

QUERY 1 10 20 30 40
UniRef90_I4BZ31 P P G T L V I Y T G K Y R E D F E I E V M N Y S E E F R E K K V T K D V I E S V L C A S S
UniRef90_B9KB86 P P G T L V I Y T G K Y R E D F E I E V M N Y S A G E E F R E K K V T K D V I E S V L C A S S
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| QUERY | 50 | 60 | 70 | 80 |
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| UniRef90_U2D8I7 | Q E G D D T I K W I | N V V D G G L N N T T P E I | E K K L L G G K Y Y D L L | L L V L E E D D I L L N |
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| UniRef90_K8GF47 | F L D S E S V S W V | D V V K G G L G S E S E D T L | K R R L L G G V F F N L L | L L V L E E D D I L L N |
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| UniRef90_Q8YPT1 | Y L D T S S V T W V | D V V Q Q G L G S E S E D T L | K R R L L G G V F F N L L | L L V L E E D D I L L N |
| UniRef90_A6ENW5 | F K G T D H V T W I | N V V N G G L N N T T P E I | E R E L L G G Y Y K L L | L L V L E E D D I L L N |
| UniRef90_HOPYA5 | Y T P G R N R V W L | H D G L Q D A E E L G G E | R R S Y F F G G L L | L L V L E E D D I L L N |
| UniRef90_B5EA00 | K K P L P R T V T W V | N V V D G G L A D L E V L R R | H F G G G L L L V L | L L V L E E D D I L L N |
| UniRef90_Q2YBY0 | I K H A S G V K W V | N L D Q G L G D D L H M I | E E Q F A G G C C G N L | L L V L E E D D I L L N |
| UniRef90_T2G6R1 | L R A R E A G T V F W V | N L V D G G L S D R T G F V | E E T A G R V I F F G L L | L L V L E E D D I L L N |
| UniRef90_S0FGM7 | Q N R P E A G I R W L | N L V D G G L S D R T G F V | E E T A G R V I F F G L L | L L V L E E D D I L L N |
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| UniRef90_B8HWB2 | Y L D T H S R V S W V | D V V Q Q G L G D E E V L R R | E E A T L G G K V F F H L L | L L V L E E D D I L L N |
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| UniRef90_K9RES7 | Y L D T E S V S W V | D V V Q Q G L G S N T D M L | Q R R L L G G K V F F F L L | L L V L E E D D I L L N |
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| UniRef90_A3XNX1 | K K H P E E I S W I | N I N G G L S D I D Q I | E R L L G G G H Y K L L | L L V L E E D D I L L N |
| UniRef90_R4YUS2 | Y K D S D T V S W V | I V I T N V I E I V | E E R A L I F F G L L | L L V L E E D D I L L N |
| UniRef90_K9UXX7 | F L D T E S V S W V | D V V Q Q G L T N N V I E I | V E E R A L I F F G L L | L L V L E E D D I L L N |
| UniRef90_G3IUT7 | Y Q S T D T I T W V | I V I D D G L Q D D V S I | I D A I I G G H F D L L | L L V L E E D D I L L N |
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| UniRef90_Q3Z8X5 | V K Q S G S I V W I | K V V G L Q D T A M V | E E E G G G G C F N L | L L V L E E D D I L L N |
| UniRef90_K9TF25 | Y L D S Q S M S W L | D V V S Q G L G S T E A I | L G G I V F F H L L | L L V L E E D D I L L N |
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| UniRef90_Y0KII4 | K P D P N K K L W L | N M V G V H D A E L I | K K V I L G G G L L | L L V L E E D D I L L N |
| UniRef90_Q467R4 | F K D P D L N L W I | D V V D D G L D R V D I | I G K V I L G G G L L | L L V L E E D D I L L N |
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| UniRef90_UPI00036E1A89 | H L D P D T V T W V | I V I D D G L K D V S V V | L D A Q I L G G E H F F | L L V L E E D D I L L N |
| UniRef90_L8JLH1 | R L D K T K V N W I | N I V D G L K H N V S L | I E O L L G G H H H H | L L V L E E D D I L L N |
| UniRef90_D8G7J1 | Y L D T D S V S W I | D V V L G G L G N N E T W | R R Q M S E V F F N L L | L L V L E E D D I L L N |
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| UniRef90_K9S647 | Y L D S Q S V S W I | D V V Q Q G L G S E D I L | K R R L L G G V F S Q L L | L L V L E E D D I L L N |
| UniRef90_H5S9I6 | L R Q E G M T L W L | D V V V G L H D V D A I | R T L L A G A E F F Q L L | L L V L E E D D I L L N |
| UniRef90_UPI00037ED921 | Y K Q T D T V T W V | N I V E G L S D S S I | I D A I L G G H H H H | L L V L E E D D I L L N |
| UniRef90_Q2S4E1 | Y R D T A P V T W I | N V V T G V S D E S V I | R T V I G G D H H F H V | L L V L E E D D I L L N |
| UniRef90_S7VVP6 | Y K E T D S V T W I | N I V D G L N S L S E I | E S I V G G K Q Y E L L | L L V L E E D D I L L N |
| UniRef90_D6Z5D2 | Y H D R E G V S W I | N V V D D G L G S H V Q D | I L E K V L L G G A C | V F F L L V L E E D D I L L N |
| UniRef90_K9Q8Z3 | Y L D A E S V S W I | D V V Q Q G L G S Q D I L | Q R L L G G S K V F F L L | L L V L E E D D I L L N |
| UniRef90_I8SB17 | N E S I T D K C W I | H I S G I H V V S M I | E K L L G G A A F F Q L L | L L V L E E D D I L L N |
| UniRef90_UPI00047DBDE2 | Y L D T H S V S W L | D I L G G L G N Q D T W | D R L M A A Q V F Y K I | L L V L E E D D I L L N |
| UniRef90_UPI0002554D6A | Y R N T S G I T W L | N V V L G G F R E S D A I | S K R L L A A E V F N L | L L V L E E D D I L L N |
| UniRef90_W2UNK6 | F K E Q V N V T W F | N V V Y G L S N E K E I | D K L L A N Y F N I | L L V L E E D D I L L N |
| UniRef90_K2C834 | P Q K A A G I S W I | N V V E G L S D D E Q I | L K N I A A Q F F L | L L V L E E D D I L L N |
| UniRef90_A0A017T4R1 | Y L D R P A S I T W V | D I V R G I G S H R E T | F E R L L A G R I F K I | L L V L E E D D I L L N |
| UniRef90_B4VNG4 | Y L T S D S V S W L | D I V Q G L G S E D I L | L L G L L G G R I V G L | L L V L E E D D I L L N |
| UniRef90_K9WLF4 | Y L D T E S V S W V | D V V Q Q G L G S E D I L | Q R L L G G K V F F D L L | L L V L E E D D I L L N |
| UniRef90_A0B712 | Y L R Y K P T V T W I | K V V N G I R D T E T M | E K L L G G G K I F D I | L L V L E E D D I L L N |
| UniRef90_F9YV84 | F V S E E S V T W I | N V V N G L T D I G Q I | N E M G G N F T Q L L | L L V L E E D D I L L N |
| UniRef90_UPI000374732D | V V V P G Q T V W L | N V V L G G L H D N A A L | A Q L T L G G S H Y G L | L L V L E E D D I L L N |
| UniRef90_K9UIH7 | Y L K T H T V S W L | D V V L G G L G N N A T W | E A I L G G I F N L | L L V L E E D D I L L N |
| UniRef90_K9P8P8 | V V A E G S I T W M | N V V S G V H D V A L V | E R L L G G A R F F G L L | L L V L E E D D I L L N |
| UniRef90_G8QMV5 | L R R P G C T L W L | N V V Y G L Q D P D L M | A A A K R F F G L L | L L V L E E D D I L L N |
| UniRef90_D7DJL0 | K R D D T K K V W L | N I V H G L H D A A L I | K Q V I L G G G K F F L L | L L V L E E D D I L L N |
| UniRef90_B8GDN2 | L D P A M K V T W I | N V V T G L S D I G L I | R Q I L L G G V R F K V I | L L V L E E D D I L L N |
| UniRef90_F9ZGA7 | L Q N N E L I T W V | N V V D G L Q N I D I V | E R I L L G G H E H L L | L L V L E E D D I L L N |
| UniRef90_UPI00045E9ED4 | Y D T P E T V T W V | I V I N G L Q N V S V I | E A I L L G G G R H F D I | L L V L E E D D I L L N |
| UniRef90_K9PV65 | H L G N S S V S W V | D V V G G I G D Q K I | C Q R L L G G K V F F R L L | L L V L E E D D I L L N |
| UniRef90_Q39WE8 | L R N Q P E V S W I | N V V E G I H S I E L L | Q K L L G G C Y G L L | L L V L E E D D I L L N |
| UniRef90_I0W730 | F L A T D A V T W I | N L N G L F S H V K A I | E E L L G G G K S Y G M | L L V L E E D D I L L N |
| UniRef90_W8U7J3 | Q L S P D T L T W I | R I T G L G E I D K I | E E Q I L L G G S D F G L | L L V L E E D D I L L N |
| UniRef90_M1PL09 | A P R E G P N T W I | H I L N G V H Q P A E | L I R R Q L L G G E Q L | H F L L L L V L E E D D I L L N |
| UniRef90_D5C2B9 | Y L Q G P S N T W I | H I L N G V A E P A V L | R H L L G G E F N L | L L V L E E D D I L L N |
| UniRef90_A4CLB6 | K T P G G T T Q L V | N V V V G L S D E S V M | S R L L G G Q M A A L N | L L V L E E D D I L L N |
| UniRef90_UPI00036D5BE6 | A E N G E N F T W L | N V V D G L H E T E D L | A K L L G G A F Y H L L | L L V L E E D D I L L N |
| UniRef90_M7YD43 | F L T G T H K F W L | N V V S S L E N E D L L | K E L L S S A L F D L L | L L V L E E D D I L L N |
| UniRef90_A0YUB1 | Y L Q S E T V S W L | D I V Q G L G N T E T W | R Q M S S Q I F F Q L L | L L V L E E D D I L L N |
| UniRef90_F7NDC6 | P L P E G I T W I | H V I V G T L N L P | L I E R Q L L G G E Q I | F F S L L L V L E E D D I L L N |
| UniRef90_K9Y701 | Y L A S E S A S W L | D I V Q G L G S E D I L | K Q I L L G G Q V F F K L | L L V L E E D D I L L N |
| UniRef90_G8R8S1 | K N D P E K R Q W Y | N I T G L D N E E F M | A H I Q G E R L N I | L L V L E E D D I L L N |
| UniRef90_M1WMS7 | C T D S Q S T S W L | N I D G L H V P D L M | S S V L G G N L F D L I | S S L L L L E E D D I L L N |
| UniRef90_D5SZ98 | L L I P D R R H W L | N I D G Y G D A E L L | K S Q V L L A N D F F K L | L L V L E E D D I L L N |
| UniRef90_UPI0004670429 | Y L I R E T R T W I | Q V V N G Q V D P E T L | R N L L G G E L F D L L | L L V L E E D D I L L N |
| UniRef90_D8K6M6 | Y L L Q S S N T W I | H V I V G Y A E P A | L E R Q L L G G E M F N L | L L V L E E D D I L L N |
| UniRef90_X5D8Q2 | N F K A G K V N W I | N I V Y G L H D L V S | M I K K L L G G E G F K L | L L V L E E D D I L L N |
| UniRef90_A0A011UW18 | N R E D W P V M W L | D C A G L A D V S T I | G E I L L G G K A F F G L L | L L V L E E D D I L L N |
| UniRef90_UPI00047D44D1 | H A D R K P V L W I | D I V T G L H D N V S | T L E K I L L G G Q R I F F G L L | L L V L E E D D I L L N |
| UniRef90_X6FSA8 | H C A N A W P V L W I | D C Y G L A N T K Y I | L E Q L L G G K I F F D I | L L V L E E D D I L L N |
| UniRef90_R5VBG5 | Y I A D D H V T W I | S L Y G L H N T K Y I | L E Q L L G G K I F F D I | L L V L E E D D I L L N |

| QUERY | 130 | 140 | 150 | 160 |
|------------------------|-----|-----|-----|-----|
| UniRef90_I4BZ31 | C | V | L | M |
| UniRef90_B9KB86 | C | V | L | M |
| UniRef90_A5G707 | F | V | L | M |
| UniRef90_UPI0003B3B618 | F | V | L | M |
| UniRef90_K4MLB3 | F | V | L | M |
| UniRef90_UPI00028891C8 | F | V | L | M |
| UniRef90_H2BQT8 | Y | V | L | M |
| UniRef90_I31JA4 | F | V | L | M |
| UniRef90_UPI00035E2CB1 | F | V | L | M |
| UniRef90_UPI00029AC0F9 | Y | V | L | M |
| UniRef90_U2D8I7 | Y | V | L | M |
| UniRef90_UPI00047D0061 | Y | V | L | M |
| UniRef90_K8GF47 | Y | V | L | M |
| UniRef90_UPI00034CA97A | Y | V | L | M |
| UniRef90_Q8YPT1 | Y | V | L | M |
| UniRef90_A6ENW5 | Y | V | L | M |
| UniRef90_HOPYA5 | F | V | L | M |
| UniRef90_B5EA00 | Y | V | L | M |
| UniRef90_Q2YBY0 | F | V | L | M |
| UniRef90_T2G6R1 | F | V | L | M |
| UniRef90_S0FGM7 | Y | V | L | M |
| UniRef90_AOLLZ4 | L | V | L | M |
| UniRef90_W0SJ44 | F | V | L | M |
| UniRef90_B8HWB2 | Y | V | L | M |
| UniRef90_B4SC29 | Y | V | L | M |
| UniRef90_K9RES7 | Y | V | L | M |
| UniRef90_K7W7P0 | Y | V | L | M |
| UniRef90_A3XNX1 | Y | V | L | M |
| UniRef90_R4YUS2 | F | V | L | M |
| UniRef90_K9UXX7 | Y | V | L | M |
| UniRef90_G3IUT7 | F | V | L | M |
| UniRef90_F8GJ75 | Y | V | L | M |
| UniRef90_S7TQ00 | F | V | L | M |
| UniRef90_G0GB72 | L | V | L | M |
| UniRef90_Q3Z8X5 | F | V | L | M |
| UniRef90_K9TF25 | Y | V | L | M |
| UniRef90_UPI00037FF4A0 | F | V | L | M |
| UniRef90_Y0KII4 | V | L | M | |
| UniRef90_Q467R4 | Y | V | L | M |
| UniRef90_UPI0002ED89F3 | Y | V | L | M |
| UniRef90_UPI00036E1A89 | L | V | L | M |
| UniRef90_L8JLH1 | Y | V | L | M |
| UniRef90_D8G7J1 | Y | V | L | M |
| UniRef90_V5V5H8 | F | V | L | M |
| UniRef90_K9S647 | Y | V | L | M |
| UniRef90_H5S9I6 | F | V | L | M |
| UniRef90_UPI00037ED921 | F | V | L | M |
| UniRef90_Q2S4E1 | N | L | V | M |
| UniRef90_S7VVP6 | Y | V | L | M |
| UniRef90_D6Z5D2 | F | V | L | M |
| UniRef90_K9Q8Z3 | Y | V | L | M |
| UniRef90_I8SB17 | Y | V | L | M |
| UniRef90_UPI00047DBDE2 | Y | V | L | M |
| UniRef90_UPI0002554D6A | T | V | L | M |
| UniRef90_W2UNK6 | N | V | L | M |
| UniRef90_K2C834 | F | V | L | M |
| UniRef90_A0A017T4R1 | F | V | L | M |
| UniRef90_B4VNG4 | Y | V | L | M |
| UniRef90_K9WLF4 | Y | V | L | M |
| UniRef90_A0B712 | F | V | L | M |
| UniRef90_F9YV84 | Y | V | L | M |
| UniRef90_UPI000374732D | W | L | V | M |
| UniRef90_K9UIH7 | Y | V | L | M |
| UniRef90_K9P8P8 | F | V | L | M |
| UniRef90_G8QMV5 | F | V | L | M |
| UniRef90_D7DJL0 | F | V | L | M |
| UniRef90_B8GDN2 | Y | V | L | M |
| UniRef90_F9ZGA7 | Y | V | L | M |
| UniRef90_UPI00045E9ED4 | L | V | L | M |
| UniRef90_K9PV65 | Y | V | L | M |
| UniRef90_Q39WE8 | F | V | L | M |
| UniRef90_I0W730 | T | V | L | M |
| UniRef90_W8U7J3 | F | V | L | M |
| UniRef90_M1PL09 | G | V | L | M |
| UniRef90_D5C2B9 | Y | V | L | M |
| UniRef90_A4CLB6 | R | V | L | M |
| UniRef90_UPI00036D5BE6 | Y | V | L | M |
| UniRef90_M7YD43 | Y | V | L | M |
| UniRef90_A0YUB1 | Y | V | L | M |
| UniRef90_F7NDC6 | Y | V | L | M |
| UniRef90_K9Y701 | Y | V | L | M |
| UniRef90_G8R8S1 | T | V | L | M |
| UniRef90_M1WMS7 | L | V | L | M |
| UniRef90_D5SZ98 | L | V | L | M |
| UniRef90_UPI0004670429 | Y | V | L | M |
| UniRef90_D8K6M6 | Y | V | L | M |
| UniRef90_X5D8Q2 | Y | V | L | M |
| UniRef90_A0A011UW18 | F | V | L | M |
| UniRef90_UPI00047D44D1 | V | L | M | |
| UniRef90_X6FSA8 | F | V | L | M |
| UniRef90_R5VBG5 | Y | V | L | M |

| QUERY | 210 | 220 |
|------------------------|---|-----|
| UniRef90_I4BZ31 | R R S T A W P L R E V L S S Q L Y R D V P P L L I E | |
| UniRef90_B9KB86 | R R K T I W P L R R E V L S S Q L Y R D V P P L L I E | |
| UniRef90_A5G707 | R R K A V W P L R R E V I G A L S L E R R G R E E S S L L I K | |
| UniRef90_UPI0003B3B618 | R R N S I W P L R R E V I S S Q L L E R R G E S L S F I S Q E | |
| UniRef90_K4MLB3 | R R R S V W P L R R E V I N N K L D D R K T T T S L L I V Q | |
| UniRef90_UPI00028891C8 | R R R S I F P L R R E V V N N K L E R R G E S L L I V Q D | |
| UniRef90_H2BQT8 | R R A V F P L R R E V L S R R L E R R G E S L L I V Q D | |
| UniRef90_I31JA4 | R R S I W P L R R E V I S E Q L L E R R G E S P L L I K | |
| UniRef90_UPI00035E2CB1 | R R A V Y P L R R E V V N S E Q L L E R R G E S P L L I K | |
| UniRef90_UPI00029AC0F9 | R R A V F P L R R E V I S R R L E R R G E S P L L I Q | |
| UniRef90_U2D8I7 | N N S I W P L R R E V I G N R L E R R T E S H L L I K E | |
| UniRef90_UPI00047D0061 | R R A V V P L R R E V I N R L T E K I E T P L L I E S | |
| UniRef90_K8GF47 | R R A I W P Q R D S I N A L I R D G S K L F S S S | |
| UniRef90_UPI00034CA97A | R R A I W P Q R D A I N S L I R D D S Q L T S S S | |
| UniRef90_Q8YPT1 | R R A I W P Q R D A I N A L I R D R S Q L L I S S | |
| UniRef90_A6ENW5 | R R A V F P L R R E V V N R L E K T E T S L L I E S | |
| UniRef90_HOPYA5 | R R A L W P L R R E V L N G L I R R G D T R F F S | |
| UniRef90_B5EA00 | H K A F W P L R R E V S S L Q R R G D S Q L F S | |
| UniRef90_Q2YBY0 | R R A L W P L R R E V I S S L Q R R G D S P L F S | |
| UniRef90_T2G6R1 | R K Y V W P L R R E I V A R L L E R R G E S E L L I | |
| UniRef90_S0FGM7 | H K S V W P L R R E V L S F L E R R G E S L L V Q | |
| UniRef90_AOLLZ4 | R K F V W P L R D F L S G M W R G E T R L L I E | |
| UniRef90_W0SJ44 | R R S I W P L R R E V I N S L I T R A D D R F | |
| UniRef90_B8HWB2 | R R A I W P Q R D A I N A L I R D D G S V L L I S | |
| UniRef90_B4SC29 | R K S V R P M R E I I N S I S R D H Y K V I D S | |
| UniRef90_K9RES7 | R R A I W P Q R S A I N A L I R D S N E L L I S S | |
| UniRef90_K7W7P0 | R R A I W P Q R D A I N S L I R D G S E L L I S S | |
| UniRef90_A3XNX1 | R K A V F P F R E V V N R L E K I D S Q L L I D | |
| UniRef90_R4YUS2 | R R Y V S P V R E L L A E M I L R D S E S D L L I H | |
| UniRef90_K9UXX7 | R R A I W P Q R D V I N A L I R D S G D L L I S | |
| UniRef90_G3IUT7 | R R S V S P M R E L L A S I Q R S E S Q L L L | |
| UniRef90_F8GJ75 | K R N I S P L R E L L A T I Q R I D T P L L L Q | |
| UniRef90_S7TQ00 | R K H I F P M R D V T L R I E K G D S P L L I S | |
| UniRef90_G0GB72 | R K S V W P L R R E L L S T L E S R G E S P L L I S | |
| UniRef90_Q3Z8X5 | R K S I W P A R E T V A A L I R S E T P L L I D S | |
| UniRef90_K9TF25 | R R A I W P Q R N A I N R L I R D G S P L L I S | |
| UniRef90_UPI00037FF4A0 | R R V V W P L R R E V I N H L T R N E S G F F S | |
| UniRef90_Y0KII4 | R R A V W P L R R E V V N G L I R N E K N L | |
| UniRef90_Q467R4 | R K S I W P L R E L I N G L I Q R V E S D L L I K | |
| UniRef90_UPI0002ED89F3 | R R A I W P Q R N A I H S L I Q D G N E L L I S | |
| UniRef90_UPI00036E1A89 | R R S V S P L R E L L A S K I Q R D S P L L L D | |
| UniRef90_L8JLH1 | R K S V Y P L R E A L S K I V T K G E Y S F I K | |
| UniRef90_D8G7J1 | R R A I W P Q R D A I N S L I R D G N E L L I S | |
| UniRef90_V5V5H8 | R R A I W P Q R D A I N A M I R D S P L L L S | |
| UniRef90_K9S647 | R R S L W P Q R E M L N S L I R D H S A L L I S | |
| UniRef90_H5S9I6 | S H A A W P L R R E A I G W L A R G E T P S I Q | |
| UniRef90_UPI00037ED921 | R R S V S P L R E L L V A I Q R S D S H L L H | |
| UniRef90_Q2S4E1 | R R M T W P M R E L L H Q L E R L D S S F | |
| UniRef90_S7VVP6 | R R A I F P L R R E I I N R I E K G E H P L I | |
| UniRef90_D6Z5D2 | R K S V W P M R E L L N S L I R D E T E L L I D | |
| UniRef90_K9Q8Z3 | R R S I W P Q R D A I N A L I R D S S D L L I S | |
| UniRef90_I8SB17 | R K A V W P L R R E I N A L S R G D S V L L I | |
| UniRef90_UPI00047DBDE2 | R R A I W A Q R E A I N V L I R D G S D L L I S | |
| UniRef90_UPI0002554D6A | R R A I W P L R E S L S I L L R T E S V Y I | |
| UniRef90_W2UNK6 | R K W V V P V K D L V N R I E S E H P L V | |
| UniRef90_K2C834 | R K A I W P M R E A I S H L L Y A E E T L I S | |
| UniRef90_A0A017T4R1 | R R A I W P Q R D L V N N L L R D D S A L I S | |
| UniRef90_B4VNG4 | R R S I W P Q R S A I N A L I R D G S N L I S S | |
| UniRef90_K9WLF4 | R R S I W P Q R N A I N S L I R G D S D L L I | |
| UniRef90_A0B712 | R K S V W P L R R E V I T R L E R R G D S P L L I H | |
| UniRef90_F9YV84 | R K T I H P T R E L V S K L E K L E H P L L I S | |
| UniRef90_UPI000374732D | R R N L W P L R R E C L N S L I R D D A D F F E S | |
| UniRef90_K9UIH7 | R R A I W P Q R D A I N S L I R D D G S D L L I | |
| UniRef90_K9P8P8 | R K A V W P I R E E V A M I V K S E S P L L L | |
| UniRef90_G8QMV5 | R R A I W P L R R E V L N V L L R S H | |
| UniRef90_D7DJL0 | R R A V W P L R R E V I N C L L R N E K G F F K | |
| UniRef90_B8GDN2 | R R S V W P L R R E V I S S L E R S D S P L L I H | |
| UniRef90_F9ZGA7 | K R N I S P L R E L L A A A I Q H I D T P L L L Q | |
| UniRef90_UPI00045E9ED4 | R R S I S P L R E M L A A A I H R S E S P L L L | |
| UniRef90_K9PV65 | R R A I W P Q R D A L S D L I R D H S P L L I Q | |
| UniRef90_Q39WE8 | R K S I W P L R R E V I S G L E R R E S S L V | |
| UniRef90_I0W730 | R R S I Y P L R R E V V G N L E K A E H P S I S | |
| UniRef90_W8U7J3 | R K A I W P F R E V L N R L Q R S D S E L I | |
| UniRef90_M1PL09 | R Q V Y Q P M R D M V A K L C R I D D Q L I | |
| UniRef90_D5C2B9 | R R I F W P Q R E V V N G L L R E D H S P I S | |
| UniRef90_A4CLB6 | R G W I A P V R D L I T R L I E S D S P M L | |
| UniRef90_UPI00036D5BE6 | R R Q I W P L R R D M V N Q L I R E D N | |
| UniRef90_M7YD43 | K K L I W P T R E L L S N W K K S E S P L L K | |
| UniRef90_A0YUB1 | R R A I W S Q R D A I N I L V R D R T R L I S | |
| UniRef90_F7NDC6 | R K A V W P L R R E M I S T L E R G Q S G L | |
| UniRef90_K9Y701 | R R A I W P Q Q S V I T T L M R S G S N L I S | |
| UniRef90_G8R8S1 | L K V V R P V R E L T H N L I R T E S E F I D | |
| UniRef90_M1WMS7 | R K A V R P A R E L I L K L A K T E N E I | |
| UniRef90_D5SZ98 | R R A A W P L R R E A I Q H L L R G E F Q Q I | |
| UniRef90_UPI0004670429 | R R V L W P Q R E L L T S L M R A E D P L L I H | |
| UniRef90_D8K6M6 | R R I F W P Q R E V V N R L L R E D | |
| UniRef90_X5D8Q2 | R K A V R P M R E F M A S L L R A E D T F F K | |
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UniRef90_L7ZJG8 V K Q P D T F V W L G L R G Q P T E P A F M R K V L Q S S F G L H H P L L A I E D D A V C
UniRef90_I2N2H1 V R K R G G F V W V G L H H E P T D L E F A V Y A E T F F G L H H P L L A V E D D A V H
UniRef90_G3IQP3 K R E H T F V W L H H E A N S E A L L A K T Q G E E F G L H H P L L A I E D D A C A
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UniRef90_W0EZU1 L R N S N K I V W I N V D G L R K A D V E K L G R E Y G I N P L L Q E D D I L S
UniRef90_J0U2B6 H L S P G C F V W V A L Q D A T P E E L D E L Q R E F F G L H H P L L A V E D D A R H
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UniRef90_Q1LSF4 L A E P D G T F V W L G L H H E P T Q R L P L R K V Q Q A F D L H H P L L A V E D D A V E
UniRef90_M3FSU9 V R H D H G F V W L G L H H E P T Q R L P L R K V Q Q A F D L H H P L L A V E D D A V E
UniRef90_UPI0003FDEA80 R A D C F V W V A L R D A T H E E L A L M Q E E F D L P A L A V E D D A Q H
UniRef90_UPI00046935BD L I E N K D F Y W F D I K Y R L A D D P N I F E T L Y A K L D D I S R L V L E D D I T S
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UniRef90_UPI000422C35E V D D G S F V W I G L F N P P A D R L L G K L Q E E F C H H P L L A V E D D A R H
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UniRef90_I6ZSX1 UniRef90_F0SJI0 UniRef90_E6XEQ0 UniRef90_UPI00047131E1 UniRef90_K2Q5I9 UniRef90_UPI00035CAB2E UniRef90_X0MW48 UniRef90_H1Y0M6 UniRef90_C7M8U4 UniRef90_F4B020 UniRef90_H1PT06 UniRef90_A0A021WA77 UniRef90_UPI000369CB31 UniRef90_B4S9G5 UniRef90_I3BRT8 UniRef90_K0B214 UniRef90_K9VXH4 UniRef90_Q7NLU6 UniRef90_S3B6G1 UniRef90_K7YFJ9 UniRef90_W6M9M0 UniRef90_Q8KAG0 UniRef90_G2E279 UniRef90_Q82IM6 UniRef90_I2EW86 UniRef90_M2V1R3 UniRef90_UPI00037EF930 UniRef90_I2N5Q0 UniRef90_W6RHJ1 UniRef90_V2IBY6 UniRef90_F5YB51 UniRef90_F8K529 UniRef90_UPI0004055BA2 UniRef90_W4LL51 UniRef90_I5AZN6 UniRef90_D1BUR9 UniRef90_U3P6V8 UniRef90_F4CP45 UniRef90_UPI000464EDAB UniRef90_UPI00036EB42F UniRef90_Q5N5P3 UniRef90_W9H9E9 UniRef90_UPI0003790F5A UniRef90_D9W6E0 UniRef90_V5WKG3 UniRef90_W6X0W4 UniRef90_UPI00047EF96E UniRef90_W7IK18 UniRef90_D2PPT9 UniRef90_E8NAK7 UniRef90_B5JM38 UniRef90_V5XFL4 UniRef90_G7URR9 UniRef90_B4VD20 UniRef90_I2F313 UniRef90_A0A031GDP2 UniRef90_UPI000360E2ED UniRef90_B4VEU6 UniRef90_UPI0003F84039 UniRef90_UPI0003645E4D UniRef90_UPI00035FE0DE UniRef90_UPI000378DCAB UniRef90_S9ZID0 UniRef90_UPI00023791E3 UniRef90_A9C0H8 UniRef90_D2UEI5 UniRef90_UPI000380A26A UniRef90_I0HWM9 UniRef90_C0BNX0 UniRef90_L7ZJG8 UniRef90_I2N2H1 UniRef90_G3IQP3 UniRef90_F7UKW5 UniRef90_I3I754 UniRef90_N6Y8P3 UniRef90_E4N605 UniRef90_W0EZU1 UniRef90_J0U2B6 UniRef90_A9WP94 UniRef90_I2DML1 UniRef90_E8XMB9 UniRef90_D9WF47 UniRef90_UPI0001FFE5BF UniRef90_Q1LSF4 UniRef90_M3FSU9 UniRef90_UPI0003FDEA80 UniRef90_UPI00046935BD UniRef90_D2Q0S3 UniRef90_UPI000422C35E UniRef90_UPI000479F6B2 UniRef90_UPI00035D7E60 UniRef90_UPI0003B71ECE

| | 130 | 140 | 150 | 160 |
|------------------------|--------|-------|------|--------|
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| UniRef90_F0SJI0 | YVLLTF | QEQE | KRYK | GDVLLD |
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| UniRef90_UPI00047131E1 | SLVLI | VFQEE | LET | KDDVDF |
| UniRef90_K2Q5I9 | SLLIVL | VFQEE | LET | KDDVDF |
| UniRef90_UPI00035CAB2E | YFII | VFQEE | LET | KDDVDF |
| UniRef90_X0MW48 | YFII | VFQEE | LET | KDDVDF |
| UniRef90_H1Y0M6 | LIVL | VFQEE | LET | KDDVDF |
| UniRef90_C7M8U4 | YLIVL | VFQEE | LET | KDDVDF |
| UniRef90_F4B020 | YLIVL | VFQEE | LET | KDDVDF |
| UniRef90_H1PT06 | YLIVL | VFQEE | LET | KDDVDF |
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| UniRef90_UPI000369CB31 | FVLI | VFQEE | LET | KDDVDF |
| UniRef90_B4S9G5 | VLLI | VFQEE | LET | KDDVDF |
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| UniRef90_S3B6G1 | YLIVL | VFQEE | LET | KDDVDF |
| UniRef90_K7YFJ9 | FLLI | VFQEE | LET | KDDVDF |
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| UniRef90_M2V1R3 | FVLI | VFQEE | LET | KDDVDF |
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| UniRef90_V2IBY6 | YVLI | VFQEE | LET | KDDVDF |
| UniRef90_F5YB51 | TVLI | VFQEE | LET | KDDVDF |
| UniRef90_F8K529 | FVLI | VFQEE | LET | KDDVDF |
| UniRef90_UPI0004055BA2 | YVLI | VFQEE | LET | KDDVDF |
| UniRef90_W4LL51 | YVLI | VFQEE | LET | KDDVDF |
| UniRef90_I5AZN6 | LIVL | VFQEE | LET | KDDVDF |
| UniRef90_D1BUR9 | FVLI | VFQEE | LET | KDDVDF |
| UniRef90_U3P6V8 | FVLI | VFQEE | LET | KDDVDF |
| UniRef90_F4CP45 | FVLI | VFQEE | LET | KDDVDF |
| UniRef90_UPI000464EDAB | FVLI | VFQEE | LET | KDDVDF |
| UniRef90_UPI00036EB42F | VLLI | VFQEE | LET | KDDVDF |
| UniRef90_Q5N5P3 | WLLI | VFQEE | LET | KDDVDF |
| UniRef90_W9H9E9 | YVLI | VFQEE | LET | KDDVDF |
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| UniRef90_W6X0W4 | FVLI | VFQEE | LET | KDDVDF |
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| UniRef90_W7IK18 | YVLI | VFQEE | LET | KDDVDF |
| UniRef90_D2PPT9 | YVLI | VFQEE | LET | KDDVDF |
| UniRef90_E8NAK7 | YVLI | VFQEE | LET | KDDVDF |
| UniRef90_B5JM38 | TVLI | VFQEE | LET | KDDVDF |
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| UniRef90_G7URR9 | YLIVL | VFQEE | LET | KDDVDF |
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| UniRef90_C0BNX0 | KLLI | VFQEE | LET | KDDVDF |
| UniRef90_L7ZJG8 | FVLI | VFQEE | LET | KDDVDF |
| UniRef90_I2N2H1 | FVLI | VFQEE | LET | KDDVDF |
| UniRef90_G3IQP3 | FVLI | VFQEE | LET | KDDVDF |
| UniRef90_F7UKW5 | YLIVL | VFQEE | LET | KDDVDF |
| UniRef90_I3I754 | YLIVL | VFQEE | LET | KDDVDF |
| UniRef90_N6Y8P3 | YLIVL | VFQEE | LET | KDDVDF |
| UniRef90_E4N605 | FVLI | VFQEE | LET | KDDVDF |
| UniRef90_W0EZU1 | MVLI | VFQEE | LET | KDDVDF |
| UniRef90_J0U2B6 | YLIVL | VFQEE | LET | KDDVDF |
| UniRef90_A9WP94 | FVLI | VFQEE | LET | KDDVDF |
| UniRef90_I2DML1 | YVLI | VFQEE | LET | KDDVDF |
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| UniRef90_D9WF47 | FVLI | VFQEE | LET | KDDVDF |
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| UniRef90_Q1LSF4 | YVLI | VFQEE | LET | KDDVDF |
| UniRef90_M3FSU9 | FVLI | VFQEE | LET | KDDVDF |
| UniRef90_UPI0003FDEA80 | YVLI | VFQEE | LET | KDDVDF |
| UniRef90_UPI00046935BD | TLLI | VFQEE | LET | KDDVDF |
| UniRef90_D2Q0S3 | FVLI | VFQEE | LET | KDDVDF |
| UniRef90_UPI000422C35E | YVLI | VFQEE | LET | KDDVDF |
| UniRef90_UPI000479F6B2 | YLIVL | VFQEE | LET | KDDVDF |
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| UniRef90_UPI0003B71ECE | FVLI | VFQEE | LET | KDDVDF |

| | | 170 | 180 | 190 | 200 |
|------------------------|---|-----|-----|-----|-----|
| UniRef90_I6ZSX1 | D | H | Q | H | L |
| UniRef90_F0SJI0 | T | Y | I | L | N |
| UniRef90_E6XEQ0 | A | F | V | L | R |
| UniRef90_UPI00047131E1 | I | Y | D | L | K |
| UniRef90_K2Q5I9 | A | Q | L | L | V |
| UniRef90_UPI00035CAB2E | D | N | V | L | N |
| UniRef90_X0MW48 | Q | Y | V | L | R |
| UniRef90_H1Y0M6 | V | F | L | L | K |
| UniRef90_C7M8U4 | D | Y | V | L | N |
| UniRef90_F4B020 | A | F | V | L | R |
| UniRef90_H1PT06 | I | Y | D | L | K |
| UniRef90_A0A021WA77 | D | N | V | L | N |
| UniRef90_UPI000369CB31 | S | F | L | L | R |
| UniRef90_B4S9G5 | V | Y | V | L | K |
| UniRef90_I3BRT8 | D | Y | V | L | N |
| UniRef90_K0B214 | I | Y | D | L | K |
| UniRef90_K9VXH4 | A | Q | L | L | V |
| UniRef90_Q7NLU6 | D | N | V | L | N |
| UniRef90_S3B6G1 | Q | Y | V | L | R |
| UniRef90_K7YFJ9 | T | Y | D | L | K |
| UniRef90_W6M9M0 | D | N | V | L | N |
| UniRef90_Q8KAG0 | S | F | L | L | R |
| UniRef90_G2E279 | M | R | V | L | K |
| UniRef90_Q82IM6 | H | Y | V | L | N |
| UniRef90_I2EW86 | L | Y | V | L | K |
| UniRef90_M2V1R3 | A | Q | L | L | V |
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| UniRef90_I2N5Q0 | H | Y | V | L | K |
| UniRef90_W6RHJ1 | F | Y | V | L | N |
| UniRef90_V2IBY6 | D | N | V | L | N |
| UniRef90_F5YB51 | A | Q | L | L | V |
| UniRef90_F8K529 | R | Y | V | L | K |
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| UniRef90_W4LL51 | A | Q | L | L | V |
| UniRef90_I5AZN6 | A | Q | L | L | V |
| UniRef90_D1BUR9 | D | N | V | L | N |
| UniRef90_U3P6V8 | A | Q | L | L | V |
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| UniRef90_UPI000464EDAB | A | Q | L | L | V |
| UniRef90_UPI00036EB42F | S | F | L | L | R |
| UniRef90_Q5N5P3 | W | Y | V | L | K |
| UniRef90_W9H9E9 | D | N | V | L | N |
| UniRef90_UPI0003790F5A | R | Y | V | L | K |
| UniRef90_D9W6E0 | A | Q | L | L | V |
| UniRef90_V5WKG3 | S | F | L | L | R |
| UniRef90_W6X0W4 | D | N | V | L | N |
| UniRef90_UPI00047EF96E | A | Q | L | L | V |
| UniRef90_W7IK18 | H | Y | V | L | K |
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| UniRef90_E8NAK7 | E | Y | V | L | K |
| UniRef90_B5JM38 | A | Q | L | L | V |
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| UniRef90_B4VEU6 | D | N | V | L | N |
| UniRef90_UPI0003F84039 | V | Y | V | L | K |
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| UniRef90_UPI00035FE0DE | R | Y | V | L | K |
| UniRef90_UPI000378DCAB | D | N | V | L | N |
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| UniRef90_F7UKW5 | D | N | V | L | N |
| UniRef90_I3I754 | A | Q | L | L | V |
| UniRef90_N6Y8P3 | D | N | V | L | N |
| UniRef90_E4N605 | A | Q | L | L | V |
| UniRef90_W0EZU1 | T | Y | D | L | K |
| UniRef90_J0U2B6 | D | N | V | L | N |
| UniRef90_A9WP94 | Q | Y | V | L | K |
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| UniRef90_Q1LSF4 | Y | V | L | K | |
| UniRef90_M3FSU9 | H | Y | V | L | K |
| UniRef90_UPI0003FDEA80 | D | N | V | L | N |
| UniRef90_UPI00046935BD | V | Y | V | L | K |
| UniRef90_D2Q0S3 | D | N | V | L | N |
| UniRef90_UPI000422C35E | D | N | V | L | N |
| UniRef90_UPI000479F6B2 | D | N | V | L | N |
| UniRef90_UPI00035D7E60 | H | Y | V | L | K |
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UniRef90_I6ZSX1 R K S S W P V R E M V D N I L Q S E S E L L S
UniRef90_F0SJ10 R R A T W P Q R E A A G R L C R D E H P L L S
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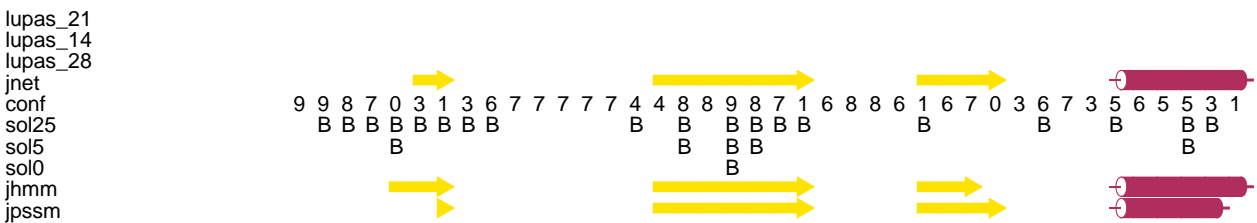
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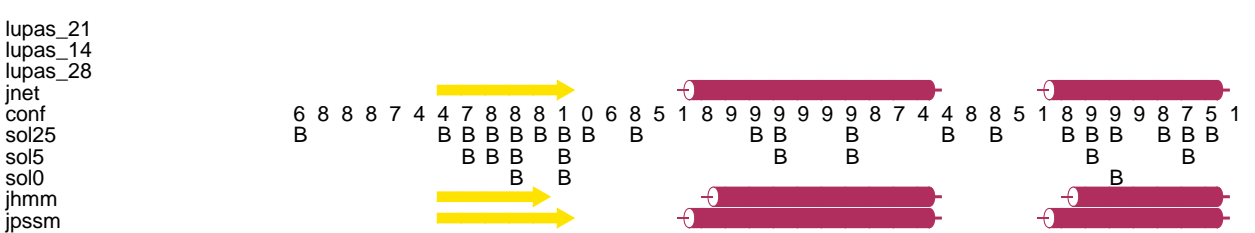
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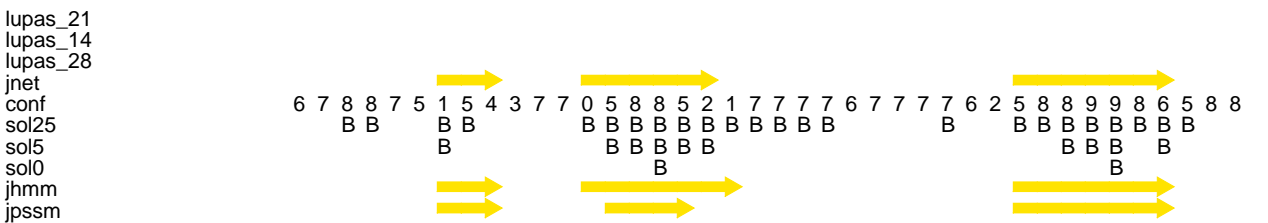
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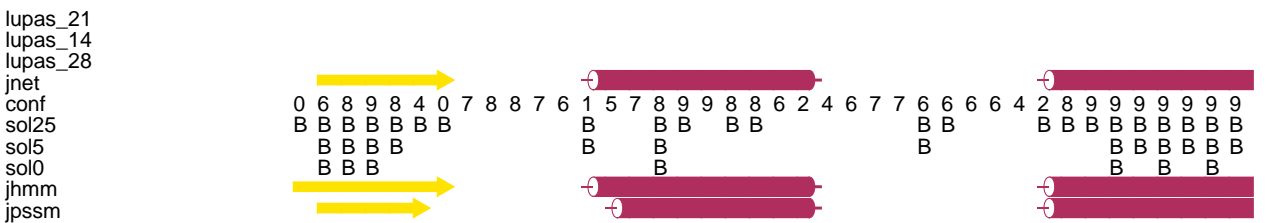


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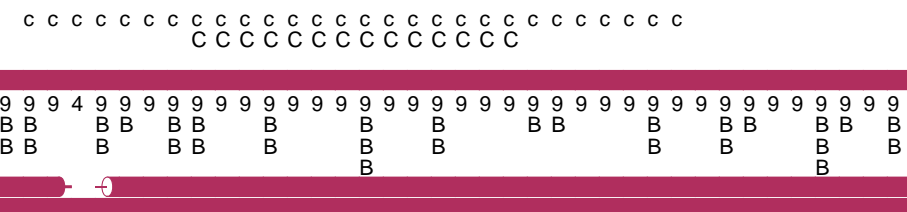
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