

QUERY	1	10	20	30	40
UniRef90_K9PVW7	M	L	Y	R	V
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UniRef90_UPI0003B4204F	Y	H	C	R	I
UniRef90_X1CA12	K	A	R	V	
UniRef90_UPI0003484865	F	E	A	K	I
UniRef90_Q2W731	T	Y	Q	A	R
UniRef90_K8GTQ2	K	A	K	V	
UniRef90_K9YG27	Y	F	A	Q	V
UniRef90_K9XU93	T	Y	K	A	Q
UniRef90_UPI00047796CE	Y	H	A	R	I
UniRef90_A0A21X3T7	K	F	N	S	K
UniRef90_D9RY29	M	I	K	A	R
UniRef90_UPI00034C193B	M	Y	L	A	R
UniRef90_B0C7S2	M	E	F	S	A
UniRef90_V5SE19	T	Y	Q	A	K
UniRef90_E0XW78	K	A	R	I	
UniRef90_T2JGD9	R	V	K	T	R
UniRef90_C0ZKC4	Y	H	C	R	I
UniRef90_K9U809	M	F	K	A	V
UniRef90_F5SIZ0	K	Y	L	A	R
UniRef90_UPI0003121F05	M	Y	K	A	K
UniRef90_W9H6Z4	K	A	N	V	
UniRef90_LONET4	M	I	F	K	A
UniRef90_UPI000478DE3C	M	F	K	A	T
UniRef90_K9ULL6	K	Y	H	A	R
UniRef90_X1HPK4	M	Y	L	A	K
UniRef90_E2CMD8	K	A	R	V	
UniRef90_K9GQR4	K	A	R	V	
UniRef90_Q31Q19	R	Y	H	A	R
UniRef90_U5DG11	Y	R	A	R	V
UniRef90_U9VTY2	T	Y	Q	A	V
UniRef90_J2UZV9	T	Y	V	T	L
UniRef90_D6Y9J5	K	A	R	V	
UniRef90_Q0G055	M	A	R	V	I
UniRef90_UPI00041E75C7	M	I	K	A	R
UniRef90_Q0FGG4	Y	Q	A	R	I
UniRef90_L8LUP0	K	V	R	V	
UniRef90_A3UDW2	Y	Y	A	R	V
UniRef90_Q1YE2	K	A	R	V	
UniRef90_S9R3A1	K	A	R	V	
UniRef90_K9T719	T	F	Q	S	R
UniRef90_I8ZH2	M	Y	K	V	
UniRef90_H8FPD1	K	A	R	V	
UniRef90_K6D160	M	F	K	V	
UniRef90_UPI000363BE2D	K	A	R	I	
UniRef90_F6B7W9	M	F	Q	A	K
UniRef90_UPI000371A052	K	A	R	V	
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UniRef90_B0J15	K	Y	Q	C	C
UniRef90_D8G7D5	K	Y	Q	A	R
UniRef90_E3I899	K	A	R	I	
UniRef90_U4WWY5	M	C	K	A	V
UniRef90_XORF71	M	Y	L	A	K
UniRef90_K9UTR8	K	Y	R	A	K
UniRef90_K9RCC1	K	Y	K	A	K
UniRef90_U5QCB4	M	Y	K	A	T
UniRef90_X4Z721	M	L	K	A	T
UniRef90_A8TMY0	K	A	I	V	
UniRef90_Q2JP9	M	Q	F	Q	A
UniRef90_X5MLK1	K	A	R	V	
UniRef90_D0MKG4	M	F	K	A	L
UniRef90_U2W931	K	A	T	V	
UniRef90_M1Z6B6	Y	L	A	R	V
UniRef90_UPI0002F3D558	M	A	R	V	V
UniRef90_A6CQU4	M	Y	K	V	
UniRef90_UPI00035F9F37	M	I	K	A	T
UniRef90_UPI000304513C	M	F	K	V	
UniRef90_D3NS94	K	A	K	V	
UniRef90_K9XD35	K	Y	Q	A	H
UniRef90_B4S8V7	M	A	Y	K	A
UniRef90_B3U410	K	A	K	H	V
UniRef90_D6XYR9	M	N	A	N	T
UniRef90_A6FS54	K	A	R	V	
UniRef90_K9YLC4	K	Y	S	R	V
UniRef90_E3T6M4	R	A	R	V	
UniRef90_Q0AQW3	M	F	E	V	
UniRef90_K4LSM2	K	A	R	V	
UniRef90_U4UU80	K	A	R	V	
UniRef90_E6W193	A	R	V		
UniRef90_D5A416	T	F	Q	A	K
UniRef90_E0MK21	F	N	A	K	V
UniRef90_K6Q3M2	F	R	V	V	E
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UniRef90_L8N0Q7	M	K	Y	Q	A
UniRef90_UPI00046463BE	M	I	N	A	R
UniRef90_M1WZ88	K	Y	R	A	K
UniRef90_UPI00036F7341	K	A	T	V	
UniRef90_UPI000371BF01	M	Y	K	V	
UniRef90_C7QJA0	M	A	R	V	

QUERY UniRef90_K9PVW7 UniRef90_Q55842 UniRef90_UPI0003B4204F UniRef90_X1CA12 UniRef90_UPI0003484865 UniRef90_Q2W731 UniRef90_K8GTQ2 UniRef90_K9YG27 UniRef90_K9XU93 UniRef90_UPI00047796CE UniRef90_A0A21X3T7 UniRef90_D9RY29 UniRef90_UPI00034C193B UniRef90_B0C7S2 UniRef90_V5SEI9 UniRef90_E0XW78 UniRef90_T2JGD9 UniRef90_C0ZKC4 UniRef90_K9U809 UniRef90_F5SIZ0 UniRef90_UPI0003121F05 UniRef90_W9H6Z4 UniRef90_L0NET4 UniRef90_UPI000478DE3C UniRef90_K9ULL6 UniRef90_X1HPK4 UniRef90_E2CMD8 UniRef90_K9GQR4 UniRef90_Q31Q19 UniRef90_U5DG11 UniRef90_U9VTY2 UniRef90_J2UZV9 UniRef90_D6Y9J5 UniRef90_Q0G055 UniRef90_UPI00041E75C7 UniRef90_Q0FGG4 UniRef90_L8LUP0 UniRef90_A3UDW2 UniRef90_Q1YE2 UniRef90_S9R3A1 UniRef90_K9T719 UniRef90_I8ZH2 UniRef90_H8FPD1 UniRef90_K6D160 UniRef90_UPI000363BE2D UniRef90_F6B7W9 UniRef90_UPI000371A052 UniRef90_UPI00036BACCB UniRef90_B0J15 UniRef90_D8G7D5 UniRef90_E31899 UniRef90_U4WWY5 UniRef90_XORF71 UniRef90_K9UTR8 UniRef90_K9RCC1 UniRef90_X5QCB4 UniRef90_X4Z721 UniRef90_A8TMY0 UniRef90_Q2JP9 UniRef90_X5MLK1 UniRef90_D0MKG4 UniRef90_U2W931 UniRef90_M1Z6B6 UniRef90_UPI0002F3D558 UniRef90_A6CQU4 UniRef90_UPI00035F9F37 UniRef90_UPI000304513C UniRef90_D3NS94 UniRef90_K9XD35 UniRef90_B4S8V7 UniRef90_B3U410 UniRef90_D6XYR9 UniRef90_A6FS54 UniRef90_K9YLC4 UniRef90_E3T6M4 UniRef90_Q0AQW3 UniRef90_K4LSM2 UniRef90_U4UU80 UniRef90_E6W193 UniRef90_D5A416 UniRef90_E0MK21 UniRef90_K6Q3M2 UniRef90_G8PS09 UniRef90_UPI0004722408 UniRef90_UPI00047510FD UniRef90_L8N0Q7 UniRef90_UPI00046463BE UniRef90_M1WZ88 UniRef90_UPI00036F7341 UniRef90_UPI000371BF01 UniRef90_C7QJA0

	50	60	70	80
G K Y L V F R V N S S S Q Q E A T E L V K K L A D E M R L Y N P I V H K I E R				
G K Y I E L L N L E A A D E A D A K Q K Q V D Q M C D Q L L L T N P V I E N Y R F D				
G K Y I E L T L E A P D E A T A S Q Q V D T M C D Q L L L A N T V I E N Y C F E				
G K Y I Q M K L N T Q D K E K A E S D L K Q M C A K L L L A N P V I E D Y R Y E				
G K Y I E L L Q L S A P D Q A T A E Q Q L N V M C C D Q L L L A N P V I E N Y T F D				
G K Y I E L L D L A E T D K A K A K D V E Q M C C D Q L L L A N P V I E N Y S F E				
G K Y I E V T L T A E N S E D A K R Q V D D A C D Q L L L A N P V I E N Y R F D				
G K Y I E L T V T T E N E E L A R Q Q V D Q M C C D Q L L L A N P V I E N Y S F E				
G K Y I E L N L T A T D E E A Q A K V Q L D Q M C C D Q L L L A N P V I E N Y R F F E				
G K Y I E L T I S A D S E E S A D K Q I H A M C C D Q L L L A N T V I E N Y T F D				
G K V F D L E L A T A D R A K A E D V K A M C C D Q L L L A N P V I E N Y D F E				
G K Y I T L D L A A A A D E T A A R E Q V L A V M C C D Q L L L A N P V I E N Y T F D				
G K Y I E L L V D V A G M S A D D E D A S Q Q V D R M C C D Q L L L A N T V I E N Y T Y E				
G K Y F E L D V D V A D G S A D E A R S M V A E V A E K L L L A N P V I E S Y R V E				
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G K Y M E L E L N T P D R A Q A E E R V R V E M C C E K L L L A N P T E N Y R F D				
G K Y I E L L Q L T A V D E K T A V L N R M C C D Q L L L A N P V I E D Y E Y R				
G K T M E L W L N T A D R V E A G K R V D A M C C R Q L L L A N P V I E N Y R F E				
G K F I E L L T A P D D N A A R Q Q D L D K M C C D S M L L A N P V I E N Y R F E				
G K F I E L L A E T D Q D A A R A A V E A M C C Q K L L L A N T V I E D Y R I D				
G K V F D I E L D D T D R A A A A E A S L R D M C C E R L L L A N T V I E N Y T I A				
G K Y M E L I N S D D Q K A V E E R V K D M C C E K L L L A N T V I E D F R F D				
G K Y I E V N L N A A D E T Q A R S Q L D M C C D Q L L L A N P V I E N Y R V E				
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G K V E L L D L N Q N D P E K A K S Q V E N M C C E K L L L A N T V I E N Y S V E				
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G R V I E L L A A Q D R A A A E E S S I R A M C C E R L L L A N T V I E S Y R I E				
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G K Y L E L T I D G P A E S D H R I Q E M C C H K L L L S N P V I E D Y R Y E				
G K L I E L D I D E T D P A K A R E S V E T M C R R S L L L A N P V I E N Y T I D				
G K Y L E L T Q N T A D V E Q T V K E M C C D K L L L A N P V I E D Y R Y E				
G K L I E V E L H T A D A E A A H D Q V K A M C C D K L L L A N P V I E N Y S I E				
G R Y M V V D I E A A D R S A A E E Q V K D M C C D K L L L V N P V I E D Y T F E				
G K V L D L D I D E T D P E A A R A Q V D A M C C R Q L L L A N T V I E T W R V E				
G K F I E L L S E T D R A K A E A S V D E M C C R K L L L A N T V I E N Y S I E				
G K Y I E L T V T A A D E T S A R A Q L A Q M C C D Q L L L A N P V I E N Y R F D				
G K Y I E M T L S C V D E A A A R L E D R I C C D Q L L L A N P V I E N Y T F D				
G K L I E V E L L K A T D E T S A K T E L D A M C C R Q L L L A N P V I E N Y R V E				
G K Y I E L L D T I D R Q A A E E Q V K E M C C E K L L L A N T V I E E Y R Y E				
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G K Y I E L L T I T A D S E N S A R Q D L D K I C C D Q M L L L A N P V I E N Y R F F E				
G K Y I E L L E L E A T D D A E A R R Q I D R I C C D Q M L L L A N T V I E V Y K F E				
G K Y I E L L D T N D R E E A G G K R L K A M C C E K L L L A N T V I E D Y R Y E				
G K V E I D L A E S D P A R A E T T V K S M C C E K L L L A N T V I E N Y A I E				
G K H Q L E A P D A E T A H R Q V D E L C H Q L L L A N P V I E T Y Q I Q E				
G K V I E L D L E E T D A A K A E A A V K D M C C E Q L L L A N T V I E N Y T I E				
G K V I D L W I E A D T A D E A R I A R E A A E K K L M E D F D V T Q E				
G K L I E L D I D A D T P E A A E K Q I T E M C C E K L L L A N T V I E N Y D I E				
G K Y I E L L T I A V S L A E A E E K V S K M A E K V L S N P V I E N F R Y E				
G K R F E L E V A E P V D D A A L A R V R E M A D A L L L A N T V I E D Y T V E				
G K Y M E L I T I S P S D K S V E E A V D E M C C S K L L L A N P V I E D Y R Y E				
G K Y M E I Q L D T D N R D E A E E R L K V M C C E K L L L A N T V V E N Y R F F E				
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G K V I E L L Q L K S T D E A T A R K K V E A M C C G K L L L A N T V I E D Y A I E				
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G K R F E L E L A D A D P A T L R A T A E Q M A E K K L L L A N T V I E D F K V T				

QUERY	A	N	R	I	E
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UniRef90_Q55842	I	T	A	L	E
UniRef90_UP10003B4204F	L	A			
UniRef90_X1CA12	I	E	E		
UniRef90_UP10003484865	L	E	T	V	D
UniRef90_Q2W731	L				
UniRef90_K8GTQ2	L	K	E		
UniRef90_K9YG27	L	K	Q		
UniRef90_K9XU93	L	T	Q		
UniRef90_UP100047796CE	L	V	P		
UniRef90_A0A021X3T7	L	A			
UniRef90_D9RY29	I	A	E		
UniRef90_UP100034C193B	L	T	P	V	
UniRef90_B0C7S2	L				
UniRef90_V5SEI9	L	A	P		
UniRef90_E0XW78	V	E			
UniRef90_T2JGD9	I	T			
UniRef90_C0ZKC4	I	V	E		
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UniRef90_UP10003121F05	L	I	E	V	E
UniRef90_W9H6Z4					
UniRef90_L0NET4	L				
UniRef90_UP1000478DE3C	L	T	K	Q	E
UniRef90_K9ULL6	L	E			
UniRef90_X1HPK4	I	E	E	I	
UniRef90_E2CMD8	I	E			
UniRef90_K9GQR4	I	E			
UniRef90_Q31Q19	L	E	A	V	
UniRef90_U5DG11	L	D	A	I	
UniRef90_U9VTY2	L				
UniRef90_J2UZV9	L				
UniRef90_D6Y9J5	V	E			
UniRef90_Q0G055	I				
UniRef90_UP100041E75C7	L	T	E	V	
UniRef90_Q0FGG4	I				
UniRef90_L8LUP0	L	T	P		
UniRef90_A3UDW2	L	S			
UniRef90_Q1YEA2	I	A			
UniRef90_S9R3A1	I	A			
UniRef90_K9T719	L	T	P	I	
UniRef90_I8ZH2	V	E	V		
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UniRef90_UP1000363BE2D	L	S			
UniRef90_F6B7W9	L	V	E	V	
UniRef90_UP1000371A052	I				
UniRef90_UP100036BACCB	L	E			
UniRef90_B0JI15	L				
UniRef90_D8G7D5	L	T	E		
UniRef90_E3I899	L				
UniRef90_U4WWY5	L	V	E		
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UniRef90_K9UTR8	L	I	E	V	E
UniRef90_K9RCC1	L	T	E	V	E
UniRef90_U5QCB4	I	A	A	L	E
UniRef90_X4Z721	L	E			
UniRef90_A8TMY0	I	E			
UniRef90_Q2JPJ9	V	A	A	I	
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UniRef90_D0MKG4	V	T	P	V	E
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UniRef90_M1Z6B6	L	E	E		
UniRef90_UP10002F3D558	V	E	E		
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UniRef90_K9XD35	L	V	E	R	E
UniRef90_B4S8V7	L	E	K	I	
UniRef90_B3U4I0	L				
UniRef90_D6XYR9	I	E	E	V	
UniRef90_A6FS54	I	A			
UniRef90_K9YLC4	L	N	P	V	E
UniRef90_E3T6M4	V	A	D	V	
UniRef90_Q0AQW3	L	A			
UniRef90_K4LSM2	L	R	E	V	
UniRef90_U4UU80	L	S			
UniRef90_E6W193	V	T	E		
UniRef90_D5A416	L	T	P		
UniRef90_E0MK21					
UniRef90_K6Q3M2	V	E			
UniRef90_G8PS09	L				
UniRef90_UP10004722408	V	S	P		
UniRef90_UP100047510FD	L	T	P	I	
UniRef90_L8N0Q7	L	T	Q		
UniRef90_UP100046463BE	I	I	E	V	E
UniRef90_M1WZ88	L	E			
UniRef90_UP100036F7341	I	E	E		
UniRef90_UP1000371BF01	V				
UniRef90_C7QJA0					

	1	10	20	30	40
UniRef90_A7HWB3	K A R I	K V T L	K N G V L	D P Q G K A I	E G A L
UniRef90_D5MKL2	M L T A K I	Y V T L	K P D V L	D A Q G D T I	V R S A L E
UniRef90_UPI00034CCE3D	K Y H A R I	Y V T L	R S S V L	D P A G T A V	E S G L K Q M G Y T E
UniRef90_Q113W7	K Y V I Y	Y V T L	P S V L	D P A G T A V	K S G L A Q M G H K N
UniRef90_UPI0004052947	K A I I	H V G L	K P G V L	D P Q G R A I S R S L L	N D L G F D E V S A A R Q
UniRef90_I4EF21	R W C A E V	F V S L	K P V N	D P Q G L A V R E G L H M L	G Y D E V N A V R A
UniRef90_K9TNN0	K Y Q A H I	Y V T L	R P S V L	D P Q G A V E S G L Q K M G D R N	V E G V R I
UniRef90_A0A024K838	K A R V	T V T L	K S G V L	D P Q G Q A I V G S L N S L	G F E G I N G G V R Q
UniRef90_C6RF49	K A I I	N V P L	N G V L	D P Q G K A V E H A L G S L L	G F N N V S G V R Q
UniRef90_C8S4T0	K A R V	H V M L	K D G V L	D P Q G E A V R H A L G T L L	G F A G V Q G V R Q
UniRef90_UPI00036FAFB1	M I K A R I	V V T L	K N G V L	D P Q G K A I E G A L G T L L	G F G G V G A V R Q
UniRef90_Q2RGU3	M L L A K I	V T L	P G V L	D P Q G E A V G K G L K A M G	Y G G V V A A V R V
UniRef90_D5H7S2	M Y K A T I	S I T L	R P S I L	D P E G K T I Q H A L T N L	L G Y D A V D Q V R M
UniRef90_UPI00041BAC42	K W R A T V	R V W L	K P S V F	D P Q G H A V L Q A L T S L L	G H D G V E N V R I
UniRef90_D5WVF9	M F R A R V	Y V T L	K A S V L	D P Q G G A V E R A L H A L L	G Y E E V R G V R I
UniRef90_X1VIX3	Q V K I	F I T L	K N G V V	D P Q G G T I K G A L E S S L	G Y Q G I A N I R L
UniRef90_UPI000360ADA4	M I L A K I	H V T L	K P S V L	D P Q G S A V T K S S L H A L L	G Y D E V E D V R I
UniRef90_F5L5B1	M Y R F K I	F V T L	K K G V L	D P Q G Q A V K K S S L Q A L L	G Y Q E V Q E V K V
UniRef90_UPI0002EE0CF5	K A R V	T V T L	K N S V L	D P Q G E A I A G A L K S S L L	A F Q G I Q S I V R Q
UniRef90_X0RLX1	Y L A K V	Y V S L	P T V N	D P Q G L T I K G G L H S S L	G F A E V D S S V R A
UniRef90_UPI00013BA293	K A R I	K I M L	K N G V L	D P Q G E A I K H A L N N I I	G F E N V T G V R Q
UniRef90_B4W0W7	Y K A R I	Y V T L	R P S V L	D P A G V A V E S G I G Q L L	G Q A N V K Q V R I
UniRef90_G6CDE2	M F N V R V	Q V T Y	K D S V L	D P Q G Q A V Q K A I E R R L L	G F D G V S G M R I V
UniRef90_D3L178	Y R A N I	L V Y L	K E G V L	D T Q G K A V L S S S L H S L	G Y D E V K N V R I
UniRef90_W4RRU4	M Y K V K V	Y V T L	R E S V L	D P Q G T A V K N A L A T H	G Y E G I Q E V R I
UniRef90_Q38XW9	M Y N V Q V	Y V T Y	K D S V L	D P Q G Q A V Q G A I Q R L L	G F E G I S Q M R I
UniRef90_UPI0003B72D50	M F K A T I	Y V T L	K D S V L	D P Q G V A V K G S S L H T L L	G F E G V R D V R I
UniRef90_A8F8I5	M Y K A K I	Q I T F	K F N G V L	D P Q G S A V K Q K A L H H L	G F V S V K D V R I
UniRef90_Q9KF59	M Y K V K V	Y V T L	K S V L	D P Q G S A V Q K S S L H A L L	S F T E V N E V R I
UniRef90_D3T7D9	M L I A K V	Y I T L	K K G I L	D P Q G K A V K G A L H S L	G Y E E V K E V R I
UniRef90_UPI0004699A49	M Y K V T V	F V T L	R E S V L	D P Q G A A V K D S L K A L L	N F D E V R D V R I
UniRef90_A6UWX1	M Y N A T I	I I K L	K K G V L	D P E G T A V L R A L N H L	G Y D G V K D A K T
UniRef90_UPI0002F685BD	M I K V N I	H I T L	K G V L	D P Q G K A I E G S S L N T L	G Y Q G V E D V R I
UniRef90_W4QCU5	M Y K V K V	Y V T L	R E S V L	D P Q G G A V K K R A L H T K	G Y K E V E E V R I
UniRef90_B8HQD6	K Y A A K I	Y V T L	R P S V L	D P A G T A V Q S G L S H L	G Y D Q V E Q V R I
UniRef90_UPI0003702480	M K F K A G I	Y I T L	R P S V L	D P Q G K A V K G A L H S L	G Y E E V K E V R I
UniRef90_UPI00036C1CBA	K A R I	V V T L	K N G V L	D P Q G K A I E G A L K S S L L	G V E G V A S V R Q
UniRef90_B4RHG9	K A K V	H V F L	K P G V L	D V Q G K A I V E Q A L H G L L	G W G G V E H V R V
UniRef90_A4GJM8	A K I H I	T L K K D V L	D P Q G S V I A N S L K S L L	G F D N V N D V R Q	
UniRef90_D1C3A9	R W L A Q V	Y V S L	K P A V N	D P Q G L A V R D G L H M L	G Y D E V D G V R V
UniRef90_Q0BR17	K A V V	T V T L	K N G V L	D P Q G K A V G H A L Q T L L	G F S S G V G E V R I
UniRef90_UPI00036EE855	Y K A R I	Y V T L	R P S V L	D P A G V A V K S G L E Q L L	G Y T T V E Q V R I
UniRef90_B8H034	K A T V	H V F L	K P G V L	D V Q G K A V E N A L H G L L	G W P S V K D A R V
UniRef90_UPI00037916B6	M Y K A K V	H V T L	R P S I L	D P K G K A A H H A L H N L	G L N D V Q Q V R I
UniRef90_UPI00047E950D	M Y E V N V	F V T L	R E S A V L	D P Q G S A V N H S L H Q L	G Y Q E V E D V R I
UniRef90_Q0FHU9	K A R V	H V M L	K D G V L	D P Q G E A V K H A L H G M G	F D G V G G G V R Q
UniRef90_UPI00037E4770	M I K A R V	I V T L	K N G V L	D P Q G K A I E G A L S A L S	S F S G V D D Q V R Q
UniRef90_T1WAG1	K L R I	I V T L	K N G V L	D P Q G K A I Q H A L S G L L	G F D G V D D V R Q
UniRef90_G4RE66	K A R V	I V T L	K N G V L	D P Q G K A I E G A L S G L L	G F A G V E S S V R Q
UniRef90_UPI000400230D	M Y K V K V	Y V T L	R E S V L	D P Q G S A V V K G A L H S L	K F N E V E D V R I
UniRef90_B3QMT0	M A F K A N I	K V T L	R P S I L	D V Q G K A A Q H A L E N L	G Y S S V S S V R I
UniRef90_UPI0003D31B1E	K I R V	F V S L	K D G V L	D P Q G K A V G H A L E S L L	G F K G I G E D V R I
UniRef90_B7JM83	M Y K V K V	Y V T L	R E S V L	D P Q G T A V K G A L H S L	S F T E V Q D V R I
UniRef90_H6SQG1	K A K V	H V T L	K S G V L	D P Q G R A I G A A L A Q L	G F T G I G E V R Q
UniRef90_D7A186	K A R V	L V T L	K S A V L	D P Q G K A I E G A L R S L L	G V P G V A S V R Q
UniRef90_K2K996	K A K V	H I T L	K N G V L	D P Q G K A I H H A L E V L	G F T G L G D V R Q
UniRef90_J9HRU8	T F D V E V	R V W L	K P S V F	D P Q G H A V E Q A L H T L L	G F D G A Q N V R I
UniRef90_N4WBX9	M K L V K V	H V T L	K E G V L	D P Q G K A I I Q G S S L S R L	G Y D H V Q E V K D V R I
UniRef90_I4VDB2	M Y K V K I	F V S L	K E S V L	D P Q G S A V Q H A L H S M S	G Y Q E V K D V R I
UniRef90_D8JQE5	K A R I	K I T L	K N G V L	D P Q G K A I E G A V K G L L	G L S S G V S D V R Q
UniRef90_UPI0003B700C9	M A K I V V	D V M P K P E I L	D P Q G K A V V Q D T L Q R L L	G H S S G L T V R Q	
UniRef90_W2E9Y2	K A T V	Y V T I	Q T S V L	D P Q G N A V V Q D T L S M G F G	G E V A K V R V
UniRef90_I2K7P8	T A V V	N V F L	K E G V L	D P Q G K A A H H A L D S L	G F A G V N D V R I
UniRef90_H2CA95	M F E A R I	Y V T L	K E S V L	D P Q G Q A V L G S S L H H M G	H K N V Q D V R I
UniRef90_UPI000472F247	K V R V	T V M L	K D G V L	D P Q G K A I I G H A L H T L	G F G N A Q D V R I
UniRef90_Q8DGX7	F Q A Q V	F V T L	R P S V L	D P A G V A V V Q A G L H H L	G Y T N V Q S V R I
UniRef90_UPI00047AA456	K A E V	I V R L	K E G V L	D P Q G K A I H H A L E S L L	G Y Q G V E S V K V
UniRef90_G9QL49	M Y K V K V	F V T L	R E S V L	D P Q G G A V V Q R S L L H S L L	G F G Q V E D D V R I
UniRef90_M1Z307	A K I H I	T L K Q G V L	D P Q G K A V V H H A L N D L	G Y N E V R D V H L	
UniRef90_N0AUK7	M V K V K V	F V T L	R E S V L	D P Q G K A V V N H A L H S L	G Y E E I K D V R I
UniRef90_A9BAQ1	F Q A K V	F V S L	R P S V L	D P A G E A A K S A A T R T L	G L Q G I T S I R I
UniRef90_S9QCM8	K A R V	H I M L	K N G V L	D P Q G E A I R H A L G T L L	G F S G V N G V R Q
UniRef90_F8EM45	M K F I A E I	N V M P Q K E I L	D P Q G K A V V H H A L H N L	G L Q D D V S D V R I	
UniRef90_M2SD04	K A R I	Y I T L	K T G V L	D P Q G K A V V H H A L G A L	G F E E A Q D V R Q
UniRef90_UPI0003C7E9AB	M P R V V V	D V M P K P E I L	D P Q G K A V V H G A L P R L L	G F S G V S D V R Q	
UniRef90_B5Y715	M A Q A R V	Y V T L	K K G I L	D P Q G E A V V K N A L H T L	G Y G N I D E V R V
UniRef90_UPI00036303BA	M F L G K V	Y V T L	K P T V N	D P Q G K T V L A G L R N L	G F V G I H D I R V
UniRef90_UPI0002F5EAFD	K A R V	T V T L	K Q G V L	D P Q G K A I E G G L K S L L	G L E G I G T V R Q
UniRef90_UPI000401D986	K V R V	T I T L	K A G V L	D P Q G K A I E G A L R G L L	G F A G I D G A R Q
UniRef90_G2LJA1	K A T V	H V T L	K P G V L	D P Q G Q T I Q R A S E S S L	G F T R I R D V R Q
UniRef90_F7YWV7	M Y K A K L	H I K F K E G V L	D P Q G N A V V K N A L K N L	G F V N V S V R I	
UniRef90_UPI00047A8084	A K I	K V T L	K K G I S	D P Q G Q A I K G S L Q T L G	G F T T V E D V R V
UniRef90_UPI0003627497	R A R V	T V T L	K Q G V L	D P Q G K A I E G A L K G L G	G F G G V N A A R Q
UniRef90_B3QTD4	M A F N A K I	R V T L	R K S I L	D V Q G K A V V H Q A L G N L	G Y N D I D S V R I
UniRef90_UPI000477C45D	K A R V	T V M L	K D G V L	D P Q G E A V V R H A L G A L	G F E G V T G V R Q
UniRef90_G5ZX08	V K I	N I S L	K Q G V L	D P Q G R A I E N A L G G L	G Y S E A S S N V R I
UniRef90_Q2CDD5	K A R V	Y V M L	K N G V L	D P Q G E A V V H H A L G L G	G F D G V E S V R Q
UniRef90_A0A024QHH0	M K K V Y V	H I T L	K Q G V L	D P Q G K A I Q A S L H S L	G F Q E V E D A R V
UniRef90_Q218N9	M V K A R V	T V T L	K T G I L	D P Q G K A I E G A L K S L L	G V A G I A S V R Q
UniRef90_UPI00047A639B	M A R V V V	D V M L	K P E I L	D P Q G K A V V Q G G L G R L	G F E G V A S V R Q
UniRef90_UPI000255BD4A	M K K V K V	F I T L	K E S V L	D P Q G Q G A V V M Q S L H N M D Y K N V	G D V R I
UniRef90_D9QUJ6	M D W K V E I	K I L	K E S I L	D P Q G Q A V V E G G L E K L D Y N N V	S E V Q V

50 60 70 80

UniRef90_A7HWB3	G K Y I E V E L A E T D R K K A E A A I D E M C K K L	L A N T V I E N Y A L E
UniRef90_D5MKL2	G K F M V L T L N S P T K E Q A A A Q V D E M C K R L	L L A N P V I E N Y R F E
UniRef90_UPI00034CCE3D	G K Y I E L K L T A A N E D E A K Q H L D E M C D R L	L L A N T V I E N Y C F E
UniRef90_Q113W7	G K Y I E L K L N A T D E E T A R E E Q V E L I C D Q L	L L A N T V I E N Y R F E
UniRef90_UPI0004052947	G K V I E L D L T G D D S A A A K T R V V T E M C E K L	L L A N T V I E S Y R V E
UniRef90_I4EF21	G K Y L Q L W L D A P D Q R S A E E R V R Q M C E K L	L L A N P V I E Q Y H F E
UniRef90_K9TNN0	G K Y V E L T I T S E S P E A A T K Q L D R I C D Q L	L L A N P V I E N Y R F E
UniRef90_A0A024K838	G K V F D V N L A E S D P D K A K E L N D M C E K L	L L A N T V I E N Y A V E
UniRef90_C6RF49	G K Q I V L D I D A A S K D E A R K E L T K M C E E K L	L L A N T V I E D Y E I N E
UniRef90_C8S4T0	G K V I E L D L V G S D K A A A E A E V R A M C E E K L	L L A N T V I E K Y S V E
UniRef90_UPI00036FAFB1	G K V F D V E I I D G V D T G K A E A D L K A M C E Q L	L L A N P V I E E Y R Y S Q
UniRef90_Q2RGU3	G K Y L E I M L N L D D R E E A G R L V E E C K L	L L A N P V I E E Y R Y S Q
UniRef90_D5H7S2	G K Q A E V W I D A A S E A E A R E V A T E A C E K L	L L A N P V I E E Y R Y S Q
UniRef90_UPI00041BAC42	G K S M E L T V T A K D K A E A E A K V R R A C C D E L L	L L A N P V I E M E T Y A Y Q
UniRef90_D5WVF9	G K A I D V T L E A P D E K S A R E R V E A M C R E L L	L L A N P V I M E T F Q
UniRef90_X1VIX3	G K Y I Q M E L N S K S R E E A G K D I E M C D K L	L L A N P V I E N Y R Y E
UniRef90_UPI000360ADA4	G K F M E V K V N T N D R K T A E E R I T E M C E K L	L L V N T V I E S Y T F E
UniRef90_F5L5B1	G K Y M E V D L E A E S V D V A R E R R V K H M C D K L	L L A N P V I E E Y R I
UniRef90_UPI0002EE0CF5	G K V F D I E L D D Q P A E A A E Q K Q L H Q M C Q E L	L L A N T V I E N Y T
UniRef90_X0RLX1	G K Y M E I R F Q A N D R A H A E K Q V A E M C R L	L L A N P V I E E F R F E
UniRef90_UPI00013BA293	G K V I E L E D G D S D K G Q V R S E L D K M C N K L	L L A N T V I E N F E
UniRef90_B4W0W7	G K Y I E L M L T A A D E N Q A S E Q L D R I C D Q L	L L A N P V I E N Y Q F D
UniRef90_G6CDE2	G K S F E M Q V A G D D Q A A V E K K V V A Q I C D Q L	L L A N P V I E N M E Q Y H Y D
UniRef90_D3L178	G K Y I K I T L T S P S Q E D A A S R V K E M C C E D L	L V N D L I E E Y S F E
UniRef90_W4RRU4	G K Y M E L T L D E S V K D V E A A V K E M C C E D L	L L A N P V I E D Y R Y E
UniRef90_Q38XW9	G K F F E M Q V T G T D Q A T V I E K V E A I C D R L L	L L A N P V I E Q Y R Y D
UniRef90_UPI0003B72D50	G K R V E V L L E C S R A A E A E K Q I K E L S E K V	L L S N P V I E N F T F E
UniRef90_A8F815	G R L V E I L I S S Q T P L D A E N Q I K Q M C E Q L	L L A N P V I E E Y R V S
UniRef90_Q9KF59	G K Y M E L T L E K G E G D L D E R I H D M C Q K L	L L A N T V I E D Y R Y E
UniRef90_D3T7D9	G K Y I E L T F E D G D L S L L K D K V D E M C K R I I	L L T N P I I E D Y T F E D
UniRef90_UPI0004699A49	G K Y M E L L E I D A A D E A M A K E R V T E M C E K L	L L A N T V I E D Y K F D
UniRef90_A6UWX1	F K C V E L T L D G D N E E E V Y N K V D E M C K K L	L L A N P V I H D Y E
UniRef90_UPI0002F685BD	G K L I E M T F S D S S E Q V T E Q V E Q M C S K L	L L A N P V I E N Y S Y T
UniRef90_W4QCU5	G K Y M E L T L T D T S D V E K K R I I D E M C S K L	L L A N T V I E D Y R Y E
UniRef90_B8HQD6	G K Y I E L L T L V A E N E Q Q A Q Q Q V D R M C C D Q L	L L A N P V I E V Y R F E E
UniRef90_UPI0003702480	G K Y I E I A L D A T D E S T A N E Q L H R A C C D E L L	L L T N P V I E N Y Q I D
UniRef90_UPI00036C1CBA	G K V F D V E M A G A D P A S A R A Q L H R A C C D E L L	L L A N T V I E N Y Q I D
UniRef90_B4RHG9	G K T I E F D L P G A D R A A A E A E V K A M C E K L	L L A N T V I E S Y R V E
UniRef90_A4GJM8	G K F I E L E I N S K S K E E A E K Q C N D M C E K L	L L A N L V I E D Y S V E
UniRef90_D1C3A9	G K Y L T L L S A P D Q A T A E A R V A A M C E Q L	L L A N P V I M E R Y E F Q
UniRef90_Q0BR17	G R V I E L E L A E T D P E R A R Q T A E D M A R K V	L L A N T V I E S F R V E
UniRef90_UPI00036EE855	G K Y I E V V S L S A E N E A S A K E Q L E Q M C D Q V	L L A N P V I E N F C F E
UniRef90_B8H034	G R V I E F D L D A T D A E A A K A E V K T M C E K L	L L A N T V I E S Y R I
UniRef90_UPI00037916B6	G K F I E L D V D A D S K E K A T E I V E A A C T K K L	L L A N E V M E D Y E I
UniRef90_UPI00047E950D	G K V L T L T V N G E K E T V E A R V K E M C D K L	L L A N P V I E D Y R F E
UniRef90_Q0FHU9	G K V I E L D L E D G T G E D A V R E M C E K L	L L A N T V I E S Y S I
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UniRef90_A3W9M7	M	K	V	R	V
UniRef90UPI0003A26E84	M	M	R	V	V
UniRef90UPI000371A1CA	M	M	K	V	V
UniRef90_F2I1L9	M	K	F	E	V
UniRef90_W9C1S4	M	K	A	R	H
UniRef90_D0L7Z9	M	K	A	I	V
UniRef90_J9YX64	M	K	I	S	V
UniRef90_R7XU09	M	V	D	M	P
UniRef90_D2EKX5	M	M	K	A	V
UniRef90_D7CKZ8	M	M	K	G	K
UniRef90UPI0003F72C47	M	K	F	V	A
UniRef90_A0RPI3	M	Y	K	A	V
UniRef90_B9KG52	M	M	K	G	K
UniRef90_Q04EU1	M	M	K	G	K
UniRef90UPI0003F79075	M	M	F	L	A
UniRef90_D5V5P1	M	Y	K	V	T
UniRef90_4YTH1	M	M	K	V	T
UniRef90UPI000478A2CF	M	M	P	R	V
UniRef90UPI00038144E8	M	K	I	T	V

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UniRef90_E9UX34	G K R F E L E I P E V T D E A L A Q I E K □ A E T F L L A N T V I E N Y V V R
UniRef90_F8AM89	F K C I E L M V E G D D E H K V M E R V E E M C K K L L A N T V I E H D Y D I K
UniRef90_C6XNQ4	G K I I E L E L E D G E P S H A E A R V K D M C E K R L L A N T V I E E K Y E I E
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UniRef90_F0SUT1	G K F M E V T L N E E S K E K A T Q V M D E I C R L L S N P V I E E D Y T F F E
UniRef90_U3AKL3	G K M I E F D L A D D V A D P E A E V K R M C E T L L A N T V I E E S Y R V E
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UniRef90_UP10003B385A8	G K Y I T L E I E A N S K E E V E Q E I R E M A K F L L V N P V I E E Y T F F E
UniRef90_UP100046E79E9	G K Y M E L T V E K S D R N I D D T V K E I C A K L L A N T V I E E D Y R Y E
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UniRef90_D3Q5G3	G K R I E L E F S D D D E A T V L E R A N E A A D K L L A N P V I E E T Y T □ R
UniRef90_K7WCT6	G K Y I E L T I V I A P D E M K A R R D L N Q I C D Q M L L S N P V I E E N Y R F D
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UniRef90_V9TUK1	G K I I E I D L D K T N A I K A V S D T E S M C E R L L L A N T I I E D Y S I V S S E
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UniRef90_D2EKX5	G K Y F E I Q V V D G G Q K I N E Q V Q K M C D E L L L A N V N M E T Y R F E
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UniRef90_UP10003F79075	G K N L S L T V Q A P D E A A A R A K V D V M C Q T V L L C N L V I E E T Y S F T
UniRef90_D5V5P1	G K Q I I L E L N S S S K E E A Q A E V T K M C E K L L L A N T V I E E D Y N I T
UniRef90_4YTH1	G K V F D I E L G T T D K A K A E A A L K A C E K L L L A N T V I E E N Y R V E
UniRef90_UP1000478A2CF	G K R F E L E N Y D G D A S P E M L E R A R E A A G T L L L S N P V I E E D V
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UniRef90_F7Z6R9	I E E
UniRef90_I6ZVB0	L E Q V K
UniRef90_E9UX34	V E E
UniRef90_F8AM89	I E K M
UniRef90_C6XNQ4	L A
UniRef90_T0BA95	L K E V
UniRef90_F0SUT1	L E
UniRef90_U3AKL3	V A
UniRef90_B0UJD9	I A R
UniRef90_H0UM90	Y E E
UniRef90_Q7V833	L Q P I
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UniRef90_UPI0003B385A8	I E E V
UniRef90_UPI00046E79E9	L
UniRef90_E0UPE7	V E
UniRef90_UPI0002629304	V
UniRef90_D9WVQ4	V
UniRef90_A1BH00	L E
UniRef90_F0RP49	V E E
UniRef90_X1DU89	I I E
UniRef90_H3SJL0	L E
UniRef90_I3TMV8	I A
UniRef90_E8UBG6	L E E
UniRef90_UPI0002DE4E38	T E E V
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UniRef90_M5JBR2	L E Q I
UniRef90_D3Q5G3	V E
UniRef90_K7WCT6	L I E V E
UniRef90_J0QSD8	I
UniRef90_K1YG24	I
UniRef90_Q3XZX5	I K K M E
UniRef90_D1CG73	V S K G E
UniRef90_G7V594	V D D I
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UniRef90_C8PDZ0	I
UniRef90_A5FVI5	I
UniRef90_E0TGF8	L I P D
UniRef90_C5ZV35	I
UniRef90_S0EW42	I E E V
UniRef90_F8B1X4	V E P
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UniRef90_A0LWN8	R S E
UniRef90_J1L0N8	V
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UniRef90_UPI000287DB4F	I V E D
UniRef90_B9XQX4	L E
UniRef90_K9RPM8	L V E
UniRef90_UPI000372BE6F	V
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UniRef90_D5V5P1	I T E
UniRef90_I4YTH1	L T
UniRef90_UPI000478A2CF	I E
UniRef90_UPI00038144E8	I E

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UniRef90_S0JP91	G K Y F E I K V A K S D R P V E E A I E E I C D K K L	L L A N V N M E T Y R Y E
UniRef90_F3ZZJ2	G K H I E V K I D G I S R K E A E K Q V E L L C Q K K L	L L A N P V M E N F S F E
UniRef90_B6AUW3	G K V I E L E L A D G T S E A Q V N K M C E K K L	L L A N T V I E S Y T V E
UniRef90_UPI0003B5C645	G K I I E L E L A D G T S R E T V E A M A R Q Q L	L L A N T V I E N F R I V E
UniRef90_L8DLS8	G K R F E L E V D G T V D D E A R G Q V E R I A R E V	L L A N T V I E D W T V
UniRef90_UPI00047CB625	G K Y F V L S L N G L G A E E A R G Q V E R I A R E V	L L T N P V I E E F T Y R
UniRef90_W9BD50	G K S I E L Q V E E G P D L E E R V K E M C D K L	L L A N P V I E E Y S F V
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UniRef90_UPI00041CBDBD	G K V I E V E I I A A A D A E Q A K A R L D E M C R K K L	L L A N P V I E T E S Y T I D
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UniRef90_W6HZY9	G K R F E L E V D D T V D D T T L A E I L A E S L	L L A N T V I E D W T I
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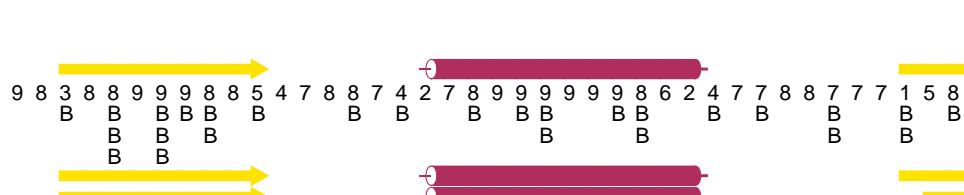
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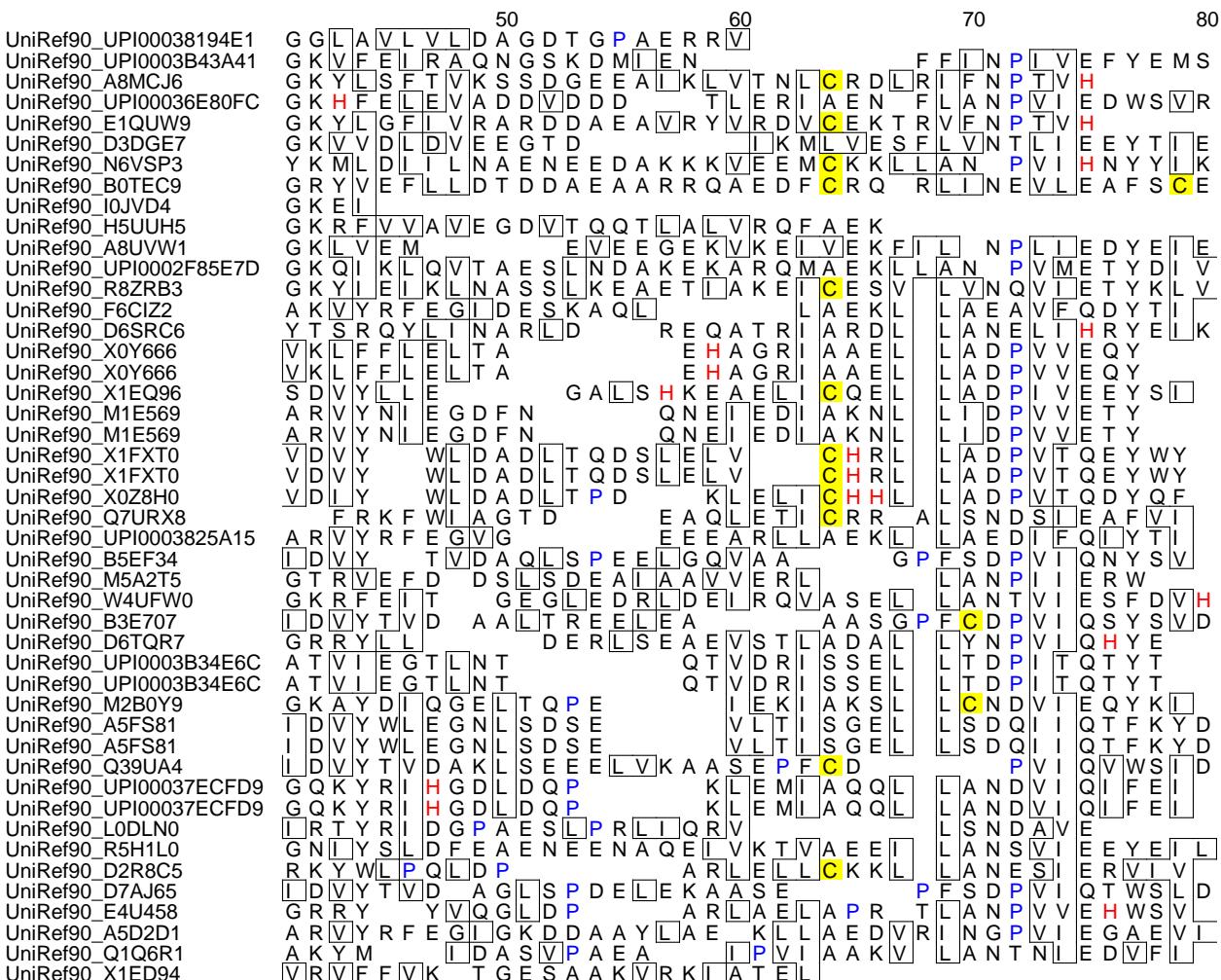
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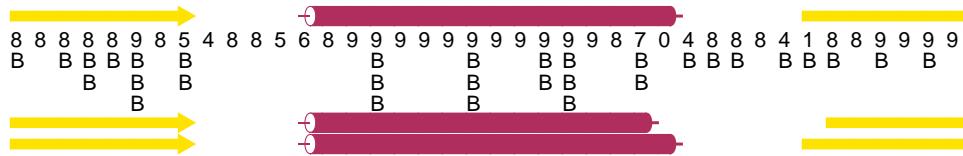
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