

QUERY UniRef90_UPI000333C9C1 UniRef90_UPI0003ACAA9C UniRef90_UPI0003ACAA9C UniRef90_UPI0003336739 UniRef90_UPI00032920F1 UniRef90_UPI0003314D76 UniRef90_UPI00045DADD7 UniRef90_UPI0002C44046 UniRef90_UPI0002BD0D6C UniRef90_Q6ZN66 UniRef90_UPI00027FBD0E UniRef90_F1S4D7 UniRef90_UPI0003ACBF57 UniRef90_F6PPP4 UniRef90_L5LLE8 UniRef90_F6Q015 UniRef90_UPI0003C11D7C UniRef90_UPI0003C11D7C UniRef90_UPI000328E8C4 UniRef90_UPI0003C81E7F UniRef90_UPI00038C0408 UniRef90_UPI0003F11B1B UniRef90_UPI00038ED2E3 UniRef90_K9K310 UniRef90_UPI00046B18BA UniRef90_UPI00046B3BAC UniRef90_D3ZQL3 UniRef90_UPI00027F6EC8 UniRef90_UPI0003FOAD9B UniRef90_S7MQ44 UniRef90_UPI00038EAD9C UniRef90_UPI000273F902 UniRef90_UPI000273F902 UniRef90_M3WFW3 UniRef90_G1TDB6 UniRef90_UPI0003288175 UniRef90_UPI0002C44F60 UniRef90_UPI00038F0563 UniRef90_L9LDB1 UniRef90_G5BGF7 UniRef90_G1PXY5 UniRef90_UPI0003332637 UniRef90_UPI0003F11CA6 UniRef90_L9LCH7 UniRef90_G3SLQ9 UniRef90_H0XE54 UniRef90_F7DGL9 UniRef90_UPI0003347A1C UniRef90_UPI000333BFB9 UniRef90_F7H9U2 UniRef90_UPI0003336DA8 UniRef90_UPI0003346B5F UniRef90_MORB42 UniRef90_G5BGF3 UniRef90_B2XWS2 UniRef90_UPI00046B37A4 UniRef90_UPI00038ECB76 UniRef90_UPI0003D0775F UniRef90_UPI0003D0775F UniRef90_UPI00046B67F9 UniRef90_UPI00038C22DB UniRef90_UPI000383B0E9 UniRef90_UPI0002BCD28C UniRef90_E2R9Y3 UniRef90_G3IGX6 UniRef90_G3IGX6 UniRef90_UPI0003F1373C UniRef90_UPI0003C87686 UniRef90_Q0I127 UniRef90_UPI0003D0E836 UniRef90_UPI0002BCD3CF UniRef90_UPI00042ABF97 UniRef90_UPI00038C17AC UniRef90_UPI00044457F2 UniRef90_UPI00046B75F2 UniRef90_UPI000328C95B UniRef90_UPI000388E51F UniRef90_UPI0003597616 UniRef90_Q01514 UniRef90_UPI0002C65DCC UniRef90_L5MJU5 UniRef90_Q9H0R5-4 UniRef90_UPI0003F174AD UniRef90_UPI00046BDDD0 UniRef90_UPI00038BFB1D UniRef90_UPI0003288308 UniRef90_F1S4E0 UniRef90_HOWNQ3 UniRef90_UPI00038BCFAA UniRef90_UPI00046B5418 UniRef90_UPI00032AFE87

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

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90 100 110 120

A I E V F R S S F F K D V D H H L F Q K K E L A A Q L E E K K R D D F C K Q N Q E A S S
A I A V F M K N S F F K D V D H H L F Q K K E L A A Q L E E K K R D D F Y Q Q N Q L E A S S
A I A V F M K N S F F K D V D H H L F Q K K E L A A Q L E E K K R D D F Y Q Q N Q L E A S S
A I E I F M K H S F F S D L D D Q V F Q K K E L A A Q L E E K K R D D F C C C C K Q N Q L E A S S
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A I A I F M E H S F F K D E N Q Q E F Q K K E L A A Q L E E K K R D D F C C C C K Q N Q L E A S S
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A I A I F M E H S F F K D D D N Q V F Q K K E L A A Q L E E K K R D D F L L L Q N Q L E A S S
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A T E V F M K N S F F K D D D Q G Y Q K K E L A A Q L E E K K R D D F H H K R N Q L E A S S
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A I K V F M K N S F F K D V D H H L F Q K K E L A A Q L E E K K R D D F C C C C K Q N Q L E A S S
A I E I F I R T S F F K D E D H A F Q K K E L A A Q L E E K K R D D F C C C C K Q N Q L E A S S
A I E V F M K S S F F K D V D Q K F Q K K E L A A Q L E E K K R D D F C C C C K Q N Q L E A S S
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A I A V F M E H S F F K D E N Q Q E F Q K K E L A A Q L E E K K R D D F L L Q N Q L E A S S
A I T V F M E R S F F K D E N Q Q E F Q E Q F M N I I E K K K E E F L L Q N Q L E A S S
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A I E V F T K N S F F K D V D Q L F Q K K E L A A Q L E E K K R D D F C C C C K Q N Q L E A S S
A I S V F M E R S F F R D E D G K F Q K K E L A A Q L E E K K R D D F L L Q N Q L E A S S
A T T I F M E H S F F R D D T R E F H H Q L M A A I E K K K E E F L L Q N Q L E A S S
A T T I F M E H S F F R D D T R E F H H Q L M A A I E K K K E E F L L Q N Q L E A S S
A I R V F M E H S F F K D E N Q Q E F Q K T L V E T I K D K K Q H F L Q N Q L E A S S
A I E I F I K N S F F K D V D H S F Q K K E L A A Q L E E K K R D D F V L L Q N Q L E A S S
A I A V F M E H S F F K D E N Q Q E F Q K M L V E T V K K K E E F L L Q N Q L E A S S
A I A V F M E G S F F K D E N Q Q E F Q K M V K T I Q E A M K E D F L L Q N Q L E A S S
A I K I F M K N A F F K D V D H S F Q K K E L A A Q L E E K K R D D F Y N Q N M K V S
A I E I F I K H S F F K D V D Q Q F Q K K E L A A Q L E E K K R D D F Y K Q N M K A S
A I E I F M E C S F M D E N Q Q G F Q E K L M G T I E E K K E Y F L L Q N Q L E A S S
A I A V F M E H S F F K D E N Q Q E F Q K N L V I T T E E M K E G F L L R Q N Q L E A S S
S I A I F L E H S F F K D E N H E F C K K L M E T I V K M R E D F V L L Q N Q L E A S S
A I A V F M E L S F F K D E N Q Q F Q K K E L V I T I E E K K E D F L L Q N Q L E A S S
A V E V F M K N S F F K D V D Q K F Q K K E L G T K L E E K K L D D F C C K E N M Q A S
A V A I F V E H S F F K D D T R E F H H Q L M A A I E E K K E E F M L L Q N Q L E A S S
A I E V F M E S S F F K D E G Q K F Q K K E L G N Q L E E R M N D F C C K E N K M S
A T E V F M K N S F F K D V D H L F H K E S V A K L E Q R R D K F C C E E N L Q A S S
A I T L F M E H S F F K D E D G K F L K E L V K T I K D K K E D F L L Q N Q L E A S S
A I E V F M K N S F F K D V D H K F Q R K L G A Q L E A R R D D F C C E Q N S K A S
A I Q I F M K H S F F K D V D Q E F Q K K L A A Q L E K D N C K T F C E R N K K A S
A I S V F M E H S F F K D D Q R E F Q K M L V E T I Q K K K E E F L L Q N Q L E A S S
A I A V F M E H S F F K D D Q W F Q K K E L T V T V E E R K G A F M E Q N S A S
A M E I F T K N S F F K D E D Q S F Q K K L Q T L L D A K Q T D F C C K Q N K E A S S
A I D V F M T K S F F K D V D Q V F Q N R L M E Q L E A K L D D F C C D Q N M E A S S
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A I T V F M E H S F F K D E N Q Q F Y K Q L V S T I E K K K D D F V L L Q N Q L E A S S
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A I A I F M E L S F F K D D N Q A F Q K K L M G T M E E K G V F L L Q N Q L E A S S
A I D L F K K N S F F K D V D Q K F Q K E L E A S L E A K Q E G I C C K Q N Q L E A S S
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QUERY UniRef90_UPI000333C9C1 UniRef90_UPI0003ACAA9C UniRef90_UPI0003ACAA9C UniRef90_UPI0003336739 UniRef90_UPI00032920F1 UniRef90_UPI0003314D76 UniRef90_UPI00045DADD7 UniRef90_UPI0002C44046 UniRef90_UPI0002BD0D6C UniRef90_Q6ZN66 UniRef90_UPI00027FBD0E UniRef90_F1S4D7 UniRef90_UPI0003ACBF57 UniRef90_F6PPP4 UniRef90_L5LLE8 UniRef90_F6Q015 UniRef90_UPI0003C11D7C UniRef90_UPI0003C11D7C UniRef90_UPI000328E8C4 UniRef90_UPI0003C81E7F UniRef90_UPI00038C0408 UniRef90_UPI0003F11B1B UniRef90_UPI00038ED2E3 UniRef90_K9K310 UniRef90_UPI00046B18BA UniRef90_UPI00046B3BAC UniRef90_D3ZQL3 UniRef90_UPI00027F6EC8 UniRef90_UPI0003F0AD9B UniRef90_S7MQ44 UniRef90_UPI00038EAD9C UniRef90_UPI000273F902 UniRef90_UPI000273F902 UniRef90_M3WFW3 UniRef90_G1TDB6 UniRef90_UPI0003288175 UniRef90_UPI0002C44F60 UniRef90_UPI00038F0563 UniRef90_L9LD81 UniRef90_G5BGF7 UniRef90_G1PXY5 UniRef90_UPI0003332637 UniRef90_UPI0003F11CA6 UniRef90_L9LCH7 UniRef90_G3SLQ9 UniRef90_HOXE54 UniRef90_F7DGL9 UniRef90_UPI0003347A1C UniRef90_UPI000333BFB9 UniRef90_F7H9U2 UniRef90_UPI0003336DA8 UniRef90_UPI0003346B5F UniRef90_MORB42 UniRef90_G5BGF3 UniRef90_B2XWS2 UniRef90_UPI00046B37A4 UniRef90_UPI00038ECB76 UniRef90_UPI0003D0775F UniRef90_UPI0003D0775F UniRef90_UPI00046B67F9 UniRef90_UPI00038C22DB UniRef90_UPI000383B0E9 UniRef90_UPI0002BCD28C UniRef90_E2R9Y3 UniRef90_G3IGX6 UniRef90_G3IGX6 UniRef90_UPI0003F1373C UniRef90_UPI0003C87686 UniRef90_Q0I127 UniRef90_UPI0003D0E836 UniRef90_UPI0002BCD3CF UniRef90_UPI00042ABF97 UniRef90_UPI00038C17AC UniRef90_UPI00044457F2 UniRef90_UPI00046B75FB UniRef90_UPI000328C95B UniRef90_UPI000388E51F UniRef90_UPI0003597616 UniRef90_Q01514 UniRef90_UPI0002C65DCC UniRef90_L5MJU5 UniRef90_Q9H0R5-4 UniRef90_UPI0003F174AD UniRef90_UPI00046BDDD0 UniRef90_UPI00038BFB1D UniRef90_UPI0003288308 UniRef90_F1S4E0 UniRef90_HOWNQ3 UniRef90_UPI00038BCFAA UniRef90_UPI00046B5418 UniRef90_UPI00032AFE87

170 180 190 200

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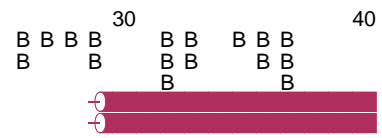
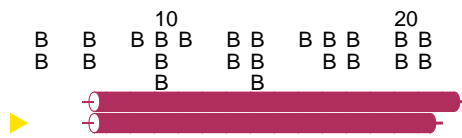
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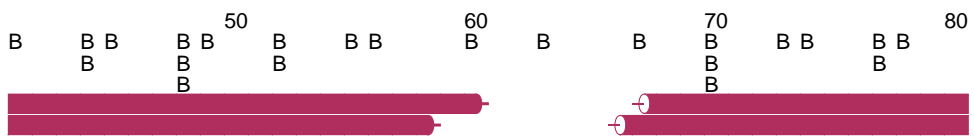

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B



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