

QUERY	1	10	20	30	40
UniRef90_M9LWG0	S T H I Y T K E	V S S H T S P E T G	I W V T L G S E V F D V T E F V D	L H P G G	
UniRef90_M0S7P8	S K K I T M E Q L K E	H N T H E D D C	L W L L I D G K V Y N V S K F L D E H P G G	G G	
UniRef90_W5M9A7	S K L Y S M R E A A E	H N T R D D C	W V V I H G K V Y D V T S Y L D E H P G G		
UniRef90_A1CAW9	T Y Y T L E E I Q K H	Q K H K S R D	T W L V I H D K V Y D I T R F L E E H P G G		
UniRef90_B8NNN6	P E F T V E D V A L H	K S R D D C	W V V I H G K V Y D I T Q Y L R D H P G G		
UniRef90_C6TFJ7	P S F T L E E Q V Q K H	C K P D D C	W F V L H N K V Y D V T K Y L E D H P G G		
UniRef90_B0XV58	K P L T F E E V A N H	N N N K K D	C W I I I H G K V Y D I T P F L D E H P G G		
UniRef90_Q58E98	S K E F T L Q E I S Q H	N T K K D	L Y L I V H D K V Y D C S S F V D E H P G G		
UniRef90_P49096	Y T L E E L R K R N S A K D	L W L V I H G R V Y D I T K F V E E H P G G			
UniRef90_D3TN06	K Y F T R A E V A K N N T K D K N W F I I	D L W V I I H N N V Y D V T A F L N E H P G G			
UniRef90_B3S6U7	K Q I S L A E V K E H N I A S D L	W V I I E N K V Y D L T K F R D E H P G G			
UniRef90_Q8IRR0	T K T F T R E E V A K N N G Q A L W L I I	W V I I H N K V Y D V T S K F M E E H P G G			
UniRef90_UP10001F26F58	S K E I R L A T V N E H N K A T D L W V V I	D N K V Y D V T K F R L E H P G G			
UniRef90_V7B6W2	T E Y T L A D I A K H N R K D D I W I A V	H G Q V F D I T E Y L Q D H P G G			
UniRef90_P39865	T K S Y S L S E V R R H N N R	C W L I I D G K V Y N V T K F L D D H P G G			
UniRef90_D7T9Y7	T K L F S M Q E A S L H N S K D D C	W V V I D G K V Y D V T T Y L D E H P G G			
UniRef90_M0SG07	A K V Y T L A E V S A H N T P Q D D C	W L V V N G K V Y D V T K F L E D H P G G			
UniRef90_G3WMN8	Y Y R L L Q E V A K H N S E K D M W M V I	H E R V Y D V T P F L G E H P G G			
UniRef90_I1MAM4	S K M F T I S E V K K H C T S D S T W I I	H G H V Y D C T R F L K D H P G G			
UniRef90_F6RNJ3	T Y F R L E E V A K N S A K D L W L V I	H G R V Y D V T S F V V E H P G G			
UniRef90_O48618	K I Y V Y E E V E K H D K T K D C W L V I	N G K V Y D V T P F M D D H P G G			
UniRef90_T0K4C9	E Y T A K E V A A H R E A N D C W M V I	R G E V Y D V T K Y L H D H P G G			
UniRef90_E9EBJ1	E I E A A T V A E H N K P G D C W I I V	H G K V Y D V T R Y S Q D H P G G			
UniRef90_V5I406	T R E F S Q K D L E S H N T R V D L W I A V	H G K V Y D V T K Y I Q D H P G G			
UniRef90_Q4PRJ9	K T F T M E E I R K H N T E D C W I I V	N N R V Y D A T E Y L E L H P G G			
UniRef90_V4STJ3	S K L Y T M Q E A A H H N T K D D C W I V V	H N K V Y D V T S Y L D D H P G G			
UniRef90_G7YSQ5	K V F T L E E V K K H N T K P D D L W V V I	H D K V Y D L T Q F S K E H P G G			
UniRef90_S2JNG0	K T F T L Q E E V E K H T T E D D C W I V Y	D D L W V D C T P F L E A H P G G			
UniRef90_U5ESD2	Y T I A E V A K H N K S N D C W I I H D K V Y	D D L W V D T K F M E E H P G G			
UniRef90_C1MGX5	A T R Y T R D E V A K H N T A E S N W I I I	I D D K V Y D V T K F A R F H P G G			
UniRef90_D8TX78	Y T R E E V A K H K T P R D R I W V T Y K E G V Y	D I T E F V E M H P G G			
UniRef90_W1QDU7	S K V F T A E E V A Q H N T R D D L Y I V Y	R G K V Y D D C S E Y L D E H P G G			
UniRef90_C6K2H5	K Y F T E E E V A K H T E R D D A W F I Y D G K V Y	Y D A T P F M D D H P S G G			
UniRef90_A0A058Z979	T Y S R E E I A M H N S A D D C W I I I E G R V Y	D V T A F L N D H P G G			
UniRef90_V4VXA4	U H I Q E V A K H N N R D D C W L V I S G K V Y N V T	P F L E D H P G G			
UniRef90_K9FA39	K Q L T L Q E E V S E H N T K K D L Y I I N D K V Y D C T T F S N E H P G G	D C T T F S N E H P G G			
UniRef90_E3LY52	R V I S L E E V A K H N G D E K S C W I V I S G K V Y D V T K F L N E H P G G	D V T K F L N E H P G G			
UniRef90_J3LFB5	Y S F Q E E V S K H N D R K D C W L I I G G K V Y D V S P F M E E H P G G	D V T K F L S E H P G G			
UniRef90_E4XG21	S K V F S L E E V G K H N T G K D C W M I I H N K V Y D V T H F L D E H P G G	D V T H F L D E H P G G			
UniRef90_A0A059LM12	K M F S A E E V A K H S S E K D C W L V I H G K V Y D V T D Y K H P G G	D V T D Y K H P G G			
UniRef90_K3Y2D8	N K K F T M S E E V R E H A S R D S A W I V V H G H V Y D C T E Y L K D H P G G	D V T E Y L K D H P G G			
UniRef90_T1NI79	F T M E E E V A Q H H S S N D C W L L I A G K V Y D V T K F L E E H P G G	D V T K F L E E H P G G			
UniRef90_UP100022C9765	P R Y S L K E E V A K H D G K E G S L W I I N D M V Y D V T D Y K H P G G	D V T D Y K H P G G			
UniRef90_D8RBT1	L S A A E E V A K H K K S A T D C W F I I N G K V Y D V T N F L V D H P G G	D V T N F L V D H P G G			
UniRef90_U9TFV0	N K E F T I D E L A Q H N T K A S L Y I S I K G K V Y D V T K F I D E H P G G	D V T K F I D E H P G G			
UniRef90_C0NS13	S K E L T F K E L A E H N T K K D L Y V T I H D T V Y D V T K F I L E D H P G G	D V T K F I L E D H P G G			
UniRef90_UP10002B46B8D	F T L A E E V A K H D N N R N D C W L I I E D K V Y D V T K F L E D H P G G	D V T K F L E D H P G G			
UniRef90_H9KHM1	T K F Y T R E E V A K H N N N T D C W F I I H D K V Y N T T S F V D E H P G G	D V T T S F V D E H P G G			
UniRef90_F4QDH0	P S Y T L E Q V S K H N T D C W I V I D G K V Y D C T K F A D D H P G G	D V T C T K F A D D H P G G			
UniRef90_G2R5W7	K Q F T R E E I E K K H D K E D D C W L V I D N K V Y D V T S V L S W H P G G	D V T S V L S W H P G G			
UniRef90_L8G098	S Q E F T F A E E V A K H N T K K D I F M V I H D K V Y N T T S F V D E H P G G	D V T T S F V D E H P G G			
UniRef90_R9XKE3	K L Y T Y Q E I A D H N S E N D L W L I I N G K V Y D C T K F A E E H P G G	D V T C T K F A E E H P G G			
UniRef90_F7W9R6	T F T L D E E V R K H N S K D N D V W M V I H N K V Y N A T S Y L E D H P G G	D V T H N K V Y N A T S Y L E D H P G G			
UniRef90_Q013W0	P T Y T A A E E V A T H A T A D S L W M V I D D G V Y D L T K F A S F H P G G	D V T D G V Y D L T K F A S F H P G G			
UniRef90_F4NU62	K T F T I E E E V K E H N T R G N L W M V I Q G K V Y D C S K F L D D H P G G	D V T Q G K V Y D C S K F L D D H P G G			
UniRef90_A0A026WBN7	I T L D E E V A K H D A L D D C W L V I Y D Y V Y D D C T E F L S N H P G G	D V T T E F L S N H P G G			
UniRef90_H2ZAX0	K I Y R L E E V K K H N V Q S A W I I H N K V Y D L T K F L E E H P G G	D V T K F L E E H P G G			
UniRef90_UP10003C38142	E I T L E T V K L H N K P S D L W V V I E N K V Y D L T K F R G E H P G G	D V T K F R G E H P G G			
UniRef90_A0NH3D	Q Y S L L A Q V A E H N K P N D V W M V I H D S K V Y D V T K F L A E E H P G G	D V T H D S K V Y D V T K F L A E E H P G G			
UniRef90_U5ETY5	K L F S L A D I A K H N S N K S T F I V H N S V Y D V T E F L N E H P G G	D V T T F I L N E H P G G			
UniRef90_Q1ZZP7	K K Y S M A E V V E N A N A T N P W I V I N D C I Y D V T E F L N D H P G G	D V T N D C I Y D V T E F L N D H P G G			
UniRef90_H2VZS4	K Q I T L K E I A E H N S N K S A W M V I G N K V Y D V T K F L D E H P G G	D V T G N K V Y D V T K F L D E H P G G			
UniRef90_V7C5L9	Y S I L Q D L S H N T K D D C W I L V H G K V Y D V T Q Y L D D H P G G	D V T Q Y L D D H P G G			
UniRef90_H2TL57	E V S Q E E L R K H N N R D D C W T C I R G L V Y N V T P Y I D Y H P G G	D V T P Y I D Y H P G G			
UniRef90_D0N9F0	K E F T M E D V A P H N T T E C W M V I R R K V Y D V T A F L D D H P G G	D V T A F L D D H P G G			
UniRef90_T1JK60	P T Y S L Q D V A A H D T M N D C W V V I F D K V Y D I V E F I N K H P G G	D V T V E F I N K H P G G			
UniRef90_A8J4P9	K Q Y T L E E V A E H A S E E S C W F V H E G R V Y D A T P Y L N D Q P G G	D V T D I T K F V D D H P G G			
UniRef90_F4Q8L7	T Y T A E E V K K H N S L D N L W V V Y D N D V F D I T K F V D D H P G G	D V T D I T K F V D D H P G G			
UniRef90_A8Y4B7	F T R S E V S M H C G E D D C W I I V G N Y V Y D V T K F V D M H P G G	D V T G N Y V Y D V T K F V D M H P G G			
UniRef90_B0CZW8	T R I I T L D E L R E N K T R D S L Y I L I H G K V Y N V T K F M D E H P G G	D V T H G K V Y N V T K F M D E H P G G			
UniRef90_A5E688	K V F E F D E V A K H T T H D D C W V I I H G K V Y N V T S S Y I D E H P G G	D V T H G K V Y N V T S S Y I D E H P G G			
UniRef90_L2FJI9	K Q F T R E I E K K H D K E D D C W I V V D G K V Y Y D A T S V M A W H P G G	D V T V M A W H P G G			
UniRef90_G8YK43	T K Y F R L E E V K K H D N Q N E L W M V I H N N V Y D V T D F I D E H P G G	D V T H N N V Y D V T D F I D E H P G G			
UniRef90_B7QN7	P R Y T L N D V C Q H C R H D D C W L V I H N R V Y D V T S F L T Q H P G G	D V T H N R V Y D V T S F L T Q H P G G			
UniRef90_A9RTL6	F S A E E V Q R H V S P G D C W I I V R G K V Y D I S T F M D D H P G G	D V T R G K V Y D I S T F M D D H P G G			
UniRef90_M3B762	K Q F T R Q E I E K K H N T E S D C W L V V D G K V Y D D S T S V L S W H P G G	D V T D G K V Y D D S T S V L S W H P G G			
UniRef90_H2ZCZ7	F S S E E I V K K H N S N K D G I W V S Y K D G V Y D I T D F V D L H P G G	D V T T D F V D L H P G G			
UniRef90_A8NTX1	R T F T R E E V G K H N K D D D L W I I I D S K V Y D I T R F K G L H P G G	D V T R F K G L H P G G			
UniRef90_W4GCM4	R N I S R E E I A Q H N T E H D C W T I I L D G K V Y Y N L T P Y L R Y H P G G	D V T P Y L R Y H P G G			
UniRef90_1VJ68	KEY T I A Q V K E H N S N K K D V I W I L I G N D I Y D V T P F L N E H P G G	D V T H D S K V Y D I Y D V T P F L N E H P G G			
UniRef90_I4YF85	N K K Y T I L E D L K Q H Q S N E D M W L L I I N G K V Y D C T K F L D E H P G G	D V T H G K V Y D C T K F L D E H P G G			
UniRef90_UP1000265750C	K V T T E E F R K H N N E D D A W I C L K G N V Y N V T R Y L D F H P G G	D V T R Y L D F H P G G			
UniRef90_A7RTU7	K E V S K H N N R K S R I W V T Y K G G V Y D I T D F I I D G H P G G	D V T D F I I D G H P G G			
UniRef90_M1VG17	Y T S A Q V E R H Q S E T D L W I V V R G R V Y D V T R Y L N E H P G G	D V T R Y L N E H P G G			
UniRef90_D8PSI5	R Q I T R E E V A K H N K E G D L W I I I D A K V Y D L T K F K D L H P G G	D V T H D S K V Y D I Y D V T P F L D L H P G G			
UniRef90_W6QG15	P E Y T L K D V A A H N T K G D T W M V I H G Q V F D L T K Y L L H P G G	D V T H G Q V F D L T K Y L L H P G G			
UniRef90_F0X0K4	K N I T D A E V A A H N R E N D A W M T L D G K V Y N I T S Y L K Y H P G G	D V T H G K V Y N I T S Y L K Y H P G G			
UniRef90_G8YTL4	S K E F T A E D V A K H N K K D D C W V I I K N A V L D V T H F L K D H P G G	D V T H F L K D H P G G			
UniRef90_A8CIB0	K T F V F A D V S R H D K V D D C W L I I I S G K V Y D V T T F L D L H P G G	D V T H D S K V Y D I Y D V T T F L D L H P G G			
UniRef90_UP10004414E81	K K F T R E E V E K H N T E D S L W I I I D G R G V F D V T R F Q K L H P G G	D V T H G K V Y D I Y D V T R F Q K L H P G G			
UniRef90_J4GUH5	K Q Y T R E E V A Q H N T P D D L W I V I D A K V Y D V T K F K G L H P G G	D V T H G K V Y D I Y D V T K F K G L H P G G			

QUERY

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UniRef90_M0S7P8
UniRef90_W5M9A7
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	50	60	70
P S K L M L A A G G P L E P F W A L Y A V H N Q S H V R E L L A Q Y K I G E L	D E V L V T E A G K D A T E A F E D V G H S E D A R A L L L G P M L V G E L	D D V L L S A A G R D S T E D F E D A G H S K S A R E L M Q D Y Y I G E L	
E E V L L E Q A G G D A T E S F E D V G H S E D A R E M L K Q Y F I G E L	A D V L L I D V A G T D A T A A Y E D V G H S E D A D E I M Q T Y L I G T V	N A I L L E V A G T D A T E A F F E D V G H S D E A R E Q L E P F Y V G D L	
UniRef90_B8NNN6 D E V L V T S T G K D A T I D F F E D V G H S D S A I E M M E K Y F V G K V	UniRef90_C6TFJ7 E E V L L D V A G Q D S T E A F F E D V G H S D E A R E I L E G L L V G T V	UniRef90_B0XV58 E E V L L F E Q A G K A D A T E S F E D V G H S I D A R E M L K Q Y Y I G D L	
UniRef90_Q58E98 E E V L L I E Q A G K D A T E H F F E D V G H S S D A R E M M K K Y C I G E L	UniRef90_P49096 E E V L L I E Q A G K D A T K D F F E D V G H S T D A R E S M M Q N Y Y I G D L	UniRef90_D3TN06 E E V L L V E V A G R D A T E S F E D V G H S T D A R E S M M Q N Y Y I G D L	
UniRef90_B3S6U7 E E V L L E M A G K E A T E K A F N D V G H S S E A R E M L K K Y Y I G D L	UniRef90_Q8IRR0 E E S L V D E A G R D A T K A F N D V G H S S E D S R E I L L Q E Y L I G D L	UniRef90_UP10001F26F58 V D V L L E T A G S D A T T A F F E D V G H S S E D S R E I L L Q E Y L I G D L	
UniRef90_V7B6W2 D D V L L S S T G K D A T D D F F E D V G H S K S A R A M L G D L Y V G D L	UniRef90_P39865 E D S I L L N A G T D C T E E F F E A I H S D K A K K M L E D Y R I G E L	UniRef90_D7T9Y7 D D V I L I A T T G K D A T D D F F E D V G H S N D A R E L M K S F C V G E L	
UniRef90_M0SG07 D D V L L S S T G K D A T D D F F E D V G H S T T T A R A M M D E Y Y I G E L	UniRef90_G3WMN8 D E V L V E Q A G G D A T E S F E D V A H S M D A K D M L K Q Y Y I G E L	UniRef90_I1MAM4 V D S I L I N A G T D C T E E F F D A I H S E K A K K M L E D F F R I G E L	
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UniRef90_M2QRH2	D D L I L K Y A G K	D I G D V M K D A S E H S	E A A Y D M L D D F V I G R V
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UniRef90_B0D6Q2	D D L I L N H A G K	D I V G D A M R D E D H S	E S A Y E M L E E Y L I G R I
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UniRef90_U5H4Q7	P K A I L L Y A G K	D A T E E F L M V H E	A S V I S K Y A K N T I I G T L
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UniRef90_K5XUE7	L S V L L D P V A G Q	D A T E A F Y S L H R H E V L E R A Y Q R L K I G T I	
UniRef90_N6TYM0	G D L I T E Y A G K	D A T K A F D D D G H S S D A K K Q L K K Y K I G E I L	
UniRef90_B9W9Y4	K E S I A N F A G R	D A T E S F A M L H D D D F I P K Y V A S C V L G R L	
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UniRef90_S7PYQ0	R V P P S E L K K	H N K D D A W T A I N G K K V Y N V	I T R Y L P F H P G G		
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UniRef90_A6NAB8	K D I T M T E V	A T H G T E A D G W T V L R G K V Y N I T H Y L P Y H P G G			
UniRef90_Q54UZ7	S K V F S T S D V	A S H N K G D D M Y I V D G D V Y D I T K F Q D E H P G G			
UniRef90_C1FH67	R I T P S I L K Q	H N N K G D D A W S A F N G K V Y N I T H Y L P Y H P G G			
UniRef90_E9DV80	D E V A K H S S R	E S C W V I A D R V Y D V T E F L D S H P G G			
UniRef90_K5WHG5	T P Q I R K A D L	E N H K D G G L W I V V Q G K V Y D V H S Y R L Q A P C G			
UniRef90_UPI0004413E88	UniRef90_R7TG62	E N H K D G G L W I V V Q G K V Y D V H S Y R L Q A P C G			
UniRef90_E9EM52	UniRef90_M5FQQ2	E N H K D G G L W I V V Q G K V Y D V H S Y R L Q A P C G			
UniRef90_A9E5M2	A R I I Y T A H D	V S L H T S P V N C W V S R K G R V Y D V T S F V P D H P G G			
UniRef90_T1INN5	V T M C E L K S	H T S P V N C W V S R K G R V Y D V T S F V P D H P G G			
UniRef90_Q9DEX6	R S L T A A E V A	K H N S K G D L W V V I D S Q V W D L S D F A E I H P G G			
UniRef90_K1QQ31	K S I A I D E L R	K H N S K G D L W V V I D S Q V W D L S D F A E I H P G G			
UniRef90_A0EGP4	V T W E E L A L	H N T S D D A W I V I D D D V Y D V T D F L A Q H P G G			
UniRef90_K7M5W7	T S Y L S S D E L	R K H N T R H D A W I S H G K V Y D V T S S W L H R H P G G			
UniRef90_D8QDF5	F T A E D V A E	H K T A E S T W V T Y K D R V Y D V T Q F L P D H P G G			
UniRef90_T1INN5	P V Y S A I D V	H K T A E S T W V T Y K D R V Y D V T Q F L P D H P G G			
UniRef90_Q9DEX6	T Y T W E E V Q K	H T K F G D Q W I V E R K V Y N V T S Q W V K R H P G G			
UniRef90_K1QQ31	T Y S Y Q E V V S K	H D K R D D R W I I I N Q V Y N I T N W A R R H P G G			
UniRef90_I0Z1Q3	R S F T L E E V S	K H N K K E D A W I V V N G K V Y D I T A H I M N H P G G			
UniRef90_G3AX98	V S V D E V R H	H N K P D D C W I A I N G K V Y D I T M H P G G			
UniRef90_A0A022PZN9	K Y I T S E E L K T	H N K P D D C W I A I N G K V Y D I T M H P G G			
UniRef90_P09437	E L T P E V V S Q	H N K K D D W V V L N G Q V Y D I T D F L P N H P G G			
UniRef90_V9NEN3	T R K I T I E E L	K H N D R A Q P W F V V N G E V Y D G T P F L N E H P G G			

50 60 70

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UniRef90_J4UJJ4	A R V I Q R M G G K	D A T K A F W K Y H G E S V L A K Y G D R F K I G S V L
UniRef90_U9U5J5	E D I L L F A S G R	D A T Q A F E T Y H E L G K P D L V L K K Y F I G T L
UniRef90_H6C433	A N I I L R C A G Q	D A T E E Y E S V H S P E L I A E T L P P
UniRef90_E3RJ95	A Q S I V S A A G Q	D A T D E F M A I H S E T A K A M M P E Y H I G T L
UniRef90_K5WWT1	D E V I L A E A G Q	D V T E A F E D V G H S D E A R A L P G M F G D
UniRef90_UPI0004560E5F	E Q V F H D E E V A G Q	D A T D V F F G L H R R E V L E K H Q Y A R L I V G T I
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UniRef90_W2S5X9	A Q S I I S A A G	D L D S S E E F M A I H S E T A K A M M P D Y H I G S L
UniRef90_S7PYQ0	E K E L M R V A G R	D G T K L F M L T H A W V N A D F M L D S C M V G F L
UniRef90_K3X3P0	A E I L L D L A G M D	D V Q D E F E D I G H S A A A R E M L Q V L C I G E L
UniRef90_S3D0M5	E E V L L D V G G Q	D A T E A F E D V G H S D E A R E I I L D G L L K G D L
UniRef90_UPI00045605FA	D D L I L R F A G K D	M G E M D D P E E H H S D S A Y D V L N E Y L V G R L
UniRef90_K8F1T0	A K I L L Q A F G	T D C T A L D K F K H K Y V N G E F M M R E C Q V G V
UniRef90_J5RA85	S V V L L D K D V A G K	G D D A T T V F F G L H R D E V L R K Q Y Q R L R V G Q I
UniRef90_B3RY36	E E K L N Q Y A G K	D A T E V F D S A G H S E E A K A L M Q A F F V G
UniRef90_M3B5G7	S K I I L Q L A G	S D A T E E Y D P I H P P G T L E D S L P
UniRef90_C5K5E0	K K A I L L F A G K	D A T E E F D M L H E R K V I K K Y A P K A H L G R L
UniRef90_B4LSV1	D D I I M D H A G R	D A T I A F H G T G H S R H A V E Q M R Q F L I G Q L
UniRef90_D2A1V9	F E I I M E W A G K	D A T I A F D N A N H S N A A R R D L Q E R K I G E L
UniRef90_M4ERR3	D A I I L D H A	G D D S T D G F F G P Q H A T R V F D M I D D F Y I G Q L
UniRef90_UPI0003C18D9D	R K V I R H Y A G E	D A T D V F R A M H P D P D V R L Y L K P L I G E L
UniRef90_A0A023PZAT7	F R V I N H Y A G E	D A T E V F S A F H P Q K F V Q K F L K P L I G E L
UniRef90_M7XAP0	S E S I T L V A G E	D A S E D F M A I H S D A K L R L A D F H I G T L
UniRef90_FOLHY9	R D A I L K Y C G	T N A T E V F F L E H N Q N D Y E A L Q A Y Y I G T I
UniRef90_E4ZGQ3	A K V I L Q L A G	T D A T E E Y D P I H P P G I L E E N L E A S K V G T I
UniRef90_W7IBU8	Q K I I L Q R V A G K	D A T K Q F W K Y H S E G V L K K Y A P K L Q V G S L
UniRef90_Q10352	Q K R I L D Y A G R	D A T V F M K F H A W V N E E A L K T S F V G F L
UniRef90_E9ESE9	D R I I L K R F A G K N	A T K A F W K Y H S E S V L K K Y G D K Y K I G T V
UniRef90_H3G8F3	R E I L V L L H S G R E	C T D T F D S Y H P S S R A D K I L T K Y A V G K L
UniRef90_G2QXN3	A K I L K R M A G K	D A T K Q F W K Y H G K N V L E K Y G P K L R I G T L
UniRef90_G3J5K5	V D V L K D S A G	T D A T E S F D Y A G H P K S A V Q S M A K F C I G R L
UniRef90_A7SG16	E S S I L Q K Y A	A C D T A K A F E E A H S Y E A R R M M M Q D H L V G T
UniRef90_X6MJ26	K D M I L L M A G R	D C T D L F I A Y H P T R P R E V L K K F Q O G V L
UniRef90_E9AJH1	R D I I L L Y N A G G	D A T Q A F T D T D N G H S D A A Y H H M M G K Y V I G D L
UniRef90_T2MAR6	E N I I L L S H A G N D	I T N Y L Q D K T I H H S K N A L N L K D F Q I G E V
UniRef90_F0X946	A P S I T A A A A Q D	V D T E E F M A I H S E K A K R M M A A Y H V G V L
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UniRef90_W7ATW2	U n i f r e 9 0 _ A 0 A 0 1 7 S L 1 3	E D I I L E R A G T D V T D L V F M Y H S W V N V E K L E N T Y L G K
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UniRef90_G1XJ45	D D I I L D Y A G K D	I S D I A D P Q S H H S D A A Y E I L L D D S L V G F L
UniRef90_B0W4H9	H D V L M E H A G R	D A T I A F T G H S Q A A I A S L Q L Y E I G E L
UniRef90_UPI0003C18D9D	A K I L K R V A G K	D A S K Q F W K Y H N E N V L K K Y T P K L K V G E V
UniRef90_A0A026X0N4	E E V L A E H K G K	D A S E D F D D V G H S K D A M E L M K K Y Q V G E L
UniRef90_UPI0002741F43	H R V I G H Y A G E	D A T D A F R A F H P D L N V H K F L K P L I G E L
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UniRef90_S3D849	E V I L L R A A G G S	V E P Y W K I F N I H Q K Q E V Y D I L E M Y F I G T V
UniRef90_A5E1R5	A Q S I L L N F A G R	D A T E S F E M L H E D N F I P K Y V P K S V L G V I
UniRef90_F6W9I4	M R V I G H Y A G E	D A T D A F H A F H P D K N V R K F L K P L Y V G E L
UniRef90_S4PEG5	A E I I L L D N A G K	D A S Q C F R D V G H S D D A K L W R A E F Q I G E V
UniRef90_B8N2T7	K G P I M A H A G A	H M D T T E F E S I H D N Y A H E K L K
UniRef90_F2RSC5	Q Q I I L L K Y A G K	D A T A E F E P V H P P D T L D R Y L D R
UniRef90_C5KQC2	P E A I L L K Y A G K	D A T E E W N M I H S F D V L K Q Y G G K Y I V G K L
UniRef90_R4XCZ5	N N V I L N A A G G S	I D A F W E I F T I H L K P E V T D I L E S Y K I G E I L
UniRef90_UPI00039927B9	S R V I K H Y A G Q	D A T D A F I A F H N D K S V K Y L K S L L I G E L
UniRef90_UPI000440A943	R K V I L L Q Y A G R	D A T S V Y E P L H P P D A L E K I P P E K H L G S L
UniRef90_K5VZI7	D E I I L L K Y A G L	D V G E L M K D T L E H H S D S A Y D M L E E F I I G R L
UniRef90_I7M6Q0	D D I I L L K C S G R	D S T Q Q F R D V N H T D Y A V S L R D Q R L I G V I
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UniRef90_U4LIP8	V P A I L L N N S G K D	I D T T H K V F K S I H P P N T L R R I
UniRef90_S2JN42	A T S I I I N V A	A T D D A T D E F V G I H S E S A K G M M P T Y H I G T L
UniRef90_K8FE99	D G I I L L E F A G T	D I T F V L D D I N Y H H S D A A Y D L L T E H Y I G D L
UniRef90_A6NAB8	N N M I H V N A A G G E	C T A L F E S Y H P L K A R K V L E K F Y V G D V
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UniRef90_C1FH67	K N A I L L R F A G K	D G S K M L Q L D S S K M L Q L D Q Y F I G H L
UniRef90_E9DV80	R K I I L L T Q A L G K D	C T A L F D R Y H R W V N G G M L E K C K I G V L
UniRef90_K5WHG5	K K I I L L Q R V A G K	D A S K I F W K Y H N E G I L K K Y G K L Q V G S L
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UniRef90_E9EM52	S D L I L L Q Y A	A T D G T V P F E V S H S A E V K E I M K N F C V G T
UniRef90_M5FQQ2	S A S I F E G A A G Q	D T E F V T I H S E N A K A M M P A Y H I G K L
UniRef90_M7XZR1	E D F I L L R Y A G K D	L K V L E Q N A G K D V T K L F K T I H P P K T L E K F L D E N L V G Y I
UniRef90_K1X442	I K V I L L Q Y A G K D	A S S I V G A A G Q D A T D E F M A I H S E N A K E M M Q H Y H I G S L
UniRef90_A0EGP4	M K L I L L D K A G D	M K L L D K A G D D A S T H F H R I N H S Q Q A H Q I M S E L Q V G V I
UniRef90_K7M5W7	P L P I L L S L A G	T D A T D A F L A L H P P N S A S L L P A F
UniRef90_D8QDF5	D D I I L L K Y A G K A	D E F M K D P B L E H H S D S A Y D V L S D Y Q I G K L
UniRef90_T1INN5	D K I I L L M A A G G A L	D K I L M A A G G A L E P F W L I Y A V H Q T D H V L K L L E D H R I G N L
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UniRef90_K1QQ31	S R V I G H Y A G Q	D A T D A F R A F H N D D Q V Q K Y L P L H I G S V
UniRef90_I0Z1Q3	E T V I L L A I M R V L G T	D C S E E F D E V H T A G G K K Q L P G F C I G S L
UniRef90_G3AX98	K E R I L L K L A G R	D A T K D F G Q I H S K D I L D K M V E F I L I G T L
UniRef90_A0A022PZN9	D L P I L L L H A G Q	D A T D A F V A F H R G A W Q F L E K Y
UniRef90_P09437	Q K I I L L I R Y A G K	D A T K I F V P I H P P D T I E K F I P P
UniRef90_V9NEN3	S D S I T L V A G E	D A S E D F F A I H S A E G K A K L A Q F H I G T L

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UniRef90_Q9DEX6
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UniRef90_G3AX98
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UniRef90_M7TBN2	S K T F T A K D V A E H K D E K N G V W I I V D S D V Y D V T N F L E E H P G G
UniRef90_E6ZP89	R V T P S E L K K H N T R E D A W S A F Y G K V Y N L T P Y L P F H P G G
UniRef90_U7Q636	K Q F T R D E I E K H G Q E D D C W L V V D G R V Y D A T S V L R W H P G G
UniRef90_B3RRK4	I S I Y D I V T H N G G R N G C W I V I D R R V Y D I G E Y I L D P F H P G G
UniRef90_A9PGW5	K G I T S E E L K Q H N K A G D L W I S I Q G K V Y D V S D W A N E H P P G G
UniRef90_UP100037ECC25	R V I N M E E L D R H D Q P D D C W M A I H G Q V Y D F T D Y L P R H P T P
UniRef90_Q4D710	P V F T L D E V R Q H N D R S S I W I V A G N S V Y D V T Y I L D T H P G G
UniRef90_B2AU75	L T V D P V A K H N T A E S C W V V L H G A V Y D V T E F L P S H P G G
UniRef90_K1VUB2	K L I P L S E V A K H N Q P G D L W I V I N G R V L D L S N Y A G Q H P G G
UniRef90_L1JSB6	K V F E W S E I K K H D K E N D A W V V K D G E F V D S K F L K E H P G G
UniRef90_C3ZXW9	T W A E V R S H D N K H D L W F V I D G M V Y D V T N W S K R H P G G
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UniRef90_W6NFJ6	R E I P R C E V S L H C T P D D A W M I I R N D V I D V T N F L E E H P G G
UniRef90_D8SY73	Y R L E D V K A H D S A E D C W L V I A G K V Y D V T S W V P S H P G G
UniRef90_M5C8G3	R M I T V A E L K A Q P K E Q P W F V V D G E V Y D G T G Y L A D H P G G
UniRef90_A7RJB6	K V Y T L D E V K E H C S K G D C W V V V E D S V Y D L S K W I G H P G G
UniRef90_W9WK35	P T I T R T E V E Q H N S R K S C Y V T I G E R V F D V T D F I D D H P G G
UniRef90_UP10004128D8	R V T P S M L K E H R T R E D A W S A F N G K V Y N L T H Y L P Y H P G G
UniRef90_I2FUL6	V T A S E L A T H A D G E E P W F I V H G H V Y D G T G F L K D H P G G
UniRef90_M2M777	P T L P Q A D V A S H N T A E S C Y V T V G T K V Y D V T D F L E D H P G G
UniRef90_UP10003F13656	S T S F S S A D V Q R H L E A G L C W V R C G A R L Y D L T G F V R Q H P G G
UniRef90_Q2IS27	I T A A E L A R H A T P A D C W M A I R G S V Y D L T G Y L P D H P G G
UniRef90_J5PL65	F S R K T V E E H N T A K S C W V T Y N R K V Y D V T K F L G E H P G G
UniRef90_Q2GUZ4	P T F T L A E V E A H N S A K S C Y V T L G K N V Y D V T D F I D A H P G G
UniRef90_A9SQ94	S K S Y L L T E V S A H T R P N D C W I V I K N K V Y D V S D F A A Q H P G G
UniRef90_B2WBN2	A K R F S T A D V A S H K T A S D L W I V I D E D V Y D L T N F Q E E H P G G
UniRef90_N2IS27	N K I F T S A E A K A H N K E N S C W V W L Y G K V Y D V T H F L S S H P G G
UniRef90_G9NVR1	K S F T T S D V S S H K D D A N G Y W L I V E D G V Y D V T N F L E E H P G G
UniRef90_R9APX4	T R A D V V E A H K S D K S C W V T I G R L I Y D V T D F L H D H P G G
UniRef90_S8BL46	V A K H N T P E S C W V I L Y G K V Y D V T D F L T S H P G G
UniRef90_I2CP30	E Y T K A D V Q A H K T I E T G V W V T Y K D G V Y Y D I T K F A E N H P G G
UniRef90_J9PDF7	K D F S M D D V K H H D K R D D K W L V I Q G E V Y N I I T D W A R R H P G G
UniRef90_D7FWC5	I T K A E E V R Q H N T Q H D C W S I F R G K V Y N L T P F L H Y H P G G
UniRef90_G4NH69	P S F T Q A E V E A H N T N R S C Y V T V G Q N V Y D V T D F L D A H P G G
UniRef90_A0A010RMJ7	T I S V T D L S K H N T K S D C W I A V H S K V W D I T N F V P E H P G G
UniRef90_Q0UI74	N R V I S L E E F E E Q A K S K C W F S I S G E V Y D A T E Y L S E E H P G G
UniRef90_V2XIP2	R H I P T S E I R K H D K E D D C W V V I D G R V F D M T E Y L K D H P G G
UniRef90_L8H6C4	U N I F A L V D V A R H T S P A S L W I T Y R G G V Y D I T H F L P D H P G G
UniRef90_C5LG14	K T Y K I A Q V A E H N K E G S T V W V T F K Q G V Y D I T E F V A K H P G G
UniRef90_G0MIW2	T K R I T H E E L M K H N T Q D D C W V H L F G T V Y D V T K Y L E F H P G G
UniRef90_W8KNJ5	P V I T Q E E L A R H D Q P E D C W K A I H G K V Y D I T D Y L P R H P G G
UniRef90_F9FJV6	T F S R E E V R S H T T D E S L W C W I D S T V Y D D L T D F V D A H P G G
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UniRef90_W7U354	P V Y R M Q Q V S R H N T R G D A W I V V D G K V Y Y D V T E Y V D V H P G G
UniRef90_W4KCJ4	V L K Q H R K R D D A W S A F N G K V Y N I T P Y L A F H P G G
UniRef90_UP10003F48BF4	N K I F A L V D V A R H T S P A S L W I T Y R G G V Y D I T H F L P D H P G G
UniRef90_M3AEQ6	K L L S T Q E I A K H N T A E D C W L V I E D Q I W D C T Q F S G E H P G G
UniRef90_S6EXQ9	I P V K E V M L H N K P D D C W I V L N D E V Y D V T G F L E L H P G G
UniRef90_V5FNI6	A K A F S K D E V A S H S K G D S L W V I I D E D V Y D L S T F Q D E H P G G
UniRef90_F6I678	K Y I S A E E L Q K H D K P G D L W I S I Q G K V Y N V T D W A K V H P G G
UniRef90_A0A024S7X3	R V T P S M L K A Q T G R K G D A W M A I N G K V Y N V T P Y A K F H P G G
UniRef90_W9ZGH9	T K R F S L A D V A R N N R E D S A W L V V N G V W D V T G F A D S H P G G
UniRef90_G4ZYR6	R L S V H E V Q R H T G A R N G T W V V Y K N G V Y N I T K F I A A H P G G
UniRef90_K4C141	K Y I T A E E L K K H D K P D D L W I S I Q G K V C Y N V T D W V K E H P G G
UniRef90_A7T3B4	T K T F T W Q Q L S R I N T E Q N A H L A I H G K V Y Y D V T N F L L R H P G G
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UniRef90_A0A011PQK1	S K A Y A L S E V A R H N S S D D C W M A I N G E V Y D L S S Y L P D H P S P
UniRef90_UP10004432D36	P T L T Q A E V E S H N N A K S C Y V T I G P K V Y D I T S F V D D H P G G
UniRef90_A0A017SQ25	R S I S S E E R L H N T P S D L W I S I Q G K V Y D A T H W V K D H P G G
UniRef90_K7XFM2	K Y V S Y Q D V Q K H K S K D C W V I I E G Q V Y D T T P I L D T H P G G
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UniRef90_A2FNG8	I R W E E V V R R N E S G E V W L V M Q G M V L D I T R W I P E H P G G
UniRef90_G5AFJ7	Q V S L D E R L K H D R K E D C W I A V H S K V W D F T E F V D E H P G G
UniRef90_W3X6G2	T Y S W Q E V Q R H N R E A D Q W L V I D R K V Y S V T G W A D R H P G G
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UniRef90_B7GBM1	K I T T W D E V R Q H K T P Q D A W L V Y R N K V Y D V S G W Q D H P G G
UniRef90_W7T1F0	R T I T F D E V A K H N T K E D C W I V I V E D K V W D L T G F A V D H P G G
UniRef90_F0Y4W6	A R K I S I S W Q E V K T H A S P E D A W I I H S N S K V Y D V S N W H E H P G G
UniRef90_B7G6R1	K L C M C E V K L H R S L E S C W L V C T S G Q V Y D V T G L V T A H P G G
UniRef90_V9DYF8	P T Y L Y S E L A K H N T E K S C W I V I T G T R V F D V T P Y V E E H P G G
UniRef90_S3CPV5	S R S F T K E E I S K H N T R K D C W I V I K D K V Y D V T P Y V E E H P G G
UniRef90_K7JUG5	R V T P S M L K A H H N G R K G D A W T S Y M G K V Y N I T P Y L P F H P G G
UniRef90_C0NVW9	R Y I T S E E L K T H S K R G D L W I S I Q G R V L D V S E W I H T H P G G
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UniRef90_A8BAF9	Q I K Q H H S N K A G D L W I S I Q G K V Y D V T E F L P D H P G G
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50 60 70

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

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UniRef90_U4L148	P V I P L S T L S R H T G R E G M W I G V H G S V Y D V T D F L P I H P G G			
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UniRef90_W1QL89	P V F S P D E F R R L A K S Q N R Y L V V V S G L I H D V T P F A K D H P G G			
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UniRef90_M0ZHN0	Y R W L E G K R H D D G A E G L W R I H D T L Y D L T E F I D R H P G G			
UniRef90_Q17D83	K D G R Q L I I L S G M V Y D I A T F I P H P G G			
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UniRef90_C3ZBP6	E E V G R H K T K D D A W M I L N K K V Y N I T D Y V T T H P G G			
UniRef90_R8BLK3	K K N N Q T L I I I H N E K V Y D V T K F V N V H P G G			
UniRef90_T11TN5	S Q Q F S A A T V A T H N K P T D L Y I I V D G N V Y D L T K F Q D D H P G G			
UniRef90_F6QBE1	S V P L T C C Q V R R H R H E G S L W L V A N G R V Y D A T L F M Y D H P V G			
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UniRef90_M8BXT3	K V Y S F Q E V R K H S Q R K D C W L I I S G K V Y D V T P F M E E H P G G			
UniRef90_U3IR4	S A V Y T W E E V Q R H S H R G D Q W L V I D R K V Y N I T Q W V K R H P G G			
UniRef90_D2Y361	Y S K D D V A S H N K G N D V W I V I D E D V Y D V S K F L D D H P			
UniRef90_C5FGI6	F I I H G K V Y N V S G Y L D D H P G G			
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UniRef90_G8ZVC4	P V V T W E H F Q D Q A K E R T L V L I A G F I H D C T A F A Q N H P G G			
UniRef90_R7S2L1	P M I T P E Q F A K D Y E E K E K A L V A I E G I I H D V T P F M H D H P G G			
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UniRef90_M8BXT3	R V I S R K E V A Q H D D M S S G W I I L H N F E V Y D I T D F S D A H P G S			
UniRef90_H3G392	I A V A G I V H D V T D F I N D H P G G			
UniRef90_M2N464	S Y E E F Q K D C K T K S L I I I D N V V H D V T N F I G E H P G G			
UniRef90_E9E515	L I I I D Q K V Y D I S E F V E D H P G G			
UniRef90_D2VE06	M Q H P G G			
UniRef90_11C588	UniRef90_A8Q4K7			
UniRef90_E4UU46	K K N G R A L V V I A G V I H D V A S F I E E H P G G			
UniRef90_V9DQW9	S K Q Y K S R N E A K D Q T Q D N E Y W I V I D S I V Y D C S D F A A E H P G G			
UniRef90_M5E9X0	A K T K P L V V V H G F K I H D M S T F M D Q H P G G			
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UniRef90_N4VN67	K K V Y D V T K S L D D H P G G			
UniRef90_Q9S993	C V L T I E G S R Y N L T A W A K S H P G G			
UniRef90_B7G962	K V S S F E L G K H I N D N D A W M V L N G V V W D F S G F G S K H P G G			
UniRef90_W9VLK3	N R E E S C W V G L E G G V Y D L T A F L E I H P G S			
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UniRef90_A0A0343VV4	S K W Y T A R E V G T H C S T T D C W V T I S G R V Y N V T P L F A D N P P L			
UniRef90_Q5EZ43	R P Y T L E T L A R C D N P T F G C Y T A I G D Y V Y D L K T Y L D N H P G G			
UniRef90_A9RJ29	L T N S E I G W N Q F P Q T R Q Y L Q I H E H V Y D I T D Y A Q W H P G G			
UniRef90_W3WPK8	I T P Q E I K S H N N V K N C W I I V D A K V Y D V T N L I A I H D T Y			
UniRef90_C9SRY6	L V E H H R P D S S W M A I S G T V Y D V T E F A A Q H V G G			
UniRef90_G9EKT1	F S P T D V S L H A S T K D C W V V I H G K V Y D V T K F L E D H P G G			
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UniRef90_W5HPX0	UniRef90_W4WY68			
UniRef90_W9JDS5	R N G R A L V L V A G V V H D I S S F I N D H P G G			
UniRef90_D5G9Y9	P V V T W E T F Q E E S N L R T L I I I S G F I H D V S S F L D E H P G G			
UniRef90_H3GMB1	E G R K C L A I E G Q V Y D V T D F L D L H P G G			
UniRef90_V2XGH1	K S W T P R E L A K A P P E R V L I A I D G R V H D C A G W L R R H P G G			
UniRef90_E4XCW1	K K F A W S E I Q K H D K E D D V W I V V K D R V Y D V T E Y L E L H P G G			
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UniRef90_Q5EZ44	R K I S A E E L E A Q N K K D E P W F V V R G E V Y D G T G F L D K H P G G			
UniRef90_K9GGK2	S K T F N M A D V E F I S R T Q N R L L V V Y D N D V Y D L S Q F Q N K H P G G			
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UniRef90_S4TYU8	R K K V D G A E G L W R I E N K L Y D L E T F M K S H P G G			
UniRef90_Q24FF1	Y R W L Q G K R V D D N A E G L W R I H D G I Y D L T D F I D K H P G G			
UniRef90_H6VTS2	V S W E T F K E Q S R E R T L V L V S G F I H D V S A F A G N H P G G			
UniRef90_F4WE00	K H D D A A E G L W R I K D K L Y D L T D F A R R H P G G			
UniRef90_M7BXU8	K T F T R N A V A E H I L Q G Q I L V I Y K S K V L R L N S W I D K H P G G			
UniRef90_U5EV23	S T Q I S M K E L A G C N S T E K C L I G L H N H V F D I S N F V D S H P G S			
UniRef90_D8QK08	P V I E F E E F Q E Q A K T R D L V L I S G I V H D V S A F V E H P G G			
UniRef90_B4KHY0	K R K D D E A E G L W R I K D K L Y D L T E F I P H P G G			
UniRef90_I4Y832	A R T F T C C Q V N R H R D N A S M W L V A N G D V F D V T D F G G G H P V G			
UniRef90_B8C1K3	UniRef90_C5DT32			
UniRef90_C5DT32	UniRef90_Q6CCW6			
UniRef90_J9EDH6	UniRef90_W8BXF4			
UniRef90_E2BPR4	UniRef90_C1MWU2			
UniRef90_C1MWU2	UniRef90_A8HMA4			
UniRef90_W4H2Q1	UniRef90_J7S0H3			

50 60 70

UniRef90_C5FNM2	E E L L R N V A G Q D A T A F F Q D A G H S Q D A Y A K L E S L R I G K L
UniRef90_Q75FB4	D Q Y I L D Y A G K D T A V L K D K L I H H T E A A Y E L L D E Y L V G Y L
UniRef90_W4H3B9	S E L I P K E A L N V D C V G M F E V F H A S K A S F R Y L K Q K F Y L G E L
UniRef90_U4L148	S L I V A A S A G L D A S K T F D E A H T S N P E V M S L L S K Y F T G Y L
UniRef90_G0UNH5	E S V L R Q Y M G K D A G D T F V R I H S L S T K S R M Q R Y C G S L
UniRef90_F9FSR0	V Q A I L N F M G R D A T E E F E M L H D D E V I P K Y A P Q Q V I G R V
UniRef90_B2W8I4	K A L I K S A G K D A T A F N G G V Y E H S N A A H N L L S T M R V A I L
UniRef90_W1QL89	L P L I K A A H G K D A T T A F N G A V Y Q H S N A A R N L L A T M R I G A L
UniRef90_UPI0002BC9905	D E V L R E M M D K Y Y I G D I
UniRef90_UPI0002C44BE8	P K V I N H Y G G E D A T S V E D F R E L W S L L E A K N M F K
UniRef90_A0A058Z867	P L I M T Y S G E D A A D A F Q A F H P V G T F K M L A Q Y Q I G E L
UniRef90_S4RIQ1	E E E L M K A A G V D G T E L F E Q V
UniRef90_A0DIJ8	K E I L Q L Y K N Q N A T E A F K R L G H S Q E A R E K M D L Y K I G E L
UniRef90_KOKPN6	I A L I K T S L G K D A T S A F N G A V Y D H S T A A H N L L A T M R I A A V L
UniRef90_V7ASU3	D E V L V T S T E K D A T T D F E D I G H S D S A V E M M E T Y F V G E V
UniRef90_M0ZHN0	D A I L D H A G D D S T E G F Y G R S S D V
UniRef90_Q17D83	P E W I R L T K G T D T E A F E T H H T T R A E S L L P K Y K V
UniRef90_B8NXX4	V K I L V S H I G K D E A F N G E I Y S H S T A A R N W L D E F R I G F L
UniRef90_B2AZ56	K T L I N S A G K D A T A F N G G V Y N H S N G A H N L L S T M R V G V L
UniRef90_G2R5E5	A A S I N A A G Q D V S E E F
UniRef90_C3ZBP6	K L V L Q R Y Q G Q D V T A V M K G P L H R H S P A A Y S M L S Q Y C V E E
UniRef90_R8BLK3	K A L I K S A G K D A T A L F N G G V Y D H S N A A H N L L S T F R V S V I
UniRef90_T11TN5	D A I L R F A G K D G T T A V Q Q Q S A H K R N R F I N Q T L E K Y Y I T D L
UniRef90_F6QBE1	S K I L S L R H G K D V T N M A N A P H V H S K N A Y R W L Q Q Y Y V
UniRef90_N1JGW0	K K I L Q R V A G K D A S K L F W K Y H N E G L L K K Y Q A K L L V G S L
UniRef90_C1EFX2	P A P M L R G S G R D N T E D M E M H S G A A Q R A W R R L R I G H L
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UniRef90_M8BXT3	D E V L R E M M D K Y Y I G D I
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UniRef90_G8ZVC4	T A L V K I S L G K D A T Q A F N G A V Y L H S Q A A R N L L A T M R I A M L
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UniRef90_M2N464	K A M I K S G L G K D A T A M F N G G V Y N H S N A A H N L L S T M R V G V I
UniRef90_E9E515	A D V L L D V A G N D A T V A Y D E V G H S E D A D E L L K A Y V V G T
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UniRef90_A8Q4K7	D E V L L T E A G N D A T E P F E D V G H S E D A R E Q L K T F Y I G K L
UniRef90_E4UU46	K V L I S S A V V G K D A T A L F N G G V Y Q H S N A A H N L L S T M R V G V I
UniRef90_V9DQW9	E D V I M S F V G E D C S W Q F W R L H G K S V M E Q Y G R A L R V G R
UniRef90_M5E9X0	R N Y I A A Y L G K D A S V A F Q G G V Y E H S N A A H N L L S M M R V G V L
UniRef90_UPI00046221F2	A N A I L S Y A G K A T V D V T N E Y K G H D H N Y A N G K R D E C L I G M L
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UniRef90_Q9S993	H E V I L T S T G K D A T N D F T D V G H S S T A K P M L R K Y Y V G
UniRef90_B7G962	E R I L L A K F N E K D A T K S F R A A H H S M A A Y E M L Q D F A I
UniRef90_W9VLK3	E E V I K S H L G K D G S K V Y N E I H S P G L V L R H L E E K R I G D L
UniRef90_K8YSQ2	K E T I L L V N A G G D A T A F F Q D V G H R G R A Y R G L
UniRef90_A0A034WV4	E F F W L L I E S K G T D T E A F E A H H L S K G P H K L Q K Y K V
UniRef90_Q5EZ43	A D S
UniRef90_A9RJ29	C E P I I K N A G K D I S Q W F E
UniRef90_W3WPK8	R Q I I I K Y L G E Q A T E F Q D W H S P D I L E Q V A H L R V G R L
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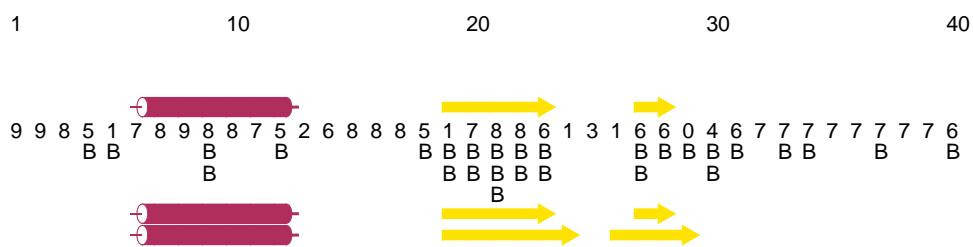
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 I K S I | L H M V G R D A T D E I T A L H S K E A Q A H M Q K Y V I | G R I
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