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

QUERY	90	100	110	120
UniRef90_W2E9C7	GMSWYN	QIYAPV	KVLLD	SSNGSS
UniRef90_UPI000288A3B9	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_W4QHH8	GVSWSYNI	LPIVKK	VLLNDD	SSNGSS
UniRef90_J8Q5T6	GVSWSYNI	LPIVKK	VLLNDD	SSNGSS
UniRef90_E3DUP2	GVSWSYNI	LPIVKK	VLLNDD	SSNGSS
UniRef90_E6U091	GVSWSYNI	LPIVKK	VLLNDD	SSNGSS
UniRef90_Q45467	GVSWSYNI	LPIVKK	VLLNDD	SSNGSS
UniRef90_G8N4J8	GVSWSYNI	LPIVKK	VLLNDD	SSNGSS
UniRef90_UPI000303F393	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_X4ZFW7	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_B9W071	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_S2XMW6	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_B1WVF1	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_R4FDP3	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_C4PKM8	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_UPI0003458B56	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_B2J1U9	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_UPI00041ADBC1	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_B1WSR0	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_B2A7K0	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_B7GM88	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_K4M7H8	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_L5N7G7	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_Q31A51	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_A9WJW6	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_F4XUF7	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_A7GQR2	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_K9YXC4	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_UPI00018513CA	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_UPI0002D607F9	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_UPI000288BDF0	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_UPI000378A621	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_D2PV43	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_H1XW80	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_C6Q0J0	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_B1XM89	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_UPI00038272CA	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_U2CYK6	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_UPI00037ACD02	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_E0ICG3	GVAPEAQ	ILYAVK	KALLD	SSNGSS
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UniRef90_W4RR91	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_S2XJU9	GVAPEAQ	ILYAVK	KALLD	SSNGSS
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UniRef90_I2F4L2	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_A4WMI5	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_A8F8V7	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_F5SEY8	GVAPEAQ	ILYAVK	KALLD	SSNGSS
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UniRef90_I0GKY7	GVAPEAQ	ILYAVK	KALLD	SSNGSS
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UniRef90_H9UD26	GVAPEAQ	ILYAVK	KALLD	SSNGSS
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UniRef90_U2VJH6	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_UPI0002FFECB2	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_UPI000370323C	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_UPI00031191FF	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_D3SV39	GVAPEAQ	ILYAVK	KALLD	SSNGSS
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UniRef90_W6N776	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_H2JX93	GVAPEAQ	ILYAVK	KALLD	SSNGSS
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UniRef90_F5L997	GVAPEAQ	ILYAVK	KALLD	SSNGSS
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UniRef90_L0JFG4	GVAPEAQ	ILYAVK	KALLD	SSNGSS
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UniRef90_K9TQT2	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_L9WBU6	GVAPEAQ	ILYAVK	KALLD	SSNGSS
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UniRef90_B1YEX1	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_UPI000185124F	GVAPEAQ	ILYAVK	KALLD	SSNGSS
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UniRef90_X2GU21	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_D5EQJ9	GVAPEAQ	ILYAVK	KALLD	SSNGSS
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UniRef90_K1VWL7	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_B2IT99	GVAPEAQ	ILYAVK	KALLD	SSNGSS
UniRef90_D9TRM6	GVAPEAQ	ILYAVK	KALLD	SSNGSS

QUERY UniRef90_W2E9C7 UniRef90_UPI000288A3B9 UniRef90_W4QHH8 UniRef90_J8Q5T6 UniRef90_E3DUP2 UniRef90_E6U091 UniRef90_Q45467 UniRef90_G8N4J8 UniRef90_UPI000303F393 UniRef90_X4ZFW7 UniRef90_B9W071 UniRef90_S2XMW6 UniRef90_B1WVF1 UniRef90_R4FDP3 UniRef90_C4PKM8 UniRef90_UPI0003458B56 UniRef90_B2J1U9 UniRef90_UPI00041ADBC1 UniRef90_B1W5R0 UniRef90_B2A7K0 UniRef90_B7GM88 UniRef90_K4M7H8 UniRef90_L5N7G7 UniRef90_Q31A51 UniRef90_A9WJW6 UniRef90_F4XUF7 UniRef90_A7GQR2 UniRef90_K9YXC4 UniRef90_UPI00018513CA UniRef90_UPI0002D607F9 UniRef90_UPI000288BDF0 UniRef90_UPI000378A621 UniRef90_D2PV43 UniRef90_H1XW80 UniRef90_C6Q0J0 UniRef90_B1XM89 UniRef90_UPI00038272CA UniRef90_U2CYK6 UniRef90_UPI00037ACD02 UniRef90_E0ICG3 UniRef90_D9SMB6 UniRef90_J2AVB6 UniRef90_W4RR91 UniRef90_S2XJU9 UniRef90_M1ZKN0 UniRef90_UPI00040646AA UniRef90_W5XJJ0 UniRef90_I2F4L2 UniRef90_A4WMI5 UniRef90_A8F8V7 UniRef90_F5SEY8 UniRef90_B5UZ27 UniRef90_S3FZ94 UniRef90_UPI0003789DEB UniRef90_F6K0V4 UniRef90_C3AKP0 UniRef90_I0GKY7 UniRef90_UPI0003742F87 UniRef90_H9UD26 UniRef90_UPI000471DB67 UniRef90_UPI00037694B2 UniRef90_E3FGJ0 UniRef90_UPI0002628C12 UniRef90_U2VJH6 UniRef90_UPI0002FFECB2 UniRef90_UPI000370323C UniRef90_UPI00031191FF UniRef90_D3SV39 UniRef90_UPI000225AE24 UniRef90_Q8RLP2 UniRef90_W6N776 UniRef90_H2JX93 UniRef90_K9VZ23 UniRef90_UPI000477ADCA UniRef90_F5L997 UniRef90_A7VM14 UniRef90_UPI00028A19E3 UniRef90_L0JFG4 UniRef90_UPI00036AFEA1 UniRef90_K9TQT2 UniRef90_L9WBU6 UniRef90_I3R1U4 UniRef90_B1YEX1 UniRef90_UPI000185124F UniRef90_UPI0002E9AC27 UniRef90_X2GU21 UniRef90_D5EQJ9 UniRef90_B0JT18 UniRef90_K1VWL7 UniRef90_B2IT99 UniRef90_D9TRM6

130 140 150 160

N L S L G S P S P S A T L E Q A V N S 140 S R G V L V V V A A S G N S G A G S L S
N L S L L G T N Y A S S S M F L H D A V I N R Y A T S R K D V V L L I A A S G N D D G N T N G E S Q P S G
N M S L L G T D Y S S D S Q D L L Y D A I M D R K A Y E K Q D V V L L V A A S G N D G N D N G E K P P S
N M S L L G D Y Y H S D A L H D A V I K Y A Y D N D V V I I A A A G N D S G N V S D D G V P M
N M S L L G G S P Q G S T A L K A V V D K A V S Q D I V V V I A A A G N D S G N V S D D G V P M
N M S L L G G S T G S S T I L K Q A S D N A Y N S G I V V V I A A A G N D S G S T N T I G
N L S L L G N Y Q P S S V L E E A I R Y A A S K H D I V V L V I A A A G N D S T S Q A S
N L S L L G N Y A D S Q F L H D A V I K Y A Y D R D V L L V S A A G N D S T S E R P G
N M S L L G G P S S T A L K N A V D T A N N K G I V V V I A A A G N D S S T S T L S
N L S L L G G S Y T Y A M D Y A T Q Y A K A K D V V L I I A A A G N E R S S Y E L S
N M S L L G G G G A S Q M M E D A I I N Y A H E K G V V I V A A A G N E G R S S A S
S L S L L G G N Y S S E A L L Y E A I I K K A Y E K I L L V A A A G N D D D T P V L
N L S V L G N Y T S S E A L L Y E A I I K K A Y F D H N V V L V A A A G N D A T N G S S P S
N M S L L G G G G A S H M I E E A I I K Y A H S K G V V I I A A A G N E N G R N S Q S S
N M S L L G G S S G S T A L K M K E A I I E Y A H R K G V V V I A A A G N S E N T S T G A S
N M S L L G G S S G S T A L K M K Q A V D N A Y A R G V V V I A A A G N S S G S N T I G
N M S L L G G G G E S Q V M K D A I I D Y A Y D K G V V I I A A A G N D S N Q N A A S
N M S L L G G M S Q Y S T A L E E V C D E A Y Q E D I L V V A A A G N E A T P D T I N S
N M S L L G G Y F S S P L L E E A V D K A I D A G I T V V I A A A G N E A T D M Y S
T M S L L G G T S S S S T L Q S A C D N A Y N K G V V L V G A A G N S E G T G A V I
N M S F G G F Y N D P A V Q E K L L E A Y D A G I T L V A A A G N S E E T N A P A
N L S L L G G G A P N S D Y L D A L K Y A A D N G I V V V A M A S G N S A S
N L S L L G G T L A S P A L H E A V I R Y A T E R G V V L V A A A G N S A S E G N A A P N
N M S L L G G A G E S N L M A Q E A I I D Y A Y H K G V V L V A A A G N D S N Q N T R P A A
S L S L L G A T N G G T A L Q A A V Q Y A W N K G A V I V A A A G N D S G N T R P A N
N L S L L G G L G D S H I M S E A I I K Y A N E K D V V I V A A A G N S T G N S A A
N M S L L G G S F P P S D L L D S A I I Q Y A V E S G V V V V A A A G N T G S N Q K E
N M S L L G G S P E P S R A I L Q D A V D I A F N H D L L V V A A A G N E G N N T V G
N M S L L G G G Y N Q S M D E A V Q T A V A Q G T I V V A A A G N D G A S T I S E
N M S I A F P Q R S N P A V E Q M I K A T A D A K G I L L I A A A G N D G T D T I E
N M S L G G R S Y N P A V M H D A V K A V A K G I V V V A A A G N E Y D S V P E
N M S F G G D V K V S T L F R D V L R F L W E K G I T F V A A A G N E G Q P Q I Y
N L S L L G G C D E A S T D I E N E A I I Q Y A R N K G S F I V A A A G N D N K D A
N L S F G G A G A S Q L M Q E A I I D Y A Y R K D V V I V A A A G N A N K N A A
S M S L L G G P E D V P A M H E A I I K A V A Q N I L V I A A A G N E G D D E A A G
N F S V G F D V K D E F I R Q A L I R Y A R T K G S F V V A A A G N N T N C D N
N V I S L T P U I 0 0 0 3 7 A C D 0 2 N V I S L T P U I 0 0 0 3 7 A C D 0 2 N V I S L T P U I 0 0 0 3 7 A C D 0 2 N V I S L T P U I 0 0 0 3 7 A C D 0 2
N M S F G L M P Q S T A L Q E A I I Q N A Y K K G V V I V A A A G N S G A F S I D
N L S L L G T G K D D A T A L K T G A V D Y A V S K G C L I I A A A G N L G F Q G V N G
S M S L L G G S A A P T A L Q T I C N L A W T R G L L I V A A A G N A D P S N V G
S M S L L G G P A D V P E L H K A I I Q A A V K K N I L V V A A A G N E G D N E F A
M S L L G G G H S S Q A V N R L S E E T G A L F V I A A G N D G S E G
M L S L S D P S D S S K D M E D A V R Y A E G K G V L L V A A A G N N G E R V S
S M S L L G G P S D D K D L H D A I K L A V S K N I Q V V A A A G N E G D G D D G
S M S I L G G P D S Q P E H D A I D A A W N K G I V V V A A A G N S N T N S K S
N M S L L G T S S D M Q S L E D A C N A A F A D G L L I V A A A G N S G N D T V E
S M S L L G G P S D S S V L R D A S Y W A Y Q Q G A V Q V A A A G N S G D D N V S
S N S W G G K G Y S I T L A H T I A Q L M S Y G G L F V A A S A G N H T D E I H
N M S F G M P K V S D T L R H E A I R T A H R Q G I T M V A A A G N Q G D N G N V D
N L S L L G S L K K S D D L R R I I K K A N K Q G I I L V G A A G N Y Q G D N D S E
N M S L L G G G E S R T M G Y M L K Y A Y D R G V V V V A A T G N D G D S V S
I S M S L L G G P A D E R K E H A L I K E A V E N N I L L V V C A A G N S G D D E L D
S L S L L G G T V G N S G L Q Q A V D Y A W S K G S V V V A A A G N A G N T A P N
S M S L L G G P Q D V P E L H E V I Q H A V K Q D V L V V C A A G N N G D C S D D
N M S L L G G S Q G S T T L Y N A I K Y A Y N K G V V I V C A A G N D G P L V S
S M S L L G G P T S Q A V N D L T A E T G A L F V I A A G N L G G K E T V S
H S W G G W G Y S Y T M K E A F D Y A M E H G V I V M V S A G N N T S D S H H
N M S F S I E R D N P Q L K H S I K K A I D S G I I V V A S S K N S Y G G T V G
N L S L S T G E E A A V T N A I S Y A R G K G V V V V A A A G N G S G S P V S
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N L S L L G G E Y P N G T L Q K A I E Y A S K N V I V V M A A G N D G K S L P G
N M S L L G A E A R Y S S A A M Q E A V A A G M L I V A A A G N E S A A N P N
S M S L L G G E S E S E A V A E A I E T A H S A G H L L L A A A G N E G N N G M T
N L S L L G C D C S T T L Q N A V N Y A W N R G S V I V A A A G N D G V S T T F
N M S L L G G G E S R T M A Y M M K Y A A D R G V T V V A A A G N E Y D S T V G
N L S F G G K G L A P E I D S A I Q Y A K S K G S F V V A A A G N D A D V K D
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N I E W G C D R I D Q R D L P N L Y H D G S G A H V Y I D T G L R H S H V
A T W G L D R I D Q D G S Y T Y N S T A S G V K V Y I I D T G I N T H S N
P W N I T M I G A D R A W L G V T G A G V T V G S S D S G V D R S Y P T
M N V Q A A W R R G Y T G K N V V T I L D D G I D S Y A S
T W G L K A T R A I H S S R T G S A M K V A V L D T G M D Q H P D
A R D E Q W Y Q K S L R L A D A H Q V S L G G A G V V V A V I D G G A D T H P K
Q W D M R A I Q A P E A N K I S G S R S V T V A V L D S G I E T H P A
W E L P A M S V P A A H A L S Q G E G V T V A V I D T G I R T H P E
I N V T G V W L G I T G K N V T V A I V D N A L D Y T N N E
S A P W G L D R I D Q T N L P L S G T G G G A T V A V L D T G V R T H Q E
D Q Q W H L N D V N V T G L W K E N I T G Y G V V A A L V D D G L D Y E N N
L N I L P A T W D R S L G A G V R V A V I D T G Y R P H A D
M N I V G A W K R G Y T G K N V V T I L D D G I D S Q A S
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G V A K K A K I I S V K V F Q G D S A D L S V I M T G I E W A V N D I K V I
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G V A P S A T L A A V K V S N A D S C M F Y P E Y V V C G F D W V T T H G I D I T
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G V A P D V D L L A A A V T E S E T V T S L A R I V A A L D W R V E N Q D K P M
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S M S L G G G G E I N D G I E S P E N F Y V N G V T F A I A A G N E G P T T N T
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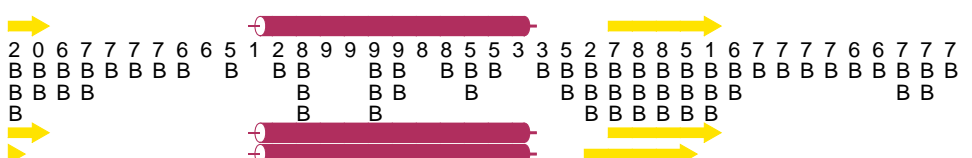
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