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

QUERY UniRef90_UPI0003A61F63 UniRef90_A9BN65 UniRef90_Q0VME5 UniRef90_U7FLE3 UniRef90_B0SWX9 UniRef90_A0A059IKC0 UniRef90_Q1YRY9 UniRef90_UPI0004763ABC UniRef90_B2SD15 UniRef90_V5B267 UniRef90_H4F181 UniRef90_G2DD62 UniRef90_W1N512 UniRef90_M3GA44 UniRef90_G7Z1Q0 UniRef90_J0AYK0 UniRef90_UPI00037BEA6C UniRef90_U3QUW0 UniRef90_V7EJU0 UniRef90_A0A024IGZ9 UniRef90_G2DD62 UniRef90_UPI000372337D UniRef90_UPI00046F1AEE UniRef90_E5AMA3 UniRef90_I0QTJ3 UniRef90_A0A021XEA9 UniRef90_UPI0003627A11 UniRef90_A0A016XLF4 UniRef90_B2VCU8 UniRef90_Q2YVY5 UniRef90_UPI0003699C11 UniRef90_K2DW94 UniRef90_UPI0004210EF1 UniRef90_A0A059FG04 UniRef90_A0A014PTZ8 UniRef90_Q2G6F7 UniRef90_K2HKT6 UniRef90_R4XTE9 UniRef90_UPI00037F3766 UniRef90_UPI000479925B UniRef90_UPI000419AF99 UniRef90_UPI000463CBD6 UniRef90_H0HUX1 UniRef90_UPI0003B66C6F UniRef90_UPI00047A0156 UniRef90_A3YHG8 UniRef90_UPI0003B337FF UniRef90_Q07RR2 UniRef90_V5C0J0 UniRef90_B6J016 UniRef90_G4RB08 UniRef90_M4S5K6 UniRef90_UPI00037964F9 UniRef90_E0Y0F3 UniRef90_I4YPJ8 UniRef90_UPI00035CD3CE UniRef90_C1D5X3 UniRef90_UPI00041KA87 UniRef90_UPI0003B720E2 UniRef90_UPI000475D69A UniRef90_J7GD91 UniRef90_Q5NQM6 UniRef90_I7Z991 UniRef90_UPI000469FE64 UniRef90_UPI0004687820 UniRef90_Q1YH01 UniRef90_UPI00046E9264 UniRef90_A0Z0Q4 UniRef90_E1SFK7 UniRef90_L1NGS1 UniRef90_UPI0003602C21 UniRef90_Q28JZ8 UniRef90_C7RTF8 UniRef90_UPI0003708094 UniRef90_UPI0003660DAE UniRef90_R6JRY4 UniRef90_UPI0003B72F4C UniRef90_G4QBK6 UniRef90_V5SB58 UniRef90_K8CTG5 UniRef90_W0SGN1 UniRef90_UPI00035DED09 UniRef90_A3STM8 UniRef90_UPI0003686085 UniRef90_N9WCX2 UniRef90_Q5FRI3 UniRef90_UPI0004790640 UniRef90_R5RAY5 UniRef90_W6LQ72

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V I E F F G G A I V L V R R E T P A I L L R G K T D A A Q G L V R R D I A D D E L L A E H G G Q S S
T I E F F G G A I V L V R R E T P A I L L R G K T D A A Q G L V R R D I A D D E L L A E H G G Q S S
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E F V P D G H H V T I R A V P L P L R R Q Q Q N L Q Q N L I P E L L L G E Y I A Q Q W T S
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V I E F F G G A I V V R R E V P A L L L A G Q S D V K N L I R R D V L A S D L L L E H H G D T A
S M N P G P A T T I A V R R A V P A L L L A Q G D I E S L A R A V L R D L A Q V L G S S
E L A S P P T T L Q V R R A V P A T L L A R A D A D T E S L V R R D V L A D D L V A F G G E S R
D I A S P P T T L A V R R A V P A T L L Q Q A D A E A L R D V L A D D L H A F G G E R
G I E F G G S A I A V R R E T P A I L L G P V N A A A L I R R D V L D E L L A D S G D S
D V A P S A R T L A V R R A V P A T L L A Q G D P V E L A R R D V L A E L L A Q H G D S
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E L Q V D H G R V T L R A V P L P L R R Q Q N L Q K L I P E L L L G Y I A D P K A M
E L R S G G A T L V R R S V P V L L A G G D S E A L I R R D V L A D L L E H H G L S
V I E F F G G A I V V R R E T P A L L L G T A D V P A L I R E D L A E D H A A E W D D A
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V I S F G P G A V V V R R E T P A L L L G D D D V Q G L V R R D L A D D L A E H G A S
I V E F G A G A V V V R R E T P A M L L G D D T D V Q G L I R R D L A D D L A S E H G Q S
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I L E V S H N S I V V R R E T P A S L L I R A N I E K L V S E V L R D F A D R E Y E S G
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E L P D G Q H V T L R A V P L P L R Q Q N L Q N L I P D L L G Y I A R Q Q D V
A L E F G P N A V L V R R A V P A A L L A K G D P A R L V A D V L A D D L A H H G D A
T A E A G P E T L V V R R E I P A L L A R G A D V E A L V R D V L S D I V T H G S S
Q M R P G P T S I A V R R S V P A I L L A R G D I E T L A R A V L R D L A G V G V S
V I E F G A G A V A V R R S V P A L L L G E M N I Q G L I R R D L A D D L A E H K E R A
E I D L G P K L V V R R S V P A L L L G G V D V A E L V R R D L L S E L A H R E T A
E L E F G P G A V V V R R G V P S L L L G Q A D V P G L V Q D L A D A L A E W D D A
S M E F F G P Q L K V T A V P S M L L G E T N V Q Q L I R R D M I A D F A V V G E S
E I E F G P G A V A V R R E T P S M L L G E T N V Q Q L I R R D L A D E I A E M D Q A
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E L E F G P A A M L V R A V P A M L L G D G D V R G L I E D L A D E L A A Y D E A
A I S F G P G A V A V R R E V P A L L M G K A N A A S L I R R D L A E H M A W D E A
E I R S G P E T I V V R R S V P A L L M N T D M E T L I R R D V L A D L I T H G E R
E I E F G P D K I V V R R R H P S L L L K P K N L E E N L I R R D V L A D L I T H G E R
Y L E F G P G A V A I N E T P A L L L G G Q T D I E G L V R R D L A D D L A E W D N V
E L E F G P Q A V L V R R S V P A L L L G G S D A K G L V T D L A D E L A A F G E S
E F A I D A R H V T V R A V P L P L R Q Q N L Q N L I P E L I G Y I A Q Q T D N S
N I E F F G G N S I V V R R E T P A I L L G E V N A K K A L I L D I L D E L K D W S Q S
V V E F F G H G A L V R R E T P S A L L A G G R I K A L V Q D V L A D A L A E W G E R
D I T L S P T T L A V R S V P V L L K N A D A Q T L A R D V L R D V R E F G G E R
Q L D P S R G S L T I K A V P A M L L A S A D A V A L V R R G V L A D L E R E F G A T
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I L E F G E G A V M I R R E V P A M L L R Q K L D V H G L V R R D L A D D L A E L D E A
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V V R V S P T S V A L R A V P P L L A S G D L E A L L R D V L D D E A Q G H V E
E L D A G P E T T L L V R R Q V P V V L A G N A D V E P L V R R G M L D D E A Q G H V E
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E L Q P E G D H V T L R A V P L P L R T Q N L Q I L I P E L L L G Y I A R Q Q G E N S
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QUERY UniRef90_UPI0003A61F63 UniRef90_A9BN65 UniRef90_Q0VME5 UniRef90_U7FLE3 UniRef90_B0SWX9 UniRef90_A0A059IKC0 UniRef90_Q1YRY9 UniRef90_UPI0004763ABC UniRef90_B2SD15 UniRef90_V5B267 UniRef90_H4F181 UniRef90_G2DD62 UniRef90_W1N512 UniRef90_M3GA44 UniRef90_G7Z1Q0 UniRef90_J0AYK0 UniRef90_UPI00037BEA6C UniRef90_U3QUW0 UniRef90_V7EJU0 UniRef90_A0A024IGZ9 UniRef90_B7RW30 UniRef90_L0M9W3 UniRef90_G4SZB8 UniRef90_UPI000372337D UniRef90_UPI00046F1AEE UniRef90_E5AMA3 UniRef90_I0QTJ3 UniRef90_A0A021XEA9 UniRef90_UPI0003627A11 UniRef90_A0A016XLF4 UniRef90_B2VCU8 UniRef90_Q2YVY5 UniRef90_UPI0003699C11 UniRef90_K2DW94 UniRef90_UPI0004210EF1 UniRef90_A0A059FG04 UniRef90_A0A014PTZ8 UniRef90_Q2G6F7 UniRef90_K2HKT6 UniRef90_R4XTE9 UniRef90_UPI00037F3766 UniRef90_UPI000479925B UniRef90_UPI000419AF99 UniRef90_UPI000463CBD6 UniRef90_H0HUX1 UniRef90_UPI0003B66C6F UniRef90_UPI00047A0156 UniRef90_A3YHG8 UniRef90_UPI0003B337FF UniRef90_Q07RR2 UniRef90_V5C0J0 UniRef90_B6J016 UniRef90_G4RB08 UniRef90_M4S5K6 UniRef90_UPI00037964F9 UniRef90_E0Y0F3 UniRef90_I4YPJ8 UniRef90_UPI00035CD3CE UniRef90_C1D5X3 UniRef90_UPI00041KA87 UniRef90_UPI0003B720E2 UniRef90_UPI000475D69A UniRef90_J7GD91 UniRef90_Q5NQM6 UniRef90_I7Z991 UniRef90_UPI000469FE64 UniRef90_UPI0004687820 UniRef90_Q1YH01 UniRef90_UPI00046E9264 UniRef90_A0Z0Q4 UniRef90_E1SFK7 UniRef90_UPI00041NGS1 UniRef90_UPI0003602C21 UniRef90_Q28JZ8 UniRef90_C7RTF8 UniRef90_UPI0003708094 UniRef90_UPI0003660DAE UniRef90_R6JRY4 UniRef90_UPI0003B72F4C UniRef90_G4QBK6 UniRef90_V5SB58 UniRef90_K8CTG5 UniRef90_W0SGN1 UniRef90_UPI00035DED09 UniRef90_A3STM8 UniRef90_UPI0003686085 UniRef90_N9WCX2 UniRef90_Q5FRI3 UniRef90_UPI0004790640 UniRef90_R5RAY5 UniRef90_W6LQ72

130 140 150 160

E P G N I A Q W L A R N L M S E H A Q W S M A Q A I T L L A D V E R L C P Q L V
D N E L L S T M A C H G S V R A N R R R L T L T D E E M N A L L R D M E R T C C N N H H G R
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E D E L L S T M A C H G S V R A N R R R L T L T D E E M N A L L R D M E R T C C N N H H G R
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UniRef90_B4F203	T F G	R V L	A I Y Q K Y A L	I E S S Q G L G L A	L E A A D F L K C A Q L
UniRef90_V4Y310		R V V	G G Y R E R Y I L	C E A D D L L V V	D D Q H H A A H E R V N Y E E R L
UniRef90_K6E490		I	G Q M H G T Y I L	A Q N E K G L Y I V	D D Q H H A A Q E R I K Y E E Y F
UniRef90_J9CK68		L G R	P A I A Q I G G I Y V	A E N A K G L Y I V	D D Q H H A A H E R I T Y E E L
UniRef90_F7NPD2	N S L	L E A I	C Q I G E S C Y I V	A R G P E G L Y I M	D D Q H H A A H E R I L F D R L
UniRef90_R7F9X5		K F I	G I V F N T Y I I	F E M D D E M Y I M	D D Q H H A A H E R I M F E K V
UniRef90_UPI00029AC2DE		R Y L	V Q I H D T Y I L	A E A E D G F Y L V	D D Q H H A A Q E R C K Y E E Y F
UniRef90_D5XFC4		P L G	R Q I D C T Y I V	A Q G R E G L Y L I	D D Q H H A A H E R I L Y E K N
UniRef90_A0A017SZK4		R F A	A Q V R A T F L V	C E G A D G L Y F L	D D Q H H A A H E R V T F H R L

UniRef90_UPI0004190CF8 A L I K N G S L V V Q P L L V P T I I D I D D L A Y Y I E N K E V F K N A G F
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UniRef90_G2TMI6 R E K V G E V E V Q E M L V P L T L E Y A T D E A I K I Q E N L D A L K E V G V
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UniRef90_Q5GSP0 K K Q K S I I K R Q K L L S E V V T N Q A G M E M V Y I Q K L F E M G F
UniRef90_V9HG68 L K E E G D I V V Q Q L L V P T L I D L T T D D F C Y Y E E N S K V F T M A G F
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UniRef90_UPI0004708B0B K F G N P A E A S Q E L L V P L T L E F T A I E A A K L A D R L P Q L E A Q A G V
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UniRef90_S0FS13 K I K Y E E N T T Q L L L E P A V I Q F Q P L E L N E I R G R Q E M L N K I G F
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UniRef90_J9CK68 K K Q A Q K L T V Q P A L T P Q V F R V S A L E L S T F E A F R E R F E A L G F
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	90	100	110	120
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UniRef90_D5RHC0	E I E F G G A T S T L A L	R S L V P A L L L G N S P D L P A K S P L L R D L L	C A G E L A E W E E S	
UniRef90_K1ZZ78	V E E V S P A T E L V V V	R E V V P A N L L K X S S D L K K S L L R D L L	A G D S L V Q E T E S	
UniRef90_R6NP72	E I E F G G A T S T L A L	H A V V P A N L L K X S S D L K K S L L R D L L	A G D S L V Q E T E S	
UniRef90_R9IQS7	E M E F G G G K E Y A V T	S A L P S N L F G V N G Q E L V I E I L	D S L A S E T E P Q M	
UniRef90_UPI00047E82F9	N I E F F G G H E Y A V R	A L P L D L F G G E N E K T M F T E L	D D S L A S H E T E R G L I	
UniRef90_W9A8S9	F F E F G G G H T Y V I	R S H P N W F P K G F E E E V I R E M M E	D E Q I L A M A D E R I G I	
UniRef90_K8E4S4	F L E F G G Q N S F L V	R S H P V W F P N R G Q E E E I I K E M I	D L L L E A Q T G G S I	
UniRef90_I0HP78	D V A P S A T T F L V V	R S R P A A L Y P D D A D V A E L A R S V L	A E S L E T A D G R S M	
UniRef90_R6QJM6	T I E F G G G T S F L V	R Q V P A N L Y G L K E K E L F M E L	D S L E T A D G R S M	
UniRef90_C5VST3	S L E F G G D N T I S I	R E A P M L L L G K V S T K N F F L E I L	D N I K N M G K G G	
UniRef90_W9E0Q32	M L E F G G G H D Y L V	S S Y P V W F P K K D E V E E I I K D M I	E L L L S E E K K V	
UniRef90_Q1JVP7	V L E F G G G T S W A V	K A V P A Y I E K K D I K T M V C	M L E L L S S V G S S	
UniRef90_D7MZU0	E L S M G G N T L A V	R A V P A M L L G K A D V V S L A K D V L	G E L A S Q V G S S	
UniRef90_R5WF09	T L E F G G D R E Y F I	T G L P A D F L N I P S K E L F L E M L	D S M L E A Q G P E L	
UniRef90_H7F3G5	F L E F G G Q N S F I	R S H P T W F P K G E E A T I I R E M I	D D E A L H A G P N I	
UniRef90_UPI0002491118	H V I E F G G Q N S F V I	N T H P T W F V P G G Q E E E S T I R E M I	D Y V L N D K S K I	
UniRef90_F5LK56	Y L E F G G Q N S F L V	R A Y P H W F P A G Q D E Q A L V E E M C	E W L T E R K G V I	
UniRef90_H1LJP1	H L E F G G Q N S F L V	R E H P M W F K A G Q D E S V I R E M I	E E V K N N K R G I	
UniRef90_UPI0003B49D45	F L E F G G Q T F R V	H A H P T W F P A G Q D E S V I R E M I	E E V K N N K R G I	
UniRef90_UPI0004728FOC	E I E F G G E G T L A L	R A V P H G L R E A Q I G P A L Y E L G	D D Q L Q A A G G S	
UniRef90_B1R0E4	I E E F G G G T S L A L	K E V P Y F L G K L N P K K L F I E L	D D L L K N L G G S	
UniRef90_W7Z6K3	F L E F G G K N T F V V	R A H P T W F P K G Q D E E E T I K E M I	E Q L L S N R K L L	
UniRef90_B2GB18	K L E F G G Q N S F M L	A S H P T W F V A G Q E E A T T A R E M I	D Q W V L A S G K L	
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UniRef90_UPI000371E4A8	D M D A G P E Q M R L	K E I P S D I P V G E A E A I R E I L	E S L Q N N M Q E I	
UniRef90_UPI0004635CB2	E V E F G N N S H I M V	R S V P T I F G T P E A E K F I L Q I I	V R N L K N N Y D S	
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UniRef90_R7P791	K I E F G G N T I C I	K S H P T W L R E N Y E Q D N I K Y I V	D L V L E N K N F T	
UniRef90_C6JNY1	E I E F D D E N E V I	R S V P V M N F R D S T E N Q L I E K N I	I K N T I K E N K T	
UniRef90_R7HEL7	E I E F D D E N E V I	R S V P V M N F R D S T E N Q L I E K N I	I K N T I K E N K T	
UniRef90_UPI000426C62C	Y L E F G G N T F I	R A V P H W L P K G E E A D I V R E M A	E W V L G E R S T V	
UniRef90_F2NHR2	E L E F G G N T F I L	R T V P T C L S G Q D L E E S L A P E M I	A E L S D G H R Q I	
UniRef90_B9EB15	H L E F G G N D Y I	N D L P V W F P D N Y E E T V Q E L I	D Y A L Q G H R Q I	
UniRef90_H3NFN1	F L E F G K N T F V L	N S H P S W F I H G Q E E A T V K E M I	D F L L D K K E L	
UniRef90_Q5GSP0	D I Q F G N K T V L	K E V P A I L G T I D V K E M L T D I V	D R L M E L E D M	
UniRef90_V9HG68	S L E F G G N T L A I	K E V P Y F L G K L D P R N L F I N I	D N I K S L G E V	
UniRef90_F7XKR3	S E F F G P S T Y A V	N A V P G V S D A L L E D P A V I P D I	S D I L S A G S R I	
UniRef90_R5P3C1	D I E F G G N S F K I	N A V P S N L F G L H G E R D M F L E F V	G S L I Q N S D I	
UniRef90_C2ETT5	H L E F G G P N S F I	R S H P T W F A E G Q E E A T A K E M I	E W L I N D N G K I	
UniRef90_UPI000369B0FD	R V I E F G G T S F V I	K A V P V L V I E E K D V G A M V V I E M V	E K I S D K D D W	
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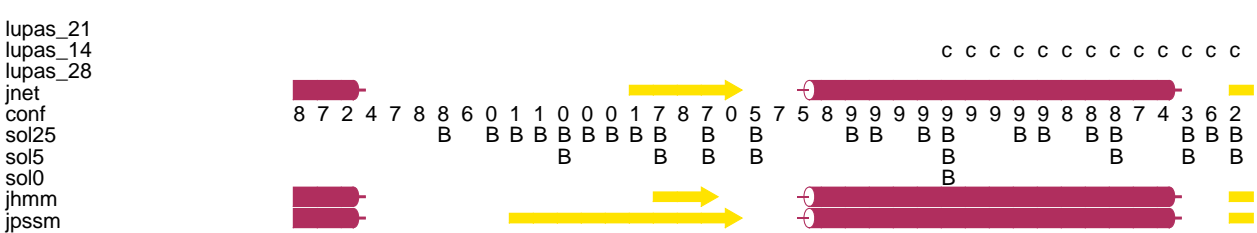
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