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

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

E Y [] F A [] I M T [] L I L
 R G E Y A F A L L T [] L V L

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Q G E Y [] F A [] I L T [] V V L

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

E Y A F A L L N L V I

S G E W [] F A [] L L D [] L V V

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

QUERY	90	100	110	120
UniRef90_UP1000467989E	A F T N Y S S T N Q L T F E R A Q E	V L L D R S W Q A G K T Y N F G	L Y P A G D	
UniRef90_R9VTK9	A F T N Y S S T N Q L T Q E R A Q Q V	V L L D R Q Y Q A G K S Y S F G	L Y P S G N D	
UniRef90_G9YB30	A F T N Y S S T N Q L T Q E R A Q Q V	V L L D R S Y Q A G K A Y N F G	L Y P A G D	
UniRef90_D3V678	A F T N Y S S T N Q L T F E R A Q T	V L M Q R Q F T T G K T Y G F G	L Y P E G N	
UniRef90_V3TXA3	A F T N Y S S T N Q L T F E R A Q S	V L M M D R Q F Q A E K T Y P F G	L Y P A G D D	
UniRef90_Q7N984	A F T N Y S S [] N Q L T F E R A Q S	V L M M S R Q Y Q S G Q A L T F K	L Y P K S D	
UniRef90_A6F8J6	A F T N Y S A K N Q L S F E R A Q S	V L M D S T Y Q S G D S Y K F D	L Y R S E N D	
UniRef90_E8XYH4	A F T N Y S S T N Q L T F E R A Q S	V L M M G R E F Q G G K I V L N F A	L F Y P A G D E	
UniRef90_H5V767	A F T N Y S S T N Q L T F E R A Q Q V	V L M M D R Q Y Q A G K T F N F G	L Y P D N E G	
UniRef90_C4L792	A F T N Y S A [] H Q L S F E R A Q S	V I L D R Q Y Q F Q S G N T L N F T	L L G S D G	
UniRef90_C9P7D7	A F T N Y S S T N Q L S F E R A Q T	V L L M S R Q Y Q A G A T Y P F A	L L H K A D G D D	
UniRef90_I2BDX7	A F T N Y S S T N Q L T F E R A R D	V L L D R T Y Q G G E S Y P F T	L Y A D G D D	
UniRef90_F7YSK1	A F T N Y S A K N Q L S [] E R A Q T	V L L D R T Y Q G G E S Y P F T	L Y K T E S D	
UniRef90_X3X6R1	A F T N Y S S T N Q L T F E R A Q Q V	V L L M D R S Y Q A G K T Y N F G	L Y P S G D	
UniRef90_D4E0J8	A F T N Y S S T N Q L T F E R A Q S	V L M Q R Q F Q T G K T F T F S	L Y A A A N	
UniRef90_UP10002F689B8	A F T N Y S A T N Q L S [] E R S Q A	V [] H L S K T F Q S G K S Y P F T	L L M D Q G N D	
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UniRef90_U3BJX7	A F T N Y S A K N Q L S F E R A Q S	V L L D R T Y Q S G E S Y P F T	L L Y K T E Q	
UniRef90_Q74RF9	A F T N Y S S T N Q L T F E R A Q S	V L L D R Q F Q T G K T F T F G	L Y P S D N	
UniRef90_T0QJW8	A F T N Y S S T N Q L T F E R A Q S	V L M M S R Q Y Q S G Q T F T F G	L L Y P K S D	
UniRef90_D8MLH2	A F T N Y S S [] V H Q L T F E R A Q S	V L M M D R Q F S A D N A W N F A	L L Y P D G D D	
UniRef90_A6CUL9	A F T N Y S A K N Q L S [] L D R A Q S	V L L D R T Y Q S G E S F S F D	L L Y K T D N N	
UniRef90_UP10002FCA92E	A F T N Y S A K N Q L S [] L D R A Q S	V L M Q R T F Q S G E S F S P F	L L Y K T D N N	
UniRef90_UP1000376198A	A F T N Y S S T N Q L T F E R A Q S	V L L D R Q Y Q Y A G K A L N F G	L L Y P A E D S	
UniRef90_Q8D3U8	A F T N Y S A K N Q L S [] L D R A Q S	V L L D R T F Q S G E S Y P F T	L L Y K T D S Q	
UniRef90_V5E7C0	A F T N Y S S S N Q L T F E R A Q S	V L L Q R Q F Q T G K T F G F E	L L Y P A D Q	
UniRef90_UP10002D3BD05	A F T N Y S A K N Q L S F E R A Q T	V L L D Q T Y Q S G E S Y P F T	L L Y S T E N D	
UniRef90_D0Z9W6	A F T N Y S S T N Q L S Q E R A Q S	V L L Q R M F T S G Q T Y A F S	L L Y P D G D G	
UniRef90_U3CNL1	A F T N Y S A K N Q L T L D R A Q S	V L V N R T F Q S G D S Y P F Q	L L L K T A G E	
UniRef90_UP100046AAF11	A F T N Y S S T H Q L S [] L E R V Q N	V L M M D R Q Y L E G K T W S F A	L L Y P A D E	
UniRef90_W0L7S1	A F T N Y S S T N Q L T F E R A Q Q V	V L M M Q R Q F Q T G K T Y N F	L L Y P T D N	
UniRef90_W1DZQ0	A F T N Y S S T N Q L T F E R A Q Q V	V L M M D R S F Q A G K A Y N F	L L I P A G D Q	
UniRef90_L0MNS2	A F T N Y S S T N Q L T F E R A Q S	V L M M Q R Q F Q T G K T F T F	L L Y P T A D	
UniRef90_Q9KL06	A F T N Y S A K N Q L T [] L E R A Q S	V L M D Q T F Q S G E S Y A F Q	L L Y K T E Q	
UniRef90_D4GEH0	A F T N Y S S T N Q L T Q E R A Q Q V	V L L S R Q Y Q Y Q D D G A G	L L L P E G D E	
UniRef90_E6WIV1	A F T N Y S S T N Q L T [] L E R A Q Q V	V L L S R Q Y Q Y Q D D G A G	L L L I A A G E	
UniRef90_F0LZU9	A F T N Y S A K N Q L S Y E R A Q S	V L M D R T F Q S G E S Y S F H	L L Y S T E D D	
UniRef90_C6AN86	A F T N Y S S G T N Q L S A F E R A V V S	V L T D Q R Y F S G D K Y D F F	L L Y P Q A D D	
UniRef90_U1TD64	A F T N Y S S T N Q L S E A R A Q Q V	V L L S R Q Y Q Y A G D A M N F A	L L Y S Q G D	
UniRef90_Q65QT4	A F T N Y S S G S N Q L S F E R A L S V	V L T E Q R Y F A G D K Y N F K	L L Y P Q D D N	
UniRef90_UP10002FB4105	A F T N Y S S G A N Q L S F Q R T Q G V	V L L E Q S F Q S G D S Y N F E	L L R Q H D D D	
UniRef90_UP100034AFE3B	A F T N Y S S T N Q L T F E R A Q Q V	V L M M D R Q F Q S G S G Y N F A	L L W P Q G D D	
UniRef90_E7V2Y5	A F T N Y S S T N Q L T F E R A Q Q V	V L M D R S Y Q A G K T Y N F G	L L Y P T G D	
UniRef90_D0Z2X2	A F T N Y S S G T N Q L S [] L E R A Q S	V L L Q Q T Y Q S G D S V K F S	L L Y D D N G	
UniRef90_L8JE58	A F T N Y S A S S N Q L S [] L E R T Q S	V L H Q R T F Q S G D S Y P F S	L L Y K V D N	
UniRef90_UP1000395C446	Y S A S S N Q L S F E R A Q S	V L L E R T F Q G G G D S Y P F S	L L Y Q T D K E	
UniRef90_W11S43	A F T N Y S S T N Q L T [] L E R A Q T	V L M S R Q Y Q Y Q T G E S F D F	L L Y P E A E	
UniRef90_N6WRM9	N Y S A S S N L S F E R V Q E Q I	V L L A R T Y Q S E A R Y G Y E	L L Y Q T E Q	
UniRef90_UP1000394359F	S F T N Y S A K N Q L S [] L E R A Q S	V L L A Q T F Q S G E S Y P F Q	L L Y H T Q N	
UniRef90_U4K7Q4	A F T N Y S A K N Q L S F E R A Q S	V L L Q D T F Q S G D S Y R F D	L L H S [] D S	
UniRef90_UP10002D47270	A T N Q L S F E R A Q S V L L D R T F Q S G D S Y P F N L	L L Y R S E E		
UniRef90_UP10003B3D55E	N Y S A K N Q L S [] E R A Q S V L L D R T F Q R G E S Y P F N L	L L Y K T Q Q		
UniRef90_U3HNV4	G F T N Y S S G S N L L S Q E Q V K Q Y H L N Q T Y L A G E R Y R F S L	L L H A S P E		
UniRef90_S2KIP8	N Y S S S N L L S S E E R V R A Q F L E Q T Y Q A G G V A F D F Q	L L Y R E G D		
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UniRef90_UP100047A89DE	A F T N Y S G T N L L T [] L E R V E R M H L A R T Y T A G G T F D F A M	M L E S G E		
UniRef90_UP10003C78CFD	A F T N Y S S T N Q L L A Q E R A T Q V L L D R S Y Q A G K T F N F G	L L Y P A G D		
UniRef90_M4R405	N Y S N Q L A F E R A V T V L S E Q R Y F S G D K Y N F S	L L Y P Q D N		
UniRef90_I3D846	A F T N Y S G S N Q L S Y E Q V L V L Q S Q T Y A A G D R	L L L E N G E		
UniRef90_A3N1N8	N Y S S S N Q L N F K V Q V R Q L L N Q T Y A A G D	L L H L N F K L L		
UniRef90_U7NZ43	N Y S S S S N L L S S E E R V R D Q L L S R T F Q A G A A F D	L L Y R D G E E		
UniRef90_F7SPJ5	T N Y S S T N L L T F S S R A T A Y L D Q T Y S S G D P	L L Y Q E G E		
UniRef90_B9Z7Z8	N Y S S S S N L L S S E E R V R G Q L M S Q T Y Q E G N A F	L L Y A H G K		
UniRef90_W8RSB9	N Y S G T N L L S F E Q A Q R Y H L N Q T Y L A G E R F G F S	L L H Q N D E		
UniRef90_C9PP8E	T N Y Q L A A Y E R A L S V L E F Q R Y F A G D K Y D F	L L Y P Q A D D		
UniRef90_H0J3K0	N Y S S T N Q L L S S E E R V R S Q L M S Q T Y Q D D D A F	L L T L Y A E G D		
UniRef90_W5YKH1	N Y S A S N Q L L S F G Q V Q E N L L S R T Y Q S E A R Y D	L L Y K T N A		
UniRef90_W5YTE1	N Y S A S N Q L L S F E Q V K D N L M D R T Y Q S D S R Y N Y E	L L F N T D A		
UniRef90_W9B195	N Y S A T N Q L T L E R T Q S L E Q R T F Q A G K S Y N F	L L Y K A G G		
UniRef90_T2LD71	N Y S S D N Q L L S Q E R V R A Q L T N Q T Y Q A G A A F S	L L Y Q E G E		
UniRef90_A4VQ62	N Y S S D N Q L L S Q A Q V E R Y H L S Q T Y L A G E R F F R F	L L H P S P D		
UniRef90_E1V8B2	N Y S S S N Q L L S S E E R V R A Q F L E R T Y Q A G S A F D F R	L L Y R E G E		
UniRef90_Q2SPS3	N Y S S S T N Q L L S Q E R V R V L E Q L S Q R F Q T G E R Y D F F	L L Y P T D D E		
UniRef90_UP10004780EEE	N Y S S S T N Q L L S [] Q R V K L A K T Y E T G G S Y G F S	L L Y Q N G E		
UniRef90_B8F3M5	N Y S G S N Q L A F E R V V V N Q Q S Q R Y F S G E R Y D F F	L L L E T D N		
UniRef90_N9VJD8	N Y S G S N Q L S M E Q A R E Y H L K K T Y K Q G G E Y D F T	L L V I S E N N N		
UniRef90_D9P655	N Y S G S N Q L S F E Q V V L R N Q S Q T Y A A G E R	L L L E A N N		
UniRef90_S6EH14	N Y S T N Q L S F E R A L N V L T T Q K Y L S G E K Y D F F	L L Y P Q T E		
UniRef90_R9PTQ0	N Y S G T N Q L S [] E R V E Q L Q K T Y M A G G S F D F	L L H Q E S E D		
UniRef90_I7AC92	N Y S S T N Q L S F F Q Q V Q R Y H L Q G T Y L A G E R F G F S	L L H Q N D D		
UniRef90_V8FB61	G F T N F S S K N Q L L T F E R A T Q Y L D E T Q R T D G G Y A M T	L L Y G D G K		
UniRef90_UP100034BF354	N Y S S R N Q L S F E R A T A Y L L D E T Y Q A G R T Y D F A	L L L S D G Q		
UniRef90_UP1000476071C	T N Y S S T N Q L L T F S S R A T A Y L L D Q T Y S G G E P L	L L Y P R G K		
UniRef90_UP100045EB527	N Y S S T N Q L L T F S S R A T A Y L L D Q T Y S G G E P L	L L Y P E G E		
UniRef90_UP1000380290	N Y S A S N Q L T F D R V Q E Q L A Q Q Y T G D R Y K K F	L L Y Q L D N		
UniRef90_UP10003B4D646	N Y S G T N Q L T F E R V Q K Q L S K T Y Q P N S Y Q F E	L L H S S D E		
UniRef90_UP100028A354D	N Y S S S N Q L L S S E E R V R A Q L A R T Y Q Q E E S T F G F Q	L L H S S D E		
UniRef90_UP100047AC811	T N F S S S N Q L L L E Y E R A K Q Y F L D E T Y Q S G D K	L L H K H R D E		
UniRef90_A4XX18	G F T N Y S G S N Q L S F E Q V Q R Y H L R Q T Y L A G E R Y G F S	L L H R E D E		
UniRef90_I0HKS0	T N Y S S S N Q L L S S E Y E R A T A Y L L E Q T T P E G H G W G F	L L H P D G Q Q		
UniRef90_G8PQB0	N F S S S F N Q L S H E R V R E I H L A K K I V D K E S R D F	L L W Q Q G D		

130 140 150 160

QUERY	E WQL[A][L]S D G E T G K N Y [L]S D A F K F G G E Q K [L]Q[L]K E T T A Q P E G E
UniRef90_UPI000467989E	A WQL[A][L]T D G D S G K H Y [L]S D T F T F G G E Q T L [L]A L K E A D A [L]P P G G E
UniRef90_R9VTK9	A WQL[A][L]T D G D S G K N Y V [L]S D A F K P G G E Q Q L [L]T L K E A D A [L]P A G E
UniRef90_G9YB30	Q WRL[Q][A]D S D N D Q [L]Y I S E P F S F S A E Q R L T M K P E S T E L A G E
UniRef90_D3V678	Q WV L[A]L S V P D S S Q L L V S D P F S [L]G E E V I L P L H K Q E K V F E S D
UniRef90_V3TXA3	R WRL[V][L]K A P D S G A I L L V S A P F E F N A T T P Q T L T [L]A P A P P Q G E
UniRef90_Q7N984	[L]WVL[A]L S [P] S Q T K Q [L]V S E P F S L S E E T T L H V Y E Q D N L E N G E
UniRef90_A6F8J6	G Y R L[A]I K D G A Q [L]L V T D E [L]N L T Q P E N R R L V L A T D D V V G S
UniRef90_E8XYH4	R WQL[A]L T S A D N S E T L V S P P F A F N A P Q T L D M L P Q T A P S A E
UniRef90_H5V767	K WRL[A]L T D G E S G K N Y V S D A F T F G G E Q T L K L S E A A A L [L]P A G E
UniRef90_C4L792	H WQL[Q][L]Q D S E T N Q T L L S A P F A L D N P Q R L N M V P K T A D T G A T
UniRef90_C9P7D7	G Y R I[A]V Q D G D E W Y I T E S F P L T G S V P A D L Y L A P L D P L G E
UniRef90_I2BDX7	K WQL[A]L T D T A S G K Y Y V S E S F T P G G E Q H H A L R E A A G L P D G E
UniRef90_F7YSK1	G Y R I[A]I E D G E Q T L A T D V F S L N G L S V T D M D L Q P I E I E G T
UniRef90_X3X6R1	E WQL[A]L T D G E T G K H Y L S D A F S F G G E Q K L Q L K E T D A L P P G G E
UniRef90_D4E0J8	Q WQL[Q][L]T H P D S G E R L M S E P F S L D A A E P V K L T A A A G E P T T E
UniRef90_UPI0002F689B8	G Y [A]L T [L]K D A G Q [L]L A T E S F D L N Q D A E R T L T [L]A P V E I R G K
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UniRef90_U3BJX7	G H R I V I N D G E Q L L A T P T F Q L D G L S D L D L T P V T S V D G D
UniRef90_Q74RF9	Q WRL[Q][L]T N P D D G S L [L]F I S E P F S F T G E Q K V M V A P T N T A Q T S E E
UniRef90_T0QJW8	[L]WVL[A]L D A P G Q T K Q [L]V S E P F S L T E E T T L R L L E Q D T A Q S G E
UniRef90_D8MLH2	R WQL[A]L T S P E N G A V M V S K P F A F N A T T P Q T L M A A Q T [L]P E T E
UniRef90_A6CUL9	G H R I Y V K D G D Q L L V T P E F D S S P K E Y D L L S E A Q S Q S G E
UniRef90_UPI0002FCA92E	G H R L S I D T G D Q I L A T K E F V L E G G T N L D L A P V P S V S G K
UniRef90_UPI000376198A	K WQL[A]L S E G D T H Y V S E P F S F G G G T Q T L E M K A A P A L P Q G E
UniRef90_Q8D3U8	G H R I V I K D G D V L L S T P E F V L G S A S D L D L S P V D T V S G T
UniRef90_V5E7C0	Q WRL[R][L]T A P D S E Q R L I S D P F T L G G P Q T L K L L T V E N E Q P A G E
UniRef90_UPI0002D3BD05	G H R I A V Q K G E Q L L A T D H F D L A S Q T D M D L S I V E S A P G D
UniRef90_D0Z9W6	Q WRL[Q][L]T D A Q N G Q R Y L S G P F T L S Q S D Q I S M A P A D G A P Q G S
UniRef90_U3CNL1	G H I I A L Q D G E Q T L V T R E F N L S K D K D L S L M V V D A N [L]Q G D
UniRef90_UPI00046AAF11	K WQL[T][L]T S P E N G D L L V S K P F A F T P T E P Q T L L A M T P S A P T S E
UniRef90_W0L7S1	Q WQL[Q][L]T H P D S G Q L L I S E P F S L S E T Q T L K L L G V E N S P P V G E
UniRef90_W1DZQ0	E WKL[A]L T D G E S G K N Y L S D A F K F G G E Q K L L A L K E T D A L P E G E
UniRef90_L0MNS2	Q WQL[L][L]T H P D S G E S L L S A P F S L N N P Q Q V T L T A D A T A P A G E
UniRef90_Q9KL06	G Y R R L L I E D G D E R L I A T A P F S L S G N V P T D L L E V I G G I D G E
UniRef90_D4GEH0	R WRL[V][L]L S E G S N S Q T W V S P [L]F S F D T A G P L K M V S A P A P E G E
UniRef90_E6WIV1	R WQL[V][L]S E A E N G Q T F V S A P F S F G G E Q T L K L T Q A T P T A G E
UniRef90_F0LZU9	G Y R I S I E D G D K L Y A T P A F S I T N P S D L D L A P I D A M S G E
UniRef90_C6AN86	G Y K L A L H N K T T N Q D F L S E D I K L S D A Q I T V T E Q P E P Q G E
UniRef90_U1TD64	R WQL[A]L S T G E N S F L S A P F T L G G E Q K L L Q L K E T D A L P G G E
UniRef90_Q65QT4	Q Y K Y I V L T N P A T A Q T F V S E S I A L L S D E G H K L L T P A T E [L]P G K
UniRef90_UPI0002FB4105	V Y S I A L K Q D D H W L V S Q P L S L S D E G H K L L T P A T E [L]P G K
UniRef90_UPI00034AFE3B	Q WIL[A]L T G A D N A Q F V S A P F R F D K E Q T L T L S K T D A A P A G E
UniRef90_E7V2Y5	E WQL[A]L T D G E T G K H Y L S D A F S F G G E Q K L L Q L K E T D A L P G G E
UniRef90_D0Z2X2	K V H I A L Q E G N K W Y Q T P A Y D L K P T E P I S L T E V A V P S G D
UniRef90_L8JE58	G H Q L V I N A N G E L L A S D V F D I A N P F A D P M T L R D V D V Q G E
UniRef90_UPI000395C446	G A R L V V E M P E A R Y A T K P F D F A A A Q T L A L T P V D S I S G E
UniRef90_W11S43	R WVL[A]L S K I S S S N I L V S K P F S L S E S E K L P L H E R T V G F E H S
UniRef90_N6WRM9	G Y V I Y L E G Q N Q N F Q S P P F S L G N A E A V P L R P A A S A P T G E
UniRef90_UPI000394359F	G Y R L V I R N G E Q L L A T P A F S L G P A K K L A L T P I E S P Q G W T
UniRef90_U4K7Q4	R Y R I I Y V K Q G D N W L A S P A I D F T Q P P A Q A I Q L E P T E Q R G T
UniRef90_UPI0002D47270	G Y R L A V K D G E Q L L V T D T F D L T T P A T L R F D L S P I D A T G T
UniRef90_UPI0003B3D55E	G Y R I F I T D G E Q L L S S D D F T M D K T T E F N L M L A V D Q V V G E
UniRef90_U3HNV4	G D R L R V D K G E Q G V F V S D P L T P N A E E P L A M Q P A E D V A D G K
UniRef90_S2KIP8	R I R L Y L E A K E G A R R L I S E P L G K A G K G K L A V R P T D A P P P G E
UniRef90_M9X115	K Y Q I A L T N P T T E Q T F V S E P I S L A T G T N V V V T E Q N R P T G E
UniRef90_UPI00047A89DE	G Y V L Q L V Q D D K V L V S S P L S P I E S S E V K L S H V E Q K P E [L]E
UniRef90_UPI0003C78CFD	E W K L[A]L T D G E S G K T Y I S D A F K F G G E Q K L A L K E A P A L P E G E
UniRef90_M4R405	Q Y R L V L V N P N T E Q T L V S D K F N L A I E K N I A V T E Q S L P D G E
UniRef90_I3D846	Q Y Q I A L T N K T S Q K N Y L S E P L V L G N E G E V A V K E V E Q L P N S
UniRef90_A3N1N8	Q Y Q L A L S N P N S Q K N Y L S E P L V L D A P A E L V T E V E Q L P N S
UniRef90_U7NZ43	R A R L Y L H G G D A S Q G F V T P P L N D N P E P V G L Q A V V D R P P S G E
UniRef90_F7SPJ5	L I R L Y L E N A D T T Q R F V S S P L N F A N H E T R Q I Q A V V D A S P A Q E
UniRef90_B9Z7Z8	N Y Q L R L S N E A G Q Q V W Q S A D V K L D G A Q T V T L H E A S V A P V G D
UniRef90_W8RSB9	G M R L R V D R G E Q G V W I S A P L E V E G E P L G M T L E A D V D D L G K
UniRef90_C9PP8E	R WQL[A]L H N K T T D Q Y F I S S Q P I Q F T D K Q V N V T E G M A P E V A
UniRef90_H0J3K0	L V R L R L E N E R Q R W M S S P L N L A N V E Q L G L Q A A S D A P T A D
UniRef90_W5YKH1	G Y I V H L K G K H Q N L T S A P M E L L A G E T T A P V L P L S G Q P R G E
UniRef90_W5YTE1	G Y V I Y L E G K H Q N L V S A P L A D G D T S A P V L P A S D K P A G E
UniRef90_W9B195	G Y Q I I I D D D G K L L S T G L I D F N N K S V K L K P V V E A F G G K
UniRef90_T2LD71	L V R L Y L E S D G D N D R L L S A A L N L T N S E R V P T Q S V D T P P E G E
UniRef90_A4VQ62	G E R L R I D K G E L G V F V S P P L T G E P D P Q A P L T L Q P A E D V G E
UniRef90_E1V8B2	R V W L Y L E Q G E G A S R L I S E P L V D S E S Q G S L A V H P A Q S P P A G E
UniRef90_Q2SPS3	K F V M R L E S P A G E S W A S A P F S F S L Q N N A V A P A E P D A Q
UniRef90_UPI0004780EEE	S Y Q L N L N Q K G D N K H S Y T T E D F Y L M G A E G L D A I Q V T S E P V G E
UniRef90_B8F3M5	Q Y Q L A L E N K N N V Q K T Y L S A P L A L L A D L K E I K L E E V T T L P E S K
UniRef90_N9VJD8	Q F Q L L L K Q G D Q A F I S H P L S L G E A K E V S L Q P V T D E V T A A
UniRef90_D9P655	Q Y Q I A L T S K E S Q K N Y L S P D L V L N D A S E I T V N V E V E Q F P A G N
UniRef90_S6EH14	G Y Q I G L S H N G E Y F L S E P V P L A P A Q V V N L T Q Q D L P D I S
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UniRef90_UPI000476071C	Q F R I K L E R A D T N E L F L S G P L A L R R K V P L K V D V A P L D P P G Q
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UniRef90_UPI00047AC811	G V R L Y L E R E G A P S R F V S R P L S L Q E G E H V A I Q P A E G E P V G E
UniRef90_A4XX18	G Y Q L K L S N E D K V Y T S T P I D L G E A Q H I T L S E A D E N S S G D
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210 220 230 240

QUERY	L Y T [L] D G D G T L T N N Q S G V K Y R P N N Q I G F Y Q S I N W G D E K L S P		
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QUERY G Y T | V | T T G
UniRef90_UPI000467989E G Y T | V | T | G
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UniRef90_U1RH09 UniRef90_UPI00031BFB72 UniRef90_UPI000344C461 UniRef90_K0YV80 UniRef90_F6EJU9 UniRef90_I6WT72 UniRef90_UPI0003619BE7 UniRef90_J7LB23 UniRef90_A0A031FQN8 UniRef90_UPI00034D3016 UniRef90_E1VV69 UniRef90_UPI0003474099 UniRef90_UPI000255D17A UniRef90_UPI00036541E0 UniRef90_D7AYF3 UniRef90_C5BZ22 UniRef90_F6FTM1 UniRef90_U1S0Q1 UniRef90_M2XSE4 UniRef90_UPI000376BCCB UniRef90_U1MWQ4 UniRef90_UPI000378F0B5 UniRef90_UPI00042067BB UniRef90_C5C4R0 UniRef90_C5C7M3 UniRef90_C7NK69 UniRef90_UPI00037707CE UniRef90_Q9XDA1 UniRef90_UPI00046D098F UniRef90_C8X7V9 UniRef90_UPI00037C1524 UniRef90_A0A022KUF2 UniRef90_U2YIG0 UniRef90_UPI00047A4B69 UniRef90_D3PZ89 UniRef90_A0A010NQ33 UniRef90_UPI0003B4B096 UniRef90_S5DQS1	<p>A F T N Y S S R N L L T Y E R A T Q Y L L D E T Q R V E S A Y A M T V H A D N K</p> <p>N Y S S G S N L L S V E Q A R D R Y H L K K T Y K A G G E F D F T L L G G D N</p> <p>N Y S S S N L L S E D R V R G Q L L A R T Y Q E E S T F G F Q L H A T E E</p> <p>S S S S H L P F Q R S T E V L L N R T N S T G E G M A F T L H Q D G N</p> <p>S S F N L L T F E R A Q N V L L S S R I D E E T R P F A L V I A E G D</p> <p>S G S N Q L T F E R V V Q S Q F L A Q N Y E K P D S Y K F D V Y Q L D N</p> <p>S S N I L T F E R A R Y H L S Q T Y R E G Q N Y D F S L Y A A G E</p> <p>S S N I L S S F E R A T Q Y L L D E T R G E G S N Y A M T L H A D G N</p> <p>N Y S S S N H L S L E R V R A I H L A K T W R T G E S F S F K M Y Q E G P</p> <p>S F T T N Y S G S H V M N V D S A M A F H L Q K T Y K S G G D Y S Y K L F E L Q D</p> <p>N K S N L H L L S F D Q A K S Y F L D Q T Y I A D Q S Y E L G Y E E G S</p> <p>S F N L L S Y E R A V E V L L S R G T V D P D T E P F A V A E G D G</p> <p>S S F N L L S Y E R T L I E V L I S R G T V D P P E T E P F A V A A R D G E</p> <p>S S S N L L S F E R S T R Y L L E E K M P T G V E Y A F T L H A L G Q</p> <p>G F T R Y E A T H L S Y S R V K A D F L Q Q T Y K P D E A D T Y K L Y R Q E S</p> <p>S F N L L L S K P R T V E V L L S R G T V D P D T E P F A V A P E G D</p> <p>N Y S S A N L L R F P Q V V R Y F Q D E T Y L A S D A Y P F T L Y R A G E</p> <p>N Y G D R H M L T K E R A T E A L L T Q R V E G S A Q Y P L A V V D A G G</p> <p>S A K N L F T L E R A T K F H T E K T Y R E G A D F R F N I I K H D D</p> <p>N L F T L E R A E E F H L Q K K Y R E G G E Y K F S I V E S S N</p> <p>T N Y G T G H I L T K T Q V I E Q L E K E T F L P E N T F K Y E I Y K S K I </p> <p>T N Y G D G H R L N K T D A I A S I E E K R V E G S A S Y P L T V L S D D D</p> <p>T N Y Q G Q G H N S T K S D A I E L L M Q N Q R R A Q D S V D L S L D R G T</p> <p>S F T T N Y G T G H I L S K E Q V I E Q F E N Q Y Y L S E D S Y T Y Q A F K N N Y</p> <p>N Y G H Q H T L D K A Q A I N A L V V Q N S F K R V E G S P</p> <p>N Y G D R H M L T K E A A T S Q L V R S S Q R V P D S Y P L K V V S R G G</p> <p>A F T T N Y G T G H I G T K E A A I E A N L A Q R V E G T P A Y P L A V V S D D D</p> <p>S L T N Y G D G H N S T K A D A I E E V A L S R Q R V E G A T V Q T A V V E D G S</p> <p>N Y G D G H H N 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V V E R G G G</p> <p>N Y G H Q H T L D K S T A I E L L Q N S T K R V E N S P</p> <p>T N M S D G H R G T K E Q A I A S I E A Y S V V S A D E Y T L T V A T T G D</p> <p>N Y G D G H H N S T K D D A I S Q L T A Q K R V P D S A Y Y K A S V L T K G N D</p> <p>S L T N Y Q Q G H H N S T K D D A V N S L E Q R A E G A P T V P T A V V E N G D</p> <p>A F T T N Y Q G D R H L L D K A S A A E S L R Q R V E G T A E Y P L T V V E K D G G</p> <p>N Y G D G H H L L T K Q V A I R Q E R E M Y L P E G A F E W T A Y P Q G D D</p> <p>N Y G S G H H N S D K A D A V S L M A E R V E D S P T Y P V V K Y S G D D</p> <p>N Y G D G H H N L T K E Q A V V A V L A Q R V E G S A A Y P L T V L M R G S G</p> <p>N Y G D G H H N S T K Q D A V E F L L E R R V E G S D A Y Y Q V S V V E Q D G D</p> <p>N Y G D G H H N S T Q A D A V E A L L N E T R T L P D S S Y P L T V I L S G D G</p> <p>N Y G T G H H N G S K E Q A V V S S L M A E R V E D S P T Y P V T V V D Q G G G</p> <p>T N Y Q G D G H R G T K E Q A I A Q I E A A S V A Q G E G Y V L T L A A R G D G</p> <p>F T N Y Q G Q G H H N S T K E D A V S A L L E Q R V P P G A A N T T T A A V V E D G G A</p> <p>N Y G A G H H N S D K P A A E I Q S S S L R V P D S Y P V S V L E Q G G G</p> <p>T N S D G H R G D K D R A A E A S V T R P D P D S P E Y Y V L A P D T G G</p> <p>N Y G S G H H N S T K E D A V V A L T A K Y T R V G P V P A K V V T S S</p> <p>N Y G D G H H N S S K E D A I R A L V Q Q R R V D G T Q F P I S V V Q S E G G</p> <p>T N Y Q G D G H H N D S K Q A A I T Q I L D R R V E G T S T Y P V T V V E K D G G</p> <p>T N Y Q G D G H H N S T K E Q A I E A L E L R R V E G S P S P L T V V A D G D</p> <p>T N M S D G H H R G S K E Q A I E A S V V R E D D S R E F A L T P D T G G</p> <p>T N Y Q G A G H H I Q S D Q A V V A S L E R R V E G A P T L T V V E R G G G</p> <p>T N H G D G H R G T K E E A R I E A S R T A D G R E F A L T I A A E G D D</p> <p>N Y G S G H H N S D K D D A I S L L Q N R V E G S A G Y P V S I L E G Q D</p> <p>T N M S D G H H R G D K E Q A I N S I E S T R T A 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V E I I Q A Q Q V E G S E R Y A L S V V P E G T</p> <p>N Y G D G H H N S S K E A A I Q G L T E Q R V E G S P Q Y E V T V L S K D G</p> <p>F T N Y Q G D G H H R G D K E Q A I A A I E A Y S V R T P D S Y T L T V A A D G T</p> <p>N Y G D G H H R L D K D G A I D A T I A Q R D P D S P T Y L Y A V G E S S E</p> <p>T N Y Q G T G H H L D S K D A A I V A I Q A S N V V E G G T E Y A V V P I E Q N G</p> <p>Y G S G H H N S T K E D A V N A N L L Q Q R V E D S P A Y P V T V L E Q G N G</p> <p>N F G D G H H R G T R G T K E Q A I N S I V S Q Q T A D P Y N M T V A P T E G G</p> <p>N Y G A G H H V G S Q D Q A V A A L E R R I D T S P S Y P L A V V E Q G G G</p> <p>N Y G D G H H N S T K A D V A N A I Q Q Q R V L D S P A Y R V V S I L E R D G</p> <p>T N L Q G D G H H R G T K E E V I D Y L E A K Q R E D A P T Y A L T V A Y D G S G G</p> <p>N Y G T G H H N S T K D H A I H A I M L Q T Q P D S P T Y Q L T V V I E R S G G</p> <p>T N Y Q G T G H H L G S M Q Q A V D A L E Q R V E D S P S Y P L A V V R E D G</p> 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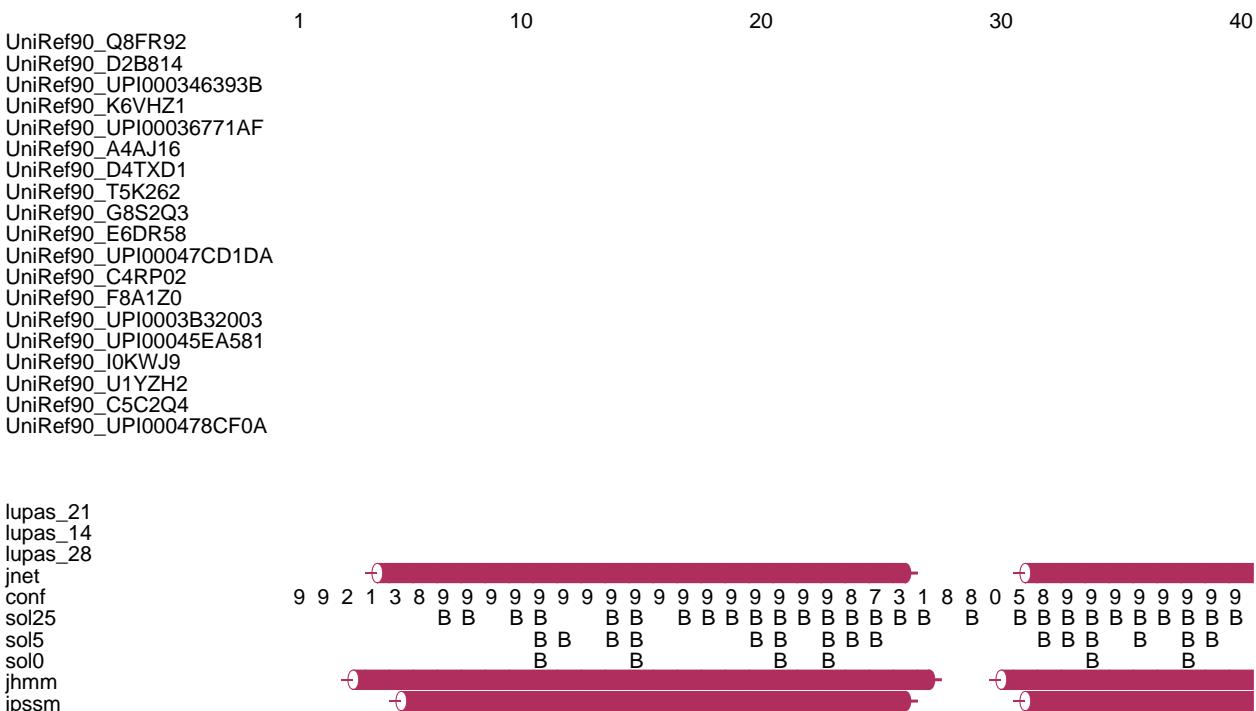
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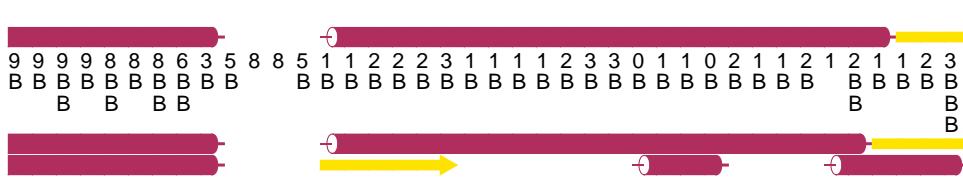
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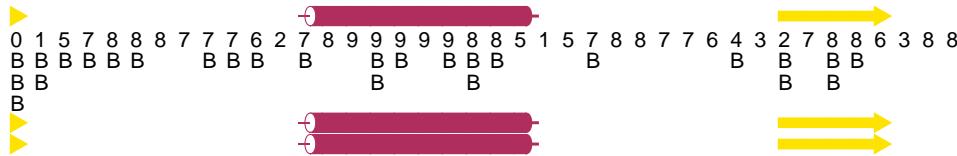
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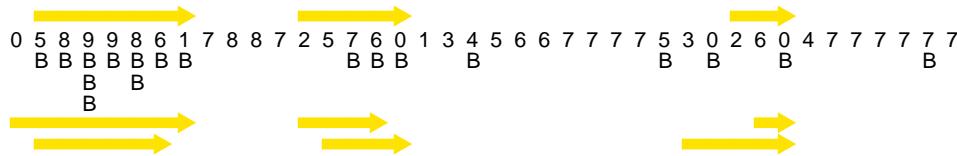
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UniRef90_E6DR58	N Y G D G H N G S R D D A V A A I Q Q E R V P N A P A Y N S S V A E K D G
UniRef90_UPI00047CD1DA	N Y G D G H N S T K E D A I A Q L T A Q Q R V P D S A Y R V A V L E Q N G
UniRef90_C4RP02	A F T N F G D G H R G S K D D A I V A I Q S Q Q V P G S T E Y T L S V A S E G D
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UniRef90_UPI0003B32003	N Y G D G H N S T K Q D A I Q A I E Q G S F E E S K E Y P L T V L R D G N S
UniRef90_UPI00045EA581	A F T N Y G D G H N S T K S H A I E A L L E K R V V E G S A S Y P L A V V E G D S
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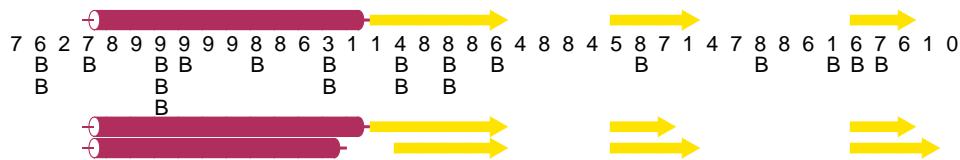
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