V R L R I F D D G Q G V M N L D V R Q V G G E V L V V S Q F T
UniRef90_L1MGE2	A C C D T M V R K I A E L R I L P D E E K S V T D V G A P V L V V S Q F T
UniRef90_T2G820	S W Q T I L K K V S L R I F P D M A G R M N E D V L Q H G Q Q L L V V S Q F T
UniRef90_E4RW98	D L Q W L A K K M V G L R V F S D E E G K M N K D L K D V D G N I L L I S Q F T
UniRef90_R7BU27	Q A D Y F A R K V A K L R I V F R D E N D K M N L D I K Q A G G E I L L V S Q F T
UniRef90_M1UZB3	A W E T M V R K I A E L R I L D N E L S V S D A G A P V L L V S Q F T
UniRef90_C2CP42	A I E K M A R K I A E L R I L E G E R V S V E E A G A P V L V V S Q F T
UniRef90_Q240V2	T S K T L A T K I S K R I F A D D G G K M N K S L V D V G A P V L V V S N F T
UniRef90_A4EIT2	L V D K W K A E K K L K L W P D M E N Q W K T G V Q D N N Y E V L V V S N F T
UniRef90_V4YP94	T A D R L L Q K L L K R I V F N N S E G K L D H D L A N V D G G L L L V S Q F T
UniRef90_UP10003FC53D2	A W K T M A R K I A D L R I L D G E R S A T D A G A P V L L V S Q F T
UniRef90_U7M0X9	R A E K M A R K I A E L R I L D G E R V S V A D A G A P V L V V S Q F T
UniRef90_K1E2F9	E I A T T V R K I A Q L R I L R D E T S V L D R G A Q V L V V S Q F T
UniRef90_W6KS25	D M N Y I A H K I L T V R I W P N E E G K W D R N V K E I N G G I L M V S Q F T
UniRef90_W5YJL0	Q A R E L C O L I L T Y R I F P D D Q G R M N R S L L D T G G E L L V V P Q F T
UniRef90_D6SRH8	A W E T M V G K I L N L R I F P D E N Q R M N L S V A D I Q G D L L L V P Q F T
UniRef90_D8KN43	A W K T M A R K I A E L R I L E G E R S V S D A N A P V V L L I S Q F T
UniRef90_R7N9C9	M L V P F A D K C K M R I F A D E N G K T N L S V I N D V G G E M L I V S Q F T
UniRef90_UP10003B71B8B	K V A K M A R K I A E L R I L D G E R S V S E A A P V L V V S Q F T
UniRef90_C8XG80	T A R A M A K I H E L R I L P G E R V S C A T T G A P L L V V S Q F T
UniRef90_D5NUJ8	K I A T M A R K I A E L R I L D G E T S V E T T G A P V L V V S Q F T
UniRef90_Q5P951	E G E R L L V K I L K L R I F A D A Q G R M N R S V V Q D V G G G L L V V S Q F T
UniRef90_UP10003740737	S I Q K M S E K I L N F K M L D G S K G I A S C S K E T K E E V L I V S Q F T
UniRef90_M5AI44	Q A D K L I A K I W G L R I F D D A D G V M N L G A A D V G A Q V L V V S Q F T
UniRef90_S9UNA9	D M D Y V I R K I L G V R I W E D E T K R W C R N V R E I E G G V L L I S Q F T
UniRef90_K1ZT46	D A V L L A D K I V N L R I F E D E Q G L M N R S L L E V Q G E M L V V S Q F T
UniRef90_UP100035D5E2D	S I T A M V T K I I N F R M L D G P K G S T A Y S L K D T N E D A L V I S Q F T
UniRef90_M3TP90	H A A K L A D K I W R I L R I L D G D G G P E R A A S D I D A P I L V I S Q F T
UniRef90_S9X072	D M E Y L I R K I L G V R I W A D E A G K M W K N V V K E I D G G I L L I S Q F T
UniRef90_C4WXW5	D I D D M V Q K I L K L R I F D Q D E K K W H C N V V M D M M S Y E I L S I S Q F T
UniRef90_W3VGR7	E I V P L A N K I L S T K L R I W E T E A K W K R S V V L E G G E V L C V S Q F T
UniRef90_I4YEF1	D L K W T V N K I V L G L R I F D N R S L W T K S V V R D V D G E I L S I S Q F T
UniRef90_A4X4Y3	T A Q T L A R K V H E L R I L D G E R S R A A D L L G A P I L V V S Q F T
UniRef90_UP10003626E35	D V Q W A A K K I A Q M R I F E D E A G K M N R S V L D V H G S I L S I S Q F T
UniRef90_I2FY04	E I V P L A N K I L T N L R I W E N N Q D P W K R S V I E L L G G E V L C V S Q F T
UniRef90_F4NY12	D V L F I T K K I M G L R I F Q G T Q K Q W D A N L K D I L G D V L C V S Q F T
UniRef90_UP1000366FB73	S W K K M A K I A E L R I L A G E R S K A S D L D L G A P I L V V S Q F T
UniRef90_E1ZG76	D A D Y I V R K I L G L R I W P N A E K A W D Q N V V Q R E Y E V L C V S Q F T
UniRef90_U5E7V1	T A R Q L A D K T W R I R I L D G E T R S R A A D L L N A P I L V V S Q F T
UniRef90_G8JUM6	E V E K M A K V I V A L R I F A D D T G K M W K N I K E V D G E V L S V S Q F T
UniRef90_A0A017TI7X	D A D Y V I R K V I V A G L R I F V E R D D D A G K M S R A L S D V G G A V L A S Q F T
UniRef90_G7GYK3	Q A H A L A D K V W R I R I L D G D E P G Q A S A S D L D A P I L V V S Q F T
UniRef90_R7UIX7	D M E F M V R K I L N R I F D D E N G K W N K S V V M D K D L E V L C V S Q F T
UniRef90_B0X2C3	D V D W M A R K I L N R I F E D P A N R W S Q S V V L D Q R L E L L C V S Q F T
UniRef90_X7YH49	K A Q R L A E K V W T R I L S D E R K S A C D V D A P I L V V S Q F T
UniRef90_U2G8K1	S W Q K M A K I A E L R I L D G E R K S A S E S D A P I L V V S Q F T
UniRef90_UP1000373EFF7	K A A T M A R K I H E L R I L D G E Q S C A S T G A P L L V V S Q F T
UniRef90_F3MRW7	D S D Y L A E K I S K R I V F S D D A G K M N L A L A D V G G Q V L S I S Q F T
UniRef90_H3ACJ5	D V E Y M V R K I L N R I F D D E N G K H W K S V V M D K Q Y E V L C V S Q F T
UniRef90_L2TQJ4	K A A L L A K K V W T M R I L E N E Q S A S D L D A P V L V A S Q F T

	90	100	110	120
UniRef90_X0X9G9	L Y A D V S K G R R P G F A N A A P P E L A E P L F D S F V E T L T A E G V D V			
UniRef90_UP10003B72FB3	L N A D V R K G R R P S W S K A A R P E Q S E P L Y E Y F V T R V R E H G V E V			
UniRef90_A6DEA8	I P A I T K K G T R P N F Q N S M P P N E A K I F F E K L K S L Q K N I T			
UniRef90_UP100046E503	I P A I T K K G T R P N F Q N S M P P N E A K I F F E K L K S L Q K N I T			
UniRef90_K2EVC8	L Y A D T K G G N R P S F I N A E D P V R A R Q L Y E L F V N K L K E K D I K V			
UniRef90_A8NKZ1	L Y S S L K G N K L D F H R S M S P T E S Q K F Y Q N F M D E L K K A Y V P V			
UniRef90_G8ZLD9	L C A R T K K G T K P D F H L A Q R G H I A K E L Y N N F L K L G D S I G P V			
UniRef90_H2Z1D1	L Q C V L K G N K P D F H G A M M A D T S E A F Y K D F L E K L R Q S Y K K I			
UniRef90_U4KNJ0	L Y G S V K N N N R P S F T N S A N P T M A T M Y Y E R L I S D S L D Y T V			
UniRef90_UP100028923E7	L M A K T D K G R R P D F G G A M A P D T A Q V L F A Q L V D Y A N T Q H H N V			
UniRef90_R7K6Z8	L A G R C E R G N R P D F I L A E K P E R A N D F Y I K L G K A L E A F G V K V			
UniRef90_D1BK15	L Y A D T R K G R R P S W N A A P G P V A E P L V V A V V D A L R E R G L T V			
UniRef90_K7M1F6	L Y G F L K G N K P D F H V A M A P Q R A K P F Y A S L V D R F R N A Y D A I			
UniRef90_W1Q108	L Y G F L K G N K P D F H V A M P P Q N A K I F Y A S L V D K F R R S Y D A I			
UniRef90_U9T5R3	L Y G S L S K N K P S F H N A M K A N E S K E M Y S T F L N R L K Q E Y V R I			
UniRef90_UP1000381D822	L A A D T R K G R R P G F S T A A A P D A G R R L F D A L V G H C R E R H A D V			
UniRef90_B8J080	L Y A D C C R K G R R P S F T D A G N P A W A E P M F E H F V K L V D E C S V S V			
UniRef90_X1LMH8	L Y A D V R K G R R P S F T K A A S P Q E A D A L I E M F I N E L K S H G I K T			
UniRef90_A0LQX9	L Y G D T R K G R R P S W D A A P A A T E P L I F E A F V A E L R R R G A E V			
UniRef90_E1X4D9	L S W P G K G N R P S F D R S M E P N L A N E Y F E K F C N L V G E S V G V			
UniRef90_UP1000368EFE4	L Y G A T R K G R R P S W T A A A P P E H A R P L V V E V V R D L R A R G A T V			
UniRef90_D4B233	L L A T L K K G N K P D F H K A A D P K T A R E L Y E Y F H S K V Q N L Y E R V			
UniRef90_C4JWY6	L F A K V K K G N K P D F H G A A D A V K A K E L Y E H F Y S K V G E S Y D P V			
UniRef90_L2F3S4	L Y A K T K K A I V P V L L K R L V Q M W R F L C M N Y L I N N E A E G I A V			
UniRef90_UP10002378C0A	L M G H L K K G N K P D F H A A M S P D Q A R S L F E K V V A E M R R Q Y K P I			
UniRef90_B9PQI4	L F A N T K K G S K P D F H L A K E P K E A L T L Y N K M V E Q F V K D Y R P I			
UniRef90_A5K4A6	L M G K T A K G R R P S W S A A P G P Q A E I I N K I A S E L R K R G L R V			
UniRef90_UP1000476B5FA	L M G S T A K G R R P S W S R A A P G D R A E P V V E A V V A G L R R E R G L E V			
UniRef90_E6J690	L Y G D A A K G R R P S Y T L S A K P E I S K P L F L K T K A L F E K E I T T V			
UniRef90_R5FWM2	L M G R T K K N K P D F H L A Q K G D I A L E L Y N K F L K N L R D E M G K V			
UniRef90_I2GXQ6	L Y A D T R K G R R P S W N G A A P G P V A E P L V D R I I R G L Q T R G I A V			
UniRef90_W6JWT4	L M G E T K K G R R P S W N A A P G P V F D R I S E L L R Q R G I V V			
UniRef90_Q4JVA0	L M A R T K K G T K P D L H M A Q K G H L A K E L Y E K F L S L R Q G Q D K V			
UniRef90_S6E2K7	L M G R T A K G R R P S W S D A A P G D V A E P V I E K I A A Y L R D R G I T V			
UniRef90_UP1000475F8B3	L C A N C K K G R R P S F E R S A R P N F A S A C F D L A Q G L R A A G A E V			
UniRef90_U2DDK8	L L A F A K I C K N K P D F R L S A G A E D A K R L Y H F L Q K V Q A G Y D K V			
UniRef90_T0KIS8	L F G D V R R G L R P S F D G A M E P V R A E A L Y D R F V A A L R A R G L T V			
UniRef90_A9GKM6	L H G Y M N G N K P D F H L S M A P E P A K V L F D N L V T R V R K A H D Q V			
UniRef90_T0QLZ9	L Y A A L R K G N R P G F S L A Q D P V V A Q N Y Q L F N Q A L R A E K L K V			
UniRef90_UP100029A686F	L A A D T E R G M R P S F S K G A S P D R A E A L Y D Y F V E R C C K E E S R I			
UniRef90_E7C465	L L A G N C K K G L R P D F G N A M E P E T A N S F Y E F T N C C K E E S R I			
UniRef90_D4H868	L L Q A S T R K G N R P S Y V R A A P E A V S R P M Y E R F T A R V V A E G R E V			
UniRef90_I3YLU3	L L Y G R T A K G R R P S W S D A A P G P V A E P L V D R I I R G L Q T R G I A V			
UniRef90_L1MGE2	L L Y A D L R S G R R P S F S S N A A P P Q T A R A L Y D T L L T D L D A P R V			
UniRef90_T2G820	L L L G S T K K G N R P S F I E A A P E K A I P M Y E K M K E V L S E M G K V			
UniRef90_E4RW98	L L A G T L G K G N R P D F G H A E L P D R A R Y L Y E R V T E K I R E E G I V V			
UniRef90_R7BU27	L L M G R T A K G R R P S W S D A A P G E V A P I I E Q I A T G L R A R G I V V			
UniRef90_M1UZB3	L L Y G K T A K G R R P S W S D A A P G E K A E P V I E R I T A K L L S R G L H V			
UniRef90_C2CP42	L L Y G V L K G N K P D F H D S M N A D E A R D L Y N R F M E K M Q Q H Y K K V			
UniRef90_Q240V2	L L A A D T S R G N R P G F S T A A K P D V G R T L Y A Q F V N D V S D L G I Q T			
UniRef90_A4EIT2	L L S A D T H K G N R P S F V G S A P S A Q A R A L F D Y L V G Q A K L V H P D V			
UniRef90_V4YP94	L L M G A T A K G R R P S W S D A A P G D A E K T L G M I V W D D L R G R G L T V			
UniRef90_UP10003FC53D2	L L Y G R T A K G R R P S W S D A A P G E V A P G V A E P V I E Y I L E R R E T I A V			
UniRef90_U7M0X9	L L H A D V R K G R R P S W N A A A P G P V A E P V V V A V A D G L R E L G V S V			
UniRef90_K1E2F9	L L T H T L K G C R P D F H R A M P P E G A L E M F K S I C D K L R A E Y D P I			
UniRef90_W6KS25	L L A D T S G T R P G F S S A A P D L A E T L Y R T F I A T A Q A E S E R V			
UniRef90_W5YJL0	L L Y A D C R K G R R P G F S D S M P G D K A Q E L F G S F V S R V E Q S W D R V			
UniRef90_D6SRH8	L L M G A T A K G R R P S W V E A A P G K E A E P I I E K I A A L K Q R G I H V			
UniRef90_D8KN43	L L Y A D C R K G N R P S F V H A C E P D L A N E L Y E K F V A L C			
UniRef90_R7RN9C9	L L Y G R T A K G R R P S W S D A A P G D V A E P L V I Q G I D D L R S R G I A V			
UniRef90_UP10003B71B8B	L L Y G R T A K G R R P S F V H A C E P D L A N E L Y E K F V A L C			
UniRef90_C8XG80	L L Y A R T D K G R R P S W D L A P R E R A E P L V A E V V D E L R R R G A P V			
UniRef90_D5NUJ8	L L Y G R T A K G R R P S W S D A A P G P A A E P V I N K I I E Q L R A R D V H V			
UniRef90_Q5P951	L L A A D A S G G N R P S F S G A A A P A D G L R L Y E V F V L F R G A R A L H P E V			
UniRef90_UP10003740737	L L S A I T D K G N K P T F H K A A K P E K A K L Y Y E F V N L F K K D H Q L V			
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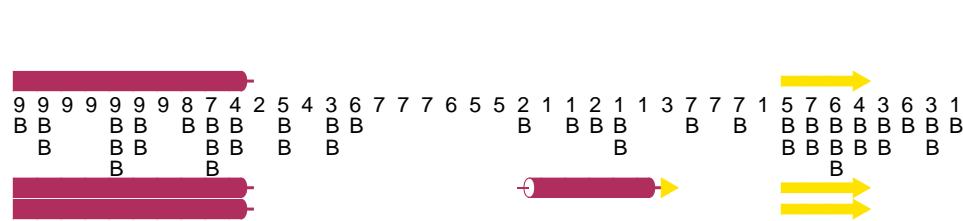
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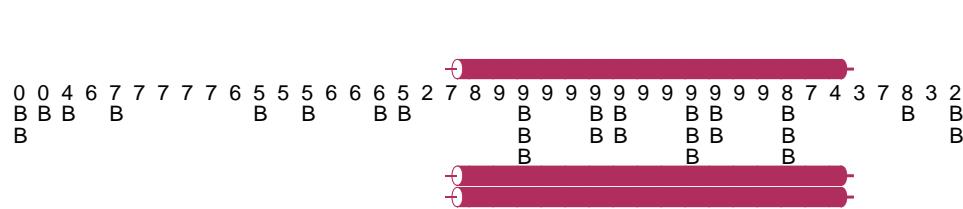
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