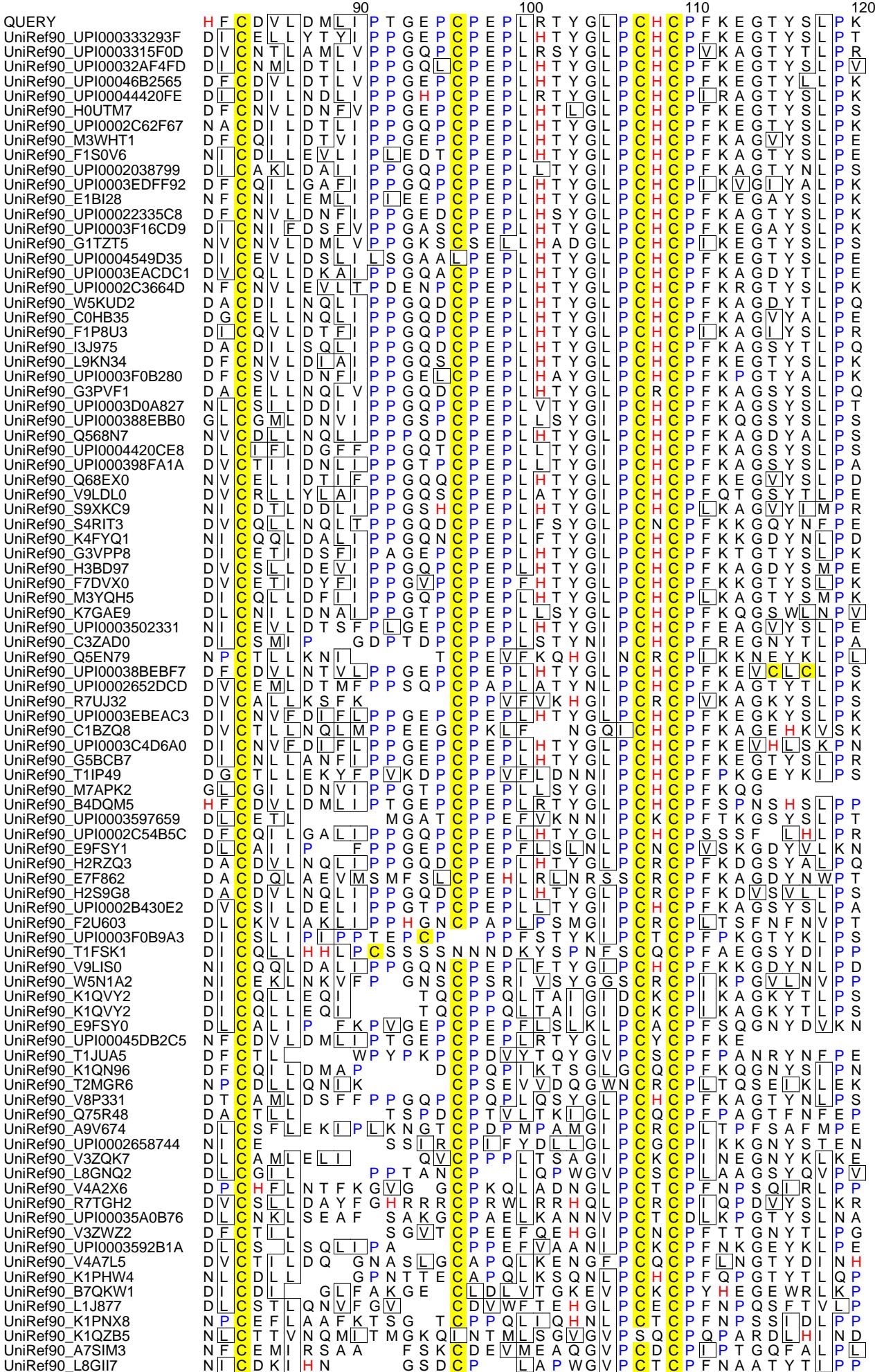


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1 10 20 30 40

This figure displays a sequence alignment of protein sequences from the QUERY section. A prominent, highly conserved region is highlighted in yellow. The alignment is organized into columns labeled 1, 10, 20, 30, and 40, representing amino acid positions. The sequences are shown as rows of letters, with identical or highly similar residues color-coded according to a standard palette. The yellow-highlighted region spans approximately positions 10 to 40 across the alignment.



130 140 150 160

QUERY	S E F V P D L E L P S W L T T G N Y R I E S V L S S S G K R L G C I K I A A S
UniRef90_UPI000333293F	S N F T V P D L D L P S W L S T G N Y R I Q S T L S S S G G K R L A C V K V A A S
UniRef90_UPI0003315F0D	S D F L L P D L E L P S W L S S G H Y R V H S V L S S Q G G Q R L G C L K L A A A
UniRef90_UPI00032AF4FD	S E F T L P D L E L P S W L S S G N Y R V E S I L S S S G G K R L G C V K I A A S
UniRef90_UPI00046B2565	S D F T L P D L E L P S W L S T G H Y R V Q G I L S S S N G K R L G C I K I A A S
UniRef90_UPI00044420FE	S N F T L P D L E L P S W L S S G N Y R V Q G V A S S T E K R L A C V K I S A S
UniRef90_H0UTM7	S T F P L P H L L P S W L S R G N Y R V Q S I L S S S G G E R L G C I K I S A S
UniRef90_UPI0002C62F67	S D F T L P Q L E E V P G W L S S G H Y R I K T V L S S S G G E R L G C I K I S A S
UniRef90_M3WHT1	S E F I L P Q L E E L P G W L S S G N Y R I Q G I M S R N G K H L G C A K I S L S
UniRef90_F1S0V6	S E V Y I P D V D L P S F L T N G D Y R I Q V V L S S S G R K R L S C S K I I K I S A S
UniRef90_UPI0002038799	T E F T L P G T E E L P S W L S S G S Y R I K S I L S S S A K R L A C V N I S A S
UniRef90_UPI0003EDFF92	S D F M L P D L E E L P S W L S T G N Y R L Q T I L S S S A K R L A C V N I S A S
UniRef90_E1BI28	S D F T L P D L E E L P S W L S S G N Y H I E S I V S S S K G K R L G C V K I T A S
UniRef90_UPI00022335C8	S V I T L P H L D L P S W L S T G N Y R I Q N I L S S S G R K R L G C F K I E V S S
UniRef90_UPI0003F16CD9	R V F T V P E M E L P N W L V T G N Y Y I Q G V L S S S G E K R L A C V K I S A S
UniRef90_G1TZT5	S R F S L P D I D L P S W L S N G N Y R I G G V L S S G G K R L A C V K I S V S S
UniRef90_UPI0004549D35	T D F Y L P N V D L P Y W L T N G N Y R V E G V L G N S G L E L G C L K V T F S S
UniRef90_UPI0003EACDC1	S D F F L P E L E L P S W L S S G N Y R S K I T L S I N G E H L G C C V K I S A S
UniRef90_UPI0002C3664D	S D F Y L P N L D L P F W L T N G N Y R V Q G V L N M G K E L G C L K V S L T
UniRef90_W5KUD2	S D F Y L P D D L P Y W L T N G H Y R V Q G V L G A M G K E L G C L K I I F S S
UniRef90_C0HB35	T D F I L P N M E L P S W L S F G H Y R I Q G I L S S S G G K R L G C L K V T L S
UniRef90_F1P8U3	S D F Y L P N V D L P Y W L T N G D Y R I Q G V L G S S Q G K E L G C L K V M T V S S
UniRef90_I3J975	T D I T L P E L E L P S W L S S G N Y R I Q S T M S K N G K R L M G C V K I S A I S
UniRef90_L9KN34	S D F A L P D D L P S W L S T G N Y R I E S I L S Y K N K R L S C C V K I A I S
UniRef90_UPI0003F0B280	S D F Y L P V M E V P S W L T N G N Y R V Q G V L G M Q D K E L G C L R V S L S
UniRef90_G3PVF1	S D F A L P D I E L P S W L T N G D Y R I R G V V S Y G G K E L S C V Q L E L S
UniRef90_UPI0003D0A827	T E F Y L P V I Q L P S W L T N G D Y R I Q V V L S S N G A K Q L A C V K V A L S
UniRef90_UPI000388EBB0	S E I D I P D V E L P G W L T N G H Y R V E G I L G S T G K E L G C L K I S F S S
UniRef90_Q568N7	S E F F I P N M D L P S F L T N G D Y R T R V V L S S N G D Q E E L A C S K V S F S S
UniRef90_UPI0004420CE8	S D F D L P D V E L P S W M T N G N Y R V Q A V T T S S S G E E L A C V K L A F S S
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UniRef90_Q68EX0	T S F D I P N L D L P Y W L T N G D Y K G K A V M S S G N R E L A C V E L S F S S
UniRef90_V9LDL0	S N I E L P S L Q L P A W L S T G N Y R I K S K L L S S S G G N H L A C V K I S L S
UniRef90_S9XKC9	S D F T I P Y V E E L P S W L T N G N Y R S K V T L S S M G G K E V A C L K L I S L S
UniRef90_S4RIT3	S S F Y I P S L D L P S W L T S G N Y K A T A I L S S G E K G S L A C V I I S I S
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UniRef90_H3BD97	T V F Q I P P L K L P P S S L S S G T Y R A H I V L S S N G N T R L G C F K I M I T
UniRef90_F7DVX0	T Q F T L P N T D L P G L I T S G A Y R I W I F L S S R G K R L G C F R I F A A
UniRef90_M3YQH5	U N I F O R M A T I O N G E R R Q K P P C A N G S V L V N G D Y R I E G V M S N G A Q Q L S C V K M A L S
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UniRef90_UPI0003502331	S T F E L P S V G L L P S W L E E G D Y E V Q A T L L S S N N T R L A C Y R A E L S
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UniRef90_Q5EN79	S C L P R N P S D S D V V I E D T G I P S W L S S G D Y E I K V V A D S K G S E L A C F S A T L S
UniRef90_UPI00038BEBF7	S D I F I D P A G I P S F L E D G D Y R A Q A K L L K G D Q E I T C V N I Q I S
UniRef90_UPI0002652DCD	U N I F O R M A T I O N S V I T I P H L D L P S W L S T G N Y R I Q N I L S S S G K K H L G C F K I D V S
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UniRef90_UPI0003C4D6A0	S D F D V P D V E L P S W M T N G N Y R V R V V V S N G G E E L S C V K L A F S
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UniRef90_T1IP49	S D I E I P E I P E W L T N G E Y Q A T A T L S N Q G K R L A C Y T A Q L S
UniRef90_M7APK2	M T F A I F D P K L P S I L L D G Q F Q V T V H L Y D A I G E I A C L H S H F T
UniRef90_B4DQM5	S S T T F H I P K V R L P S F L A G G T Y K V Q I K A I S G K K E I V C F Q T T V S
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UniRef90_E9FSY1	M S Q D I G A E A F P S G D Y E V T G T V T D D G K V A A C L E V Q F
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UniRef90_W5N1A2	U N I F O R M A T I O N UniRef90_UPI00045DB2C5
UniRef90_K1QVY2	V V V T L P F S D I P K W L E N G H Y S I E A H L M D Q S Q E L F C I Q I L M Q
UniRef90_K1QVY2	I N M Y G S F G F P T G D Y N L T G T L H Y Q G K Y V A C L E V I L T
UniRef90_E9FSY0	L V I I I P K L S L P S F I E N G E Y E I K A T L N N G Q E Q L F C Y Q I H C S
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UniRef90_A7SIM3	U N I F O R M A T I O N UniRef90_L8GII7
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UniRef90_UPI0003592B1A	P G V A I K H N P N L S W L T D G D L K V K A T L N D S G K R L A C Y Q I I A S

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UniRef90_UPI0004549D35	L H A	
UniRef90_UPI0003EACDC1	I H	
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UniRef90_M3YQH5	L K G	
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UniRef90_UPI0003502331	L	
UniRef90_C3ZAD0	L	
UniRef90_Q5EN79	L K	
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UniRef90_E7F862	L	
UniRef90_H2S9G8		
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UniRef90_F2U603	L E	
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UniRef90_T1FSK1	V E	
UniRef90_V9LIS0		
UniRef90_W5N1A2	M K	
UniRef90_K1QVY2		
UniRef90_K1QVY2		
UniRef90_E9FSY0	I	
UniRef90_UPI00045DB2C5		
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UniRef90_V4A2X6	I	
UniRef90_R7TGH2	I	
UniRef90_UPI00035A0B76	I	
UniRef90_V3ZWZ2	F	
UniRef90_UPI0003592B1A	I	
UniRef90_V4A7L5	L	
UniRef90_K1PHW4		
UniRef90_B7QKW1	L N	
UniRef90_L1J877	L	
UniRef90_K1PNX8	I K	
UniRef90_K1QZB5	V	
UniRef90_A7SIM3	V	
UniRef90_L8GII7	I	

1 10 20 30 40

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

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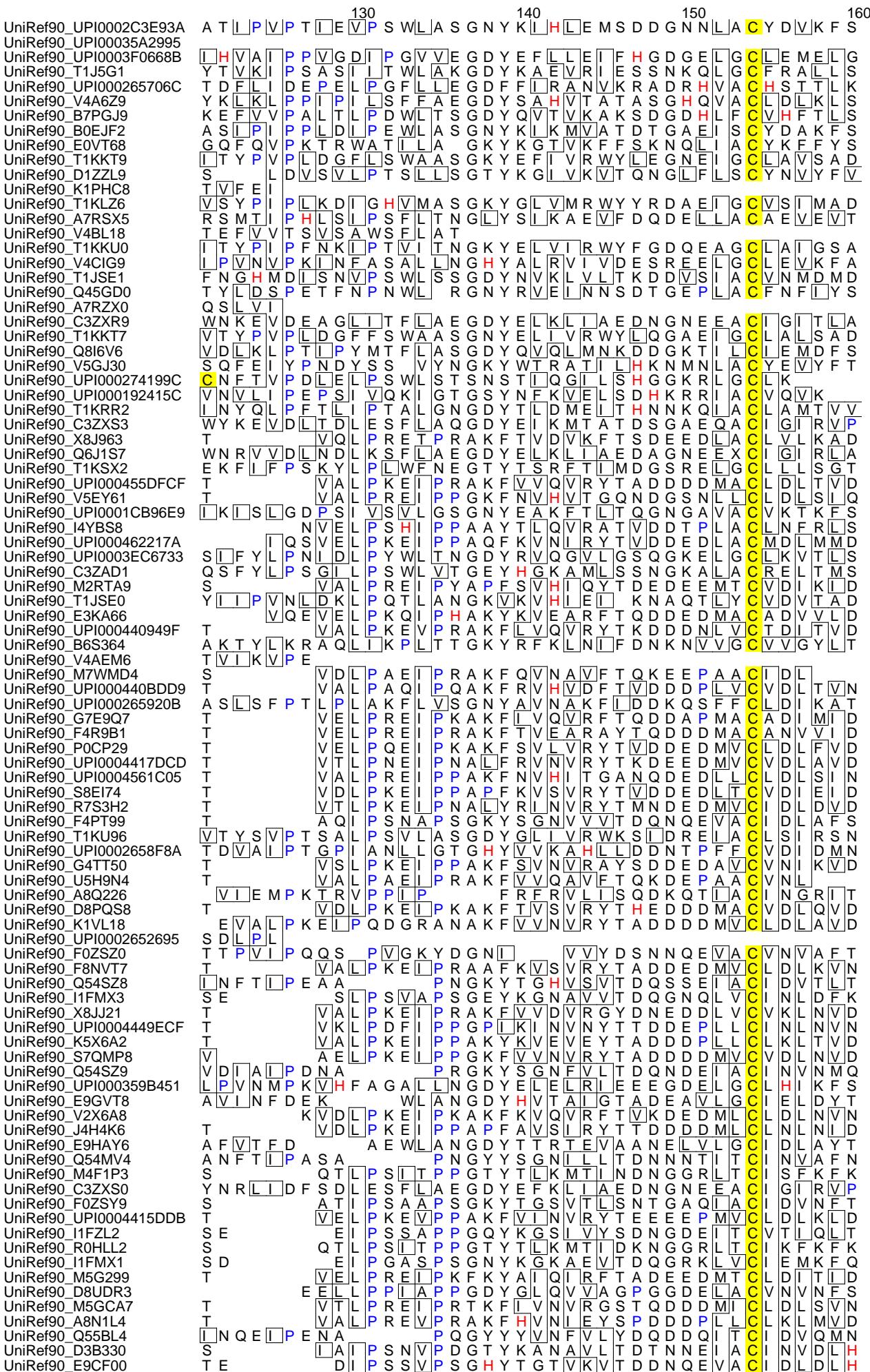
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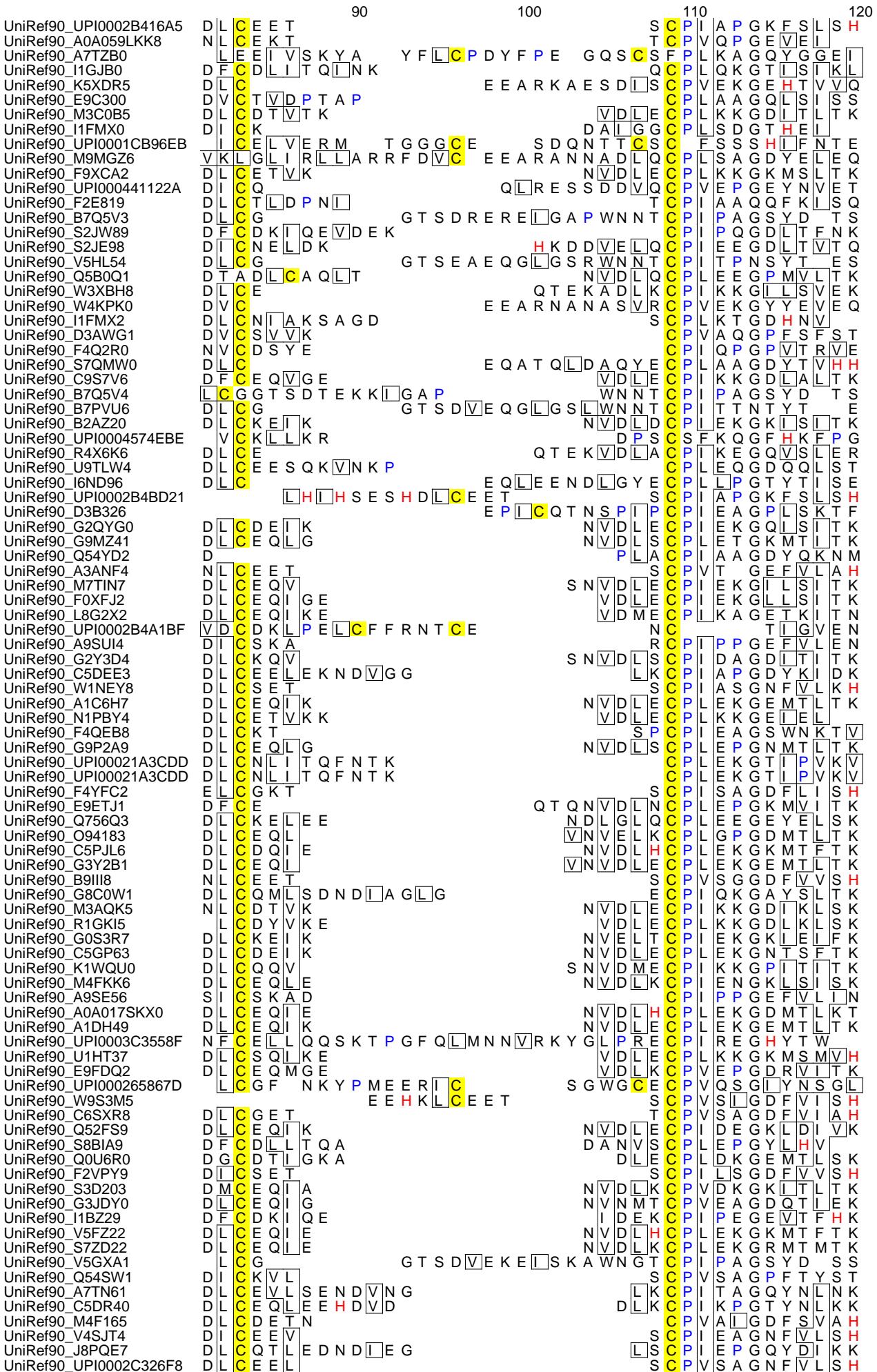
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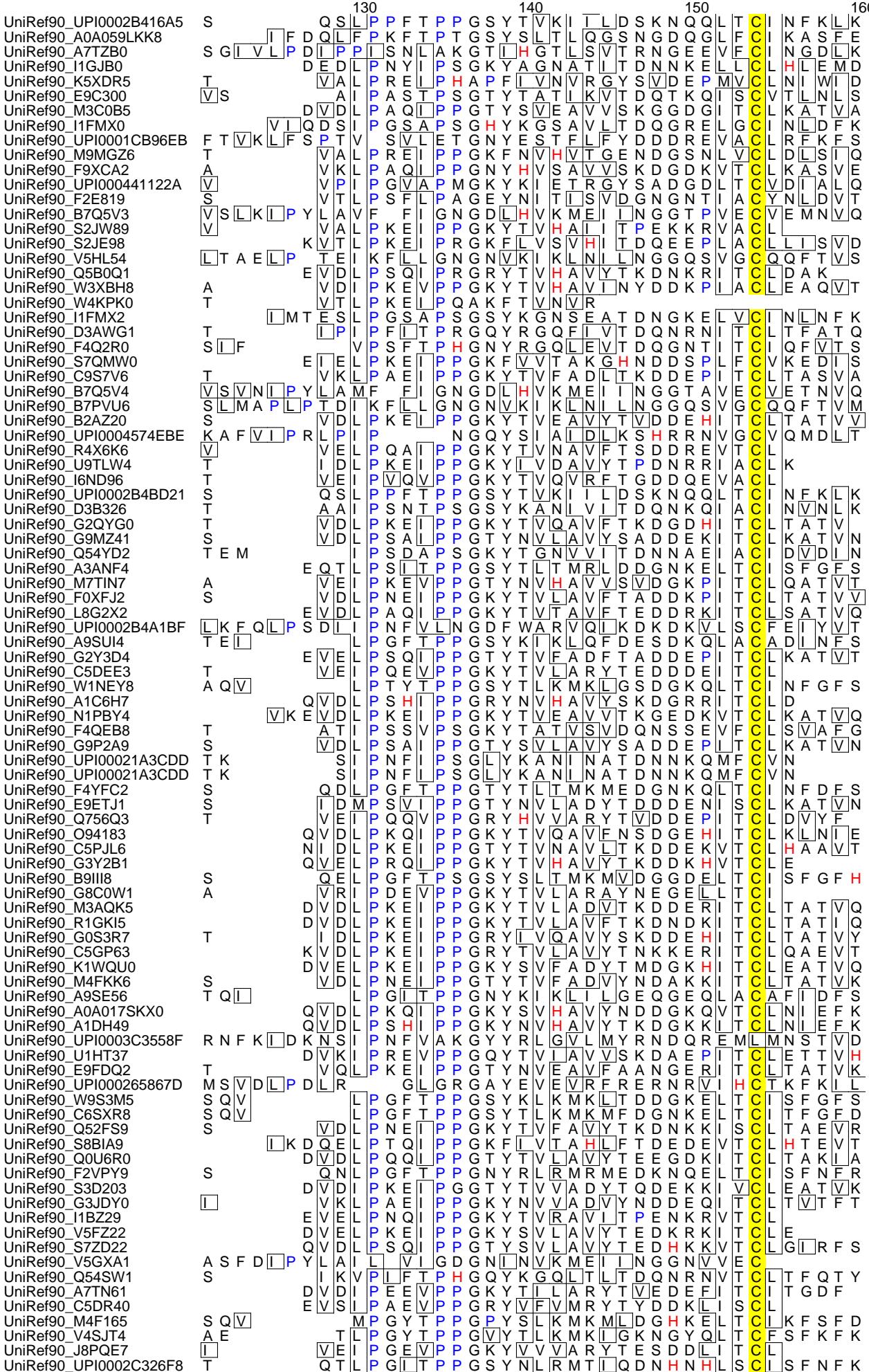
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UniRef90_I1GJB0	K S D K W R Y E D C G D S S Y P V H I K S I E I S P D P P V P G Q N L T V K V V
UniRef90_K5XDR5	S W T S C G G A N D K F K I S S V V V T P E P I V K G G D L K V T F N
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UniRef90_M7TIN7	V V L L K N V S V S P D P V I S G E D V T F I V P
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UniRef90_I1FMX2	I T L S E E V T E G K T L L V V K Y G T F H T V I N K S Y	
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UniRef90_F4Q2R0	G N F T E E I T G G S S T F V V V Q Y Q V G N S W I S L P S F T	S
UniRef90_S7QMW0	A T V S D V I Q V G A Y I W V E V K L G Y I V L I R K T F	
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UniRef90_W1NEY8	A S T E A P L S E G K L I I E V F I F G I H V H S E T H	
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UniRef90_G9P2A9	G E V K E T I A S G A Y V K L V V K Y G L I Q L L S T T A	
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UniRef90_E9ETJ1	G E V V K K K I A D G A Y V K V V V K Y G L I Q L L S T T A	
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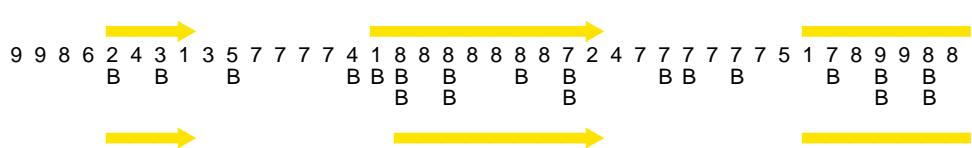
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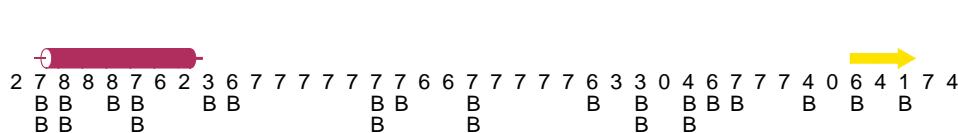


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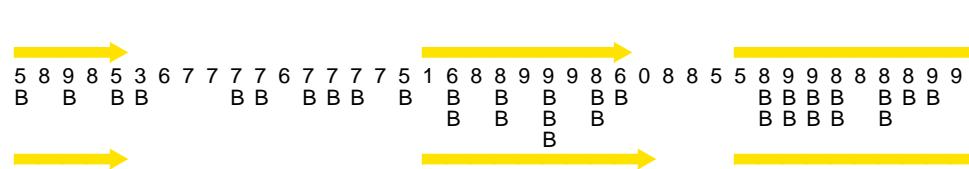
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