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130 140 150 160

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

QUERY UniRef90_UPI0004203F54 UniRef90_Q65K57 UniRef90_U2EB22 UniRef90_M8D2J0 UniRef90_G9QN00 UniRef90_M3CZV6 UniRef90_UPI0003608550 UniRef90_NOAQ61 UniRef90_C6J4U1 UniRef90_H3SIY4 UniRef90_L5MN65 UniRef90_W2ED92 UniRef90_UPI000382F2E6 UniRef90_UPI0003794F98 UniRef90_D3FSX8 UniRef90_UPI0004796982 UniRef90_UPI000417A37C UniRef90_HODKD8 UniRef90_UPI00047203E3 UniRef90_A0A015KMV3 UniRef90_W7Y9F3 UniRef90_X0RDE1 UniRef90_C3AXE9 UniRef90_B1HUP2 UniRef90_UPI00047D7C4D UniRef90_G4HGA7 UniRef90_UPI00046F2EC8 UniRef90_W8YTY2 UniRef90_Q4L719 UniRef90_SOJHE7 UniRef90_P24828 UniRef90_F5LEE8 UniRef90_UPI00040E5273 UniRef90_E0R9R0 UniRef90_UPI0002896EC0 UniRef90_UPI00035C2081 UniRef90_U7PBM0 UniRef90_UPI000289A764 UniRef90_N4WBL5 UniRef90_A6TVW3 UniRef90_W4F9F3 UniRef90_UPI0002894D53 UniRef90_C6CVF1 UniRef90_UPI00040391ED UniRef90_L5NBH1 UniRef90_UPI000366A0C2 UniRef90_G2SMR9 UniRef90_W4DI24 UniRef90_B6G244 UniRef90_R2XN18 UniRef90_H7CY23 UniRef90_UPI00047E3EDD UniRef90_S6ESF7 UniRef90_UPI00040F6EBD UniRef90_UPI00037B600A UniRef90_D7UU54 UniRef90_R5XA90 UniRef90_UPI0002899B7E UniRef90_I4D674 UniRef90_E3PX24 UniRef90_W4F8W1 UniRef90_UPI0002886058 UniRef90_C9XSK0 UniRef90_UPI000371F5EF UniRef90_S1R471 UniRef90_UPI00037D95E6 UniRef90_F7NDN7 UniRef90_N9XUM1 UniRef90_UPI0004209167 UniRef90_A0A011UTU0 UniRef90_UPI0003817AC8 UniRef90_UPI000248C370 UniRef90_G4L6C2 UniRef90_J7Y52 UniRef90_E3GP91 UniRef90_D0GKG7 UniRef90_L0F8S9 UniRef90_K0J7Z3 UniRef90_T1W965 UniRef90_R9LEK7 UniRef90_UPI000375A3FE UniRef90_A6FUS8 UniRef90_G7M8L5 UniRef90_UPI0003FCF5C3 UniRef90_C3L265 UniRef90_C6PMT9 UniRef90_W4BW82 UniRef90_F2GUM0 UniRef90_K0YUV0 UniRef90_E0IAC1 UniRef90_A0A037ZCT8

S V E E A Y I K F I D E V F D I V R I 170 180 190 200
P R E E T A V I D K K L W D A I V F K A T T R V I D S D N H P V V E N W R Q H H D Q Q N L S V Y A Q
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U N I R E F 9 0 _ U P I 0 0 0 2 4 8 C 3 7 0 S P E A A L D A L W E R I F F E A T T R V N A Q D D P I I E A W K E H H N A R L A Q T V S
U N I R E F 9 0 _ G 4 L 6 C 2 T K E Q A V D A L W N E I F F K T A R V D H E D P V V A A W K K H H D D A L E A K A N
U N I R E F 9 0 _ J 7 Y 5 2 S A E E S I E K L W E V I F F Q T T R V D T E N P V I L S W H H T T N L K A R M D
U N I R E F 9 0 _ E 3 G P 9 1 E P E T A V D M L W E S I F F K A T T R A D Q D D P I I A A W H Q F N K S F E A D K T R
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U N I R E F 9 0 _ L 0 F 8 S 9 S R D E A M D K L W G A I F F K A V R A D Q D D P V I K A W E H H K Q N L S R N A M N
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| QUERY | K | L | Q | N | K | N | Y | H | A | 210 | L | H | Y | V | S | E | G | T | D | L | 220 | G | L | A | K | N | H | I | 230 | W | E | D | A | T | S | Y | V | N | G | K | E | 240 | | | | |
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| UniRef90_UPI0004203F54 | Y | L | N | E | K | K | Y | K | A | L | L | H | Y | K | A | P | G | T | D | L | T | T | V | E | E | L | P | K | N | H | I | W | V | G | A | G | S | Y | V | N | G | K | E | | | |
| UniRef90_Q65K57 | V | L | N | S | D | K | H | F | H | A | L | H | Y | Q | K | A | P | G | T | D | L | T | T | V | E | E | L | P | P | E | K | H | I | W | V | G | A | G | S | N | V | N | G | K | E | |
| UniRef90_U2EB22 | Y | L | N | S | K | K | F | H | K | L | L | H | Y | K | A | P | G | T | D | L | T | T | V | E | E | L | P | P | T | S | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
| UniRef90_M8D2J0 | Y | L | N | A | K | K | Y | H | A | L | L | H | Y | K | A | P | G | T | D | L | T | T | V | E | E | L | P | P | T | S | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
| UniRef90_G9QN00 | Y | L | N | Q | K | R | F | H | K | L | L | H | Y | T | A | P | G | T | D | L | T | T | V | E | E | L | P | P | E | N | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
| UniRef90_M3CZV6 | Y | L | N | D | K | K | Y | T | K | L | L | H | Y | T | A | P | G | T | D | L | T | T | V | E | E | L | P | P | K | G | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
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| UniRef90_NOAQ61 | Y | L | N | E | K | R | Y | K | K | L | L | H | Y | K | A | P | G | T | D | L | T | T | V | E | E | L | P | N | D | K | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
| UniRef90_C6J4U1 | Y | L | N | A | K | R | Y | K | K | L | L | H | Y | K | A | P | G | T | D | L | T | T | V | E | E | L | P | N | D | K | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
| UniRef90_H3SIY4 | I | L | N | G | H | F | H | K | L | L | L | H | Y | R | A | P | G | T | D | L | T | T | V | E | E | L | P | D | K | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | | |
| UniRef90_L5MN65 | Q | L | N | A | K | R | Y | K | K | L | L | H | Y | E | A | P | G | T | D | L | T | T | V | E | E | L | P | D | D | R | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
| UniRef90_W2ED92 | I | L | N | S | K | K | F | H | K | L | L | H | Y | E | A | P | G | T | D | L | T | T | V | E | E | L | P | P | E | N | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
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| UniRef90_D3FSX8 | Y | L | N | E | K | R | Y | K | K | L | L | H | Y | T | A | P | G | T | D | L | T | T | V | E | E | L | P | P | E | K | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
| UniRef90_UPI0004796982 | T | L | N | E | K | K | Y | K | K | L | L | H | Y | T | A | P | G | T | D | L | T | T | V | E | E | L | P | P | E | K | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
| UniRef90_UPI000417A37C | F | L | N | E | K | K | Y | K | A | L | L | H | Y | T | A | P | G | T | D | L | T | T | V | E | E | L | P | P | E | G | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
| UniRef90_HODKD8 | Y | L | Q | K | A | N | F | K | A | L | L | H | Y | V | A | P | G | T | D | L | T | T | V | E | E | L | P | P | E | G | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
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| UniRef90_A0A015KMV3 | Y | L | N | A | K | K | Y | K | K | L | L | H | Y | V | A | P | G | T | D | L | T | T | V | E | E | L | P | P | D | G | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
| UniRef90_W7Y9F3 | Q | L | N | S | H | K | K | Y | H | A | L | H | Y | F | V | A | P | G | T | D | L | T | T | V | E | E | L | P | P | E | G | H | I | W | V | G | A | G | S | N | V | N | G | K | E | |
| UniRef90_X0RDE1 | S | L | N | E | K | N | Y | H | A | L | L | H | Y | K | S | E | G | T | D | L | T | T | V | E | E | L | P | P | E | K | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
| UniRef90_C3AXE9 | Y | L | N | E | K | R | Y | K | K | L | L | H | Y | T | G | P | G | T | D | L | T | T | V | E | E | L | P | P | E | K | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
| UniRef90_B1HUP2 | Y | L | N | S | K | K | Y | K | S | L | L | H | Y | T | A | P | G | T | D | L | T | T | V | E | E | L | P | P | A | H | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
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| UniRef90_UPI00046F2EC8 | V | L | N | A | K | R | Y | K | K | L | L | H | Y | V | A | P | G | T | D | L | T | T | V | E | E | L | P | P | E | G | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
| UniRef90_W8YTY2 | R | L | N | A | K | R | Y | A | E | L | R | Y | T | A | E | P | G | T | D | L | T | T | V | E | E | L | P | P | D | G | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
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| UniRef90_SOJHE7 | E | L | N | A | E | Q | F | D | S | L | L | H | Y | T | A | P | G | T | D | L | T | T | V | E | E | L | P | P | K | G | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
| UniRef90_P24828 | Y | L | N | N | K | Q | Y | K | Q | L | V | Y | E | A | P | G | T | D | L | T | T | V | E | E | L | V | D | G | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | | | |
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| UniRef90_U7PBM0 | Y | L | Q | N | K | Q | Y | S | A | L | L | H | Y | V | A | P | G | T | D | L | T | T | V | E | E | L | P | P | K | N | H | I | W | V | G | A | G | S | N | V | N | G | K | E | | |
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250 260 270 280

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T Y F V A N M P T E E E V F T A P D R N G V D G Y V T N K L S Y N G T I D
V P F M A N M P T E E E V F T A P D R N G V D G Y V T N K L S Y N G T I D
D T F M A N M P T E E E V F T A P D R N G V D G Y V T N K L S Y N G T I D
G R F V A N L P T E E E V F T A P D R N G V D G Y V T N K L S Y N G T I D
I E F M A N M P T E E E V F T A P D R N G V D G Y V T N K L S Y N G T I D
N T F L A N L P T E E E V F T A P D R N G V D G Y V T N K L S Y N G T I D
I P F M A N M P T E E E V F T A P D R N G V D G Y V T N K L S Y N G T I D
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N E F M A N M P T E E E V F T A P D R N G V D G Y V T N K L S Y N G T I D
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290 300 310 320

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U I 1 B O V 5 S E D E A Q K R L W E A I F K A T R M D L E N P V V K S W E D H H L K N L K E E K V K
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UniRef90_W4CAF5 I A V R F F E A G R I V E A T A S K G E D V L N A L L F A K T D D D E G G S R R L G G E V V A L L
UniRef90_A4EE22 I E M V F F K D G G V A V E A T R A S K G E D V W N K N V L W N K T D D D E G G S R R L G G E V V A L L
UniRef90_G4RB88 F S F T F K E G R I V D F S A E K K G Y E A L K N L I E T T D D E G G S H Y L G G E V V A L L
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UniRef90_UPI00035F4EE7 I E V T T F K D D G R I V T D F A R A E K Q G D I L L R E L L L A T D D E G G A A H L G G E V V A L L
UniRef90_I1BOV5 F K L T T F F K N G K V I V D F A E A E K G Y E V L K D L L L A T D D E G G A K H L G G E V V A L L
UniRef90_M1ZFG7 M E F H F K D D G K V I V E C Y S A E E K G G E E T L L K R S L L L A T D D E G G A S H L G G E V V A L L
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UniRef90_A0A017HKJ9 I R V T F F K D G G R I V E A H A S A E K G G E A L L Q R I L L D S D D E G G A A R R L G G E V V A L L
UniRef90_UPI000470E01B F K L T T F K E G K I I V D Y D A K I G G E N L K N L I V Q V D E G G S S Y L G G E V V A L L
UniRef90_B1HUM8 F W L R F F E E G K I I V D Y D A K I G G E N L K N L I V Q V D E G G S S Y L G G E V V A L L
UniRef90_R5JF14 M T F T F K D G Q I V D V K A E K Q G E T L K N R L I V E S E N E G G A R S L G G E V V A L L
UniRef90_G5KHE8 F S F T F E N G R I V D F K A E E Q G G E A I K N L L L D T D D E G G A S K F L G G E V V A L L
UniRef90_C6D2M3 F K L H F K D G Q V V A A G A A T G Q A I L L D H L L L A T D D D G G A K S L G G E V V A L L
UniRef90_UPI00036FEFEC M H F T F K G G Q V V A A G A A T G Q A I L L D H L L L A T D D D G G A K S L G G E V V A L L
UniRef90_X0QP39 F K L T T F E D G K V I V D Y D A D I G L E F L D E N L L L S T D D E G G S K Y L G G E V V A L L
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UniRef90_UPI000466D8CA F S L T T F K E G R I V D Y D A E S Q G L D T L R K S L I I E T D D E G G A S H Y L G G E V V A L L
UniRef90_UPI000255C0AE F S L T T F K E G R I V D Y D A E S Q G L D T L R K S L I I E T D D E G G A S H Y L G G E V V A L L
UniRef90_UPI0003733FDE L S L T T F K D D G K V I V D A D A E S Q G R E L L H L K S L L D S D D E G G A K Y L G G E V V A L L
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UniRef90_K9E8J8 M E F H F E N G G H V T K V T A E R G G Q E V I E K L I L E L D D E G G S S Y L G G E V V A L L
UniRef90_W6NFD7 F S I T F R K G K I V D F T A D D K G Y E T L K H I I I Q T T D D E G G S H Y L G G E V V A L L
UniRef90_C9KJ13 F W L R F F E E G R I V D F F A A K K G E A I L L K G L L L E T T D D E G G S H Y L G G E V V A L L
UniRef90_U5MMZ2 F S L T T F K D D G K V I V D Y T A E T G L D I L L K Q L L L D T D D E G G S K S L L G G E V V A L L
UniRef90_UPI00035C9F77 I R V R F F E E G R I V E A T A R T G S D V L A S R V L D D T D D E G G S R R R L G G E V V A L L
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UniRef90_G9ZUL6 I R V R F F E E G R I V E A H A S T A G G E V L L Q K M I G T D D E G G A R R R L G G E V V A L L
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UniRef90_J9YQE6 M M F T F K D D G K I V I N S T A E K G E T I Q R L I E E T D D E G G A R S L G G E V V A L L
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UniRef90_H1XA54 I K L T T F E N G H V V E A H A S T G E A V L Q Q L I K T D E G G A S S L G G E V V A L L
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UniRef90_R5TQB6 F S L T T F H E G K V V D F D A R E G Y D A L K Q L L D T D D E G G S K S L L G G E V V A L L
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UniRef90_C6JQA1 F S L T T F K E G K V I V D F S A E K G K E I L L E K L L K S D E G G A S S Y L G G E V V A L L
UniRef90_E4KPG5 M K F Y F E D D G K V I V K V E A S Q G Q A T L L E K L V E T D D E G G A S Y L G G E V V A L L
UniRef90_D6S9E0 M R F E F F K D G K V I V D F F A S E V G K E T L K N M F D T D D E N G K Y L G G E V V A L L
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UniRef90_K7QXK2 I W A R F Q D G V A V E V G A E K N A E L L L K A L E T D D E G G A R R L G G E V V A L L
UniRef90_M5J588 L R F E F K D G R I V E K A T A S S G Q E V I D H L L A S D D D E G A R F L G G E V V A L L
UniRef90_R5FKC9 F T L T T F E N G R I V T D F S A E E Y E T L K G I I E T D D E G G S H R L G G E V V A L L
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UniRef90_H3NLS8 F W L R F K D G A V V D F D A K V G K E T L Q S I F D K D E R G A R K L G G E V V A L L
UniRef90_B9Y782 F W L E F F E E G K A V R W H A E E E E D A L A S L T Q S V D D E G G A S Y L G G E V V A L L
UniRef90_G4KST8 F H F V V K N G K I V E A R A E K G E E T L K A A I S V D D E G G A S Y F G G E V V A L L
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UniRef90_E8WZN9 I M C Y F E K G R I V E A T A S A G E D A L N R L I S T D D E G G A R S L G G E V V A L L
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UniRef90_U4KMS3 F Y L V F K D G K V I V E F D A K K E R N T L E E L L N T D E N A T R I G E V V A L L

| | | | | | | 330 | | | | | | 340 | | | | | 350 | | | | | | 360 | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|-----|---|---|---|---|---|-----|---|---|---|---|-----|---|---|---|---|---|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| UniRef90_U2N6D3 | V | P | H | D | S | P | V | S | N | S | N | I | V | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | | |
| UniRef90_UPI00047B526C | V | P | H | K | S | P | V | S | D | S | N | I | V | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | | |
| UniRef90_Q1ILN7 | V | P | H | S | S | P | V | S | A | S | R | S | N | I | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | |
| UniRef90_E7MZE4 | V | P | Y | D | S | P | V | S | R | R | S | N | I | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
| UniRef90_I4YVD8 | V | P | N | S | S | P | V | S | R | R | S | N | I | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
| UniRef90_Q9X4A7 | V | P | D | S | S | P | V | S | S | E | S | S | G | H | I | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | |
| UniRef90_A0A024PC15 | V | P | N | E | S | P | V | S | S | Q | S | G | I | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
| UniRef90_UPI000360A933 | V | P | H | D | S | P | V | S | N | T | N | V | I | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | | |
| UniRef90_H6LGJ6 | V | P | H | D | S | P | V | S | N | T | N | V | I | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | | |
| UniRef90_UPI00041E09B0 | V | P | Y | E | S | P | V | S | N | Q | S | G | I | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
| UniRef90_N1ZU97 | V | P | D | P | S | P | V | S | R | S | R | S | N | I | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | |
| UniRef90_I0GSW6 | V | P | F | D | S | P | V | S | S | Q | S | G | I | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
| UniRef90_Q5FQA8 | V | P | H | S | S | P | V | S | A | S | K | I | L | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
| UniRef90_W7CTY4 | V | P | H | P | S | P | V | S | Q | S | G | I | L | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
| UniRef90_R6G2M5 | V | P | F | D | S | P | V | S | S | N | S | N | I | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
| UniRef90_F5RLT9 | V | P | H | D | S | P | V | S | N | S | K | S | N | I | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | |
| UniRef90_C4L2F8 | V | P | D | D | S | P | V | S | N | S | G | I | L | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
| UniRef90_C1F2I9 | V | P | H | S | S | P | V | S | A | S | S | G | V | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
| UniRef90_E8V749 | V | P | H | S | S | P | V | S | A | Q | S | G | I | L | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | |
| UniRef90_W4CAF5 | V | P | H | D | S | P | V | S | N | L | N | R | I | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | | |
| UniRef90_A4EE22 | V | P | H | S | S | P | V | S | S | Q | S | E | T | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
| UniRef90_G4RB88 | V | P | H | S | S | P | V | S | Q | S | S | G | V | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
| UniRef90_W0ECN9 | V | P | Y | D | S | P | V | S | N | S | K | I | L | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
| UniRef90_A8SMS6 | V | P | F | D | S | P | V | S | S | Q | S | G | I | L | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | |
| UniRef90_D4S8D7 | V | P | H | T | S | P | V | S | S | Q | S | G | I | L | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | |
| UniRef90_UPI00035F4EE7 | V | P | Y | D | S | P | V | S | R | L | N | R | I | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | | |
| UniRef90_I1BOV5 | V | P | H | G | S | P | V | S | S | Q | S | G | I | L | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | |
| UniRef90_M1ZFG7 | V | P | Y | D | S | P | V | S | Q | S | S | N | I | L | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | |
| UniRef90_UPI00036AD372 | V | P | H | S | S | P | V | S | Q | S | G | I | L | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
| UniRef90_A0A017HKJ9 | V | P | H | S | S | P | V | S | S | Q | S | G | I | L | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | |
| UniRef90_UPI000470E01B | V | P | H | A | S | P | V | S | S | D | T | G | I | L | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | |
| UniRef90_B1HUM8 | V | P | H | E | S | P | V | S | A | S | G | I | L | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
| UniRef90_R5JF14 | V | P | Y | D | S | P | V | S | N | S | R | N | I | L | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | |
| UniRef90_G5KHE8 | V | P | H | K | T | P | V | S | L | S | G | I | L | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
| UniRef90_C6D2M3 | V | P | H | K | S | P | V | S | D | S | N | I | L | L | F | F | N | T | L | F | D | E | N | A | S | S | H | L | A | L | G | S | A | Y | P | C | F | D | D | G | | |
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S D H I A I A K L A R A I F L V S R S N C D D P I Q A N W A H H N N F L N K K R A Q
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P S E Q Q V T H L W E A I F A A V R L N C S D P V R A W G E H H I A T A R C E
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E G N E T L E E F F K L Q K E L L L L D R E N P I I K E W E S H H G Q K L H K R C K
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E S Q K T L E E F F E I Q K K I M L L N S A N P L K A W E D H A K K L H Q R C K
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P K E Q A L E L W K L L F K L C Y I E E D N D I Q T W A K R T A E K D T E G I
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N E L L E F V I E A T K G S Q Q D C L I N H N E V D K T L Q N R C
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F L N A Q Q D F A S L L H Y Y T R A P G G T D L T V V G L P P E T H H L W A G A S S N Q T S Q T Q R G
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M V F P D L
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90 100 110 120

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

UniRef90_D8IAF6 UniRef90_D2RUB0 UniRef90_F4A2F1 UniRef90_V4GU35 UniRef90_R7RSW1 UniRef90_F0SN28 UniRef90_S0ESG1 UniRef90_F4L1X0 UniRef90_R5RKC9 UniRef90_A5GF94 UniRef90_D4H5B3 UniRef90_Q9YA57 UniRef90_D6SME6 UniRef90_B4CU37 UniRef90_U4WV54 UniRef90_B9LQH1 UniRef90_L0EAK9 UniRef90_K2EX50 UniRef90_V7I644 UniRef90_A0A023BYA2 UniRef90_I3R178 UniRef90_W2E6K0 UniRef90_U1NUG9 UniRef90_R7LB14 UniRef90_UPI00035CDF27 UniRef90_A9B102 UniRef90_R7KA21 UniRef90_L0I664 UniRef90_A6CQF7 UniRef90_UPI0003B5D37B UniRef90_UPI0003787C80 UniRef90_UPI00042A2F54 UniRef90_U2RPP9 UniRef90_E1Y8K3 UniRef90_A0A023X1U7 UniRef90_R6GX0 UniRef90_U1PF01 UniRef90_V4ZMS8 UniRef90_Q30XP2 UniRef90_D9PRC2 UniRef90_D3SUU3 UniRef90_V2QDA6 UniRef90_G6EP65 UniRef90_C7P0H7 UniRef90_G7Q3W6 UniRef90_E6VRK2 UniRef90_A1AQV3 UniRef90_Q39V98 UniRef90_C2W9P5 UniRef90_B8FB88 UniRef90_W4BCW7 UniRef90_D4GST7 UniRef90_M1XK58 UniRef90_R7MJ07 UniRef90_E1RAZ5 UniRef90_L0IFK1 UniRef90_UPI00047940F3 UniRef90_U1PXN5 UniRef90_R7GF37 UniRef90_C9RPL4 UniRef90_E4TJS9 UniRef90_R6I656 UniRef90_Q2LRB7 UniRef90_D7CVY6 UniRef90_C7NX29 UniRef90_V4Y5F7 UniRef90_Q5V0D0 UniRef90_B2URM0 UniRef90_E8R3J8 UniRef90_R5DT15 UniRef90_M0D1N8 UniRef90_D8J971 UniRef90_UPI0003621160 UniRef90_R7EXS3 UniRef90_J3EV42 UniRef90_C7NSB7 UniRef90_D7BGQ6 UniRef90_M0D8D5 UniRef90_U2FFY0 UniRef90_UPI0003601CB6 UniRef90_K1XJK3 UniRef90_M0MED7 UniRef90_H5SBH9 UniRef90_A8F744 UniRef90_B2KDZ6 UniRef90_F5YNG1 UniRef90_L0IDY0 UniRef90_M0ML98 UniRef90_J3J116 UniRef90_L0DR43 UniRef90_E4U6Q2 UniRef90_L9ZUC7

K I Y E K L Y L D P V H M H Q R V K N T K W V V L N Y P T S S M A Q Q A S M S
Q Q A H R P I L L E E R L S K R W C L T Q Y P A P A N A Q Q A L A
A R G Q S T V R W K I Y S E R M G N G T L R W C G T Q F P T A P A N A Q Q A D M S L
N R A T R P V Q R E R L S K R W C L T Q Y P T A G H A Q Q A L A G M S L
S R G R R Q L M E I F E R R M A N K E L K W C G T L F P T E A N A Q Q A S M S L
E R Y Q Q I Y M K P V H F E I R V P H T K W C V M R Y P T P S M A Q Q A N G M S T
E K F W W H Y V H S E I R V R V P K T R W V V L R W P H P S M A Q Q A A G M S
Q Q A H Q K A S D T Y F R R T A T R E L K R N L C Q F P T Q A S A Q Q A G L S L
N K Y Y N T P V H H E R R V A H T R W V V L R Y P T N S A M A Q Q A C G T S R
S K V I R P I I D W R V A K N T R W V I T R F P T H G A A Q Q A K M S L
A K S M R K V R D V L M D R E E K G E F R W S L C P Y P T Q A M A Q Q A E M S L
S R A S R P L T E L F M K R D G E G S L R W T V T A Y P A P S L A Q E A G M G L
A V A K K Y L R D L L E R R E S Q G S F G W S L C L Y P T D E L A K A G L T L
S K K M K P V L D W R V K K T R W C V L R W P S P S M A Q S A G M S
R Q E H Y R V L K P L S D Y M I A N T R W V L L N Y P T P S M A Q N A N M S
N R A M E D V K R T R L S K T W C L T Q Y P T A S H A Q Q A G M S
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A R G A A S W R K I Y S E R T G D G S M R W C G T Q F P T F A D A Q E A G M S L
K E T L K P I T E H Y Y K R T A N G S L K R T L C L Y P T Q A G A Q M A G M S L
K R A Y K P I Q A E A L S K R W C L T Q H P A T G S A Q L A G M S
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T V A R K H L K D I L D K R E E G I F G W T L C M L P T E E L A K H A R L S
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S K V T R P L V D W R V K N T R W V L T R Y P T H G A A Q E A K M S L
Q R I F G K A Q S E A V Y K T R W V T T R I P N A S A Q E A N M S
A V A R K P F R D I L D K R E Q D G A F G W T L G I V P T Q E L A K Q A K L S L
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M K A L N P V S Q R R I R H T R W C G L R W P S G G M A Q Q A A M S
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S K A S Q G L S K T L M D R T A K G E A S W V I A D V P T H A L A Q E A K M S
E A A V Q P L L A E R L S K R W C L T Q Y P A P A N A Q L A
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R R A L G K L S T L R W Q K T R W C L V R I P S V I T L A Q Q G G I D E
A L A R K P A K E I L D K R E A E G S F G W T L S T Y P T Q A L A K K A G L S L
N K Y Y G K L H Y G I R L P K T K W C V L R Y P N S A M A Q A A G M S
N T A F A T L M Q P L S E K M T E K R W V T T Q Y P A P A D A Q A A
A Y S K A R E T R E A R M D T D W V S T V H P T R S L A Q Q A G M S
Q R V N K E T S A I A H E K R W V L T Q Y P T E G D A Q K A
D K A R D P I R R A A S R K R W V L T Q Y P T L A Y A N D A G M S L
R K A W G A L R P P H G R R T L T L W P T A G L A A M A G M S Q
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170 180 190 200

E M S T E G Y E N F V W D A V N K D W E E Q R E H Q E H M V E M D
W E Y E D F V Y D S A G L L D K D D P I A E W Q R V H R E F Q E Q E M V W K
T E A Y E N F V Y D A G S L D W E A Q G E F H E F Q E Q M V D
S E E Y E D F V Y G A G Y L D T E N P I E K W Q Q V K E E Q D R I C K
A F T D F F F R V C T T D Y A R M E E A Q K P L Q R R L
T E A F E D F Y F R V C T V D Y A K M A Q A M E P L R E L M E S
E E Y E H F V F N A C C K L Y D E D P I E S W I K V R K N Q Q R I V D
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D E Y E D Y L Y S A C C I D W H A E S R K Q E K L K K L M D K
D E Y T E F V F N A C K L N E A D P V A A W K E V D E F Q N K V V D
L E F E D F V V R A L K L H E D D P V A A W K R Q A E W Q E K V A A
E E Y K N Q I V Q A V Y L D K D D P V F I W E D I F E Q S K R I K E
T E A F E K F F F D V C T L N Y A K M Q P G M K A L K A A M E S
T E A F E D F F F D V C T L D Y R K M H D A F L P L Q Q L M N K
T E A Y E N F V W D A V S L D W D E Q R E F Q S N M V E
D E I K A L D K A A D D A R K I N R V G K V H E H T D K L Q Q V A N
E D Y A D F V Y G A G L D K E D P V A E W K K I S L R K E Q E Q N V R
E E Y S H F V F N A C H L F D K D P K I S W L N I S L R K E Q Q N I V D
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T E R F E D F Y F D V C N L D Y Q K M S D A M T P L V E L M N R
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E M S T E A Y T D F L Y E T C T M D Y S K M S K A M D P L V I T L M D R
D E Y A E E F F R A C C K L H M D D P V A A W K E V D A Y Q K K V I G
T D R F E E F Y F N V C N L D Y S K L S L Q M K L V D L M K
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T A A Y E D F V W D A V S L D W E A Q H A F Q A E L V S
A E Y A H E I K N A C L L T E G D P V Q S W R M L A R H A E D L R N
E M S T E G Y E N F V W D A V N K D W D D Q R E L Q A N M V E
D E Y T A F Y E A C C K L N E D D P I A A W K K V E A E Q E A I A E
S D E E A V D L L W N Q I V F K I C R V Y E K D P V R A W K E H A D R L D A K A R
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A E F K A G R E Y A A Q V V R A C C F L D A D P V A A R W T E I Y A E A E K V K A
E E Y E E Y L F S A C C C I D W E Q E S R K Q E K L K K L M D
E E Y E E Y L F A A C C C I D W E A E S R K Q E K L K R L M D K
K T E S Y E K Y Y D V C T L D Y N K M S K A M E P L K E L M E K
A Y T E Q W I K A C C L L D H D D P A K E W Q K L F N R A T S L K A
T E D F E N L Y F N V C N L D Y S K M D V A M D N L V E L M D R
F E A Y A D F V Y D A I L R D W S E L A E E M A N M K D
T E G Y E N F V W D A V N K D W A A Q R E H Q S R M V D
F D E Y S E F L F K S C Y L D L D D P V A K L K D L D E K Q T K W A N
S E Y E D F V Y A A G L L D S E D P S A R W K I N E E Q N R W R
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D E T D A Y Q E F V W N A V R L D W E A Q R S Q Q A E M V E
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D D F E R F V Y D A M F L F D D D P T A R W L E L R E Q Q A L I E
E A Y R D F V Y D A T L R D W E S L A E E M D Q L K T
T E A Y Q D F V W D A V G L D W D G Q R E F Q A Q M A D R L E
A Y A E Y K D F V Y D A T L R D W E A L A D E Q A R L K E
T E E F E D F Y F R T C L M D Y A A L R P A M R K L A A M M E K
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Q K S T E G F E N F V W D A I L R D W D E Q R E F Q S Q M V E I M D D
A Y E E Y R D F V Y D A I C R D W E A L A E E M A E M K E
U P I 0 0 0 3 6 2 1 1 6 0 E E Y T A F V Y A K A T K I D Q P D P K A A W L E V R S R Q Q A V V D
P I E E F K N F A M D V M T V D Y S A M S E K I K P L K E L M E K
A Y E E Y Q A F V Y D A V L R D W E E L A D Q M A E M K D
E M S T E A Y N E F V Y R A V N K D W D E Q R E H Q A Q M V E
A T G D F R A F V Q R A L F L D K P D P V A A W R E L A T F Q A A L I E
T D G Y Q N F V W D A V S L D W D E Q Y E H Q Q R M V E
A F E A Y R D F V Y D A T L R D W E S L A A E M D R L K T
A E Y E D F V A R A M F L D A P N P V A R W G E V R A F Q A G L I D
E E Y R N Q I K A C Y L D Y D D P I A E R K R T F K N T E E L K N
E M S T E A Y N E F V Y R A V N K D W D A Q R E H Q A Q M V E
S E Y S N F V F R A C H A D D E D P I A Y W R S L Q T R Q Q K A I D
D T L E E M F F D A C C F L N W P Q I S K K W N D C V K
K E Y T N Q I K K A C C Y L T D A N P L K T W E K I Y K Q M E E V T K
F E A F E D F F F R A C C Y L D Y A K M N E V V R P L V I E L V K R
E M S T E A Y E D F V W D A V N K D W E A V R E Y Q A Q L V D
Y E A Y Q E F V Y D A V L R D W E A L A D E M S M K E
E M S T D A Y A D F V W N A I N R D W Q E Q Y D H Q A Q F T E
A D Y E A Y V T S S M F L D R P D P V G A W R E L G R Q A G L I A
P A Y R R L V R R A F F L D R P D P A A W R A L S E A Q A R L I R
D M A Y A E Y Q D F A Y D A I L R D W E S L A D E M A R M K E

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210 220 230 240

P A D E I R I K S T D K V K L T G E G T N L E F S I K N I P A L K
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V V D D A D E I R I S G E G T D V I T M S V A G N T A V N D T G E K
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G Q T E R V R I V S P G T E L S F S I K N I P V V P
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W L D S M D V E Y F H V L S K N T D L K V Y P G E K R R W V G L S G H I Q A I P
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I L D T A D E V R I T S P E E T D L T M D L S G N S T L N D Y G E
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A E Y V K I T G P G T D I S F S I K G L P A I P
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R L E G V R E L R I R I A E G T D L T M R V E G R R W I N S D G R
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UniRef90_L0ADJ0 G M N R G I T E R A T N N V L F D E K M T L H V A L G N A M D E C V P E G
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UniRef90_U1PUI2 G M N R G I D Q I T N K I L F D E K M T V H L A V G R A Y D A C L P A D
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UniRef90_R7IQD5 G T N T T A Y V M A D K Y D I P I L I V E K M G P H F A V G D T C Y S H E E D G
UniRef90_W1V1Z8 G T N T T A Y V M A D K Y D I P I L I V E K M G P H F A V G D T C Y S H E E D G
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| | 290 | 300 | 310 | 320 |
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| UniRef90_R5C6G9 | L V M T F E N G M V I K D Y S C C E E S E G K A L V K Q V I L F H H K D T L P M G E F A I | | | |
| UniRef90_D9RAC4 | V Y L R F Q E G G Q V V E A R N A E V G E D Y L R A A L A T D E D G A R R L G G E V G I | | | |
| UniRef90_H7GIL1 | L E M K F E D G G K V T D Y S C C E E E E N K K Y I F S D N V L F F N H H K D T L P I G G E F A I | | | |
| UniRef90_D4IYK7 | L E I T F E D G G C I K D Y S N C C E E E N K K Y I F S D N V L F F N H H K D T L P I G G E F A I | | | |
| UniRef90_UPI0003B69F54 | L E I T F E D G G C I K D Y S N C C E E E N K K Y I F S D N V L F F N H H K D T L P I G G E F A I | | | |
| UniRef90_R5RNF0 | L E L K F K D G G C V T D Y A S C C E E E N K K Y I H E N V L F Y R H H K D T L P I G G E F A I | | | |
| UniRef90_C4GBU9 | L R L T F R D G G M L V E D Y S C C E E E N G R K A Y I R R D N I L Y Q H H K D T L P I G G E F A I | | | |
| UniRef90_R5U9I8 | L E I V F K D G M L V E R Y N C C E E Q N K K A Y I R R D N I L Y R H H K D T L P M G E F A I | | | |
| UniRef90_C0D4A2 | L R I R F A E G R V T D F S C C E E Q G R K L V K Q V I L R G H H W L P L G G E F A I | | | |
| UniRef90_UPI0002899491 | L S L T F K D G G Y V E E Y S C C E E E N K K Y I E E N L L F H H K D T L P L G G E F A I | | | |
| UniRef90_R7CGT4 | L K L V F D C G Q V I D Y S C C E E E N R K K Y I E E D N I L F H H P K L A M G E F A I | | | |
| UniRef90_X1MWE1 | | | | |
| UniRef90_T0PJY7 | L E L L F E D G Y V I K E Y S R C E G D N K K Y I E E N L L F P N K T L P L G G E F A I | | | |
| UniRef90_UPI0003B4BF10 | L S F T V K D G M V I T E Y S C C E G D G K K L V I E D D E I M N N H H E T L P L G G E F A I | | | |
| UniRef90_X1B2K6 | I R L D F K D G K V I K A T A E K A K E E L Q E I V A I E N A N L L G G E F A I | | | |
| UniRef90_A1SLX9 | L E F E F E D G G R I E S E R A A A D G V D F V R E L L D A D D D G A R R L L G G E F A I | | | |
| UniRef90_H1LRU1 | L C I K V K D G M I E D Y T A A A D N K R L I D D S V L K R H K S L P M G E F A I | | | |
| UniRef90_B0VHY4 | L K I D F E D G W I K D Y S C C E E E G K K Y I Y E N L L L P H K S L P I G G E F A I | | | |
| UniRef90_F0RVR0 | A R F T V K D G K V I T D W A A D T G K P A L D A D F F N L D E N A R H V S E L S L | | | |
| UniRef90_D1Z246 | V R L K F K D G T L D E C T A E H N G E V L R D R T L F H K A K L K V A E L G I | | | |
| UniRef90_X1ILF7 | I K L W F K K G K V V K A E A S K F G K F L E S M L D M D K G A R | | | |
| UniRef90_G5GJT2 | L I I K F K D G M V T D Y S C C E E S N F D E L I E E N V L L K G Y H K T L P M G E F A I | | | |
| UniRef90_UPI00037FCE3A | L K L T F K D G M V E D Y S C C E E E N R K K Y I E E N V L L F P H K T L P M G E F A I | | | |
| UniRef90_G2KPC8 | L T M E F K N G E L V K Y E A K A G L D A F K R A V I E M D E G A R N F V I G G E F A I | | | |
| UniRef90_O58749 | I E I T V K D G G F A E D I R S C E E E A E K L R E L L R Y Y P K E T L P V G E F A I | | | |
| UniRef90_UPI000467D971 | L K L W F E D G E I V D F S C C E E E G R E T I L E S L F Y P Y E T L P V G E F A I | | | |
| UniRef90_F4HKH2 | I K L V I R E G F V E K V E G G D E A R R L L E E I L R Y G R E A R N L A G E F A I | | | |
| UniRef90_F2NU81 | I C V K V E K G F V S E V E T G G E E A A K R L L T D L Q Q A E N G A S N L A G E F A I | | | |
| UniRef90_E8T2T6 | L H V V V K N G K L Q E V T G D K S E N L D I L L A N E R N A T I G E L G I | | | |
| UniRef90_C5ER26 | L R C T L E K D G V T D I I K G G E E A A E L R R L Y A K N S R N I G E L G I | | | |
| UniRef90_F5YD32 | L T L R V F K D G A V E I E I G F E D E Y R Y L E R V F R E H D K K A R N I A E F G V | | | |
| UniRef90_D3SMN6 | P I V V D V D G Y V T S I I T A K S G K A A E K A A I E M E K N A R N I G E L G I | | | |
| UniRef90_U2M3L5 | L E L L I E N G M V V E A K G A H A D D L K E L F K K M G E P G A R N V A E L G I | | | |
| UniRef90_H8I647 | A K F F V E N G R V V A V S G G D K Q V E Y L N A I F E K M G E E N R N V A E L G I | | | |
| UniRef90_UPI0003B6E74D | V V C Q V R D G K I I S I E G G R Q A Q L L R E D L E N D P N V Y N I A E M G M | | | |
| UniRef90_R6BPH3 | L Y M R I E N G H L K E V K K G N S E K I S I L L E N E N N S S L C E L G I | | | |
| UniRef90_D1AMF5 | L Y L K I K D G K L K E I K K G D A D K L N I L L Y N E N K S S L C E L G I | | | |
| UniRef90_U5RP56 | L T L Q I R G G Q A V E A R G G R A A D W L V D V W R Y G E P A R L V A E L G V | | | |
| UniRef90_K4LWW2 | L I C K V E K G F I T S I E G G G Q A E I L S K D L A D D P N V Y N V A E L G I | | | |
| UniRef90_D6LGJ6 | M V L E F K D G Y V S L I E Q G G V G A E F S R L V A G D D P N V R R N C A E L G I | | | |
| UniRef90_F6B869 | I T M K F I D G G V E S I E G G F E D Y R F T E D V F K K M P E A R F I A E F G V | | | |
| UniRef90_A8UTJ6 | I T C K V E K G V T E I E T G G A E A R R L L K T I M E A E N A R N I G E L G I | | | |
| UniRef90_UPI0003B3833D | V K L T I E K S R I N I E G G E A A E K L K N I L N S D P N A Y I G E L G I | | | |
| UniRef90_E7GHS4 | L T I E I A A N R I T R C S S A N Q D L E R D F W H T D E N S D R V G E F A I | | | |
| UniRef90_UPI00047B1303 | L R L T V K D S V I V K I E A A E Y E K W L K N F N D P G M L K M A H V A Y F | | | |
| UniRef90_G0QFT2 | T K L R I E D G E V K E I L S S E D T S E E I K E A I H D I E N G E N I A E F G F | | | |
| UniRef90_Q0V035 | L V M C V E D G Y V T K L S S E D K D Q K V N E I S V D D E A S L C G E F G I | | | |
| UniRef90_R6M6U1 | L E L T F K D G G V T D Y T C C K D N K K Y I H E N V L Y R H D T L P I G E | | | |
| UniRef90_C5EG77 | L R M R F K D G R V T E F S C G N F K | | | |
| UniRef90_A4J119 | V V M K V D K G R V V E I S G G Q Q A M E F K A W L E S D P N M F R V A H G C Y | | | |
| UniRef90_D4GS17 | R E L R F E D G Y V T E I S D D D R E Q V E A A A E E V G D D N A Y N I A E I G I | | | |
| UniRef90_Q0W0V3 | V Q V T V M D G L V T D V Q G E T A R A L L N V I E H E K D N A R N I A E L G I | | | |
| UniRef90_C7NYK1 | L E F T V E D G L V T E I E G D D A V R Q Q I E V G D A A Y N L A E L G I | | | |
| UniRef90_R5C745 | L R I E V E D G Y L R K I E G E E A D L L R K S L E Q D P R V N Y L A A E V G F | | | |
| UniRef90_K1YJ55 | T K I E V E N G M V K K I E S T T G G K K L R K Y L E R N K V A Y N I A E L G I | | | |
| UniRef90_UPI0003714E68 | L T I N I E G N R I T R V S S E N K E R D F W A Y T H T D E N S D R V G E F A I | | | |
| UniRef90_Q5WKI1 | T L L T V K D G R L T S A S G P E G A K L L E L L G D G D G G R Y L A E F A I | | | |
| UniRef90_D6TJG5 | L T I K V E N G Y I T E S S A N K A Q E V H D Y L F S T P E N T V V C E L G F | | | |
| UniRef90_S9SNE1 | V I L S I E G G K V V Y S N D E K L N P F L G T L T P E N T V V C E L G F | | | |
| UniRef90_L9X354 | V T M E I E D G A V T S V E G G G E A E T I Q R V W E E D P A V S Y N I A Q L A V L | | | |
| UniRef90_C6A1T1 | V K V Y I E N G F L S R I E G G E A A K K L E E A K A I E E S A K N S W N I A G E V L | | | |
| UniRef90_R8W0Y6 | I C L T I E N S V I T E V T G G E A A V F R K H L L E S D P G M F K L A H I A Y | | | |
| UniRef90_W0I5R4 | V K V Y I E G R F V Q A I K R A E E R A L L K M G K E E V G A K N A W H L G E L G I | | | |
| UniRef90_F7XMU1 | I T I R V E G R R A V A I T G K A G D K L C T L V D S V G P S A R N I A E L G I | | | |
| UniRef90_W0JHA5 | L C F V I K D G M L N E I I G S D N A K T L K K I I D Q H P Q A A N V A E L G I | | | |
| UniRef90_O58751 | I K L E V E R G K I V N I E G G R E A R E F S S W L E N D P N E M Y Q L A H I S Y F | | | |
| UniRef90_UPI000403CB64 | F V L S I K D G V I T S S N A N D E L N A L I E F G P E N V T V C E L G F | | | |
| UniRef90_Q3AEI9 | L I V R V E D G R V V S V E G P G S T V L E E Y F N Y G E K A R L I G E F G I | | | |
| UniRef90_R5N1F3 | L R L T I E N S K L V K I E G G G R D A A L F E E H L F E D E G M F K L A H I T A Y | | | |
| UniRef90_Q12VJ3 | L V I E I R N R S A V S F E G E G A E K L E E A M V E N G A M F G R N I A E L G I | | | |
| UniRef90_H3ZQG6 | I I L E V E Q G T V V R I E G G G Q E A K I F E K W L K S D P N M F K I A H I S Y | | | |
| UniRef90_UPI0004043A63 | V V L T V K D G V I E H S D N D E L L N E V L S S Y G P K E N S T V C E L G I | | | |
| UniRef90_G5HS06 | I T L Y I E N S F V T K V E A V K F E K V L K E I Y D P K R I Y R I G E I G V | | | |
| UniRef90_Q88L15 | I T V T V K N G M A V S I E E G K Q A A M W R E I F A K H E S F N C P A E I A I | | | |
| UniRef90_UPI0003F9D419 | I T M T I K N G R V T D S D C D A L N E L L S Q E E G A R L V G E L G I | | | |
| UniRef90_R6WUU1 | V K L T L E N G V T K I E G G A Q A E T F K A W L E S D D G N S R V L A H Y S Q | | | |
| UniRef90_UPI00040D56A6 | V I T V K D G R V T D S N C T A F N E F L S G Q E E G A R V V G E L G I | | | |
| UniRef90_D8IP21 | I E V T V K D G F V T R I E G G L D A E L L S D Y M A S D P E A Y A M S H I G W | | | |
| UniRef90_X0RII9 | V R L T I K A G E I V K V E G G K Q A V E F E A W M K S H P R M L K L A H V C Y | | | |
| UniRef90_T0ZZC4 | | | | |
| UniRef90_L9WRK2 | L T M E I D D G S V S I D G A E G E R V E A L W Q R Y D P P A R E V A H V A V | | | |
| UniRef90_C0C283 | V K I Y M K D G V D H V I S A R Q W E K Y M R D F Q H P Q M L R P A H V C V | | | |
| UniRef90_R6DWS9 | V R L T V E N S K I V A I D S G G S E A V E F K K Y L E A D P N M L K M A H V A Y | | | |
| UniRef90_F0Z320 | F R I C L E H G C I Q E I R T E A A G K L T E Y M A D F D P G Y I V A S E L G I | | | |
| UniRef90_R9N5T9 | V S Y I V K E G R I Q E I R G E G A Q D I L R A Y K L D D P N M Y I A A H V C Y | | | |
| UniRef90_D5ENC0 | L H V K D G K I F K S Q F V Y G D E A H N A Q L A D D P M T G A I G E L G F | | | |

UniRef90_R6RF55 GT N T T A Y A M A E R F G I P I L I V E K M G P H F A V G D T C P M Y N P D G
UniRef90_UPI0003B4C0FA GT N T L A Y V I A R K Y D I P I L I A E K T G P H F A V G D T C C Y S H E E D D S
UniRef90_UPI000479E913 GT N T T A Y T F A R K F N I D I L L I A E K T G P H F A V G D T C C Y S Y N E E D D N
UniRef90_R9J8J3 GT N T T A Y M T A K K Y N I P I L I A E K T G P H F A V G D T C C Y C Y N E D D G
UniRef90_G5HE35 GT N T V A Y A M A Q K F G I P I L I A E K M G P H F A V G D T C C Y S F A E E D D G
UniRef90_R5C6G9 GT N T T A Y A E G I R Y G I P I L I A E K T G P H F A V G D T C C Y S D E E D D G
UniRef90_D9RAC4 GT N T T A Y A M A R K F G I P I L I V E K M G P H F A V G D T C C Y S W A E R D
UniRef90_H7GIL1 GT N F A L Y D R P T G L V L L D E K G T V H L A L G R S Y P E T
UniRef90_D4IYK7 GT N T R A F V M G Q K Y G I P I L I A E K T G P H F A V G D T C C Y P M Y N P D G
UniRef90_UPI0003B69F54 GT N T T A Y Q I A R D Y S I P I L I A E K T G P H F A V G D T C C Y S H E E D D D
UniRef90_R5RNF0 GT N T T A Y M M G L K Y N I P I L I A E K T G P H F A V G D T C C Y S H E E D D G
UniRef90_C4GBU9 GT N T T A Y R M A K D Y G I P I L I A E K T G P H F A V G D T C C Y S H E E D D G
UniRef90_R5U9I8 GT N T T A Y R M A K E Y Q I P I L I A E K T G P H F A V G D T C C Y S H A E E D D
UniRef90_C0D4A2 GT N T A A Y A M A K R F G I P I L I A E K M G P H F A V G D T C C Y S F A E E D D
UniRef90_UPI0002899491 GT N T L A Y V I S K K H Q I P I L I V E K M G P H F A I G D T C C F S Q C E D D
UniRef90_R7CGT4 GT N T T A Y V A A Q K Y N I P I L I A E K M G P H F A V G D T C C Y S W S E D D
UniRef90_X1MWE1
UniRef90_T0PJY7
UniRef90_UPI0003B4BF10 GT N T L A Y V I A Q K H D I P I L I V E K M G P H F A I G D T C F S F A E D G
GT N T V A L K H D I Q A K L P I L L I A E K T G P H F A V G D T C C Y S H S E D D
UniRef90_X1B2K6 GT N Y G I T K F T K N M L F D E K G T M H C A L G S G P
UniRef90_A1SLX9 GT N A A L T L M T G D L L I D E K G T V H I A P G R A Y P E C
UniRef90_H1LRU1 GT N V I A Y N V A K K Y D I P I L I A E K M G P H F A V G D T C C Y S H E E D D
UniRef90_B0VHY4 GT N T L A Y Q M A R K Y N L P I L I I E K M G P H F A I G D T C C Y S H E E D G
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UniRef90_D1Z246 G L N P V I D R A I G Y I L T D E K G S V H V A F G R S D
UniRef90_X1ILF7
UniRef90_G5GJT2 GT N T A A Y A A A K K Y G I P I L I A E K T G P H F A V G D T C C Y S H E E D D
UniRef90_UPI00037FCE3A GT N T L A Y I V A Q K F N I P V L L I A E K M G P H F A V G D T C C Y T F E E D D
UniRef90_G2KPC8 GT N P H L K Q H V A N G L L V I E K G S F H L A L G R P Y S Y T E Y Q G
UniRef90_O58749 GT N P K A R I S G N I L E D E K G T V H I A L G S N Y D F
UniRef90_UPI000467D971 GT N T R A F R C K K Y Q L P I L I Y E K M G P H L A I G D P C Y K G A E D G
UniRef90_F4HKH2 GT N P K A R I S G N I L E D E K G T V H I A L G S N Y D F
UniRef90_F2NU81 G L N P A A G I T G N M L E D E K A T C H F A I G E N Y D G D A P
UniRef90_E8T2T6 GT N D R A K V K T N I L E A E K I L G T C H V A V G D N S S F
UniRef90_C5ER26 GT N E A A V L N G V I L E D E K G T V H I A F G T N T S F
UniRef90_F5YD32 G L N P A A R I S G R M L E D E K A T C H F A I G H N Y D N D A P
UniRef90_D3SMN6 GT N P G A K R P R I S D N V L E A E K G T I H L A I G D N H T F
UniRef90_U2M3L5 G L N P A A R I T G N M L E D E K A T C H F A I G S N Y D N D A N
UniRef90_H8I647 G M N P K A R L W G L L E D E K A T V H L A L G N N I G F
UniRef90_UPI0003B6E74D GT N E A A V R F D N I L E G E K I L G T C H I A V G
UniRef90_R6BPH3 G M N P H C Y F C G F M L E D E G V E G S V H I G I G T S I T L
UniRef90_D1AMF5 GT N K S A V L C G I L E D E K G T V H I A F G T N T S F
UniRef90_U5RP56 GT N P E A K V T G V I L E D E K G T V H I A F G T N T S F
UniRef90_K4LWW2 G F N P R A A V T G K V L E D E K G T A H I A L G D N M S M
UniRef90_D6LGJ6 G L N P N C R F I G L M L E D E G V Y G S C H I G I G T S L N L
UniRef90_F6B869 GT N P K A K K P D N V L E A E K I K G T I H I A I G D S S H L
UniRef90_A8UTJ6 GT N P K A S R P D N L L I A E K G T V H I A I G D N H T F
UniRef90_UPI0003B3833D G L N P A A N I T G N M L E D E K A T C H F A I G E N Y D N D A P
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UniRef90_UPI00047B1303 GT N I G V I E R V I G N I L Q D E K F G I H I A F G N P Y G E H T G
UniRef90_R6DRU1 G F N P G A K L S G N V V E D E R V W G A T E W G I G Y V I S P T V I G G
UniRef90_Q0QFT2 GT N P Q A E I I G H V L Q D E K G T V H I A I G N S M P L A E K E G
UniRef90_Q0V035 G L N P K A R L T G L L L E D E K G T L H I A F G H N S D M P
UniRef90_R6M6U1
UniRef90_C5EG77
UniRef90_A4J119 G F N P G A K L T G N I L E D E R V W G C T E W G L G Y
UniRef90_D4GS17 GT N V I G V T D L V I G S V L L D E K A A G T V H I A V G D D A G I G G D
UniRef90_Q0W0V3 G M N P M A G P S T N L L E A E K A T I H F A I G E N F D H D A P
UniRef90_C7NYK1 GT N V A V R D L V I G S V L L D E K A G T V H I A I G D D H A I G G D
UniRef90_R5C745 G L N P A A S L S G R M L E D E G G T M H I G I G N N L S Y
UniRef90_K1YJ55 GT N P T A K V T G C V L E D E K G T A H I A L G D N T S Y T
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UniRef90_D6TJG5 GT L T S L K R L V G N L L Q D E K M G L H V A F G N P Y E F T G
UniRef90_S9SNE1 G M N P P N I T D L C G Y T L L D E K M T F H I A I G A N H
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UniRef90_C6A1T1 G L N P K A Q M S G K L L E D E K I T I H I A I G A N Y
UniRef90_R8W0Y6 G F N P G A I L T G N I V E D E R I W G S T E W G I G Y V S P F D A P
UniRef90_W0I5R4 G L N P R A K M S G K L L E D E K L T V H T A I G A N Y
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