

| QUERY | 1 | 10 | 20 | 30 | 40 |
|------------------------|---|-------------------------------|-----------------------------|-------------------------|----|
| UniRef90_A5IL70 | I E Y S | L K T S N D D Q F I D | T N L V K K A V D E S G | V S D G M A V V F C P H | |
| UniRef90_K0NQN3 | L T V R T S S R T Q F V D | T S E I V K F I E E S S G | V R N G I C V V F V P H | | |
| UniRef90_F0S129 | M Q I S V K T N A R T Q M V D | T S Q V R D A V I E S S G | V K D G L V H V F S M H | | |
| UniRef90_R7RSY8 | M E F S I R T S K Q E E F I N D | T N L V R E A V K K S G | V K D G L A V I F V P H | | |
| UniRef90_A3DBL5 | L S I R T S K A R T A M I D | T S K V Q Q V V E R S S G | V K D G L C T V F V P H | | |
| UniRef90_I7LG60 | M E F N V K T N K R E E F I N D | T D K I T S A V Q E S S G | V R N G I A I I F V P H | | |
| UniRef90_E1R8G5 | L N I K T S G R S D S M V D | T H K I E E T I S K S G | C M V Y I P | | |
| UniRef90_B7IGH8 | L E V P T K T R N E F I D | T V D V N R I V Q K S G | C V V F V P H | | |
| UniRef90_I3J7T9 | K I P V K T Q G R T E F V D | T G E V E R I V S Q S G | T C H F T P H | | |
| UniRef90_A5D3M9 | F T I E L S T S K S T Q M V D | T D M V R Q E V R K G | A I L Y V P | | |
| UniRef90_M1ZEP8 | M E Y T I K T S R P E E M I D | T D M V A R A V E E S S G | V T V F V P | | |
| UniRef90_F8EYS8 | M Q F T I R T D R E A Q L I N D | T K E V E E E V K K S G | V K E E G I C V V F V P H | | |
| UniRef90_Q8R842 | I N T P L R E V M I D | T S M V R E Q V R G S G | C C V V F V P H | | |
| UniRef90_C0QSZ8 | I E V V T Q K R T H F E D | T D A V Q E V I D E S S G | D E G I C C V V F V P H | | |
| UniRef90_X1G7V7 | E I T I Q T N T Q T Q S I L D | T A Q V K Q V V S E S S G | T E G I C C V V F V P H | | |
| UniRef90_D9TST0 | L K I L N T H S R E S M I D | T E E V K S A I K S S S G | K D G I C T V F V P H | | |
| UniRef90_R7KRH9 | K L R L S T P K E G F I K | T R D V E S L V A E S S S G | K E G I C V V F C P H | | |
| UniRef90_H5SI59 | K L Q K T Q A K Q E L I E | T D R V A R A V R E S S A L | S D D G L C T I F V P H | | |
| UniRef90_B2V8Z3 | I T I N L R T K S H T D F I D | T D L I S Q A I V K E S S R | S D S G L C T Y V P H | | |
| UniRef90_Q2LUY6 | F T V K S D E R V E M I D | T A R I R A A V R Q S S G | V T S G L C Q V F V P H | | |
| UniRef90_Q3ZA70 | L E I P S R S Q T E F I D | T S R I S S L I T Q S S G | V R T N G L V H V F S M H | | |
| UniRef90_I5B3R0 | M Q F S I K T G A R T Q M M D | T A Q V R D I V R Q S S G | V C Y Y V P | | |
| UniRef90_D5X889 | E L T I R T G A R D Q M L D | T T D V R A L V Q S S S G | V C Y Y V P | | |
| UniRef90_Q58481 | F K Y Q K T N K R E E L V D | T P Y I I S A I S E S S K | V K D G I A V I Y P | | |
| UniRef90_R4K8P0 | M K Y E I K T T K S Q E L V D | T N I V R E A V R K N D I | V N D G I V T V F I P | | |
| UniRef90_UP10003730E4A | E F Q L E T P R E D Y I N | T G Q V R T A L V R K S G | I Q D G M C I V F C P H | | |
| UniRef90_M5DXJ6 | K L S I K T N D K V E L I D | T T E I Q N A V V K K A G | L V Q I H I P | | |
| UniRef90_W7UBS9 | F N F K L S T P A E G L V D | T N E V S E A V V K E S G | G V L E G I C L V F C P H | | |
| UniRef90_Q39XQ5 | L E I R S R A K A E F I D | T S M V R E Q V R G S G | V T C G I C H I F V L H | | |
| UniRef90_I3E8J9 | K F T I R T N K R D E F Y E V | T S E V E K A V V K N S S G | I K E G V A I Y C P H | | |
| UniRef90_C0EH44 | T T D A Q N Q F H N | T R Q V E Q A V R V E D G | C V H C P H | | |
| UniRef90_D9S214 | I N V E T T A R T Q M V D | T Y E V V R K A I S E R F S G | C F V F V P H | | |
| UniRef90_W8TJF9 | M D Y S I R T G K S Q E F I D | T H V I R E E V S R S S G | A V V F V P H | | |
| UniRef90_E4RJF1 | E L S I E S K D R V E F I D | T Y K K I K K I V E N S S G | E S G L L Q I H L P | | |
| UniRef90_B8I297 | Q F S I S T E R Q N F Y N | T S K V A E S I S Q C G | T D G A V I V F C P H | | |
| UniRef90_B8FMV5 | M Q F T V V S T T R S R T E M V D | T S R V Q Q D F I V R E D | V D Q D G A V M V F V P H | | |
| UniRef90_R7FEG9 | Y T L D T P A E D F C P H | T A Q V Q G A V A E S S G | V Q D G A V I C L Y F C P H | | |
| UniRef90_C0GCG3 | K F Q L S T T N N R S Q M L N | T Q K V Q E E A I G E A G A | K E G L V T Y C P H | | |
| UniRef90_D3T4F9 | F E I N T P V R E V M V D | T D M V M Q E I I R K S G | I V D G A C V I F V P | | |
| UniRef90_UP100047C0033 | I E L E I A T R Q R E E M I N | T G M V M R E E L K K H G | V Q D G I C Y V F V P H | | |
| UniRef90_A8ZTY3 | I S F S V E T R Q R K E M T D | T A E V V R R A V V S S A G | M E N G A V V V F V P H | | |
| UniRef90_D1YZG7 | E V G V P T S M R A Q M V D | T S Q V V S E L A S S S G | K S G M C Y V Y P H | | |
| UniRef90_F6CIW9 | L T V N T T A R S Q L V D | T S Q V R K I I V Q A E K I | P E G C C H L F V P H | | |
| UniRef90_X0ZW59 | L N I K T T S S R I L M V D | T D K I A S L I S K S Q N I | S S G I C Y L F V P H | | |
| UniRef90_O05243 | L Q I K T T K R D E M I D | T R E V E A F L Q E T G I | T S G A A L I Y C P H | | |
| UniRef90_UP100037BB708 | Q Y S L D T P Q E G F V D | T G Q V Q K A L V R E S S G | V S E G T A M F V P H | | |
| UniRef90_E6UBJ8 | K Y S I R T D R E G G L Y N | T S Y V V R Q T L N E S T G | G V S E G I A V I F C P H | | |
| UniRef90_U2DV72 | F Q L S T G E H S F H D | T S Q V R E Y I D K D S A I | R E E G I A V V F T P H | | |
| UniRef90_D9SUN7 | F Q F S V S T S K F Q E F V D | T Y L I K D A I D K S A I | E E G I A V I Y C P H | | |
| UniRef90_K4LEV3 | I E F P V R T T K R V E M V E | T P T I N N I C K E R G | I N E E G I L T T V Y V P H | | |
| UniRef90_A9BJ61 | Y S L K T H N R E E M I D | T S Y I Q Q S V E N S K I | E E G I L T T V Y V P H | | |
| UniRef90_C7N2D5 | F Q L Q T S A F S F H D | T A Q V K Q A V R E S G | G V E G I L C T V Y C P H | | |
| UniRef90_UP10003B59D25 | E I I V Q T S S R S Q L I D | T K E L K R L I R K N E W | W K D G L L A V W T P H | | |
| UniRef90_R8VUI9 | F T L H T D R Q G Y Y N | T A A V K K K C I S D S S G | V R S G L C V V F C P H | | |
| UniRef90_I4BZ94 | M A H T L R T K A R E E L I D | T R T V E E D V S F S S G | G I C V V Y P H | | |
| UniRef90_X1FJ55 | I N I N T P Q R R E E L L M D | T R E I N N I V S E S S N I | I Q N G V V C R I F V P H | | |
| UniRef90_C4XLT9 | M E L E L R T P R R E E L V R I | T P A L T D L I A A K G W Q | D G A V V V Y C P H | | |
| UniRef90_D5DPC1 | F T L K T N K R D E M I D | T S Q V Q A V L R T E G | L K E G A V V V Y T P H | | |
| UniRef90_D3PCK9 | I K F N V K S T K R E Q L I D | T T E I V K K I I N N E G W D | D D G I L L L I Y T P H | | |
| UniRef90_I9MHR5 | E F T I H T P R E G F F I D | T G Q V A D L L R Q H Q G | E K N L C Q V F V S H | | |
| UniRef90_F4A249 | K L D V V T T Q R Q Q F I D | T N E I Q T L V D R S D I | T N G I C M I Y V P H | | |
| UniRef90_D7CNK0 | F T V S V K T R Q R T E I I D | T G N I E Q L V A S S S G | V T V F V P H | | |
| UniRef90_F4LVS2 | K I A I K T D R R N R Q M L D | T S I V Q K S S V S E S S G | V K N G I C Y I F V P H | | |
| UniRef90_UP1000289A572 | F T L H T K Q R D E M I D | T E Q V R R S F L R E E G | G L E N G L A I I Y C P H | | |
| UniRef90_UP100034BDFOF | L H L K T T S S R D Q M I D | T D Q I E E W I H E I G I | Q D G L L V V V S S L H | | |
| UniRef90_L0K8D1 | F T V Q T N Q H S Q L V D | T L Q I Q E V I H D Q T Q | V N E G I C V V F I P | | |
| UniRef90_D7EA27 | F N L N T K S R N E M V D | T S E V K N A L K E L N | A D N G I A T I Y C R H | | |
| UniRef90_UP1000366B391 | F T T T S K R T Q F I P D | T D S Y I E Q F I Q E T G | R G K N G I V C V Y V P H | | |
| UniRef90_E6U4S0 | F T T T S K R T Q F I P D | T R T V E L F I V Q T G | V R E G L C L V F C P H | | |
| UniRef90_UP10003B3E91B | Q F S V Q S A R R E E F I D | M T A R V Q E A V V S E | L K C D G I C V V F T P H | | |
| UniRef90_B4RG56 | L T V Q T P G Q G L H E I | L T R E V V A A F V A D E | G M A T G L L T L F C R H | | |
| UniRef90_F8E611 | M E I K I N S T E N K Q L I D | T S K V T S I V D K A G F | L E G A V F V T P H | | |
| UniRef90_UP10001E8925F | M E I K I N S T E N K Q L I D | T S K V T S I V D K A G F | L E G A V F V T P H | | |
| UniRef90_D3DJL5 | L N L Q T H K R D E W Q D I | T A K V E S L V Q K S S G | V K E G H V M V Y C P H | | |
| UniRef90_U5SEM6 | F S V R T T K R T S I V N D | T S Y V V K E E V V K K S S G | I R S G F C V V Y P H | | |
| UniRef90_C8WZ50 | F E L L T E E K Q T F V N D | D E Y L Q Q V L C K S S G | G V K N G L M L V F C P H | | |
| UniRef90_UP10004788ED1 | L E I T V S T S K R E E F V D | T E Q V R R V C G D K G | W Q D G V V L L H C A H | | |
| UniRef90_E0R9L7 | Q L R T S R R D E M I D | T R Q V V A S I L V S R A G | A D E G I A L V Y C P H | | |
| UniRef90_UP1000363FCEE | L E L S T T R R D E I R D I | T R E V V A S L I E K S G | V I Q Q G T A L V Y Y C P H | | |
| UniRef90_A6CJN3 | Q F E I S T S K R D E M I D | T G W V V N R L L A E Q G | E I D G L L C C I F V P H | | |
| UniRef90_UP100037FBB28 | M E L E I R T S T R E E L I D | T E D V V Q G W I D E Q G | I Q D G I V I V Y Q S M H | | |
| UniRef90_B8DN04 | M E L L S R T T A R E Q L L D | T S R V V Q A V V V S E K N | W Q D G A L L L F C P H | | |
| UniRef90_E6U1Q5 | L L K T N T R D E M L D | T N E V Q N F V N E Q G | G V V Y I Y C P H | | |
| UniRef90_UP100047A5A01 | K M T V N T K K H D E M V D | T S D V Q Q F V Q N Q K L | H S G V V Y I Y C P H | | |
| UniRef90_E5WMQ6 | K F T V N T S E R D E Q F L E | T S E V Q A Y I N Q C G | I E G A A I V Y C P H | | |
| UniRef90_G0GF61 | I T L S T H R R E E L I D | T R E V E A V V V A R S G | G V Q S G L C N V Y V Q G | | |
| UniRef90_Q2RID6 | F T F D L Q T Q A K E A M I D | T H L A A K T V K E A G | G I Q F C L V Y V P H | | |
| UniRef90_UP1000364E7F9 | I E L T I K T S S R R A S I D | T K Q V E D A V V R S A G | V S E G I C T I Y V V P H | | |
| UniRef90_C8W5G1 | L E L S T S Q Q Q F Q L D | T S Q I N T I V N E Q T I | G I C Y I F V V P H | | |
| UniRef90_K2E5G4 | K I T V K T K Q K K N D L I D | T S E I K G M V E A L N | L V Q D G I C L V F C P H | | |
| UniRef90_I9X0P0 | L T I A T P G Q G F T D F T G A V A E F V R D S G | I R D G L V T L F C R H | | | |

| QUERY | 50 | 60 | 70 | 80 |
|------------------------|---|----|----|----|
| UniRef90_A5IL70 | T T A G I T N E N A D P D V T R D I L V N L D K V F P K V G D Y K H V E G N S | | | |
| UniRef90_K0NQN3 | T T A G I T N E N A D P S V R Q D M N T L N K L V P P S A G Y T H L E G N A | | | |
| UniRef90_F0S129 | T T A A V V T I N E N A D P A V E T D L N T I N K V I P W D H F K H M E G N S | | | |
| UniRef90_R7RSY8 | T T A G V T I N E N A D P D V V R D M I V T L D K V F P K V G D Y W H V E G N S | | | |
| UniRef90_A3DBL5 | T T A G I T N E N A D P D V V S D I L T E I N K I V P F E D G Y S H G E G N S | | | |
| UniRef90_I7LG60 | T T A G V T I N E N A D P D V T I D M I N G L N E I V P N L K K F R H I E G N S | | | |
| UniRef90_E1R8G5 | T T C A V T I N E N A D P A V K H D I M A E L D K I V P W K D A Y H H M E G N S | | | |
| UniRef90_B7IGH8 | T T A A V V T I N E N A D P S V K S D I V K T L N K V I P A N W D Y T H I E G N S | | | |
| UniRef90_I3J7T9 | T T A A V V T V N E N A D P S V Q R D I I S E L N K I V P W D G R Y S H T E G N S | | | |
| UniRef90_A5D3M9 | T T A G L T I N E N A D P T V T A D I L M E L N K I I P F D D G Y R H T E G N S | | | |
| UniRef90_M1ZEP8 | T T A G V T I N E N A D P D V V H D I L L G L K K A F P E N I G Y R H A E G N S | | | |
| UniRef90_F8EYS8 | T T A G V T I N E N A D P T V K E D I L S A L D K I I P F D P K S P A Y R H G E G N S | | | |
| UniRef90_Q8R842 | T T A G I T N E N A D P T V K E D I L S A L D K I I P F D P K S P A Y R H L E G N S | | | |
| UniRef90_C0QSZ8 | T T A G V F I N E N A D P D V K W D I E K T L D K L I I P W E D Q Y S H V E G N S | | | |
| UniRef90_X1G7V7 | T T A G V T I N E N A D P S V K Q D I V M E L N K I I P F D D N Y S H S E G N S | | | |
| UniRef90_D9TST0 | T T A G V T I N E N A D P D V K D D I I R G L D E I I P N I R F K H M E G N S | | | |
| UniRef90_R7KRH9 | T T A G I T N E N A D P D V V R D L T Y A M N I T S P D R P E Y R H A E G N S | | | |
| UniRef90_H5SI59 | T T A A V V T I N E N A D P A V K E D I L S A L G R L V P A G P H Y K H A E G N A | | | |
| UniRef90_B2V8Z3 | T T A G V F I N E N A D P D V V Y D V K N H L E E K L V P W M M N Y K H I E G N A | | | |
| UniRef90_Q2LUY6 | T T A A V V T V N E N A D P A V P R D I L M G L S K I V P F G D P Q Y R H M E N S | | | |
| UniRef90_Q3ZA70 | T T A G L T I N E N A D P D V I T D I K A Q L E R I V P A V T P F L H S E G N S | | | |
| UniRef90_I5B3R0 | T T G A V T I N E N A D P A V P V D I L S C I N K N V I P F D D N F K H M E G N S | | | |
| UniRef90_D5X889 | T T A G I T N E N A D A S V T R D I L Y E L D K M V P W N D G Y R H M E G N S | | | |
| UniRef90_Q58481 | T T A G I T N E N A D P S V K H D I I N F L S H L P K N W N F T H L E G N S | | | |
| UniRef90_R4K8P0 | T T A G V T I N E N A D P D V V T D M L S A L N K A F P V E N G Y L H V E G N S | | | |
| UniRef90_UP10003730E4A | T T A G I T N E N A D P D V V E D M L F A M S K M Y P D R L E Y K H A E G N T | | | |
| UniRef90_M5DXJ6 | T T A A V V T I N E N A D P D V K A D I K K E I N K I V P F D D N Y A H L E G N S | | | |
| UniRef90_W7UBS9 | T T A A I T I N E N A D P D V Q T D F I K G M D R F F P D L Q F R H A E G N S | | | |
| UniRef90_Q39XQ5 | T T A G L T I N E G A D P A V Q R D I L T Y L D R L V P R D P Y F T H K E G N S | | | |
| UniRef90_I3E8J9 | T T A G I T N E N A D P D V K R D M I R R F D E I Y P W H H T L D R H M E N T | | | |
| UniRef90_C0EH44 | T T A G L T V N E N A D P D V V S D L L Y A L D K T P D R P E F R H I E G N T | | | |
| UniRef90_D9S214 | T T A G V T I N E N A D D D V K T D I I N A L N R L I P Q R G D Y R H V E G N S | | | |
| UniRef90_W8TJF9 | T T A G I T N E N A D P D V V H D I I S S L E K A F P E K G D Y R H F E G N S | | | |
| UniRef90_E4RFJ1 | T T A A V V T I N E N A D P S V K S D I K K E L L N K I V P F E D N Y S H L E G N S | | | |
| UniRef90_B8I297 | T T A G I T N E N A D P D V V R D M L Y G L D K A Y P D R T E F R R H Y E G N S | | | |
| UniRef90_B8FMV5 | T T A G V T I N E S A D P D V A R D I I M A L N I L V P D N L D Y R H A E G N S | | | |
| UniRef90_R7FEG9 | T T A G I T N E N A D P D V V T D L L L A Y R K A F P D R P E F R H A E G N S | | | |
| UniRef90_C0GCG3 | T T G G I T N E G A D P D V V R D I L L H L D K L Y P W D S P D F R H E G N S | | | |
| UniRef90_D3T4F9 | T T A G V T I N E N A D P T V R E D I M A A L E R V I P N M R F K H M E G N S | | | |
| UniRef90_UP100047C0033 | T T A G V T I N E N A D S D V K R D I L S G F K A M V P D I P Y R H V E G N S | | | |
| UniRef90_A8ZTY3 | T T A G V T I N E N A D P D V R R D I L A H M A T L V P E D T P F A H S E G N S | | | |
| UniRef90_D1YZG7 | T T A G V T I N E N A D P D V V T D I L N G L E R L V P L K G N Y R H A E G N S | | | |
| UniRef90_F6CIW9 | T T A G I T N E H A D P S V A Y D I L S E L D R L V P R E G N Y R H L E G N A | | | |
| UniRef90_X0ZW59 | T A A G I T N E N A D F T V Q L D I I N S K L S K L I P P G N H Y S H L E G N S | | | |
| UniRef90_O05243 | T T A G I T N E N A D P D V K K D M L R R F D E V Y P W E H E L D R H M E N T | | | |
| UniRef90_UP100037BB708 | T T A A V V T V N E N A D P D V L H D I L R L A L A A L V P K L P Y R H G E G N S | | | |
| UniRef90_E6UBJ8 | T T A A I T I N E N A D P D V Q T D L L F A L D K T Y P D R P Q F K H M E G N S | | | |
| UniRef90_U2DV72 | T T A A I T I N E N A D P D V L R D L I S T G L D K T K F P P L R E Y R H F E G N S | | | |
| UniRef90_D9SUN7 | T T A G I T N E N A D P D V V R D M I V T L D K V I F P I K G D Y R H F E G N S | | | |
| UniRef90_K4LEV3 | T T C G I M V N E H A D P S V V H D I I A G T L E K L I P F E A D Y R H T E G N S | | | |
| UniRef90_A9BJ61 | T T A A V V T I N E N A D P S V R K D I T D F L I R N K I P K S T E Y S H L E G N A | | | |
| UniRef90_C7N2D5 | T T A A I T V N E N A D P D V Q R D L K F A L I D A F R D R P E F R H A E G N S | | | |
| UniRef90_UP10003B59D25 | T T A A I T V N E N A D P D V P A D I T S F L I N N K I P K N W G F S H M E G N S | | | |
| UniRef90_R8VUI9 | T T A A I T I N E N A D P D V R H D L V M G M D G A F P I R S G F Q H A E G N S | | | |
| UniRef90_I4BZ94 | T T A A V V T I N E H A D P D V R Q D I L K Q L K V L V P K D C D Y S H L E G N S | | | |
| UniRef90_X1FJ55 | T T A A I T I N E N A D P S V K K D I I N G L K L I P Q N A G F R H M E G N S | | | |
| UniRef90_C4XLT9 | T T A G L T V N E D A D P D V A T D M V M A M M N R L I P R E A G Y R H A E G N S | | | |
| UniRef90_D5DPC1 | T T A G I T N E N A D P D V K T D M I R R F D E V Y P W E H K L D H M E G N T | | | |
| UniRef90_D3PCK9 | T T A A I T I N E N A D P T V K D D I I S F L N N K K I P I D Y P F R H L E G N S | | | |
| UniRef90_I9MHR5 | T T A G V T I N E N A D P D V I K D M L L A L N H M V P E L D Y Q H G E G N S | | | |
| UniRef90_F4A249 | T T A G V T I N E N A D P D V M A D V A E Y L N K A V P R Y G H Y A H V E G N S | | | |
| UniRef90_D7CNK0 | T T A G I T N E N A D P T V K Q D I I L A T L L A Q I P I P A K T G Y Y Q H E G N S | | | |
| UniRef90_F4LVS2 | T T A A V V T I N E S A D T D V A N D I L E T L L S K L I P Y K D S Y R H V E G N S | | | |
| UniRef90_UP1000289A572 | T T A G I T N E N A D P D V Q H D V L L R L D E V Y P W K H P R Y H A E G N T | | | |
| UniRef90_UP100034BDF0F | T T A G I T V N E N A D P D V K R D M L M R L D E V Y P W E H P K D R H M E N T | | | |
| UniRef90_L0K8D1 | T T A A V V T I N E N A D P T V K G D I L T K L E N L I P W N D N Y K H L E G N S | | | |
| UniRef90_D7EA27 | T T G G I T N E N A D P S V Q H D I I E F F L I N K L I V P A N Q S Y F K H M E N A | | | |
| UniRef90_UP1000366B391 | T T A G I T N E N A D P D V L Y D I E K T L I D T L I P W N G N Y K H A E G N S | | | |
| UniRef90_E6U4S0 | T T A G V T I N E N A D P D V L H D L I N Y T F E R A F P K L P A Y L H M E G N S | | | |
| UniRef90_UP10003B3E91B | T T A A V V T I N E N A D S D V V R D I L H G L E A I V P G K G Y H H A E G N S | | | |
| UniRef90_B4RG56 | T S A S L L Q E N A D P D V R R D L E D W V A K L I P E S P S Y R H G P D D M | | | |
| UniRef90_F8E611 | T T A G I T N E N A D P D V S R D I V G M R L S K L I P K S Y P F A H M E G N S | | | |
| UniRef90_UP10001E8925F | T T A G I T N E N A D P D V K D V M R L D E V Y P W E H P K Y R H M E N T | | | |
| UniRef90_D3DJL5 | T T A A V V F I N E G A D P D V V R D I A Y M L E R L I P W E D H T Y H S E G N S | | | |
| UniRef90_U5SEM6 | T T A G I T N E N A D P D V K K D L S L G L D Q T F P N K K E Y V H M E G N S | | | |
| UniRef90_C8WZ50 | T T A G L T V N E S A D P S V C R D I L A H L R Q S V P H M A G Y E H G E G N S | | | |
| UniRef90_UP10004788ED1 | T T A G I T A N E N A D P D V K H D V L M R L D E V Y P W E H P K Y R H E G N T | | | |
| UniRef90_E0R9L7 | T T A G I T A N E N A D P D V K H D V L M R L D E V Y P W E H P Q Y R H M E N T | | | |
| UniRef90_UP1000363FCEE | T T A G I I V N E H A D P T V A A D V L Q H L R Q L V P A T G S Y R H L E G N S | | | |
| UniRef90_A6CJN3 | T T A G I T T V N E N A D P D V K T D F L M R L D E V Y P W E H P K Y R H M E N T | | | |
| UniRef90_UP100037FBB28 | T T G A V V T V N E G A D P D V A R D I S V N M R H I V P F P W N H K K D R H R E N T | | | |
| UniRef90_B8DN04 | T T G A V V T V N E A A D P D V A R D I L A V N M G T I V P R R G D Y R H A E G N S | | | |
| UniRef90_E6U1Q5 | T T A G I T I N E N A D P D V K H D M I M R L D E V Y P W E H P K Y R H V E N S | | | |
| UniRef90_UP100047A5A01 | T T A G I T T V N E N A D P D V K H D M I M R L D E V Y P W E H P K Y R H A E G N S | | | |
| UniRef90_E5WMQ6 | T T A G I T T V N E N A D P D V K T D L I R R F D E I V P W D Q K D H M E G N T | | | |
| UniRef90_G0GF61 | A T A G I M Q E N W D D S V Q E D A I D L L R R L I P R V W R H D R Q D G N G S | | | |
| UniRef90_Q2RID6 | T T A G V T I N E N A D P D V V T D I L A A L A R I V S A G G Y R H G E G N S | | | |
| UniRef90_UP1000364E7F9 | T T A G L T I N E H A D P S V I R D V M N A L V K L T A G M E W T H L E G N S | | | |
| UniRef90_C8W5G1 | T T A G I T N E H A D P S V V K D M I R E L N K V I P F P D N Y S H L E G N S | | | |
| UniRef90_K2E5G4 | T T A S I T I N E A F D P A V K G D F M F S M N K I S P D Y K E F R H T E G N S | | | |
| UniRef90_I9X0P0 | T S A S L T I Q E N A D P D V Q T D L M A A L D G F A P R G A P Y V H G P D D M | | | |

| QUERY | | 90 | 100 | 110 | 120 |
|------------------------|-------|---|---|-----|-----|
| UniRef90_A5IL70 | H A H | I K A S L M G S S Q Q I I E N G K | I K L G T W Q G I Y F T E F D G P R D | | |
| UniRef90_K0NQN3 | D S H | I K A S L V G S S V T L I I E N G R | P L L G T W Q G I Y F C E F D G P R T | | |
| UniRef90_F0S129 | A A H | I K V S L F G P S E I I P L E N G S | L V L G T W Q G I Y F C E F D G P R N | | |
| UniRef90_R7RSY8 | H A H | I K A S L M G S S C S V I I E G G E | L K L G T W Q G I Y F C E F D G P R S | | |
| UniRef90_A3DBL5 | A A H | I K A S L F G S S Q Q I I E N S R | L L L G T W Q G I Y F C E F D G P R N | | |
| UniRef90_I7LG60 | D A H | I K A S L I G C S Q T V I I E N G N | L K L G T W Q G I Y F C E F D G P R L | | |
| UniRef90_E1R8G5 | A A H | I K S S M F G F S Q T I P I T E G A | L P L G T W Q G I Y F C E F D G P R S | | |
| UniRef90_B7IGH8 | D S H | I K S T L V V S P S I T L I I E N G K | L V L G T W Q G I Y F C E F D G P R R | | |
| UniRef90_I3JIT9 | A A H | I K S T L V G S S V V S I P I I S D G K | L A L G T W Q G I Y F C E F D G P R R | | |
| UniRef90_A5D3M9 | A A H | I K S S L V G V S L S V F V T G G R | L L L G T W Q G I Y F C E F D G P R R | | |
| UniRef90_M1ZEP8 | H A H | I K M A S V M G A S C M V M I E N G E | R K L G T W Q G I Y F C E F D G P R Q | | |
| UniRef90_F8EYS8 | H A H | I L K A S A M G S S V T V M I E A G R | L K L G T W Q G I Y F C E F D G P R Q | | |
| UniRef90_Q8R842 | D A H | I K A S L V G S S V V T V L I I E N G E | L V L G T W Q G I Y F C E F D G P R R | | |
| UniRef90_C0QSZ8 | A A H | I K S V L T G N S S L Y I P V K N G K | L L L G T W Q G I F F F A E F D G P R D | | |
| UniRef90_X1G7V7 | A A H | I K A S I I G S S V N I P L K N N N | G I W Q G I C F C E F D G P R T | | |
| UniRef90_D9TST0 | D A H | I K S A L V G N S S A N L I V E N G E | I Q L G T W Q G I Y F C E F D G P R S | | |
| UniRef90_R7KRH9 | H A H | I K M A L M T G S S V T V I I S G G K | L L L G R W Q G I Y F A E Y D G P R S | | |
| UniRef90_H5SI59 | H A H | I R A S S L L G H S V T V P V E A G R | L V L G T W Q G I L F C E F D G P R Q | | |
| UniRef90_B2V8Z3 | A A H | I K S I L T G N S S E N I I I E N G R | L L L G T W Q G I F F F A E F D G P R N | | |
| UniRef90_Q2LUY6 | D A H | I K T S L V G S S E M V I I I E N G G | L V L G T W Q S V Y F C E F D G P R T | | |
| UniRef90_Q3ZA70 | A A H | I V K T S L M G S S L N L I I E E G R | L L L G T W Q G I Y F C E F D G P R R | | |
| UniRef90_I5B3R0 | A A H | I K V S L F G P S E T V G L E N G N | L V L G T W Q S L F F C E F D G P R T | | |
| UniRef90_D5X889 | A A H | I K A S M M G F S Q M V I I R N G D | L Q L G A W Q G I Y F C E F D G P R N | | |
| UniRef90_Q58481 | D A H | I K S S L V G V C S Q T I I I K D G K | P L L G T W Q G I Y F A E F D G P R R | | |
| UniRef90_R4K8P0 | H A H | I K A S L M G S S C N V I V E N G E | L L L G T W Q G I Y F C E F D G P R S | | |
| UniRef90_UP10003730E4A | T A H | I L K A G S I G G S S V T M I I D Q G K | L I L G T W Q G I Y F C E F D G P R S | | |
| UniRef90_M5DXJ6 | A A H | I K S S L F G V N Q S I M V E N R K | L L L G T W Q G I Y F C E F D G P R T | | |
| UniRef90_W7UBS9 | D A H | I K S S A V G A S E T L I I T G G K | L L L G T W Q D I Y F C E F D G P R T | | |
| UniRef90_Q39XQ5 | D A H | I K S T L T G T S L T V F F E N E G K | L L L G T W Q S I Y F C E F D G P R Q | | |
| UniRef90_I3E8J9 | A A H | I K M A S T V G A S Q Q I I I S N G E | L L L G I W Q G I Y F C E F D G P R T | | |
| UniRef90_C0EH44 | T A H | I L K A S C M G N S S V T L P V E R G | V L G T W Q G I Y F C E F D G P R S | | |
| UniRef90_D9S214 | D A H | I K A T L V G S S V V V L I E D G R | P V L G T W Q G I V L F C E F D G P R K | | |
| UniRef90_W8TJF9 | H A H | I K A S L T G S S C N L I I I E N G K | L K L G I W Q G I Y F C E F D G P R S | | |
| UniRef90_E4RFJ1 | A A H | I K S S L I G V D Q N L I I I Y N Q Q | L K L G K W Q G I Y F C E F D G P R R | | |
| UniRef90_B8I297 | S A H | I L K A S A V G S S Q Y I I F E E G K | L L L G T W Q G I Y F C E F D G P R N | | |
| UniRef90_B8FMV5 | P A H | I K S S M M G V S S V L M E V S G G R | L V L G T W Q G V Y F C E F D G P R T | | |
| UniRef90_R7FEG9 | S A H | I A R A S A V V G S S A M I P V T K N G R | L V L G T W Q G V Y F C E F D G P R R | | |
| UniRef90_C0GCG3 | A A H | I L K A S T V G P S Q T I I P I T N G E | M V L G T W Q S I Y F C E F D G P R T | | |
| UniRef90_D3T4F9 | D A H | I K A S L M G F S V T L I I E N G K | P L L G T W Q G I Y F C E F D G P R R | | |
| UniRef90_UP100047C0033 | D A H | I K A S L V G V A C V V S V F E V E K G | E K E L V L G T W Q G I Y F C E F D G P R R | | |
| UniRef90_A8ZTY3 | D A H | I V Q A T L V G S S S V M V I V E N G R | E L V L G T W Q S V F F C E F D G P R T | | |
| UniRef90_D1YZG7 | D A H | I K A S L M G F T V V A V P V I D G R | L A L G T W Q G I Y F C E F D G P R R | | |
| UniRef90_F6CIW9 | D A H | I K A S L V G V S S L T V L V T G Q Q | V L V L G T W Q G I Y F C E F D G P R Q | | |
| UniRef90_X0ZW59 | D S H | I K S T V V G S S S L N I I I D K N R | P V L V L G T W Q G I Y F Y E E F D G P R N | | |
| UniRef90_O05243 | A A H | I K M K S S T V G A S Q H V I V E N G R | L I L G T W Q G I Y F C E F D G P R T | | |
| UniRef90_UP100037BB708 | P A H | I L K S S L F G C S Q L V P I F N G K | L A L G T W Q G I Y F C E F D G P R R | | |
| UniRef90_E6UBJ8 | A A H | I L R S S C V G A S E T V I I I E D G T | L L L G T W Q G I Y F A E F D G P R T | | |
| UniRef90_U2DV72 | D A H | I M K S S L M A P S L S I I I S E G R | P I I L G T W Q D I Y F C E F D G P R R | | |
| UniRef90_D9SUN7 | H A H | I L K S S L V Y V G A E K T I I I N D G M | P I I L G T W Q S V Y F C E F D G P R N | | |
| UniRef90_K4LEV3 | A A H | I K A A L T G V G V S L T I I P V S G G R | G R I L L L G T W Q G V F F C E F D G P R Q | | |
| UniRef90_A9BJ61 | D S H | I K S T L V G P T L S I I I E N G K | L L L G T W Q G I Y F C E F D G P R N | | |
| UniRef90_C7N2D5 | H A H | I L K S S L I G V A S E T I I I P I S N G | S L T L G T W Q G I Y F C E F D G P R N | | |
| UniRef90_R8VUI9 | D A H | I K S S L V G C S E T I I I M V E D G K | M L L G T W Q G I F F F C E F D G P R N | | |
| UniRef90_I4BZ94 | D A H | I K S S L I G A S Q V I P I Y D G R | A V L L M L G A W Q G I F F C E F D G P R D | | |
| UniRef90_C7XJ55 | D A H | I K S T L V G P S L E I I I V N N K R | L M L G A W Q G I M F A E F D G P R N | | |
| UniRef90_C4XLT9 | D A H | I V K T T L V G P S L T L I I V S S S G R | L V L G T W Q G V Y F C E F D G P R T | | |
| UniRef90_D5DPC1 | A A H | I L K A S T V G S S Q H I I V H D G Q | L Q L G T W Q G V Y F C E F D G P R T | | |
| UniRef90_D3PCK9 | D A H | I K S S V I G C S E Q V I I E N G K M V | L L L G T W Q G I F F F C E F D G P R N | | |
| UniRef90_I9MHR5 | R A H | I V K A S M I G S S S V T I I P I V N G | S L Y L G T W Q G I Y F C E F D G P R K | | |
| UniRef90_F4A249 | D A H | I K S S F F G C S Q I V P I V D G K | L K L G R W Q A V Y F C E F D G P R P | | |
| UniRef90_D7CNK0 | D A H | I K A S L V G G S S V N V I I H N G H | L V L G T W Q G V M F C E F D G P R Q | | |
| UniRef90_F4LVS2 | D A H | I K A S L I G D T A M L I I I E D G R | P V L L G R W Q G I F F F C E F D G P R N | | |
| UniRef90_UP1000289A572 | A S H | I K A I T T G S S Q T V I I I N R N R | N L V L G Q W Q G I Y F C E F D G P R Q | | |
| UniRef90_UP100034BDF0F | A A H | I K T S T V G H A A Q T I I I S N G R | N L V L G T W Q G V Y F C E F D G P R S | | |
| UniRef90_L0K8D1 | A A H | I K A S L V G G S S E Q I I I E N G K | L E L G T W Q G I Y F C E F D G P R T | | |
| UniRef90_D7EA27 | D S H | I V K S S I I G T S E Q V I I I E E G K | P V L L G R W Q G V F F T E F D G P R N | | |
| UniRef90_UP1000366B391 | P A H | I V K A S L M G S S V Q V I I I Q N G K | P V L L G T W Q S V F F C E F D G P R T | | |
| UniRef90_E6U4S0 | D A H | I M K S T L V G A S E T V I I I H G G R | L L L G R W Q G L Y F C E Y D G P R T | | |
| UniRef90_UP10003B3E91B | P A H | I K S T L V G C S E Q L V I I E N G K | L V L G T W Q G I Y F C E F D G P R N | | |
| UniRef90_B4RG56 | P A H | I R L A L T T V Q L S V P V V G G R | L A L G T W Q G I Y F C E F D G P R R | | |
| UniRef90_F8E611 | D A H | I L M S S V I G C S E L I P V E N G K | M T G T W Q G I Y F C E F D G P R R | | |
| UniRef90_UP10001E8925F | A A H | I L K A M T L G N S Q Q I I I I Q N G E | L V L G T W Q G I Y F C E F D G P R H | | |
| UniRef90_D3DJL5 | A A H | I R S A I I I G N S R V I P V E N G E | L L L G R W Q E S I F L A E F D G P R E | | |
| UniRef90_U5SEM6 | D G H | I M K S S V I G A S E T L I V S K G Q | L I L G T W Q S V Y F C E F D G P R K | | |
| UniRef90_C8WZ50 | D A H | I K S S L M G C S Q V Q V L V A N G R | L A L G T W Q G I F F T E F D G P R Q | | |
| UniRef90_UP10004788ED1 | A A H | I K A I I T A G S S S Q S V I I T G G R | L L L G R W Q G I Y F C E F D G P R R | | |
| UniRef90_E0R9L7 | A S H | I L K S I I T T G P S Q T I I I H D G K | L L L G R W Q G L Y F C E F D G P R R | | |
| UniRef90_UP1000363FCEE | D A H | I K A V L C G S S S L T L P V A G G R | L A L G T W Q G V F F F C E F D G P R T | | |
| UniRef90_A6CJN3 | A A H | I K T S T V G H S Q T L I I I S G G K | L L L G T W Q G I Y F C E F D G P R S | | |
| UniRef90_UP100037FBB28 | D A H | I K A S M F G P D Q M L I I V E N G R | V Q L G T W Q A I Y F C E E F D G A R S | | |
| UniRef90_B8DN04 | D A H | I K T S L L F G P S M L I I V D G G R | L R L G T W Q G V Y F C E F D G P R E | | |
| UniRef90_E6U1Q5 | A S H | I L K A S T V G A S Q V V I I E D G N | G N L I L L G T W Q G I Y F C E F D G P R N | | |
| UniRef90_UP100047A5A01 | A S H | I L K A S T V G T Q Q T L I I V E N G N | I V L G T W Q G I Y F C E F D G P R R | | |
| UniRef90_E5WMQ6 | A A H | I M K A V T V G S S Q T L I I I T E G Q | L L L G T W Q G I Y F C E F D G P R T | | |
| UniRef90_G0GF61 | D A H | I K S G G L V G P S E T I P I G G K | L G L S T W Q N I F L C E F F D G P R E | | |
| UniRef90_Q2RID6 | P A H | I K A S L M G S S N Q T V V I H E G R | L V L G T W Q G I Y F C E F D G P R R | | |
| UniRef90_UP1000364E7F9 | D A H | I F L S S I I V G T S I T I P V H Q S K | S L G T W Q G I F F F M E F D G P R Q | | |
| UniRef90_C8W5G1 | A A H | I K A S L M G A S Q T V F I Y G G R | L L G T W Q G I Y F C E F D G P R Q | | |
| UniRef90_K2E5G4 | D A H | I V K S S L V G C S E L N I N K G K V | M L G Q W Q G I Y F A E F D G P R T | | |
| UniRef90_I9X0P0 | P A H | I R T L V T D S A L N I P L V E G R | L A L G T W Q G I Y L I E H D R P H | | |

| | |
|------------------------|-------------------|
| QUERY | R K V F V K I I |
| UniRef90_A5IL70 | R S V Y V K I I V |
| UniRef90_K0NQN3 | R K V N I K I I |
| UniRef90_F0S129 | R K V Y V K V I |
| UniRef90_R7RSY8 | R K F Y V K L I |
| UniRef90_A3DBL5 | R E V Y V K I I |
| UniRef90_I7LG60 | R K F Y L K I I |
| UniRef90_E1R8G5 | R T V S V Q I I |
| UniRef90_B7IGH8 | R K V F I K I L |
| UniRef90_I3J7T9 | R E V F V Q A M |
| UniRef90_A5D3M9 | R K V L V K V V |
| UniRef90_M1ZEP8 | R Q V Y I K I M |
| UniRef90_F8EYS8 | R Q V Y V Q V L |
| UniRef90_Q8R842 | R K V Y I K I I |
| UniRef90_C0QSZ8 | R K V I I K V L |
| UniRef90_X1G7V7 | R K F Y V K I I |
| UniRef90_D9TST0 | R K V Y I K V I |
| UniRef90_R7KRH9 | R E V I V K I M |
| UniRef90_H5SI59 | R E V W V |
| UniRef90_B2V8Z3 | R K V Y I K I L |
| UniRef90_Q2LUY6 | R K V L V K I L |
| UniRef90_Q3ZA70 | R T V Y I K V L |
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 F E I T L S P Y L R G Y H L T S E I Q R Q L P E L P K A G L V H L I K
 L L T L R T S R E R T E L I D T A R V E E L I S A S R A N S G C C D V F V L H
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| UniRef90_C0BWU1 | T T A G F T I N E N A D P D V V H D M L C G M E R U A V P A D A D Y Y R H V E N S |
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| UniRef90_G7LX02 | T S A A L T I N E N A D P T V R Q D F E R F F N R N L V P P E D E P Y Y Q H V D D M |
| UniRef90_D0LRN5 | T S A S L I V C E N A D P T V R S D L L E R F M A R L V P D G D P L F E H P D D M |
| UniRef90_A8FGT3 | T T A G I T I N E N A D P D V K R D M L R R L D E V F P W E H P K D R H M E N T |
| UniRef90_UPI0003F69E00 | T T A G I T I N E N A D P D V K T D F L M R L D E V F P W H P K D R H A E G N T |
| UniRef90_Q1K195 | T T A A L T I N E N A D P D V V D D L I Y G Y E K A Y P S I D S N Y K H F E N S |
| UniRef90_J9DT86 | T S A S L T I Q E N A D P D V R T D L V T A L D R L A P A D A G W V H G P D D M |
| UniRef90_UPI00035FC5DA | T S A S L T I Q E N A S P E V L D D L A D A L D R L A P R D A G W R H G P D D M |
| UniRef90_M5DQH9 | T S A S L T I N E N A D P T V R G D F E R V F N R L V P E N Q P Y Y Q H N D E G |
| UniRef90_UPI000405F697 | T T A G I T V N E N A D P D V K S D M I L M R L D E I Y P W N H V Q D K H V E N T |
| UniRef90_B1QTN1 | T T A G I T I N E N A D P D V V D D L I Y G Y E K A Y P S I D S N Y K H F E N S |
| UniRef90_UPI0003B4F2A3 | T T A G I T V N E N A D P P N V Q H D M L M R L D E V Y P W D H D K Y R H E G N S |
| UniRef90_UPI000370877E | T S A S L I L C E N A D P S V R R D L E S F L G R L V P D G D P L F E H P D D M |
| UniRef90_S7V632 | T T A A I T V N E E G A D P D V V R D R I L T T L R R L V P L E G D Y R H S E G N S |
| UniRef90_H3ZQ74 | T T T A L F I N E N E S G L L E D V V R E F F L Q S L V P K G K G Y R H D R S N A G |
| UniRef90_E8T286 | L T A A V V I Q D D E E G L H E D I W E W L E K L A P F R P D Y K H H R D N G |
| UniRef90_B1ZKL4 | T S A S L T I Q E N A D P D V V R D L M T A L D G F V P R H G Q Y V H G M D D M |
| UniRef90_G1US24 | T T C G L T V N E E G A D P D V V R D M R L M A F F S R L A P E Q G D Y R H A E G N S |
| UniRef90_Q30WH7 | T T G A I T V N E E G A D P D V V A R D I T A N M N K L V P R H G D Y R H A E G N S |
| UniRef90_E6W5G1 | T T A A L T I N E N A D P D V V A V D L Q H F L K S R I P A D P S F R H M E G N S |
| UniRef90_E3DQ01 | T T A A V V T Q E N A D P D V V K E D I K K E I N K L I P F Q D D Y Q H L E G N S |
| UniRef90_UPI000373ED99 | T S A S L T I Q E N A D P D V V R S D L M T A L D G L A P R L P H A A E G P D D M |
| UniRef90_UPI000306D19C | T S A S L V I Q E N A D P D V V L R D L S H F F A K L V P E D G K S Y I H P D D M |
| UniRef90_Q1AWP6 | T T A A V T V N E D Y D P D V V A R D L T A A S E A L I N A D V S F E H E G N S |
| UniRef90_R5V4W6 | T T A G I T I N E N A D P D V V Q R D L L L A Y A E A P D P D R K A F R H A E G N S |
| UniRef90_E4TXB0 | T T G S S I F E L F E N A D Q N L V R R D L L S A L S K V P S D A Q Y A H V G S N A |
| UniRef90_F6D6N3 | S T S S G I V I N E N E S G L V E D F K N A L E S L V P T S K S Y K H N D N N A |
| UniRef90_T2JCD7 | T S A S L L I Q E N A D P D V L V D L A N F F S K L V P E D S K L Y I H D D D M |
| UniRef90_K9H3V3 | T S A S L T I Q E N A D P D V V M R D M T N A L E R A P R D P S L Y R H P D D M |
| UniRef90_K9YG49 | T S A S L M I Q E N A D P D V V L T D L I S N F M K M K L V P E D R S L Y V H N D D M |
| UniRef90_F3Z485 | T T G A V T V N E E G A D P D V V V R D I I V N L R K I V P P Q G D Y R H S E G N S |
| UniRef90_A3XMG5 | T S A S L T I N E N A D P T V V R Q D F E S H M N K M V P E N A P Y Y I H T Y D M |
| UniRef90_M1RKF3 | T T A A V F V N E E G A D P D V V V K D I L N T L D R L I P W T N D Y S H M E G N A |
| UniRef90_K0J805 | T T A G I T V N E N A D P D V V K T D F L R R L D E V Y P W D H H K D H M E G N T |
| UniRef90_D6Z3R1 | T S A S L V I Q E N A D P D V V L H D L E T F M N R L V P D G Q P D W R H P D D M |
| UniRef90_UPI0003B64AEE | T S A S L T I N E N A A P A V R R D L E R Y F A R L A P E S R E Y E H G P D D M |
| UniRef90_UPI0003689342 | T S A S L T I N E N A D P T V V R A D F E S F F S R S V P E D Q P Y Y Q H T D D L |
| UniRef90_Q3A6X7 | T T A A V V T N E N A D P D V V L H D L L L G L E R L A P R D A G Y R H A E G N S |
| UniRef90_UPI0004794051 | T S C S L L I S E N A D P A V R D D L L E R W F G R A V P D G D A I F Q H P D D M |
| UniRef90_Q1J1R4 | T S A S L A L N E N A S P D V V R R D F E R F F N R L V P D G W R E F E H P D D M |
| UniRef90_E1QUU3 | T A T S A L F A N E D E P R I R D Y E N L F E R L V P V N G N Y Y H N D N N A |
| UniRef90_UPI00035E29D4 | T S A S L T I N E N A D P T V V Q R D F E S F F N K S V P E D E P Y Y Y R H D Y D M |
| UniRef90_R7CVD4 | T S C G L S V C E N A D P D V V R T D L E S I F N R L V K E R E S Y Y E H D D D M |
| UniRef90_I0AKT3 | T S A S L S I N E N A S P D V V R S D M E N F L D K L V P Y F L H N Y E G E D D M |
| UniRef90_C7LV71 | T T T G L T I N E G A D P D V C R D I L T H L R T M I P H Q A D F R H A E G N S |
| UniRef90_F0R645 | T S C A L S I N E N Y D P S V V R N D M E R I Y N N L V K E N Q A Y Y T H P D D M |
| UniRef90_D3P9B0 | I T A S V F E I N D D E R G L H E D Y K R W L E E L A P H E P S R Y K H N N G |
| UniRef90_U6ED83 | S T S G V V I N E N E S G L V N D F K M A L E Q L V P E G A G Y Q H D D N N A |
| UniRef90_R6QL15 | T T A G I T V N E N A D P D V V H D M L F G L D K V Y P L H D K N Y R H E G N S |
| UniRef90_K8NVP0 | T S A S L T I Q E N A D P D V V V L T D L M D A L D R L A P E N G G G W I H P D D M |
| UniRef90_I3RDZ9 | T T T A I I I N E N E S G L L K D L E K T L E N L I P K G A G Y M H D R N N A |
| UniRef90_UPI0004785DA2 | T T C G L T I Q E N A D P G V Q H D M L L L E R L A P P R E D A R Y R H D N S |
| UniRef90_C5CDK3 | I T A S V F I N D D E P G L H N D F E R W L E K L A P E K P Y Q Y E H N D N A |
| UniRef90_C1CZ39 | T S A S L T I N E N A S P E V R R D F E R Y F N H A V P Q D W Q E W E H P D D M |
| UniRef90_L0GU18 | T S A S L T L C E N A D P T V R E D L D A F L T R L V P D G D P L F D H P D D M |
| UniRef90_L8J3Q6 | T S A S L T I N E N A D P T V V R S D M E A H F N K S V P E R A S Y Y R H T Y D M |

| | 90 | 100 | 110 | 120 |
|------------------------|---|-----|-----|-----|
| UniRef90_F8I5G1 | D S H I K [V S L V G P S L S L I I H Q G Q V M L G T W Q G I F A C E F D G P R Q | | | |
| UniRef90_Q8TL50 | D A H L K A V L L G T S E T L P V Q G K L E L G T W Q S I F F A E M D G P R Q | | | |
| UniRef90_I0ID46 | A A H A K A I L T G N S I A V P L R N G R L D L G T W Q G Y L C E F D G P R T | | | |
| UniRef90_H3NCE8 | D G H M K S S V I G A S E T V I D D G E P I L G R W Q S V F F V E A D G P R S | | | |
| UniRef90_UPI0003710773 | A S H L K A M T T G T S Q T V I I S E G Q L V L G Q W Q G I Y F C E F D G P R N S | | | |
| UniRef90_C6BW85 | D A H I K T S M F G P D Q M L I E D G D V M L G T W Q R I F F C E F D G P R S Y | | | |
| UniRef90_B8DYS6 | P A H I K S T I V G V N T F V F I R E G K L K L G T W Q G F F A E Y D G P R T | | | |
| UniRef90_UPI0003B79086 | P A H V K A S L T G P E T F V F I E D G R L K L G T W Q R I Y F C E F D G P R E | | | |
| UniRef90_UPI00046E6991 | P A H L K S S L L G A N L T I P V T N G R L N L G T W Q G I Y F C E F R N G G S | | | |
| UniRef90_E8WQT7 | A A H V K S S L V G G S C Q R L L I D R R G K L L L G T W Q A L Y F C E F D G P R E | | | |
| UniRef90_W9ADF8 | A A H L K T S T V G H A Q T L I V A E G K L V L G T W Q G V Y F C E F D G P R E | | | |
| UniRef90_I7DNE0 | P A H I K A A L L P V S L S I I P V S G G G R P A L G T W Q Q I Y F C E F D G P R S | | | |
| UniRef90_B8FVB3 | A A H L K A S L L M G S S Q T V I V K D G R L L L G R W Q G V Y F C E F D G P R S | | | |
| UniRef90_B6WUD2 | D A H L K T T L H G P S L M L I V E D G Q L Q L G R W Q S I Y F C E F D G P R Q | | | |
| UniRef90_UPI00047A9A7F | A A H M K A S T V G A S Q S V I V S G G N L L L G T W Q G I Y F C E F D G P R Q | | | |
| UniRef90_D8IBZ5 | Q A H V L S S L V S P S L T V I E N G D I V L G V W Q D I Y F C E F D G P R A R N | | | |
| UniRef90_UPI00047E8D79 | A A H L K A V A V G S S Q Y V I I E Q G D L L L G V W Q G I Y F C E F D G P R T | | | |
| UniRef90_H8MP95 | P A H V R T V L T Q V S L S I P V K D G E A D L G T W Q G V Y V W E H R S P H R | | | |
| UniRef90_J0QNG4 | P A H L K S S L L G C S V S P I S N G R L N L G T W Q G I Y F C E F D G P R S | | | |
| UniRef90_UPI0003B5C965 | D A H I K S S L L F G C D Q L V I V E G G E L K L G T W Q K V Y F C E F D G P R T | | | |
| UniRef90_W4C7J4 | A S H L K S S L T T G P S Q T V I I H E G R L L L G R W Q G I Y F C E F D G P R E | | | |
| UniRef90_I3CE65 | P A H I K S A L T A T S L G I P I L N Q S L A L G T W Q G I Y F C E F D G P R S | | | |
| UniRef90_F2NDR9 | P A H I K T T L T G S T A A V L I I E S G R L V L G T W Q G I Y F C E F D G P R R | | | |
| UniRef90_Q07H82 | P A H V K S M L T A T S L Q I P V L D G R L A L G T W Q A I Y F C E F D G P R H S S | | | |
| UniRef90_I0JLF9 | A A H M K T S T V G H S Q T L I I E D G N L V L G T W Q G I Y F C E F D G P R S | | | |
| UniRef90_A0A011Q8I1 | D G H L K S S L I G A S E T L L I I N Q G E L I L G T W Q S V Y F A E F D G P R N | | | |
| UniRef90_V718T5 | T A H I K S S T I G C S V T V I I T N G Y P D L G L W Q S V L Y F C E F D G P R T | | | |
| UniRef90_W4QMZ2 | A A H L K T S Q V G H A Q T I I I T N G R L A L G T W Q G I Y F C E F D G P R N | | | |
| UniRef90_L1QPR3 | H A H M K S S T I G A S Q T L I I N E G R L I L G R W Q D V Y F C E F D G P R N | | | |
| UniRef90_V5SFJ0 | P A H V K S A L T Q T S I T P I S N G R L L L G T W Q G L Y F C E F D G P R S | | | |
| UniRef90_X1KTL7 | D A H C K S S I I V G C S E Q V L I K G G G K L A L G T W Q G I F F C E F D G P R S | | | |
| UniRef90_UPI0003B61F2F | P G H V K S S I T G P S L T L I I V E K G K P I L G T W Q R I F F A E Y D G P R T | | | |
| UniRef90_E3HDG9 | D A H L K T S I G A E S T L L I I V E K G E L L L G T W Q G V Y F C E F D G G R E | | | |
| UniRef90_G7WGF7 | A A H L K T S T V G A S Q T V I V H H G K L L L G R W Q G I Y F C E F D G P R E | | | |
| UniRef90_A6Q123 | D A H L K S A L C G N S V S I P V V D A K L M L G Q W Q G I F F C E F D G P R E | | | |
| UniRef90_C0BWU1 | H A H I K T S F V G P S Q T I I L H N G D L L G I W Q D L Y L F E H R R P H Q | | | |
| UniRef90_UPI000379C662 | P A H I K T A L T D T S L S I I P V S R G R C L M L G T W Q G I Y L F E H R R P H Q | | | |
| UniRef90_G7LX02 | P A H L K G S L L G S S S L M L P I S D G R L N V G T W Q G I Y L F C E H R N G G S | | | |
| UniRef90_D0LRN5 | P A H V R S I L T Q T S L T L P V A G A R L D L G T W Q G I Y L F C E H R R P H Q | | | |
| UniRef90_A8FGT3 | A A H M K A S Y M G A S Q H V L I I H H G D L V L G T W Q G I Y F C E F D G P R H | | | |
| UniRef90_UPI0003F69E00 | A S H L K T S T V G H A Q T I I V V R N G V L Q L G T W Q G I Y F C E F D G P R R | | | |
| UniRef90_Q1K195 | A A H L K T S L M G S S E T V I I V R N G V L Q L G T W Q G I Y F C E F D G P R R | | | |
| UniRef90_J9DT86 | P A H V K T M L T G A S L A V P V V E G R L A L G T W Q G I Y L A E H R R P H R | | | |
| UniRef90_UPI00035FC5DA | P A H V K T M L T G T S V C V P V V I I G G R M A L G T W Q A I Y L I E H D R P H A | | | |
| UniRef90_M5DQH9 | P A H I K T S L L G P S V T I P I T N G Q L N L G T W Q G V Y L F C E H D Y G G S | | | |
| UniRef90_UPI000405F697 | A A H L K T S T L G H A Q T I I I E N G D L V L G T W Q G V Y L F C E F D G P R Q | | | |
| UniRef90_B1QTN1 | H A H L K S S C I G A S Q T L I I L N K G K L V L G M W Q D I Y F C E F D G P R N | | | |
| UniRef90_UPI0003B4F2A3 | A S H L K A S T M G T Q Q T I I V E Q G E L V L G T W Q G I Y F C E F D G P R K | | | |
| UniRef90_UPI000370877E | P A H V R T I L T K T D L T L P I S D G R L A L G T W Q G I Y L Y E H R Q S H G | | | |
| UniRef90_S7V632 | D A H V K V K S S L T G C G Q L V V V A D G E V K L G T W Q H V Y F C E F D G P R S | | | |
| UniRef90_H3ZQ74 | H S H L R S I L L S P S L A I P I K D G K L L L G T W Q S V I F A E L D G P R R | | | |
| UniRef90_E8T286 | D A H L K N L L V H L Q V V L P I T N G E L D L G P W Q E I F Y A E F D G Q R P | | | |
| UniRef90_B1ZKL4 | P A H I R T M L T D S G L T V P Q G G R L A L G T W Q G I Y L I E H D R G H R | | | |
| UniRef90_G1US24 | D A H I K A T L H G P S S L L L V E D G E I R L G T W Q S V Y Y L F C E H D G G P R R | | | |
| UniRef90_Q30WH7 | D A H I K S S G M F G C G Q M L I V E D G D I M L G T W Q K V Y F C E F D G P R Q | | | |
| UniRef90_E6W5G1 | D A H I K S S L L G C S A Q M V I V A R G A L Q L G T W Q G L Y F C E F D G P R Q | | | |
| UniRef90_E3DQ01 | A A H I K S S L F G N D Q S I I F E D G K L K L G T W Q G I Y F C E F D G P R K | | | |
| UniRef90_UPI000373ED99 | P A H I R T L L T D S G L T P V T D G R L V L G T W Q G I Y L I E H D R P H R | | | |
| UniRef90_UPI000306D19C | P A H I R S A L T R T S E Q I P V A H G R L V L G T W Q G V Y L W E H R R P H Q | | | |
| UniRef90_Q1AWP6 | D S H L L A S F G Q S E T L L V R D G E L Q L G R W Q G V F L A E F D G P R D | | | |
| UniRef90_R5V4W6 | A A H A K A A A M G A S S A T I I E Q G K L L L G T W Q G V Y F C E F D G V R N | | | |
| UniRef90_E4TXB0 | A A H L K S S R S R M G A S V S P V H E G R P M F G K W Q G V F F G E F D G P R E | | | |
| UniRef90_F6D6N3 | D S H I R S F I I G S S E T P I E S R S L G L G T W Q S V F F V E L D G P R N | | | |
| UniRef90_T2JCD7 | P A H I R S M L T K T S E Q I P V S N G R L V L G T W Q G I Y L W E H R R S H H | | | |
| UniRef90_K9H3V3 | P A H I R S A L T D V S L T P I V P R D G R L A L G T W Q G V F V C E H R Q P H R | | | |
| UniRef90_K9Y4G9 | P A H S V L T K T S E Q I P I D R G Q L M L G T W Q G V Y L W E H D R A H S | | | |
| UniRef90_F3Z485 | D A H K S S M L G C D Q L I I E G G Q V Q L G T W Q K V Y F C E F D G P R A | | | |
| UniRef90_A3XMG5 | P A H I K A S L L M G A S V T I P V T N G R L N L G T W Q G I Y L C E H R N G G A | | | |
| UniRef90_M1RKF3 | A A H I K S S I I G N S R I I P I L D G R L M L G K W E A V F L A E F D G P R E | | | |
| UniRef90_K0J805 | A A H L K T S T V G H A Q T I I I V S Q G R L V L G T W Q G V Y F C E F D G P R S | | | |
| UniRef90_D6Z3R1 | S A H I R S A L T Q T S I G P I L V D G A L V L G T W Q G I F L W E H R G P H R | | | |
| UniRef90_UPI0003B64AEE | P A H I K T A L T N V S L S M P V T G G R M V L G T W Q G I Y L F C E H R N G G S | | | |
| UniRef90_UPI0003689342 | P A H I K S S I L G P G V Q P I T N G R L N M G G T W Q G V Y F C E H R N G G S | | | |
| UniRef90_Q3A6X7 | D A H I K S S L L G V D Q T L L V E N G E P V L G T W Q G I Y F C E F D G P | | | |
| UniRef90_UPI0004794051 | P A H V R S I L L T G V S L T L P I V P H G G K L L L G T W Q G V Y L W E H R D P H Q | | | |
| UniRef90_Q1J1R4 | A A H V K A S L L G P S L T L P I V P R G G R L A L G T W Q G I Y L C E H R N G G A | | | |
| UniRef90_E1QUU3 | D A H L L S S I I F K Q F Y V P I V N G E L I H G T W Q E V F L A E F D G P R N S | | | |
| UniRef90_UPI00035E29D4 | P A H I K S S I L G A T L T L P I T N G R L N L G T W Q G I Y L C E H R N G G S | | | |
| UniRef90_R7CVD4 | P A H A K S V L L V G V E L T L P I T N G R L N L G T W Q G I Y L C E F R N G G S | | | |
| UniRef90_I0AKT3 | P A H I K T S L L L G N S L T I P I T D G R L N L G T W Q G I Y L C E Y R H S H K | | | |
| UniRef90_C7LV71 | D A H I K A T L L F G V S S V Q I V P H E G R L M L G T W Q R F L G E F D G P R S | | | |
| UniRef90_F0R645 | P S H A K C S L T G V S V L T I P V T S G R L N L G T W Q G Y L C E F D Y G G A | | | |
| UniRef90_D3P9B0 | D A H L K R Q V M G R E V V V A I P I T N G K L D F G P W E Q F Y G E F D G Q R R | | | |
| UniRef90_U6ED83 | D S H I R G F L T G G S E T P V E K G R M M M L G T W Q S I F F V E L D G P R N | | | |
| UniRef90_R6QL15 | N A H I L K T S T V G P S Q T I I S D G K P V L G T W Q D I Y F C E F D G P R N | | | |
| UniRef90_K8NVP0 | P A H I K T M L T S S S L Q V I V P V E N G E M M L G T W Q G I Y L I E H R R P H R | | | |
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 V | E | F | A | L | A | A | K | H | R | G | C | H | L | V | T | R | E | I | I | D | R | L | P | K | P | L | P | K | A | G | L | L | N | L | F | V | K | H
 E | L | F | T | I | R | Y | P | K | R | R | G | Y | V | N | I | T | S | Q | V | E | D | A | L | R | E | S | G | I | K | E | G | L | L | V | V | N | S | M | H
 E | F | F | S | L | R | K | A | Q | R | R | G | F | H | L | I | T | D | E | V | M | T | H | L | P | Q | L | P | K | I | G | G | L | L | N | L | F | I | Q | H
 F | E | F | R | L | K | A | R | A | R | G | F | H | L | I | T | D | E | V | L | D | Q | L | P | P | R | Q | V | R | I | G | G | L | L | N | L | F | I | Q | H
 F | D | V | S | S | R | S | R | G | R | G | T | I | E | I | T | A | E | V | E | R | V | V | R | A | S | G | V | A | M | G | L | L | N | V | F | V | Q | H
 I | I | Q | V | R | T | P | A | R | E | A | L | L | V | N | V | T | R | D | L | E | A | A | A | L | A | E | L | G | L | R | E | G | A | L | L | V | Y | A | P | H
 I | L | R | R | I | G | T | R | G | K | S | L | H | N | I | T | N | E | V | E | A | I | V | A | R | S | R | V | Q | T | G | L | C | T | V | F | V | M | H
 I | L | T | N | R | T | N | R | G | Q | G | L | L | S | E | F | T | L | D | V | Q | V | I | S | D | A | E | I | E | V | G | L | L | H | I | F | C | R | H
 Q | F | T | L | P | A | K | S | R | G | S | Y | L | I | T | D | T | D | V | V | K | E | I | P | E | K | N | Y | K | V | G | L | L | N | L | F | V | Q | H
 F | Y | F | E | T | K | A | R | R | E | L | I | N | V | T | E | R | V | V | V | A | A | V | V | A | A | S | G | I | Q | E | G | M | V | L | V | S | A | M | H
 S | I | R | T | S | T | R | K | E | A | I | E | I | T | S | M | V | E | E | E | E | I | K | G | I | K | N | G | I | A | I | Y | V | P | H
 K | I | N | R | P | Q | H | R | G | G | H | L | I | T | D | E | I | L | K | Q | V | P | E | Q | F | A | V | G | L | L | H | I | Q | I | M | H
 E | L | W | F | E | T | K | T | R | R | A | Y | V | N | I | T | P | Q | V | E | A | V | V | R | K | S | G | V | Q | E | G | M | V | L | V | N | A | M | H
 E | F | F | T | L | T | P | R | R | R | G | F | H | L | I | T | D | E | I | R | N | L | P | P | L | P | S | A | G | I | L | H | L | F | I | K | H
 P | P | Q | R | R | R | G | C | H | L | I | T | D | E | I | E | A | Q | L | P | E | A | D | F | S | V | G | L | L | H | L | F | I | Q | H
 F | T | L | R | P | R | A | R | G | F | H | L | I | T | D | E | I | E | A | Q | L | P | E | R | G | I | R | E | G | L | L | L | T | F | V | Q | H
 I | Q | L | Q | P | K | P | R | G | F | H | L | I | T | D | E | I | V | N | Q | L | P | E | A | A | F | K | V | G | L | L | H | I | F | I | R | H
 I | L | Q | Q | T | S | G | K | G | L | Q | E | I | T | R | K | V | Q | Q | V | I | S | E | S | E | I | T | S | G | L | C | N | V | F | V | R | H

| | | 50 | 60 | 70 | 80 |
|------------------------|---|----|----|----|----|
| UniRef90_A6DD19 | T T A N V I L F E N S D T T L K R D L L S M L K E I V P F K E Y S H S N A | | | | |
| UniRef90_UP100041A4A89 | T S A S L T I Q E N A D P D V L A D L L T S L R R L A P A D G G W R H G P D D M | | | | |
| UniRef90_M1PQ69 | A T A A V M I Q E G W D E S V K T D V V N L M R K I P R G A W H D A I D G N G | | | | |
| UniRef90_UP100046694CD | T S A S L T I Q E N A D P T V L V D L M T A L D R A A P E D G G W R H G P D D M | | | | |
| UniRef90_A5D4S3 | I T A G V Y V N D A E P G I I Q D I D E M L E Q I A P Y G K P Y R H H Q D N G | | | | |
| UniRef90_10KBR1 | T S A S L T I N E N A D P T V R H D F E A H F N K M V P E N A P Y Y Q H H D Y D M | | | | |
| UniRef90_13BQ31 | T S A S L T I N E N A D P S V R Q D F E S F F N R A V P E N E P Y Y R H T D E G | | | | |
| UniRef90_E0RPM2 | I T A S V F I N D D E P G L H Q D Y R D W L E E L A P H E P T S R Y R H N R T | | | | |
| UniRef90_B7K7I1 | T S A S L I I Q E N A D P D V L K D L S N F F S K L V P E D S K S Y I H D D D M | | | | |
| UniRef90_UP1000344D8F2 | T S A S L T V N E N A S P D V R R D F E R Y F D H A V P D G W P E F E H R D D M | | | | |
| UniRef90_UP100034A3123 | T S A S L V I Q E N A D P D V L R D L A A F L A R L V P E D G R Y T H G M D D M | | | | |
| UniRef90_L8M9V9 | T S A S L V I Q E N A D P D V L E D L A N F F A K L V P E D S M A Y I H N D D M | | | | |
| UniRef90_Q20WZ4 | T S A S L T V Q E N A D P S V L T D L M T V L Q R L A P E T A N W T H G P D D M | | | | |
| UniRef90_D2R1Q0 | T S A S L T I N E N A D V D V R T D L E T A F S A I A P E K F P Y V H T M D D M | | | | |
| UniRef90_UP100040E2237 | T S A S L T I Q E N A D P S V L D D L A T A L D R L A P Q G A G W T H G P D D M | | | | |
| UniRef90_I0JWF3 | T T A G I T I Q E D A D P D V I K D I L Y V L D R I V P W H D P S Y H T E G N A | | | | |
| UniRef90_U5AAJ3 | T S A S L T I N E N A D P T V R Q D M E A H F N H P E G A P Y Y R H I Y D M | | | | |
| UniRef90_UP100036C9D6F | T S S S L V L M E N A D P S A R R D L E M Y F D K L V P E D T P Y F I H T Y D M | | | | |
| UniRef90_A0A017SZ34 | T S A S L V I Q E N A D P A V L R D L Q R W M T R L A P E G S G Y E H G P D D M | | | | |
| UniRef90_K6SVV8 | T T A G I T T N E N A D P D V V H D I Y G F E K V F P S T D S N Y K H F E N S | | | | |
| UniRef90_L0A4M6 | T S A S L A L S E N A S P D V R R D F E R F F N R L V P D G A S Y I H P D D M | | | | |
| UniRef90_R6N668 | I T A S V F I N D D E P G L H R D L E A W L E K L A P E K P Y G Q Y R H N N A | | | | |
| UniRef90_UP100039A72E7 | T S C S L T I T E N A D A D V R R D L L E T V I G R L A P D G D P A Y R H P D D M | | | | |
| UniRef90_F0L8D0 | T S C S L T I Q E N A D P D V R R D L L A V F F S R L V P P S D H T L E G P D D M | | | | |
| UniRef90_W6KCZ5 | T S A S L T I Q E N A D P S V Q R D L D Q F F G R L V P W Y T H R N E G P D D M | | | | |
| UniRef90_B1KEC1 | T S A A L T L N E N A D P S V R V D F E R Y F N R L A P E N E A A Y Y T H T Y D M | | | | |
| UniRef90_UP10003B3C6EE | T S A S L C I Q E N A A R E V R G D I V R W L D R L A P E Y A H D D E G P D D M | | | | |
| UniRef90_A1RXS8 | A T A A I I A N E H E E G L L K D I L E G K I S E L P F V D Q P Y I H N R D N A | | | | |
| UniRef90_D8DU16 | T S C G L S L N E N Y D P D V R V D M E T I F D R L V P D G H P S Y V H P D D M | | | | |
| UniRef90_A6EDC3 | T S A S L T V N E N A D P T V R K D F E M F F N K Y V P E N D A D Y V H N D D M | | | | |
| UniRef90_L8N409 | T S A A S L I I Q E N A D P D V L A D L E T F F S K L I P E D A S Q Y R H I D D M | | | | |
| UniRef90_A1HTD4 | T T A A A V T I N E N A D P D V V R D M L A A L E M A P R L P Y R H R E G N S | | | | |
| UniRef90_A0A059EBG5 | T S C S L V I Q E N A D P D V Q R D L Q A F F R R L V P H A N H R T E G P D D M | | | | |
| UniRef90_D8JZG0 | I T A G V Y V N D A E S G L I A D I D E W L D N L A P Y R S D Y C H H E T N G | | | | |
| UniRef90_H5YCX5 | T S A S L T I Q E N A D P S V L V D L T T V L A R L A P D W T H D T E G P D D M | | | | |
| UniRef90_T0MJG4 | I T A S V Y V N D A E S G L I A D I D E W L E K L A P S G R D Y R H R T N G | | | | |
| UniRef90_K9SC86 | T S A S L I I Q E N A D P D V L V D L E N F L L A K L V P E G N H Y V H G P D D M | | | | |
| UniRef90_E6WY82 | T T A S I V L F E K T D P K L R R D F L I S S L S R I L A P A D M N Y E S D D N T | | | | |
| UniRef90_K0VWY3 | T S C S L L I Q E N A D P D V R T D L I S F F S R L V P W V V H R D E G P D D M | | | | |
| UniRef90_UP10004639B2A | T S C S L L I Q E N A D P D V Q R D L N E F F R R L V P W M V H T T E G P D D M | | | | |
| UniRef90_A0A024GMR8 | T S A S L S I N E N C P D V R D D L E K A F N R I V P E A W H T M E G D D D M | | | | |
| UniRef90_UP100036CB33B | T T A G I A I N E N A D P D V R H D V L L R L D E V Y P W E H P Q Y R H E G N T | | | | |
| UniRef90_U5QL25 | T S A S L L I Q E N A D P D V L A D L E T F F S R L V P E D R R A Y R H G D D D M | | | | |
| UniRef90_UP1000462FC1D | T T A G I A I Q E G A D P D V V H D I L G W L D R T V P W Q H S A Y R H E G N T | | | | |
| UniRef90_K1Y150 | I T A G V Y V N D A A E N G L I Q D I D K W L E E L A P F K P D Y K H F T N G | | | | |
| UniRef90_UP10004681E29 | T S A G L T V N E N A D P D V R Q D L Q T F F N K L V P D G A P Y F I H P D D M | | | | |
| UniRef90_C5CMV9 | T S A S L L V Q E N A D P E V Q A D L D R F L A R L V P D G D A L F R H P D D M | | | | |
| UniRef90_UP10002897135 | T S A G L S V N E N A D P D V Q Q D L A A I F D R L V R R E S Y Y A H D D D M | | | | |
| UniRef90_K9SKH3 | S S A S S L I I Q E N A D P D V L K D L E R F F A K L V P E N G R D Y I H P D D M | | | | |
| UniRef90_H0E601 | T S S A A L T L N E N A S P D V R V D L R R W F D D A V P E A G P W T H G P D D M | | | | |
| UniRef90_V9F2M9 | T S A S L S I I N E N C D P D V R T D M E G A F N R I V P F F R H T D E G D D D M | | | | |
| UniRef90_O26865 | T S S A L S F I N E N E S R L L S D I E S M L E G T V P V D A S Y G H N D N N A | | | | |
| UniRef90_UP100037685C3 | T S A S L T I N E N A D P T V R T D F E S H F N V M V P E N A P Y F I H T Y D M | | | | |
| UniRef90_F0RJ11 | T S A S L S I I G E N A S P D V R R D F E Q F F S D L V P E S Y P H Y T H P D D M | | | | |
| UniRef90_A3YBX8 | T S A S L T I I N E N A D P S V R T D M E S H F N V I A P E N A P Y Y E H I Y D M | | | | |
| UniRef90_R6CJV2 | T S C G L S L I N E N F D P D V R H D L K G I F E R L V P D G D P R Y L H Q D E G | | | | |
| UniRef90_A0A059IQE2 | T S C S L L I Q E N A D P D V Q T D L Q A F F S R L V P P S D H P Y E G S D D M | | | | |
| UniRef90_R7GV14 | T T A G I T V N E A T P N Q V I S D L L L A Y R T A F P K Q K A F Q H Q E G N S | | | | |
| UniRef90_UP10002E6410E | T S A S L T I I N E N A D P T V R A D F E D H V N V M V P E N Q P Y Y R H T Y D M | | | | |
| UniRef90_UP10004678623 | S T A S V I I F E K S D P T L R R D L L M T L K N I V P Y K D Y A H K N A | | | | |
| UniRef90_B2A200 | T T A A I T V N E T A D P D V C F D L E N A C Q K I P D I S Y Q H L E G N S | | | | |
| UniRef90_B1XKJ9 | T S A S L S I I Q E N A D P D V L V L D L E N F M A R L V P E D G H S Y I H P D D M | | | | |
| UniRef90_X0UV26 | S T A G I T T I E Y E P N L V S D F K N M W D R V I P Q N I P Y E H N K T W G | | | | |
| UniRef90_L0FX12 | T S A G L T I I N E N A D P T V R K D F E T F I N D M I P E S Y P R F I H T Y D M | | | | |
| UniRef90_R6VS66 | T S C S A L S I I N E N A D P D V R S D M E K I M N H I V P Y Y D H V L E G A D D M | | | | |
| UniRef90_C7PV48 | T S A S S L T I I N E N A D P T V R K D F E M Y F S K A V P E N D P D Y E H P D D M | | | | |
| UniRef90_V2Q2F3 | I T S S V F F I I N D D E N G L L S D F E V W L E K L A P E K P H N Q Y N H N N A | | | | |
| UniRef90_UP100036045B5 | T S C A L S I I C E N W D S S V R S D M E S I Y N H L I P E N Q S Y Y E H T D D M | | | | |
| UniRef90_B3PEW1 | T S A S S L T I I N E N A D P S V R D F E R F F N H A V P E N Q S Y Y E H N D E G | | | | |
| UniRef90_A0A011NXL8 | T S C S V V L I I T E N A D P S V R D L I E T L A A R W A V P D G D A A Y H H D D D M | | | | |
| UniRef90_F2NN13 | T T A G V V V Q E G A D P D V A R D L L R R L K E L L V P Q H H P A D R H E G N T | | | | |
| UniRef90_UP1000349E18D | T S A S S L I I I Q E N A D P D V L T D L E T F F T K L V P P E Y G L N Y R H T D D M | | | | |
| UniRef90_F8J7I1 | T S A S S L L I I Q E N A D P D V Q R D L V A F F K R L V P D G D P L F I H R D D M | | | | |
| UniRef90_G4MUS6 | T S C A L S L I I Q E N E W D E D V R E D M S N A L D R I A P A A G H S A E G P D D M | | | | |
| UniRef90_A9FR25 | I T A G V F V N D H E P G L W E D I W A W L Q Q L A P E G P D Y K H H R D N G | | | | |
| UniRef90_UP1000478E7E6 | T T A G V V I I N E A F D P A V A E D I L N E L S R L I P Y S D K Y K H L E G N A | | | | |
| UniRef90_UP1000265936F | T S A S S L A L I N E N W D P D V R D D V E N F M N K L V P E N L P Y Q H G P D D M | | | | |
| UniRef90_B3U4V3 | I T S A V Y Y I I N D D E A G L L R D Y D F E L E R L A P H E A T Y R H G E D N G | | | | |
| UniRef90_R7ECU9 | T S A G L T I I N E N A D P D V Q T D M E A I F N R L V P Y Y Q H T C E G D D D M | | | | |
| UniRef90_F3KDD0 | T S A S L S I I I N E N A D P T V R Q D F E S H I N K M V P E N M P Y Y R H T D D M | | | | |
| UniRef90_L0DZK1 | T S A S S L L I I Q E N A D P D V R S D L I E D F F A R L V P E S G I A F R H P D D M | | | | |
| UniRef90_M0S3P9 | T S A S S L T I I N E N Y D S S D V Q D D T E T F L S R I V P P W K H T L E G P D D M | | | | |
| UniRef90_UP100037823B9 | T S A S S L L I I Q E N A D P S A R R D L E Q W L N R L V P E D D R L Y T H T M D M | | | | |
| UniRef90_K2LB44 | T S A S S L T I I Q E N A D P D V R F D L I E T F F A Q L V Q E N P S L Y R H T C D M | | | | |
| UniRef90_K2JGS5 | S S A S S L T L I I N E N A D P T V R G D M E R H F N R A V P Q G A P Y Y Q H H Y D M | | | | |
| UniRef90_W9DU56 | T T T S V I V I N E N E S G L V S D I L E L L K I L V P A H A G Y A H D R N N A | | | | |
| UniRef90_UP1000348F3F8 | T S A S S L V I I Q E N A D P D V L K D L E R F L S K L V P E G P H Y I H G P D D M | | | | |
| UniRef90_K2GPS9 | T S A S S L C I I N E N C D P S V R K D M E T I F N K L I P D G T K P Y E H D D D M | | | | |
| UniRef90_R5MRN8 | T S A G L S I I N E N A D P D V Q T D M E A I F N R L V K E R E P Y Y M H T C D M | | | | |
| UniRef90_M5E5Y5 | T S A A L T L I I N E N F D K D V R T D M D M A M D H I V P E S L P W R H T D E G P | | | | |
| UniRef90_UP1000381D5C9 | S S A S S L T I I N E N A D P D V R L D M E S H F N H F V P Q N Q P Y Y E H T D D M | | | | |
| UniRef90_UP1000289E9F0 | T S A S S L V I I Q E N A D P D V I Q D L E Y F F G K L V P E N D L G Y T H P D D M | | | | |

| | 90 | 100 | 110 | 120 |
|------------------------|---|-----|-----|-----|
| UniRef90_A6DD19 | R A H L K A S F L R S N L T L I I E N A D V V L G Q W Q G I Y L I E F D G P R E | | | |
| UniRef90_UP100041A4A89 | P A H I K T M L T S V S L Q I P V I I N G A L A L G T W Q A I Y L I E H R R P H S | | | |
| UniRef90_M1PQ69 | D A H I K S G L V G P S E T I P P I I D G K P G L S R W Q D I F F C E F D G P R N | | | |
| UniRef90_UP100046694CD | P A H I K T M L T A T S L Q V P V L D G A M A L G T W Q G I Y L I E H R R P H R | | | |
| UniRef90_A5D4S3 | D A H I K S I L L V H Q V I V P P V T N G K L D L G P W Q Q V Y Y A E F D G Q R R | | | |
| UniRef90_10KBR1 | P A H I K A S L L G S S V V S V P P V T D G Q L N L G T W Q G I Y L C E H R R N G G A | | | |
| UniRef90_13BQ31 | P A H I K G S I L G F S S L N I P I S N G R L N M G T W Q G I Y L C E H R R N G G A | | | |
| UniRef90_E0RPM2 | D A H I K R Q I M G R E V V V A I T D G R L D F G P W E Q I F Y G E F D G R R P | | | |
| UniRef90_B7K7I1 | P A H I I R S V L T Q T A Q Q I P I A Q N R L M L G T W Q G I Y L W E H D R S H H | | | |
| UniRef90_UP1000344D8F2 | P A H I K A S V L G P S L T L P P V S A G R L A L G T W Q G I Y L C E H D R A S A | | | |
| UniRef90_UP100034A3123 | P A H I I R T A L T S T S E H I P I I A N G R L M L G T W Q G I Y V W E H D R P Y T | | | |
| UniRef90_L8M9V9 | P A H I I R S A L T H T S E Q I P P V L D G R L A L G T W Q G I Y L W E H R R S H Q | | | |
| UniRef90_Q20WZ4 | P A H I V K T M L T S T S L Q I P P I A R G E L V L G T W Q G I Y L C E H R N G G A R | | | |
| UniRef90_D2R1Q0 | P A H I V K A S L L G G C S L L T I P P I A R G E L V L G T W Q G I Y L C E H R N G G A R | | | |
| UniRef90_UP100040E2237 | P A H I I R T M L T S V S L T P V L A G K L A L G T W Q G I Y L V E H R A P H R | | | |
| UniRef90_I0JWF3 | A A H I K T A L L L G N S V H C N K E G R L R L G R W Q G I Y L C E F D G P R T | | | |
| UniRef90_U5AAJ3 | P A H I K S S L L G C S V S I P I C N G R L A L G T W Q G I Y L G E H D H G G A | | | |
| UniRef90_UP100036C9D6F | P S H I R M A L T R S S E T I P P V F A N Q M M L G T W Q G I Y V F E H R R P H | | | |
| UniRef90_A0A017SZ34 | P G H I L R S A L T R S S E V I P I V G G R L G L G R W Q A L Y L W E H R R A H V | | | |
| UniRef90_K6SVV8 | H A H I L K S S T V G A S Q T F I N N G N L L L G R W Q D I Y F C E F D G P R D | | | |
| UniRef90_L0A4M6 | P A H I K A A L L L G S S L T V P V S R G R L A L G T W Q G I Y L C E H R N A G A | | | |
| UniRef90_R6N668 | D A H I K R S V M G R E A V V A V T G G R L D F G T W E Q I Y Y E F D G R R E | | | |
| UniRef90_UP100039A72E7 | S A H I A R S M L L T D T G V M V P P V G A G R L L L G T W Q G I Y L W E H R A P H R | | | |
| UniRef90_F0L8D0 | P A H I I K S A L T A V S I G V P I S D G R L T L G T W Q G I Y L F E H D R P H | | | |
| UniRef90_W6KCZ5 | P A H I I K C A L T D T S L A V P I V A E G Q A L F G T W Q G I Y L C E H R R P H S | | | |
| UniRef90_B1KEC1 | P A H I K S S L L G A S S L T I P P I T N G T L N L G T W Q G I Y L C E R D R A S S | | | |
| UniRef90_UP10003B3C6EE | P A H I K S S L L T G V S S L S P P L V G G Q L A L G T W Q G I Y L C E H R R A H R | | | |
| UniRef90_A1RXS8 | H A H I I A S S F I G G A S S L V P P V V N G R L L R G T W Q N I Y L V E L D G P R S | | | |
| UniRef90_D8DU16 | A A H I A K S S L L G N S S V M I P I P I R N G H L A F G T W Q G I Y L C E F R N G G Q | | | |
| UniRef90_A6EDC3 | P A H I L K A A L L L G N S S V M I P I P I R N G H L A F G T W Q G I Y L C E H R N G G S | | | |
| UniRef90_L8N409 | P S H I I R S T L L T K T S E T I P P I A N A K L L A L G T W Q G I F V V W E H R R N G H T | | | |
| UniRef90_A1HTD4 | I A H V K S S L L G C S V T V P I V A G R L W L G R W Q G I Y F C E F D G P R R | | | |
| UniRef90_A0A059EBG5 | P A H I I K A A L L L Q T Q S L S I P P V T G G R L M A L G T W Q G I Y L F E H D A P H K | | | |
| UniRef90_D8JZG0 | D A H I K S L L V H Q Q V T I P P V T D G R L D L G P W Q Q V Y Y A E F D G C R R | | | |
| UniRef90_H5YCX5 | P A H I K T M L T G T S S L Q V P P V L N G R L L A L G T W Q A I Y L I E H R R P H | | | |
| UniRef90_T0MJG4 | D A H I I K N L L M H H Q V I V P I T S G K L D L G P W Q Q V Y Y A E F D G Q R K S | | | |
| UniRef90_K9SC86 | P A H I I R T A L L T H S E Q I P P V A Q G R L V L G T W Q G V Y L W E H R R R H R S | | | |
| UniRef90_E6WY82 | P A H I I K A T L L C G P R I V V P P V K D A Q L Y L G P W Q A I F F C E F D G P R E | | | |
| UniRef90_K0VWY3 | P A H I I K S A L T Q V S S I G I P P V V A S G R L M L G T W Q G L Y L F E H D R P H R | | | |
| UniRef90_UP10004639B2A | P A H I I K A A L N A V S S L S V P P V M G G R L A L G T W Q G I Y L F E H D R G H E | | | |
| UniRef90_A0A024GMR8 | P A H I I K V C T M I G S S S L N V P I T K G K F N L G T W Q G I Y L C E H R G G H E | | | |
| UniRef90_UP100036CB33B | A A H I I K L A M T V G T S S Q M V L I P D G G R L M L G R W Q G I Y F C E F D G P R H | | | |
| UniRef90_U5QL25 | P A H I I R T A L T H T S E N I P I A A G Q L V L G T W Q G I Y L W E H R R R G H Q | | | |
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| UniRef90_UP10004681E29 | S A H I I K A S L L I G G S S I T I P I V K N H R L N L G T W Q G V Y L C E F R N G G S | | | |
| UniRef90_C5CMV9 | P A H I I V R S A L T A V Q Q L S V P P V T N G R M A L L G T W Q G I Y L W E H R K P H | | | |
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| UniRef90_K9SKH3 | P A H I I R T V L L T S T S E N I P I A Q G R L V L G T W Q G I Y V V E H D R G R T | | | |
| UniRef90_H0E601 | P A H I I V K A S S L L G P D L T I P I V S S G G R L A L G T W Q G I T L C E H D S G G P | | | |
| UniRef90_V9F2M9 | P G H I I K S T L L I G A S S V N I P I T N G K F N L L G T W Q G I Y L C E H R N G H Q | | | |
| UniRef90_O26865 | D S H I I K R A V L L G G S S Q T V P V I T N G S M D L L G T W Q S I F F A E L D G P R N G | | | |
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| UniRef90_A0A059IQE2 | P A H I I K A A A L L P V S S L T L P I V T D G R L A L G T W Q G I Y L F E E H D A P H R | | | |
| UniRef90_R7GV14 | A A H I I K A K A S A V G N G S S V L T L C P I V E Q G R A L L G P W Q Q I Y L C E W N G P R I | | | |
| UniRef90_UP10002E6410E | P A H I I K K S S L F G G V S S L T I P I I S Q G R L A L G T W Q G I Y L G E H D F A G S | | | |
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| UniRef90_B2A200 | P A H I I K F L S S L V G P D I M V P I I R K N T L L D L G R W Q G I I F C E F D G P R R | | | |
| UniRef90_B1XKJ9 | P A H I I R S V L L T K T A T E Q I P I I A N G R L V L G T W Q G I Y L W E H R S R H T | | | |
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| UniRef90_L0FX12 | P A H I I K S S L F G G S S V T I P I I S K G K L A L G T W Q G I Y L C E F D H G G S | | | |
| UniRef90_R6VS66 | P A H I I K A K S S L F G G V S S L S I P I I T D G R L N L G T W Q G I Y L C E F D Y G G P | | | |
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| UniRef90_V2Q2F3 | D A H I I K L K R Q V M G R E V V V A V T N S K I D F G T W E Q I F Y G E Y D G M R D | | | |
| UniRef90_UP100036045B5 | P A H I I K A K S I I T G A S S I N I P I I T N G K L N L G T W Q G I Y L C E F R N G G S | | | |
| UniRef90_B3PEW1 | P A H I I K L K A S S L L G A S S V N L P I V T N G Q L N L G T W Q G I Y L C E H R N G G S | | | |
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| UniRef90_F8J7I1 | P A H I I K S A L T Q T T L T I P I I A N G R L M L G T W Q G I Y L F E H H R H P H D | | | |
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| UniRef90_A9FR25 | D A H I I K L K S I L L V H Q V I V P I I T A G K L D L G P W Q Q I F Y A E F D G G R R | | | |
| UniRef90_UP1000478E76 | P A H I I Q A T L L T G S S S V M I P I I E S G R L L L G R W Q G V F F M E F D G P R N S | | | |
| UniRef90_UP1000265936F | P A H I I K S L L L F G G S S L S I P I I T D G R L N L G Q W Q G V W L C E H R N A G S | | | |
| UniRef90_B3U4V3 | D A H I I K R Q L M G R E V V V A V T D G K L D F G P W E Q I F Y G E E F D G R R R | | | |
| UniRef90_R7ECU9 | P A H I I K A K A T L L S G G T S S L T I P I I T N G R L N I G W Q G I Y L C E F R N G G G | | | |
| UniRef90_F3KDD0 | P A H I I K S S L L G C S V T I P I I T Q G R F N L G T W Q G V Y L L G E H D Y G G A | | | |
| UniRef90_L0DZK1 | P A H I I K R G A L T Q T Q V L S L P I V T S G A P A L G T W Q G I F L F E E H R R P N E | | | |
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| UniRef90_K2LB44 | P A H I I K S A L L T D V S S L T I P P V S N G R A V L G T W Q G I Y L L F E H R R P H H | | | |
| UniRef90_K2JGS5 | P A H I I K A S A L L L G A S S L S I P P V G N G R L L H L G T W Q S I F F A E E M D G P R T | | | |
| UniRef90_W9DU56 | D A H I I K A V L L G G S S E T I P I I D G N L H L G T W Q S I Y L W E H R R H Q H S S | | | |
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| UniRef90_R5MRN8 | P A H I I K A K S T L L T G N S S L S I P P T D G R L N M G I W Q G I Y L C E F R R K H | | | |
| UniRef90_M5E5Y5 | D S H I I K S K S S L L G P S V T I P I I T N G R M N L G T W Q G V Y L L G E H D H G G S | | | |
| UniRef90_UP1000381D5C9 | P A H I I K A S T I G G S S S I S I P P C N G R L A L G T W Q G I Y L L G E H D H G G S | | | |
| UniRef90_UP1000289E9F0 | P S H I I R S A L T K T S E Q I P L A G A K M L L G T W Q G I F W E H R R G H S | | | |

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| UniRef90_UPI00041A4A89 | R E V V M Q F M |
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| UniRef90_D2R1Q0 | R R L V V T L |
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| UniRef90_B1XKJ9 | R E V V V H I |
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| UniRef90_L0FX12 | R R L V M T A M |
| UniRef90_R6VS66 | R R I V A T I |
| UniRef90_C7PV48 | R R L V I T V |
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| UniRef90_A0A011NXL8 | R R V V V T I V |
| UniRef90_F2NN13 | R E L W L |
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| UniRef90_F8J7I1 | R Q V I V H V I |
| UniRef90_G4MUS6 | R K I V A T I |
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| UniRef90_F3KDD0 | R R I V V T L |
| UniRef90_L0DZK1 | R R I V L H L I |
| UniRef90_M0S3P9 | R K V V I T L |
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| UniRef90_K2LB44 | R K V T L H L I |
| UniRef90_K2JGS5 | R H L I L T L |
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| | 1 | 10 | 20 | 30 | 40 |
|------------------------|---|---|----|----|----|
| UniRef90_X1IM32 | L T F N T K K R R E Y V N | T D R V A E V V A G S G I A E G M V L V S A M H | | | |
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| UniRef90_B7K5E4 | E L V L K T R G K D F H R | T R E I E E I V S E S G V K M G L C T L F V R H | | | |
| UniRef90_B9XRB8 | E F S V A T R G R G F Y E | T R Q V S A W I G D C A V Q Q G L I T L H L C R H | | | |
| UniRef90_G6ECM5 | L S I D T P G R G L T E | T R A V A E W L A A Q G V D E G L L T L L C R H | | | |
| UniRef90_M4Z110 | L T V Q T A G R G F T D L | T R E V D A F L R G V S A R E G A V T V F I R H | | | |
| UniRef90_U4KA06 | T A K R R G F H L V | T D E I E Q H L P Q R Q Y S I V G L L H L F I K H | | | |
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| UniRef90_A0A022R8M5 | M T V T L P A Q R R G C H L | T S K I L R D I I Q S S G F K C G L A H F F L Q H | | | |
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| UniRef90_W6ZKQ7 | E V K L S P K K R G F H L | T D E I V R Q V S E S S Q V I S V G L A H I F I K H | | | |
| UniRef90_A4BU49 | E F A T P G R G C I Q E | T A D V A S V V R E S A G I R S G L L H L F I H H | | | |
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| UniRef90_M5TWK8 | E L R L P A K S R G F H L | T S A I E E L V D L S R V V R V G L L H C F I H | | | |
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| UniRef90_A7HJ07 | L W F N T Q K K K E L V H | T P K I E G I V E K S G I K E G F C L V S A M H | | | |
| UniRef90_B3Y5R3 | K R G C H V I | T R Q V V Q Q I P E S S G F E V G M A N F F I Q H | | | |
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| UniRef90_UPI000472F7E7 | L T L R A R S R G F H S I | T D D I R R L G N L P I E V G I C Q I F I Q H | | | |
| UniRef90_J9GSH3 | Q I T F P R K R R G C H L | T Q E V L Q H P Q P L P Q A G L L N F V Q H | | | |
| UniRef90_S6A5K3 | E I I Y L S T K E R E L V D I | T N K V E E A V Q E S K I R N G I C L V Y A P H | | | |
| UniRef90_B0V189 | E L L H F R T D K R R D F I N I | T P L V R N V L H E S S G I K D G L C L V N S M H | | | |
| UniRef90_UPI00037367C4 | E I R L R K P K T R G F H L V | T R E V C Q N L P P E E S I V K V G G V M H L F I Q H | | | |
| UniRef90_E1ZL41 | E L L T L P A F K R G C H L V | T S H I V R E V S G S G V V K V G L A H I F I Q H | | | |
| UniRef90_Q0W1C9 | L S L E S K G Y S N M I N I | T D Q V E Q V L V A S G G I N E G I A T I F V P G | | | |
| UniRef90_A6W1R2 | I E F Q L P A M R R G F H L I | T D Q V E A A L S K T P V S I I G L L H V F V Q H | | | |
| UniRef90_UPI00047E94EE | F E V A T S G R G T R N I | T E T V A R A V Q A S G I Q A G T A H A V F V Q H | | | |
| UniRef90_T1JPK3 | H R G C H L V | T D E I L K A I P E Q Q F S L G L C H V Q I L H | | | |
| UniRef90_V3TKG7 | E I R L T L K A R G F H L I | T D E V L A Q V G E R Q I N I G L L M H V F I K H | | | |
| UniRef90_A3SMU7 | F T I T T R G P G L Y E I | T R E L S A W V R G Q G I E T G L L T T L F I R H | | | |
| UniRef90_Q01Q59 | L Q I P T R G K G L Y E I | T H Q I A G W L A G V K V R S G L L T L V Q H | | | |
| UniRef90_F7ZH35 | Q F E F Q T D G P G L Y E I | T D Q V A A W L R P R G D G L L T L L V Q H | | | |
| UniRef90_UPI00040DB273 | I T L K P C S R G F H L I | T G D I L N A M P Q S L L A T G M C Q V F I Q H | | | |
| UniRef90_N9VQE2 | I R I D T R R R G F H L V | T D E L L A Q L P E A G Y R V G L V H L L Q F C R H | | | |
| UniRef90_A0A031T7C5 | L R I D T R R R G F H L V | T P D V L R W V A A Q G M T T G L L T V F C R H | | | |
| UniRef90_G4S5Z9 | Q I K I I S S K K R G F H L I | T P E I R Q G L P E L G I K C G L L H F I Q H | | | |
| UniRef90_UPI000363AAC9 | E F A L D T G G R G T V E I | T R R V A D V V S E A G A G D G L C H V F V R H | | | |
| UniRef90_A5UV84 | E L W F N T P T R V A F V R I | T D Q V A A A V R K S G V R E G L C L V N A M H | | | |
| UniRef90_R5QLAO | F A V Q T E G G H F T N I | T N A V Q N A V R Q S G I T T G L M T L F I K H | | | |
| UniRef90_UPI0004717690 | L S I R T R G K G M T M | T A P V L D W V A S T G I E D G G L L T L W C R H | | | |
| UniRef90_F2LXJ1 | Q I K T Y T R K E A I E T S I | T S I V Q K Q V E K I K S G V A V I Y V P H | | | |
| UniRef90_E7QSP2 | M E F E V T T S K R V D I V D I | T D R V A E H V P E A A D T C T V F F V P H | | | |
| UniRef90_UPI00037BB1AA | I E F S L P A Y S R G Y H L I | T P K V L A Q L P D D L P K T G L L S I F I K H | | | |
| UniRef90_M2LIW5 | I T L P S H S R G T H L | T D T V T S S L P E A S Y R V G L L H F I Q H | | | |
| UniRef90_C6T275 | I T L P P L K R G G C H L | T S K I V K E V R Q S E Y Q C G L L A H F I R H | | | |
| UniRef90_V4RMC8 | I L T R R T P G P G F H D I | S S E V D A W L S G E G A L S G L L T V F I R H | | | |
| UniRef90_UPI000287ED0A | E L T F D T P G Q Q G L H D C | T R A V N R W V E A T G I Q T G F G L L T V F V R H | | | |
| UniRef90_I3YG54 | F S I R T E G R G T Y D I | T R E V Q R Q A R A S G L Q F G L L C H L F V H H | | | |
| UniRef90_H6L6G7 | I A L R A K S R G F H L I | T A E V L Q Q Q L P A L P Q N G L L Q F I Q H | | | |
| UniRef90_F2KNN7 | I E I R T G K R T E I I D | T A D V R K V V E E S G G G G I A V V Y T L H | | | |
| UniRef90_W2UP30 | E I K I I E S Y P R G F H L I | T N K I L D A I P E T T L T V G Q L Q V F I K H | | | |
| UniRef90_K2BP95 | I L E L T T T G R E L I N I | T G Q V S K I V S L S I S S G I K E G M A L V S A M H | | | |
| UniRef90_Q1PV39 | L T F N T K K H R E L I N I | T K E V E R E L I L S G I K E G M A L V S A M H | | | |
| UniRef90_I4C6D6 | E L W F N I P K R R G F I N I | T P Q V E G A L H D S G G V R E G L L V L V N A M H | | | |
| UniRef90_H4F5L1 | I I E L S T H G Q G L Y E F T E K A A R F V S E E G S D D G L L T V F V R H | | | | |
| UniRef90_UPI000255876C | E I K I L K A R K R G Y H L I | T E E V I S I S A M P E S T I I K G Q L Q F I K H | | | |
| UniRef90_UPI0003653792 | E I E V E T D G R G L V E I | T E Q V R E F V D R Q S V D I G V L T L F C R H | | | |
| UniRef90_I7ZGJ4 | I E I R L K P R P R G F H L V | T D E I Q A Q L P E R A I I E I G L L H L L Q F C R H | | | |
| UniRef90_D5EAC5 | Q L S T S K S V E I V D I | T D K V S D V V R S S S N I N E G M C T I S T S H | | | |
| UniRef90_C5ALG8 | L V I E T R G R G L V E F T S R V R A F I D Q S I R D G L L T V F C R H | | | | |
| UniRef90_K1WBV2 | L K I K T Q G K G S L A K I | T R Y I Q E A V E T S Q I Q T G L Q V F I R H | | | |
| UniRef90_A3JWM6 | I E F S V S T H G A G L Y E I | T R S V Q N W L A N E Q T K D G L L T V F V R H | | | |
| UniRef90_Q3ADM8 | M E I K V S S S R K I E L I D I | T A R V A E K V P E A K A L M F V P H | | | |
| UniRef90_D1AKJ8 | M I L K I N S A K N E F I E V T A M V K N T I Q E N K W R N G I L F L N V L H | | | | |
| UniRef90_L0D8S8 | L T L L A T R G R G T Y E I | T R Q I Q V V G N A A I E R G G L L T V F V H | | | |
| UniRef90_A7C584 | I S V H A P H Q G L F H | F T Q Q V A N V V R E M G F Q E G L C T L F V Q H | | | |
| UniRef90_UPI00034542AA | E I K T S G K G C L H S I | T S Q V M T V V K K S G I Q T G I C T L V F I L H | | | |
| UniRef90_A0B7Q7 | I E L S T N R G C E I V D I | T P Q V R A V D S G V I D G I C L V Y T L H | | | |
| UniRef90_F3ZTY6 | E F R L K A R S R G F H Y I | T S E V L Q E Q L P S L P D V G M L N L F I K H | | | |
| UniRef90_W5YQU0 | I E L K P Q S R G F H L V | T N E I I A Q A P A L Q N C Q V G L L H F I Q H | | | |
| UniRef90_UPI00045E9CCC | E I R L K A R P R G F H W V | T E D I L R Q L P E E K V S V G M L N V F I K H | | | |
| UniRef90_R6MEY2 | E H Q I A T N A S Q M T K I V | T E M V R E D I E R S G V R E G I A V I F S P H | | | |
| UniRef90_K5YLV7 | I L T L R P R P R G F H L I | T D E I L Q Q A A L P E R G I C L V Y T L H | | | |
| UniRef90_UPI000468B08B | V E F K L E K Q N R G F H L I | T T G E I L N H L P Q Q L P R T G I L H L F I K H | | | |
| UniRef90_J9ZFG0 | F Q T K N R R D Y L R I | T D K V R S A V R K S G I Q E G M V L V S A M H | | | |
| UniRef90_UPI000344CD38 | E I E V E T G S G I S Y N I | T P Q V L L Q L E A S G V K V N G Q L L V F S R H | | | |
| UniRef90_UPI00036513A5 | E I R L V P K S R G Y H I | T Q E I I A K E I P E S K I S T G L A H F I Q H | | | |
| UniRef90_L8MP94 | E I L T L R A R P R G F H L V | T E E I L A A L P E R G I C L V Y T L H L F I K H | | | |
| UniRef90_G3AEG4 | V T F S L S P R S K G C Y L I | T D E V L R N V P Q K N Y E V G I L N L F I L Q H | | | |
| UniRef90_G0A4R2 | E I R L K P R S R G F H L V | T D E I V A Q L P P E R E I H I G L L H V F I K H | | | |
| UniRef90_I7A107 | F T V N T R G N N D I D I | T G E V N D K L I E T G F K E G N V L V F A P G | | | |
| UniRef90_A5MZB0 | E L W F D I P K R R A F I N I | T P Q V I E K C L K E S G I K E G L L L C N A M H | | | |
| UniRef90_X1IQZ8 | K I S L Q S K G H C D I D I | T P Q V E Q K L G E T D I S D G T V T L F V T G | | | |
| UniRef90_UPI0004786D08 | F T I S T R G K G L Y E F T R T L S E W V P R D D Q K I H T G L L T F C R H | | | | |
| UniRef90_D1JE1A | UniRef90_F7UTZ2 | K M T I A T Q G Q G E F Y E F T A E S A R F V R D T G M D E G L L T I F V R H | | | |
| UniRef90_E4QJ98 | I T V R T Q G K R L Y D I T P Q V T D W V A D T G L Q S G L L T L Y I Q H | | | | |

| | | 50 | 60 | 70 | 80 |
|------------------------|-----------------------------|---|---|---|----|
| UniRef90_X1IM32 | T T A A | V F V | N D A E S G | L L A D I D E W E N L A P F R D D Y R H H R T N G | |
| UniRef90_A0A031LK27 | T T C S | I I N E A E Q G | L M K D Y L I W A K K L V P P D G E F N H N D N N G | | |
| UniRef90_UP100036B423E | S S A S | I T L N E N A D P T | V R A D M E A H F N F V P E R A P Y Y Q H T Y D M | | |
| UniRef90_B7K5E4 | T S A S | L V I Q E N A D P D | V L V D S N F F S R L V P D G D A L F Q H T D D M | | |
| UniRef90_B9XRB8 | T S A S | L L I Q E N A D P E | V R R D L L D W E R L A P E G D H Y A H G P D D M | | |
| UniRef90_G6ECM5 | T S A S | L L I Q E N A A R E | V R S D L L D W E R L A P E G D H Y A H G P D D M | | |
| UniRef90_M4Z110 | T S A S | L T I Q E N A D P T | V R A D M E Q H F N K F V V P E R A P Y Y Q H T Y D M | | |
| UniRef90_U4KA06 | T S A S | L T L Q E N A D P T | V R Q D F E S H F N H M V V P E N Q P Y Y R H T D D M | | |
| UniRef90_UP100042065E4 | T S A S | L A I N E D A D P T | V R Q D F E S H F N H M V V P E N Q P Y Y R H T D D M | | |
| UniRef90_D8FUU8 | T S A S | L V I Q E N A D P D | V L R D L L A N F L A K I V P E G P Y Y I H G P D D M | | |
| UniRef90_A0A022R8M5 | T S A S | L T V Q E N A D P D | V R A D T E T F L N K V V P P W K H T L E G P D D M | | |
| UniRef90_D1JB29 | A T G A | I T T I E Y E P G L | L L Q D L P N A L E R L F P P Y E H E N R W H D G N G | | |
| UniRef90_W6M7R8 | A T A A I M I Q E N W D E S | V P L D V V N F L R K L P P G V W H D Q Q D G N G | | | |
| UniRef90_W6ZKQ7 | T S A S | L T I Q E N A D P T | V R D D F E S F F S R A V P E D E P Y Y K H Y E G | | |
| UniRef90_A4BU49 | T S A S | L I I C E N A D P A | V R E D L E H F S Q R L P D G D P L F T H R D D M | | |
| UniRef90_D7CY98 | T S A S | L T V N E N A S P E | V R G D F E R H L N V V P E A P Y F E H G P D D M | | |
| UniRef90_M5TWK8 | T S A S | L T I N E N A D P D | V R V D F E T A M N H V P E N L A Y V H G P D D M | | |
| UniRef90_F8EWU0 | I T A S | V F I N D D E G G | L H Q D F D V W L E K A P H E P V S A Y R H N N A | | |
| UniRef90_D1YW12 | S T A S | I T T I E Y E P G L | L L K D F P R A M E K L A P R E A H Y D H D A R W G | | |
| UniRef90_M2YXD4 | T S C G | L S N E N W D E S | V R Q D M S D A L D R I V P R K Q G L Y R H D C D M | | |
| UniRef90_A7HJ07 | I T A G I I T V | N D N E S G | L H K D I W N W L E K L P E G D Y Y H H M T T N G | | |
| UniRef90_B3Y5R3 | T S A S | L T I N E N A G P D | V P L D L N D A L D K I V P E G H Y Y R H G L D D M | | |
| UniRef90_R5W7G7 | T S A G L S V | N E N C D P D | V R S D M E K F F N N V V R E R E S W Y D H T D D M | | |
| UniRef90_UP1000472F7E7 | T S A S | L A L N E D A D P T | V R I D F E T Y F N K Y V V P E N D P D Y R H D Y D M | | |
| UniRef90_J9GSH3 | T S C A L S I | N E N A D P D | V Q T D L E Q M N H V P P Y Y Q H T L E G R D D M | | |
| UniRef90_S6A5K3 | A T A A I I L | N E H E K G | L L S D I V K K I L E I A P P G A N Y L H N R N N A | | |
| UniRef90_B0V189 | I T S S | V F I N D D E K G | L H S D F E T W L E K L A P E K P Y S Q Y R H N G F | | |
| UniRef90_UP100037367C4 | T S A S | L T I N E N A D P T | V R R D D M E S H F N Q T V V P E N A P Y Y K H T D D M | | |
| UniRef90_E1ZL41 | T S A S | L T I N E N A D P D | V R V D M E T F L N R V V P P W V H T D E G P D D M | | |
| UniRef90_Q0W1C9 | S T A S | I T T I E F E | P G L Q Q D L P R A L E R L A P S D A S Y E H D K W G | | |
| UniRef90_A6W1R2 | T S A S | L T I N E N A D P S | V R R D M E K H F S Y M V P E D Q P Y Y E H Y D I | | |
| UniRef90_UP100047E94EE | T S C S | L L I T E N A D P D | V R R D L E T V L A R V P A P D G D P A Y R H D D D M | | |
| UniRef90_T1JPK3 | T S A S | L A L N E N W D P D | V R R D D F E M M L N K I V V P P Y K H S C E G P D D M | | |
| UniRef90_V3TKG7 | T S A S | L T L N E N A D P T | V R A D F E R F F N N H V V P E D A P Y Y R H T Y D M | | |
| UniRef90_A3SMU7 | T S A S | L T I Q E N A D P E | V R T D L R N F F A R L V V P Y L T H T Y E G P D D M | | |
| UniRef90_Q01Q59 | T S A S | L T I Q E N A D P D | V V H L N T F F S R L V V P E D N R L Y R H P D D M | | |
| UniRef90_F7ZH35 | T S A S | L L I Q E N A D P D | V Q T D L Q F A F N N R L V V P P A D H T V E G P D D M | | |
| UniRef90_UP100040DB273 | T S A S | L T I N E N A D P T | V R K D F E M Y F N K T V V P D Y E H D Y E G S D D M | | |
| UniRef90_N9VQE2 | T S A S | L T L N E N C D P S | V R A D M E A H H R L A P E D A P Y Y R H P D D M | | |
| UniRef90_A0A031T7C5 | T S A S | L V I Q E N A A P A | V R D M E A Y F D R L A P E S G T Y E H G P D D M | | |
| UniRef90_G4SZ59 | T S A S | L A I N E N A D P D | V R M D V E A Y F S K T V V P E P Y Y R H T D D M | | |
| UniRef90_UP1000363AAC9 | T S A S | L I I C E N A D P S | V R R D L E T V A A R L F P D G D P A Y V H P D D M | | |
| UniRef90_A5UV84 | I T A S | V F V N D N E S G | L L W H D F E R W L E K L A P R G D D Y A H D Q G N A | | |
| UniRef90_R5QLAO | T S A A L T V | Q E N A D P D | D V L Y D L K N F F D R T V V P Q D D S L Y V H T Y D M | | |
| UniRef90_UP10004717690 | T S A S | L I V Q E N A D P T | V T Q Q D I A S F F D D I V V P E R S R A Y R H D Y D D M | | |
| UniRef90_F2LXJ1 | T T A G I T I | N E A Y D P A | V C E D M L E E L T R L I P P Y S S K Y K H E G N A | | |
| UniRef90_E7QSP2 | T T A G G V I V | N E N E R R | R L R S D F K T L L S R L V V P R G D D Y A H D Q G N A | | |
| UniRef90_UP100037BB1AA | T S A A L T V | N E N A D P S | S V V R T D F E S L V V H I V P E N L P F L K H T M D M | | |
| UniRef90_M2LIW5 | T S C A L S L | N E N W D E D V | V R A D M S D A L D R L A P E Y R H S A E G L D D M | | |
| UniRef90_C6T275 | T S A S | L T I N E N Y D Y D | V R R D D T E T F L N G M V V V P P W K H T L E G P D D M | | |
| UniRef90_V4RMC8 | T S A S | L T I Q E S A S A P P | V V R R D L A E V L D R L A P R D R R R Y H H G P D D M | | |
| UniRef90_UP1000287ED0A | T S A S | L L I Q E N A A P A | A R R D V E R Y F A K I A P E G A G A Y E H D D D D M | | |
| UniRef90_I3YG54 | T S A S | L V L C E N A D P S | V R R D L E A F L R V V P D G D R L F D H P D D M | | |
| UniRef90_H6L6G7 | T S A G L T I | N E N A D P D | V R M D F E T F N R L V V P E N Q K G L L H P D D M | | |
| UniRef90_F2KNN7 | T T T A V I I | N E E P G L | L L E D I V S A L S K I V V P T G A G Y K H D R D N A | | |
| UniRef90_W2UP30 | T S A S | L T I Q E N A D P T | V R T D F E S H F N K M V V V P Y Y I H T Y E G P D D M | | |
| UniRef90_K2BP95 | T S A S | L L I C E N A D P S | V Q V D L N N F M S H V V P D G D P H Y E H Y D M | | |
| UniRef90_Q1PV39 | I T A G V F I | N D D E S G | L H R D I E E W L Q K L V V P A P H A P H N R T G E D N G | | |
| UniRef90_I4C6D6 | I T A S V F I | N D D E S G | L H Q D Y D R W L E E L A P H A P H N R T G E D N G | | |
| UniRef90_H4F5L1 | T S C S L L I | Q E N A D P S | V V Q V D L K A F F R R L V V P Y I L H R D E G P D D M | | |
| UniRef90_UP1000255876C | T S A S | L T I Q E N A D P T | V R Y D F E T H D K M I V V P E N M P Y Y K H N Y D M | | |
| UniRef90_UP10003653792 | T S A S | L L I Q E N A D P S | V Q R D L E R Y F E T L A P E D P K R Y E H P D D M | | |
| UniRef90_I7ZGJ4 | T S A S | L S L N E N A D P A | V R G D F G R W F D R A V P D G A A A Y F R H V D D M | | |
| UniRef90_D5EAC5 | T T C C A I I V | N E N E S G | L V S D M E L L E K L V P S N A D Y Y H D R N N A | | |
| UniRef90_C5ALG8 | T S A S | L L I Q E N A D A S | V V Q R D L E R Y F E E I A P E D A A R Y E H D D D M | | |
| UniRef90_K1WBV2 | T S A S | L L I Q E N A D P D | V V Q R D L E F R R L V V P E G D Y Y I H G P D D M | | |
| UniRef90_A3JWM6 | T S A S | L L I Q E N A D P D | V Q T D L H A F F R R K L V V P H A N H P Y E G P D D M | | |
| UniRef90_Q3ADM8 | T T A G I L I | N E N A D P D | V K R D L E M Y F A K V V V P E L P F R H F E G N S | | |
| UniRef90_D1AKJ8 | T T A A L T I | N E N A D D D V | V T D L I N A L N D L V V P D I R Y Y H T E G N S | | |
| UniRef90_L0D8S8 | T S A S | L I V C E N A D P S | V V R V D L E R Y F A R L V V P D G D P I F V H D D D M | | |
| UniRef90_A7C584 | T S A S | L L I Q E N A D P A | V V R D L E R W L N R L V P E G D S L Y T H T D D M | | |
| UniRef90_UP100034542AA | T S A S | L L I Q E N A D P D | V L A D L S N F F S K L V V P E N G F D Y L H S D D D M | | |
| UniRef90_A0B7Q7 | T T A L I V | N E A E S G | L L I D K T R E I V V P G V G Y R H G E N G | | |
| UniRef90_F3ZTY6 | T S A G L T I | N E N A D P S | V V L D D L N S F N R L V V K D G E S Y Y I H S Y D M | | |
| UniRef90_W5YQU0 | T S A S | L A I N E N A D P D | V V R G D L E R H F N V M V V P E N A P H Y E H T M D M | | |
| UniRef90_UP100045E9CCC | T S A S | L T I N E N A D P T | V V R Q D F E S F F N R A V P E D E P Y Y K H T Y E G | | |
| UniRef90_R6MEY2 | T T A G F T I | N E N A D P D | V V V H D M L C G F E K V F V P A E Q F F Y Q H E G N S | | |
| UniRef90_K5YL7V | T S A S | L T V N E N A D G A | V V R D F E R F F D R L A P Q G E Q G Y E H D Y E G | | |
| UniRef90_UP1000468B08B | T S A S | L S I N E N F D S D | V V R H D L E S F N K L V V P Y Y L H K Y E G D D D M | | |
| UniRef90_J9ZFG0 | I T A G V Y V | N D N E P G L | V V R D D L E A D I D E W L E S L A P S G R D Y R H H R D N G | | |
| UniRef90_UP1000344CD38 | T T T A L A I | N E E R E L | V V R L D K A H E K L A P P S G T Y L H N D L H A | | |
| UniRef90_UP100036513A5 | T S A A L T I | N E N A D P S | V V R H D F E S H F N R A V P E D T S L Y E H T D D M | | |
| UniRef90_L8MP94 | T S A S | L T V N E N A D P A | V V R R D F E R F F N R L V V P Q G E S G Y E H D Y E G | | |
| UniRef90_G3AEG4 | T S A G L T L | N E N C D P D | V V R T D M T S S L D R M V P E G D F Y I H G P D D M | | |
| UniRef90_G0A4R2 | T S A A L T L | N E N A D P T | V V R V D F E S F F N R A V P E D Q P Y Y Q H R D D D M | | |
| UniRef90_I7A107 | S T A G I T T | I E F E P G L | V V L K D Y P E F F E K I A P S G K R Y H H D D T W H | | |
| UniRef90_A5MZB0 | I T A S V F I | N D D E G G | V V L H K D F E N F L E K V A P E K P H D Q Y Y H N N A | | |
| UniRef90_X1IQZ8 | S T A G I T T | I E F E S G | V V L L S D F Q G M W E R N V P T D I P Y K H D R A W G | | |
| UniRef90_UP10004786D08 | T S A S | L L V Q E N A D P T | V V Q G D I L S Y F D R L V P E D D G P Y E H N Y D D M | | |
| UniRef90_D1JE1 | T T T G I T I | N E N E S G | V V L K S D I L T F L N E L I V P K R G G Y A H D R N N A | | |
| UniRef90_F7U7Z2 | T S C S L L I | Q E N A D P D | V V V R R D T M F F S R L V V P W V H T L E G P D D M | | |
| UniRef90_E4QJ98 | T S A S | L L V N E N Y D S D | V V V L V D M E A F F A R L V V P E G D P L F I H P D D M | | |

| | 90 | 100 | 110 | 120 |
|------------------------|---|-----------------------------|---------------------------|-----|
| UniRef90_X1IM32 | D A H L K N [L] I H H E V I V P | I T G G R L D L G P W Q Q | I Y Y G E F D G R R P | |
| UniRef90_A0A031LK27 | H A H I I S A I I I G T S R I V P | I K N K K L D L G T W Q R I | I L L E F D G P R N | |
| UniRef90_UP100036B423E | P A H I K A S L L G N S L S L P | I T N G Q L N I G I W Q G | V Y L G E H R N A G S | |
| UniRef90_B7K5E4 | P A H I R S A L L T K T S E Q I P | I M D S R L V L G T W Q G | V Y L W E H R S H R | |
| UniRef90_B9XRB8 | P A H I V R T A L L T A V N L S I P | I Q D G R M M M L G T W Q | V Y L A E H R R R P H R | |
| UniRef90_G6ECM5 | P A H I R A T L L T G V N L L S I P | I T N G R L A V G T W Q | V Y L I E H R R P H A | |
| UniRef90_M4Z110 | P A H I K T M L S A V S L L Q V P | I S Q G R L V L G T W Q | V Y L G E H D H G G A | |
| UniRef90_U4KA06 | P A H I K A S T L L G S S V T I P | I T N G R L A V G T W Q | V Y L C E H D H A S K | |
| UniRef90_UP100042065E4 | P A H I L K A A L L G A S V T I P | I K N G E L N M G T W Q | V Y L W E H R Q R G N | |
| UniRef90_D8FUU8 | P A H I R T T L T H T S E Q I P | I S Q G R L V L G T W Q | V Y L C E H D A A T P | |
| UniRef90_A0A022R8M5 | P A H I K S S M F G C S L T I P | I T D G Q L N M G T W Q | V I F I E L D N K R R | |
| UniRef90_D1JBZ9 | H S V R A S F L G P S L T V P | F R A K K L M L G T W Q | V F F C E F D G P R S | |
| UniRef90_W6M7R8 | D A H L K A G L V G P S E T I P | I D G Q L G L S T W Q | V F F C E F D G P R S | |
| UniRef90_W6ZKQ7 | P S H I K A S L L G N S V S V P | V S D G S F N M G I W Q | V Y L C E H R N G G S | |
| UniRef90_A4BU49 | A A H V R T V L T Q S S L A P | V A D G R L A L G T W Q | V F L W E H R R R A Q Q | |
| UniRef90_D7CY98 | P A H L K G S L M G F S L L L P | V S E G R L A L G T W Q | V Y L C E H R N G G P | |
| UniRef90_M5TWK8 | P A H V K A S S M M G A S S V S P | V R D G R L R M G T W Q | V Y L C E H D R A S S | |
| UniRef90_F8EWU0 | D A H M K R Q I M G R E V V V A I P | I T R G E L H F G P W E | V F Y G E F D G Q R R | |
| UniRef90_D1YW12 | H S H V R A S T I G P S L V V P | F Q N G R L M L G T W Q | V I F I D F D N P R S | |
| UniRef90_M2YXD4 | P A H V K A S A L L V G A S V T V P | I C E G R V G L G T W Q | V W Y L E F F D R V H | |
| UniRef90_A7HJ07 | D A H L K R L L V H Q V V I P | T N G K L D L G P W E E | V F Y A E F D G Q R R | |
| UniRef90_B3Y5R3 | P A H V K S S L L M G P S L T I P | Q H G R L A L G T W Q | V Y L N E H R N G G S | |
| UniRef90_R5W7G7 | P A H A K S S L L V G A S S L S I P | I T D G R L N L G T W Q | V Y L C E F F R N G G G | |
| UniRef90_UP1000472F7E7 | P A H L K A A I L L G A S V M I P | V K D G A L A L G T W Q | V Y L C E H R N G G N | |
| UniRef90_J9GSH3 | P A H A K C S L F G V S T I P | T E G R L N L G T W Q | V Y L C E F F R Q Q G T | |
| UniRef90_S6A5K3 | H A H V A S S I I G S S A T L P | V N G E L V R G T W Q | V F L V E L D G P R S | |
| UniRef90_B0V189 | D A H L K R Q I M G R E V V V A I P | T N G E L D F G T W E | V F Y G E F D G M R D | |
| UniRef90_UP10003767C4 | P A H I K T V T V G H S I S V P | V T D G R L A L G T W Q | V Y L G E H R N G G S | |
| UniRef90_E1ZL41 | P A H I C K A S S M M G A S V M I P | I T N G R L N M G T W Q | V W L C E H D H G G R | |
| UniRef90_Q0W1C9 | D S H I R A A V V M G P G I V V P | F K D K S L L L G T W Q | V L V D F D R P R R | |
| UniRef90_A6W1R2 | P A H I K A S M L L G S S L T I P | R D K R L C L G I W Q | V Y L G E H D H G G S | |
| UniRef90_UP100047E94EE | A A H A R T V L T G E S S L T V P | I R D G R L L L G T W Q | V F L W E H R A P Q R | |
| UniRef90_T1JPK3 | P A H V K A C F I G P S S L T V P | I G G R L L L G T W Q | V W L C E H R N A G S | |
| UniRef90_V3TKG7 | P A H L K G S L L G N S L S L P | I T D G R L N L G T W Q | V Y L C E H R N G G N | |
| UniRef90_A3SMU7 | P A H I K A A L L L P V S L V G I P | M D G A L C L G T W Q | V Y L F E E H R A A H | |
| UniRef90_Q01Q59 | P A H I R A A L L T Q V S S V P | V E G G Q L A L G T W Q | V Y L V E H R R S P H | |
| UniRef90_F7ZH35 | P A H I K A A I L M P V S L V G I P | V A A G Q Q L Q L G T W Q | V Y L C E H D H G G T | |
| UniRef90_UP100040DB273 | P A H I L K A S L L L G S S S V M I P | I K N G R L A L G T W Q | V Y L C E H R R N G G R | |
| UniRef90_N9VQE2 | P A H I K S S L L G G V S L T L P | Q E G R L A L G T W Q | V W L F E E H R R S P H | |
| UniRef90_A0A031I7C5 | P A H I R T A L T G V Q L S I P | I D G A P L G T W Q | V Y L F E E H R S P H | |
| UniRef90_G4SZ59 | P A H I K N I M I G C S L T I P | V G S G R L L L G T W Q | V Y L C E H R R N A G T | |
| UniRef90_UP1000363AAC9 | P A H I L R S V F T N S G Q L T V P | S T G R L A L G T W Q | V Y L W E H R R R G H | |
| UniRef90_A5UV84 | D A H L K R T I M G R E V V V A I P | T D G K L D L G P W E | V F Y G E F D G Q R R | |
| UniRef90_R5QLAO | P A H I R S T L T G V S V L N I P | V S N G K A T L G T W Q | V Y V C E F R N P N V | |
| UniRef90_UP10004717690 | P A H I R S V L T N V Q L S I V P | M G R P V L G T W Q | V Y L F E E H R R P H | |
| UniRef90_F2LXJ1 | D A H I Q A S L V V G S S S V N I V I P | E N G K L V L V G R W Q | V F F M E F D G P R N | |
| UniRef90_E7QSP2 | D A H L R S V L L G E H V T T V P | E D G E L A L G T W Q | V L F V D C D G P R T | |
| UniRef90_UP100037BB1AA | P A H I K A S F I G S S V T I P | T N G Q L N L G T W Q | V Y L C E F R N G G C | |
| UniRef90_M2LIW5 | P A H I K S V L V G A T V S M I P | E S G R L A L G T W Q | V Y L L E F F R A A H | |
| UniRef90_C6T275 | P A H I K S S M F G C A L M I P | I S N G K L N M G T W Q | V W L C E H D Y P T P | |
| UniRef90_V4RMC8 | P A H I R S M M L T D V S L S I P | V D G R M C L G T W Q | V Y L V E H D R P H | |
| UniRef90_UP1000287ED0A | P A H I L R A A L T A T S L S I P | V A S G E P V L G T W Q | V Y L F E E H R R R P H | |
| UniRef90_I3YG54 | P A H I K A I L T N M D L T V P | R D G A C D L G T W Q | V Y L Y E E H R R G H | |
| UniRef90_H6L6G7 | P A H I K A I L T N M D L T V P | R D G A C D L G T W Q | V Y L C E F F R N G G R | |
| UniRef90_F2KNN7 | P A H I K T A F T G T S L S I P | G Q Q L A L G T W Q | V Y L C E F F R N G G R | |
| UniRef90_W2UP30 | D A H I R A V L L G N S V V V P | V E N G K L Q L G T W Q | V L F V E L D G P R T | |
| UniRef90_K2BP95 | P A H I K A S L L L G S S S V T I P | I T D G Q L N L G T W Q | V Y L C E H R R N G G T | |
| UniRef90_Q1PV39 | P S H I R S I L T Q N S I S I P | N I S L N L G T W Q | V F F W E H R R K S H | |
| UniRef90_I4C6D6 | D A H I K R Q I M G R E V V V A I P | T E G K L D F G P W E | V Y Y A E F D G Q R R | |
| UniRef90_H4F5L1 | P A H I K A A L L L P V S L S I P | F A D G R L L L G T W Q | V Y L F E E H D H P H | |
| UniRef90_UP1000255876C | P A H I K A S M L G C S V T I P | V T N G K L N L G I W Q | V Y L F E E H R N G G A | |
| UniRef90_UP10003653792 | P A H I R T A L T Q V V Q L S I P | E Q G R L V L V G T W Q | V Y L F E E H R R R E H | |
| UniRef90_I7ZGJ4 | P A H I K S G L L G C Q L S I P | I A A G R L R L G T W Q | V Y L F E E H D H G G A | |
| UniRef90_D5EAC5 | D A H I R A V L L G N S E T M P | R K G D L E L G T W Q | V F F L V E L D G P R K | |
| UniRef90_C5ALG8 | P A H I R A A L T Q V V Q L S I P | V R K G D L E L G T W Q | V Y L F E E H R R R A H | |
| UniRef90_K1WBV2 | P A H I R S V L T N T S E Q I V P | T K G T L D M G P W Q | V Y L F E E H R R R G S | |
| UniRef90_A3JWM6 | P A H I K A A M M P V S L V A I P | T E G K L D F G P W E | V Y F Y A E F D G Q R R | |
| UniRef90_Q3ADM8 | P A H I L S S L V V G V S L Y V P | N Q G K L I N G I W Q | V Y F F A E F D G P R E | |
| UniRef90_D1AKJ8 | P A H I K A S L I G S D L T V Q P | P V N G T P V L G R W Q | V Y F F C E F D G P R S | |
| UniRef90_L0D8S8 | D S H I K A S L I L T Q S S S T I P | V A R S R C D L G T W Q | V Y L W E H R A P H | |
| UniRef90_A7C584 | P A H I K S A L T A T S L L A I P | V K G E L A L G I W Q | V Y L W E H R R R S H | |
| UniRef90_UP100034542AA | P S H I R S I L T S T S E N I I P | R D G K L L L G T W Q | V Y L F V E L D G P R R | |
| UniRef90_A0B7Q7 | P A H I Q A S L L G N S S V V V P | E K G I P L G T W Q | V Y L C E F F R N G G P | |
| UniRef90_F3ZTY6 | P A H I K A T V L V G T S L N I P | T N G Q L N L G T W Q | V Y L C E F F R N G G P | |
| UniRef90_W5YQU0 | S A H I K A T V L V G T S L N I P | T N G Q L N L G T W Q | V Y L C E F F R N G G P | |
| UniRef90_UP100045E9CCC | P A H I K S V L V G P S L T I P | N D G H L A L G T W Q | V Y L C E F F R N G G S | |
| UniRef90_R6MEY2 | P S H I K S S I L G C S L N I P | T H G R L N L G I W Q | V Y L C E F F R N G G S | |
| UniRef90_K5YLV7 | H A H M K T T V V G P S Q T L I P | H D G E I V F G I W Q | V Y F F C E F D G P R N | |
| UniRef90_UP1000468B08B | P A H I K F K A S L L G C Q L S V P | T A G R I L L G T W Q | V Y L G E E H R R Q G G A | |
| UniRef90_J9ZFG0 | P A H I K A C T I V V G S S I T V P | T N G K L N L G T W Q | V Y L C E F F D Y G G N | |
| UniRef90_UP1000344CD38 | D A H I K N L L I H H E V I V P | T R G D L D L G P W Q | V Y F Y A E F D G Q R E | |
| UniRef90_UP100036513A5 | H S H I K M A L M L S S S E A I P | A D Q G L A L G T W Q | V Y L F F D L D G P R N | |
| UniRef90_L8MP94 | T S H I K S S I L L G G S S V T I P | T D G S F N L G T W Q | V Y L C E F F R N G G S | |
| UniRef90_G3AFG4 | P A H I F K G S L L G C Q L S V P | R D G R L A L G T W Q | V Y L G E E H D H G G A | |
| UniRef90_G0A4R2 | P G H I V K S T T V V G V N L N I P | I S S G R L A T G T W Q | V Y L C E F F R N G G S | |
| UniRef90_I7A107 | P A H I L K S S L L G C Q L S V P | I N S G R L A T G T W Q | V Y L C E F F R N G G S | |
| UniRef90_A5MZB0 | D A H I K R S I L M G R E V V V A I P | T E G K L L L G T W Q | V Y L D F G P W E | |
| UniRef90_X1IQZ8 | Y S H I V R A S L L G A S L V I P | F S D K R L A L G T W Q | V Y L V D F D N P R S | |
| UniRef90_UP10004786D08 | P A H I K T A L L T Q V Q L S I P | V I D G G L V L G T W Q | V Y L F E E H R R R S H | |
| UniRef90_D1JE1A | H S H I R S V L V L G G S S V T I P | V E G G D L A L G T W Q | V Y L C E F F D G P R K | |
| UniRef90_F7U7Z2 | P A H I K V S A L L T Q T S I S I P | I S G G R L T L G T W Q | V Y L F E E H D Q P H | |
| UniRef90_E4QJ98 | P A H I V R S A L L T Q T S I S I P | L D G A V A L L G T W Q | V Y L F E E H R R R S H | |

| | |
|------------------------|-------------------------|
| UniRef90_X1IM32 | K R L V I K A I |
| UniRef90_A0A031LK27 | R S Y V K V M |
| UniRef90_UPI00036B423E | R T V A T I |
| UniRef90_B7K5E4 | R E V V Y I |
| UniRef90_B9XRB8 | R R V A A H L |
| UniRef90_G6ECM5 | R Q V A H L L |
| UniRef90_M4Z110 | R E V V V Q F V |
| UniRef90_U4KA06 | R R I V A T I |
| UniRef90_UPI00042065E4 | R T V V V T L |
| UniRef90_D8FUU8 | R E V V V H I |
| UniRef90_A0A022R8M5 | R K V V I T L |
| UniRef90_D1JBZ9 | R R I I L Q I |
| UniRef90_W6M7R8 | R T V V C T |
| UniRef90_W6ZKQ7 | R S L V V T |
| UniRef90_A4BU49 | R R I T T V L |
| UniRef90_D7CY98 | R T L V A T L |
| UniRef90_M5TWK8 | R R I V M T L |
| UniRef90_F8EWU0 | K R V L V K I I |
| UniRef90_D1YW12 | R N V I V I Q A M |
| UniRef90_M2YXD4 | R K V V A T I |
| UniRef90_A7HJ07 | K R V V K V I |
| UniRef90_B3Y5R3 | R S I I V T L |
| UniRef90_R5W7G7 | R R I V A T I L |
| UniRef90_UPI000472F7E7 | R N I L V T L M |
| UniRef90_J9GSH3 | R N L V A T L |
| UniRef90_S6A5K3 | R R I I V E V L |
| UniRef90_B0V189 | K R V L V K I I |
| UniRef90_UPI00037367C4 | R R L V A T L |
| UniRef90_E1ZL41 | R R V V V T I |
| UniRef90_Q0W1C9 | R E V I V Q V L |
| UniRef90_A6W1R2 | R R L V L T L |
| UniRef90_UPI00047E94EE | R S I I V V T V L |
| UniRef90_T1JPK3 | R K V I V T L |
| UniRef90_V3TKG7 | R T L V V T L |
| UniRef90_A3SMU7 | R E V V A H L |
| UniRef90_Q01Q59 | R S V L L H L I |
| UniRef90_F7ZH35 | R R V V V H F |
| UniRef90_UPI00040DB273 | R A V V V T V |
| UniRef90_N9VQE2 | R R I L V T I |
| UniRef90_A0A031I7C5 | R S L A L H L |
| UniRef90_G4SZ59 | R N I I A T |
| UniRef90_UPI000363AAC9 | R S V V V S V |
| UniRef90_A5UV84 | K R V L I K I I |
| UniRef90_R5QLAO | R N V V C H I I |
| UniRef90_UPI0004717690 | R E I V L H F L |
| UniRef90_F2LXJ1 | R E F Y I K I |
| UniRef90_E7QSP2 | R R I V V K |
| UniRef90_UPI00037BB1AA | R K L V A T V |
| UniRef90_M2LIW5 | R K V V A T I |
| UniRef90_C6T275 | R T V V V T L |
| UniRef90_V4RMC8 | R Q V V L H F L |
| UniRef90_UPI000287ED0A | R L I A V H L I |
| UniRef90_I3YG54 | R R L T T L |
| UniRef90_H6L6G7 | R K L I A T I M |
| UniRef90_F2KNN7 | R R V I V K L V |
| UniRef90_W2UP30 | R K L V I T |
| UniRef90_K2BP95 | R R L T T V I |
| UniRef90_Q1PV39 | K R L V I K I M |
| UniRef90_I4C6D6 | K R V L V K I I |
| UniRef90_H4F5L1 | R Q I V L H V |
| UniRef90_UPI000255876C | R S V V I T |
| UniRef90_UPI0003653792 | R D V V A H I I |
| UniRef90_I7ZGJ4 | R L V I A T I |
| UniRef90_D5EAC5 | R S V D M V |
| UniRef90_C5ALG8 | R E V V V H L I |
| UniRef90_K1WBV2 | R E L V I H I M |
| UniRef90_A3JWM6 | R N I A L N L |
| UniRef90_Q3ADM8 | R K V Y L T |
| UniRef90_D1AKJ8 | R E I K Q F I |
| UniRef90_L0D8S8 | R R I T S V V |
| UniRef90_A7C584 | R S I V I H I |
| UniRef90_UPI00034542AA | R K I A H V |
| UniRef90_A0B7Q7 | R R V G V K V M |
| UniRef90_F3ZTY6 | R S L I A T V I |
| UniRef90_W5YQU0 | R R V V A T L |
| UniRef90_UPI00045E9CCC | R E L V V T L |
| UniRef90_R6MEY2 | R T F Y V K I I |
| UniRef90_K5YLV7 | R Q L L A T L |
| UniRef90_UPI000468B08B | R D I V A T I |
| UniRef90_J9ZFG0 | K R V V L K V L |
| UniRef90_UPI000344CD38 | R T V F V Q I |
| UniRef90_UPI00036513A5 | R K I V V T L |
| UniRef90_L8MP94 | R K L M A T L |
| UniRef90_G3AFG4 | R R I V A T I |
| UniRef90_G0A4R2 | R S L V L T L |
| UniRef90_I7A107 | R N I I T Q F I |
| UniRef90_A5MZB0 | K R A L V K I I |
| UniRef90_X1IQZ8 | R Q I T V Q I M |
| UniRef90_UPI0004786D08 | R E I V L H L L |
| UniRef90_D1JEA1 | R E A C V N V I |
| UniRef90_F7U7Z2 | R E V V V L H I I |
| UniRef90_E4QJ98 | R K V L L H A I |

UniRef90_Q21ND8
 UniRef90_UPI0003770C44
 UniRef90_C7LNS8
 UniRef90_R1E5B2
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 UniRef90_UPI000395AD1C
 UniRef90_F8ACQ7
 UniRef90_Q2BGV9
 UniRef90_F7VSD7
 UniRef90_R9GMK4
 UniRef90_E5AC27
 UniRef90_R7JUQ2
 UniRef90_S8EI61
 UniRef90_Q96YV5
 UniRef90_Q0AX53
 UniRef90_A0A24KB27
 UniRef90_E3GXZ3
 UniRef90_Q0AMR7
 UniRef90_W0EQ43
 UniRef90_UPI0003737B52
 UniRef90_G4RGR4
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 UniRef90_UPI00030CB2F8
 UniRef90_X5JNH0
 UniRef90_B8HMN6
 UniRef90_Q0F3E9
 UniRef90_UPI000440DF15
 UniRef90_UPI0004796A02
 UniRef90_D3S2C4
 UniRef90_UPI000373DB23
 UniRef90_G8AK41
 UniRef90_T0YDZ0
 UniRef90_K2H192
 UniRef90_W0E1E9
 UniRef90_K9WBS1
 UniRef90_E4RZ26
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 UniRef90_Q07ZS4
 UniRef90_A9U068
 UniRef90_R5IM16
 UniRef90_UPI0003B43FD9
 UniRef90_W6WI94
 UniRef90_UPI00047C0D9B
 UniRef90_H2J4V7
 UniRef90_F4BY30
 UniRef90_A0A011P894
 UniRef90_A1B9E1
 UniRef90_UPI00035F1D87
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 UniRef90_K9XED8
 UniRef90_UPI0003B45967
 UniRef90_A9NDP7
 UniRef90_H8GHC6
 UniRef90_UPI00034CF8B2
 UniRef90_UPI000364ABEC
 UniRef90_UPI00039406FE
 UniRef90_16TVT8
 UniRef90_I0A0G2
 UniRef90_W7Z322
 UniRef90_U3A709
 UniRef90_Q1K0T8
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 UniRef90_A4AWS8
 UniRef90_B8N2Z8
 UniRef90_Q15ZA7
 UniRef90_K4MIU3
 UniRef90_W0TRU0
 UniRef90_A9HIP5
 UniRef90_UPI0004099663
 UniRef90_F2K203
 UniRef90_G4Q185
 UniRef90_I4YXP4
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 UniRef90_K2PNK9
 UniRef90_K9UIQ0
 UniRef90_D1C1D7
 UniRef90_H5SCD7
 UniRef90_G9EMB0
 UniRef90_H8Z0T1
 UniRef90_B1ZTH7
 UniRef90_D8TK94
 UniRef90_UPI00035E9E98
 UniRef90_N6VNF4
 UniRef90_UPI000378B309
 UniRef90_UPI000365302C
 UniRef90_M7NYL5
 UniRef90_A5UJV6

1 10 20 30 40

This sequence alignment shows a highly conserved protein region across numerous UniRef90 entries. The sequence starts with 'E I R | L S A K A R G' and ends with 'I E N L D T N K T F E'. The alignment is color-coded: blue for hydrophobic residues, red for polar/acidic, and yellow for polar/basic. Conserved residues are highlighted in yellow. The sequence is presented in two-line blocks, with gaps indicated by '|'.

T S A A L T L N E N A D P T V R D D F G R F F N R L V P E N E P Y Y V H P D D M
UniRef90_Q21ND8
UniRef90_UP10003770C44
T S C S L L I Q E N A D P S A R H D L E N W L N R L V P E N D P L Y T H I Y D M
UniRef90_C7LNS8
I T A S V F I N D D E S G L H D Y E K W L E K I A P H E P R H N V G E D N A
UniRef90_R1E5B2
N T A C I I Q E N A D P T E T I F K D I E E F F D R I L P L N T K Y H H N Y E N A
UniRef90_L0HNL6
S T G A V T T I E Y E P G L K K D L P A A L E R L I P Y E H E K T W H D G N G
UniRef90_UP1000395AD1C
T S A S L T L N E N A D P T V R Q D M E S H F N H S V P E C A P Y Y R H T Y D M
UniRef90_F8ACQ7
S T A G V T T I E Y E P G V L S D L C R A L E K I A P Q D I P Y E H D K A W G
UniRef90_Q2BGV9
T S A S L T L I Q E N A D P S A K D D L E N W L N R L V P E N D P L Y T H I F D M
UniRef90_F7VSD7
T S C A L S L I N E N A D P T V R K D F E M Y F S K V V P E Y R H S D E G P D D M
UniRef90_R9GMK4
T S A S L T I N E N A D P T V R Q D M E S H F N H S V P E C A P Y Y R H T Y D M
UniRef90_E5AC27
T S C A L S L I N E N Y D Q D V R A D M T D A L D R I L P L N T K Y H H N Y E N A
UniRef90_R7JQ2
T T A G L T I T S F W D P A G F E D Q K D E I C R L I P T R I L D F K H Q H D T P
UniRef90_S8EI61
T S A G L T I N E N Y D P D V R R D M D M A L D K I V P N W A H T D E G P D D S
UniRef90_Q96YV5
T T C A I I I N E A E S G L M K D F L N W A K K L V P P D G E F E H N D N N G
UniRef90_Q0AX53
I T A G V Y V N D N E S G I I M D M Q M L E S L A P F G P D Y F H H R D N G
UniRef90_A0A24KB27
T S C S L L I Q E N A D P D V Q V D L K G F F S R L V P E H M P W I T H P D D M
UniRef90_E3GXZ3
S T A G L L I N E N E K G L I N D F K K L L E R I V P V I D G N Y E H N R N N A
UniRef90_Q0AMR7
T S C S L V I Q E N A D P D V Q R D L Q A F F F A R L V P W L A H T A E G P D D M
UniRef90_W0EQ43
T S A A L T I N E N A D P D V R N D F A S F F D R I V P D G A P Y F R H V Y E G
UniRef90_UP10003737B52
T S A S L V I Q E N A D P D V R G D L Q R F F F A R L V P T G M E W I V H P D D M
UniRef90_G4RGR4
T S C S L L V I Q E N A D P D V R G D L Q R F F F A R L V P T G M E W I V H P D D M
UniRef90_UP10004560191
T S A A L T T Q E N F D S D V R K D L D M A L D H I V P E S L P W R H T D E G P
UniRef90_C6XZB1
T S A S L T I N E N A D P T V R G D F E T F F N K A V P D Y K H D Y E G V D D M
UniRef90_D1PUT8
T S C G I T I N E N C C D P D V R H D L K T M N R L A P D G D P A Y R R H R D E G
UniRef90_UP100030CB2F8
T S A S L V I Q E N A S P D A R E D L E A F F R R I L A P E A R G L Y R H P D D M
UniRef90_X5JNH0
T S A S L I I Q E N A D P D V L L D L A E F M T R L V P E S T N Y I H G P D D M
UniRef90_B8HMN6
T S A S L L I Q E N A D P D V L Q D L E T F F L A R L V P E G G Y Y R H G P D D M
UniRef90_Q0F3E9
T S A S L T I N E N A D P S V R S D M E N H F N Q S A P E N Q K F Y T H T Y E G
UniRef90_UP1000440DF15
T S A A L T T I N E N Y D R D V R R D M D M A L D N V V P E S L N W K H T D E G P
UniRef90_UP10004796A02
T S A S L T L I N E N A D P T V R Q D F E S A F N R L V P E D G P D Y R H S D D M
UniRef90_D3S2C4
S T G A I T T I E Y E P G L K K D L P A I M E K I A P Y S Y P Y E H H K T W G
UniRef90_UP1000373DB23
A T A A I I A N E N E R G L I N D I R K I K E E F P Q E Y N W E H D R D N A
UniRef90_G8AK41
T S A S L V I I Q E N A D P S V R G D L L E R F F K R L V P E D P T L Y D H P D D M
UniRef90_T0YDZ0
I T A A V F V N I N D A E P G L L R D I H A W A D R L A P P G D Y H H H G E T N G
UniRef90_K2H192
T S A S L A I I N E N A D P D V R G D L E R H F N V N M V P E N A P H Y E H P D D M
UniRef90_W0E1E9
T S A S L L C I N E N A D P S V R H D E H F L A R L A P D G D P V Y T H P D D M
UniRef90_K9WBS1
S T A S I G T I E F E P G L Q R D L P E I L N K L I P Y G H E Q M W H D G N G
UniRef90_E4RZ26
T S A S I T I N E N F D P T V R A D F E A H F N A S V P E N A P Y Y Q H N Y D M
UniRef90_W8NVN6
T T T G L F I I N E Y E P G L I E D I K A K M A E L V P M G A G Y A H D R I D R
UniRef90_D0MJW4
T S A S I T L I N E N A S P E V R A D F E R Y F S R A V P D G A P Y F A H P D D M
UniRef90_UP100045EA377
T S A A L T I N E N A D P T V R K D F Q T F V N E L I P E S Y P R F I H T Y D M
UniRef90_Q07ZS4
T S A S L A I I N E N A D P T V R G D L L E R H F N V L A P E G A P Y F Q H T Y D M
UniRef90_A9U068
T S A S L T I I N E N Y D G D V R D D V I E T W L N L T V P P P W K H T M E G D D D
UniRef90_R5IM16
T S A G L T I I N E N A D P S V R T D F E Q I M N H I V P E G M T Y Y T H N D D M
UniRef90_UP10003B43FD9
T S A G L T I I N E N D D P T V R E D F A N S F D R L V P F Y K H T I E G D D D
UniRef90_W6WI94
T S C S L I I Q E N A D P D V R R D L K T F F S R L V P W V T H T T E G P D D M
UniRef90_UP100047C0D9B
T S A S L S I I N E N A D P D V R L L D F E S F F N R L V P E G E S D Y R H N D E G
UniRef90_H2J4V7
L T A S V Y V I N D Y E S G L I E D I K E W L E K L A P Q N Y P Y K H H E V N G
UniRef90_F4BY30
T T T A L T V I N E A D P P L M K D I Q N L L Q R L A P E N G G H D H D G N A
UniRef90_A0A011P894
A T C A I M I Q E N N W D E S V Q M D V V S L L Q R L I P G G V W L H D G V W N G
UniRef90_A1B9E1
T S C S L L V I Q E N A D P D V Q R D L L A W L D R I A P P A D H P S M G Y D D M
UniRef90_UP100035F1D87
A T A A V I T N E F E P Y L I E D V L K K I S E D F P K N F D W K H N D D N A
UniRef90_UP100037EDEEE
T S A S L L I I Q E N A D P D V K V D L E R F F K R L I C P D G D S I Y D H P D D M
UniRef90_K9XED8
T S A S L V I I Q E N A D P D V L K D L L E N F L A K L L V P E D A Y Y I H G P D D M
UniRef90_UP10003B45967
T S A S I T L S E E G H D P E V G G D L M R S L K R L L P P D Q G Y L H E G N P
UniRef90_A9NDP7
T S A S L L V C E N A D R T V R K D L E R F M E R F I Q D G D K L F Q H P D D M
UniRef90_H8GHC6
T S A S L A L I N E N A D P T V R Q D L E S H F N E M V P E R A P Y Y L H D Y D M
UniRef90_UP100034CF8B2
T S A S L T I I N E N A D P S V R V D F R S H F D V L V P E N E P H Y T H T Q D M
UniRef90_UP1000364ABEC
S T A G I T T I E Y E E G L V K D F S E L M E K I I P S T V T Y H H D A R W G
UniRef90_UP100039406FE
T S A S L S I I N E N A D P T V R L L D M E A H F N R S V P E K A P Y Y Q H T Y D M
UniRef90_16TVT8
A T G A V I A I E H E E G L L E D F K R W L K E I V P K E R P Y L H N R F D D
UniRef90_I0A0G2
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UniRef90_W7Z322
T T A G I T V N E N A D P D V V T D F L R R L D E V Y P W N H E N D H R E G N T
UniRef90_U3A709
T S A S L T L I N E N A D P T V R M D M E V H F N Q F V P E R A S Y Y Q H T Y D M
UniRef90_Q1K0T8
I T A S V F I I N D N E S G L H A D F T R W L E Q L A P Y D A H G Y A H H Q N G
UniRef90_U12ZCV3
T S A S L S V I N E N A D P A V R R D F E T I F N K L V R E N D P D Y T H T D D M
UniRef90_UP10003628A09
T S A A L T L I N E N A D P S V R D D F E T I F N K L V R E N D P D Y T H T D D M
UniRef90_A4AWS8
T S A S L T I I N E N A D P T V R V D F E N H M N K M V P E N S P Y Y I H T Y D M
UniRef90_B8N2Z8
T S C A L S L I N E N W D D D V Q A D M S D A L E R I V P Y Y R H S A E G E D D M
UniRef90_Q15ZA7
T S A S L T I I N E N A D P T V R S D L L E S H I N Q A I V P E N A A Y Y L H N Y D M
UniRef90_K4MIU3
T T T A I I V N E N E T G L V A D I L S L L A R L V P E K S G Y L H D R N N A
UniRef90_W0TRU0
T S A S L L I L C E N A D P Q V R R D L E A F L T E T V P D G S P L F H H P D D M
UniRef90_A9HIP5
T S A S L T V Q E N A D P T V L E D I K R Y F E A L V P E A P G R Y I H P D D M
UniRef90_UP10004099663
T S A S L L I I Q E N A D P D V Q A D L R A F F D R L V P H A D H R S E G P D D M
UniRef90_F2K203
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UniRef90_G4QI85
S S A S L T I I Q E N A D P T V R E D F E A H T N V M V P E N A P Y Y K H T Y D M
UniRef90_I4YXP4
T S A S L L I I Q E N A D P D V R D L L A F D R L A P R N A G Y V H G P D D M
UniRef90_UP100035FF0D1
T S A S L T I I T E N A D P A V R H D L E T L L Q R L V P A D A P D T Y R H D Y E G
UniRef90_K2PNK9
T S A S L T I I Q E N A D P S V R V D F E S H L N V M I P E G A P Y Y I H T Y D M
UniRef90_K9UIQ0
T S A S L V I Q E N A D P D V L I D A N F L A K L V P E D G K Y I H G A D D M
UniRef90_D1C1D7
T T A A V A I S E F E P G L I E D F P A M L E R L I P A D Q G Y R H R D D N A
UniRef90_H5SCD7
I T S S V F I I N D D E R G L H E D F L R W L E K L A P Y N P D P Y H H N R N A
UniRef90_G9EMB0
T S A S L M L C E N Y D A Q V R Q D L L E N F L T R L I P D G D P L F K H V D D M
UniRef90_H8Z0T1
T S A S L L I I Q E N A D P Q V G R D L E A F L A R L V P D G D P L F G H P D D M
UniRef90_B1ZTH7
T S C S L V L M E N A D P S A R R D L E D W L N R L V P E N D P H F E H P D D M
UniRef90_D8TK94
T S A S L T I I Q E N A D P D V R K D M E T Y L N L S V P P W I H T D E G P D D M
UniRef90_UP100035E9E98
T S A S L T I I Q E N A D P D V L H D L T I F F Q Q L V P E D G A N Y L H P D D M
UniRef90_N6VN4
T T A G I T I N E G A D P S V Q H D I I E T L K K I I P E D G D Y H H T E G N S
UniRef90_UP1000378B309
T S A S L T I I Q E N A D P T V R G D F E R F F N K T V P E N A P Y Y Q H D Y D M
UniRef90_UP1000365302C
S T A A I G T I E F E P G L Q Q D L P Q L L N K L I P P S R E Y K H H D G N G
UniRef90_M7NYL5
T S A S L M L C E N A D P D V R L L D L E T F M Q H I P D G D P M F R H Q D E G
UniRef90_A5UVJ6
S T S A I C V N E N E E G L L E D L E F V L S N I I S N K F S Y K H D N N N A

| | 90 | 100 | 110 | 120 |
|------------------------|---|-----|-----|-----|
| UniRef90_Q21ND8 | P A H L K S S I □ G S T L S P T H G R F N L G □ W Q G I Y L C E H R N G G E | | | |
| UniRef90_UP10003770C44 | P A H L K A A L T A T I L S I P V D G R L A L G T W Q G T Y L W E H R G S H T | | | |
| UniRef90_C7LNS8 | D A H M K R Q I M G R E V V V A V T T G G R L D F G T W E R I F Y G E F D G R R K | | | |
| UniRef90_R1E5B2 | T A H I K T N L L S Q S L C P K D G K L L L G T W Q R I I F L E L F E S R E | | | |
| UniRef90_L0HLN6 | H S H I R A S F L K P D L C V P V D G T L V L G T W Q Q I V F V E L D K E R K | | | |
| UniRef90_UP1000395AD1C | P A H I K A S L L G A S S V T V P T Q G H L N L G T W Q G I Y L G E H D Q G G S | | | |
| UniRef90_F8ACQ7 | D S H V R A A I M K P S L T T V P V A E A R L L L G T W Q Q I V L L D F D N P R N | | | |
| UniRef90_Q2BGV9 | P A H I K A S L T A T T L S I P V L N G R L C L G T W Q G V Y C W E H R H A R S | | | |
| UniRef90_F7VSD7 | P A H V K S S L I G T S V T T I P I K N G K L A T G T W Q G I W Y L E F R H K H R | | | |
| UniRef90_R9GGMK4 | P S H L K A A M L G C S V M I P I S N G R L A F G L W Q G I Y L C E H R N G G E | | | |
| UniRef90_E5AC27 | P A H V K S A L I G A S V T I P T N G R L N T G T W Q G I W Y L E F D M K H T | | | |
| UniRef90_R7JUQ2 | T G H V K C S L L G V S I P L I D G G K L V L G G S Q G I F F L E F D G P R K | | | |
| UniRef90_S8EI61 | V S H T K T S L L V G T S I C V P T D G R L N L G T W Q G I Y L T E F R H P H Q | | | |
| UniRef90_Q96YV5 | H A H V I S A I I I G N S R V V P I E G K L D D L G T W Q R I I L L E F D G P R T | | | |
| UniRef90_Q0AX53 | D A H L K S L L H R Q V I V P I T N G D R L D L G P W Q D I F Y A E F D G Q R K | | | |
| UniRef90_A0A024KB27 | P A H L K A A L T Q T S L G I V D A G S L V L G T W Q G V Y L F E H R A P H R | | | |
| UniRef90_E3GXZ3 | D S H Q R S V L L D S S S K T L Q V N G K L D L G T W Q R I F V E L D G P R T | | | |
| UniRef90_Q0AMR7 | P A H I K A A L T Q T S I I G I P V A D G R L M L G T W Q G I Y L F E H R R P H R | | | |
| UniRef90_W0EQ43 | D A H I K A S L L G A S S L T T I P I K G G R P N L G T W Q G I Y L C E F R N G G S | | | |
| UniRef90_UP10003737B52 | P A H V R S T L T Q T Q L S I S I P V M D G R P A L G T W Q G L Y V F E E H R H P Q R | | | |
| UniRef90_G4RGR4 | P A H L K S A L T Q T S I S I P V D G R P V L G T W Q G L Y L F E E H D A P H R | | | |
| UniRef90_UP10004560191 | D S H T K T S L I G P S I S I P I T D G R L N T G T W Q G I Y L L C E F R R A H K | | | |
| UniRef90_C6XZB1 | P A H L K S S I L L G S S S V T M P I R N G K L A L G M W Q G I Y L L C E H D H G G E | | | |
| UniRef90_D1PUT8 | P A H A K S S L V G A S S L N I P I I N G H L A L G I W Q G I Y Y L C E F R H G G P | | | |
| UniRef90_UP100030CB2F8 | P A H L R A A L T Q T Q S L S V P V A D G R P V L G T W Q G I Y Y L F E E H R A P H R | | | |
| UniRef90_X5JNH0 | P A H I R T A I T H T S E H I P I N N G H L V L G T W Q G I Y I L W E H R R N N S S | | | |
| UniRef90_B8HMN6 | P A H I R T A I T H T T E T T I P I N H N R L L L G T W Q G I Y I L W E H R R Q H G S S | | | |
| UniRef90_Q0F3E9 | P A H L K T T T I G N S S L T I P I K N Q G L G L G T W Q G I Y I L G E H R N G G S S | | | |
| UniRef90_UP1000440DF15 | D S H T K T S L I G N T S S I S V P T D G R L N L G T W Q G I Y Y L T E F R H P H S S | | | |
| UniRef90_UP10004796A02 | P A H L K S S L L G S S S V M L P I S D G G L N M G I W Q G I Y Y L C E H R N G G S S | | | |
| UniRef90_D3S2C4 | D S H V K S S I I I G P S V V I P F K N K E L M L G T W Q G V V L I I N F D R K R R | | | |
| UniRef90_UP1000373DB23 | Y A H L A S S F I G G S S K V F P I I D G K R L I R G T W Q N I F L V E L D G P R I | | | |
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 I T V P T R G K G G L Y G F T P Q V V R D W V Q A S G I R Q G L L T L Y I R H
 V K F S F S P R A R G C Y L V T D E V I R A L P Q R S Y K V G M V N L F L E H
 UniRef90_C0GDT8
 UniRef90_UPI000405BE1D
 UniRef90_A1BEA0
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 UniRef90_UPI0002E2F800
 UniRef90_UPI00045E70E5
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 UniRef90_L0DCR9
 UniRef90_K4MGH4
 UniRef90_U4KWF3
 UniRef90_A8LR71
 UniRef90_K9VRQ8
 UniRef90_B7KDH1
 UniRef90_E6W3V8
 UniRef90_G2LKT4
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 UniRef90_UPI00035C20D0
 UniRef90_M1WBM0
 UniRef90_UPI00035E98D3
 UniRef90_UPI00041DD5F0
 UniRef90_H1G5E0
 UniRef90_D5WHF7
 UniRef90_D2RFQ3
 UniRef90_UPI000455FE84
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 UniRef90_UPI000226028E
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 UniRef90_A2F8P7
 UniRef90_UPI0003FE5028
 UniRef90_UPI000367FD7F
 UniRef90_G8PUD5
 UniRef90_U1L7U0
 UniRef90_G7WPX7
 UniRef90_D3S9F6
 UniRef90_E3KTF4
 UniRef90_UPI000289BD25
 UniRef90_A0A024TUF5
 UniRef90_B0C5S0
 UniRef90_S6BQG5
 UniRef90_UPI000441598B
 UniRef90_D8U5F4
 UniRef90_B8CML1
 UniRef90_UPI00034AA453
 UniRef90_C1EOX2
 UniRef90_W0BCQ6
 UniRef90_UPI00047C7728
 UniRef90_J1L4J1
 UniRef90_Q1IPX2
 UniRef90_V6MLW5

| | | 50 | 60 | 70 | 80 |
|------------------------|-------------------|---|----|----|----|
| UniRef90_U9STY0 | T S A S L | L C L N E N A D P D V R V D M E M A L N K I V P E N L P Y V H G P D D M | | | |
| UniRef90_F4CF97 | T S A S L T I | N E N A D P T V R G D F E T F F N K T V P D Y M H N Y E G P D D M | | | |
| UniRef90_A0L921 | I T A S V F I | N D D E P G L H H D Y E R W L E A L A P H A P T D H Y H H N R M | | | |
| UniRef90_G8NVE1 | T S A S L L I | Q E N A D P S V R A D M E A H F T H F V P E N A P Y Y E H P D D M | | | |
| UniRef90_UPI0003B645CE | T S A S L T I | N E N A D P D V R K R D L K A Y F D R I A P E D G A Y E H G P D D M | | | |
| UniRef90_R6QPX8 | I T A S V F I | N D D E S G L H H D Y E K W L E K A P E K P Y S Q Y R H N G F | | | |
| UniRef90_UPI00046531D3 | T S C S L L I | Q E N A D P D V R T D F E M S L N R L V P E N W P Y V H G A D D M | | | |
| UniRef90_D5SXG6 | T S A S L T I | N E N A D R D V R D F E R Y F N H A V P D G W P E F K H D D D M | | | |
| UniRef90_H8GSG7 | T S A A L T V | S E N A S P D V R D F E R Y F N H A V P D G W P E F K H D D D M | | | |
| UniRef90_F1ZBK0 | T S A S L C I | Q E N A A R E V R G D I L R W L D R M A P E N G T Y A H G P D D M | | | |
| UniRef90_A7SX60 | T S A S L S L | N E S W D P S V R K D M E M M L N R L A P E D A P Y I H G P D D M | | | |
| UniRef90_S2KFF9 | T S A S L M I | N E N Y D S D V Q K D M E M G L N K I V P E T F P Y I H G P D D M | | | |
| UniRef90_D7CLY5 | I T A G V F V | N E E P G I K M D L L M E W A E G L A P F R S D Y R H H R T N G | | | |
| UniRef90_UPI0002C3CFA2 | T S A S L S I | N E N Y D P T V R I D I E N S F N K M V P D G A Q R Y E H D D D A | | | |
| UniRef90_A7HE05 | I T A A V F V | N D D E P G L H A D I E E W V Q R L A P P G P D Y R H H R D N G | | | |
| UniRef90_A4C8Q3 | T S A S L T I | N E N A D P T V R Q D L I E S H F N Q F V P E G A T Y Y R H D Y D M | | | |
| UniRef90_X1FP86 | S T G A I S T | T E Y E P G I V K H D I K D L L E K L I P Y D K N Y A H K T W H | | | |
| UniRef90_A3T1N4 | T S A S L L I | Q E N A D P D V Q R D L L A Y F S R L V P P A D D P S M G P D D M | | | |
| UniRef90_N1JL59 | T S C A L S L | N E N W D E D V R T D M T N A L D R L A P E Y R H S D E G A D D M | | | |
| UniRef90_K8GLM1 | T S A S L V I | Q E N A D P D V R I D I E N S F N K M V P D G A Q R Y E H D D D A | | | |
| UniRef90_UPI00035E01E8 | T S C S L M V | Q E N A D P D V L T D L N Q F L A N L V P E G N H Y I H G P D D M | | | |
| UniRef90_UPI00036C359D | I T A G V Y V | N D A E D G L I A D I D E W L E K L A P F K R D Y R H H E T N G | | | |
| UniRef90_UPI000413CD02 | T S A S L V I | N E N A D P S V R R D L I E T H L R T L A P D G L A H Y T H T D D M | | | |
| UniRef90_S2E1H6 | T S A A L S I | N E N A D P T V R D F E T F V D E L I P E T Y P R F I H T Y D M | | | |
| UniRef90_UPI00035E7906 | T S A G L T L | N E N A D P D V R S D F S G I F D R L V P E G H P S Y V H P D D M | | | |
| UniRef90_A4EU65 | T S C S L L I | Q E N A D P D V Q G D L L A F F N R L V P P A D H T Y E G P D D M | | | |
| UniRef90_UPI000348D5E7 | T T T A L A I | N E E Y E S R L L D D I K V Y L N K L A P P G D R Y L H N P M N A | | | |
| UniRef90_F2IXM3 | T S A S L A V | Q E N A D P D V Q A D L V D A L G R L A P E T A P Y R H G A D D M | | | |
| UniRef90_B8INK8 | T S A S L T I | Q E N A D P D V R T D L L T A L D R L A P R Q G A Y L H G P D D M | | | |
| UniRef90_D5GPM6 | T S C A L S L | N E N W D S D V R A D M S D A L D R I V P I Y R H D A E G T D D M | | | |
| UniRef90_B4PBK8 | T S A S L A L | N E S W D P D V R D D M E M M L N K I V P P Y R H S C E G P D D M | | | |
| UniRef90_X0QVX1 | T S A S L A I | N E N A D S D V R L D T E D W L N K I A P E D Q P E Y R H T D D L | | | |
| UniRef90_UPI00026C8119 | T S A S L L L C | N E N Y D P Q V R I D L I E S F L V R L V P D G D P L F K H I M D M | | | |
| UniRef90_B5IL39 | T S C S L T V | N E N A D P R V L Q D L T T F M R A L V P Q H G H N D E G P D D M | | | |
| UniRef90_B1L4N4 | A T A A L V A N | N E N E R G L I N D L I I R K I R E E F V R E G W E H D R I D D N A | | | |
| UniRef90_UPI0003730E75 | T S C A L T L | Q E N A D P D V K T D L L T A L E R L A P E H A G W V H G P D D M | | | |
| UniRef90_UPI00046AFC44 | T S C A L S L | N E N A D P A V R S D L E T A F D R L I P D N T K G F Q H R D G M | | | |
| UniRef90_G1X252 | T S C A L S L | N E N W D S D V R L D M T D A M N R I V G I Y R H D A E G S D D M | | | |
| UniRef90_UPI00035F1431 | T S A S L L I | Q E N C D R T V Q T D L E R F L S R L V P E G D L I Y E H T D D M | | | |
| UniRef90_I2JVR6 | T S A G L S L | N E N W D P S V R S D M T T A L N N V V P D F D H V D E G A D D M | | | |
| UniRef90_UPI00047B2787 | T S A A L V N | N E N V D P T V R E D F E T E M N R L V P E N Q S G Y K H T M D M | | | |
| UniRef90_C0GDT8 | I T A G V F I | N D L E S G I M E D I H E M L E R L A P F G P D Y R H H R D N G | | | |
| UniRef90_UPI000405BE1D | T S A S L T I | N E N A D P T V R T D F E S H I N V M V P E N A T Y Y V H T F D M | | | |
| UniRef90_A1BEA0 | T T A F I N I | N E K E N R L L E D M T T F L K R L V P R D G D Y L H G R D N A | | | |
| UniRef90_UPI00038244E7 | T T A H V N L | N E R E E M L Q R D M V K Y L S D L V P Q R G D Y L H G R D N A | | | |
| UniRef90_UPI0002E2F800 | T S A S L T L | N E N A D P D V R H D L D A F L R D L V P G D L P Y F R H P D D M | | | |
| UniRef90_UPI00045E70E5 | T S A S L T I | Q E N A D P D V Q T D L L T A L R T L A P R R N F R W V H G P D D M | | | |
| UniRef90_A0A017H901 | T S C S L L I | Q E N A D P E V Q T D L A A F F H R L V P P P S D H T Y E G P D D M | | | |
| UniRef90_L0DCR9 | I T A S V F V | N D D E P G L H E D Y K A W L E G L A P F D P S P Q R Y K H N R | | | |
| UniRef90_K4MGH4 | S T A A I T T L | E Y E P G L V S D L R E V L D R L V P A D M H Y Q H H E K W H | | | |
| UniRef90_U4KWF3 | T S C A L S L | N E N W D S D V R L D M S D A M D R I V G I Y R H D A E G S D D M | | | |
| UniRef90_A8LR71 | T S A S L L I | Q E N A D P E V R T D L T E F F F Q R L V P Y L T H T Y E G P D D M | | | |
| UniRef90_K9VRQ8 | T T T A L A I | N E D E E R L L D I K V Y L Q K L A P L G D K Y L H N D L H A | | | |
| UniRef90_B7KDH1 | T T T A L T I | N E E Y E E R L L E D I K A Y L R K L V P E M P D T Y L H N D L H A | | | |
| UniRef90_E6W3V8 | I T A S V F F I | N D D E G G L H Q D F E Q W L E Q L A P E K P Y S R Y R H N N A | | | |
| UniRef90_G2LKT4 | I T S S V F F I | N D D E A G L H H D F G V W L E Q L A P F N P D P N H Y H H N R | | | |
| UniRef90_UPI000416E5DA | T S A S L C I | N E N A D P T V R Q D L E A H V N V L A P E N A P Y Y R H T Y D M | | | |
| UniRef90_UPI0003B7802D | T S A S L T I | Q E N A D P D V I R D L N A F F E R L V P D S D H P Q M G P D D M | | | |
| UniRef90_UPI000476FC7D | I T A S V F V | N D D E P G L H R D F E R W L E E L A P H Y Q H N R T G E D N G | | | |
| UniRef90_UPI00035C20D0 | T S A S L A I | N E N A D A D V R R D L E S Y F S R A V A E N E P Y Y R H P D D M | | | |
| UniRef90_M1WBM0 | T S C A L S M | N E N W D E D V R A D M S D A L D R I V P E Y R H D A E G P D D M | | | |
| UniRef90_UPI00035E98D3 | T S C S L L I | Q E N A D P N V L V D L Q A F F R R L V P W L R H N T E G P D D M | | | |
| UniRef90_UPI00041DD5F0 | T S A S L T I | Q E N A D P T V R M D F E S H I N K M I V P E N M P Y Y K H D Y D M | | | |
| UniRef90_H1G5E0 | T T A C C V N L | N E Q E P M L Q R D M L T H L K R L V P R D G D Y L H G R D N A | | | |
| UniRef90_D5WHF7 | T S A S L L I | Q E N A D P S V R D L Q R Y F E S L A P E D D T R Y E H P D D M | | | |
| UniRef90_D2RFQ3 | S T G A V V T T I | E Y E P G L K K D F P R V M E R I A P Y D D Y E H E H K T W G | | | |
| UniRef90_UPI000455FE84 | T S A A L T V | N E N F D P D V R K D M D M A L D S I V P E S L D W V H T D E G P | | | |
| UniRef90_K8AGA6 | T S A S L T L | N E N C S P A V R H D M E R H F L Q A V P E S A T Y E H G P D D M | | | |
| UniRef90_UPI000226028E | T S C S L T V | Q E N A D S T V R A D I A T F F E T L V P E E N G R Y R H S D D M | | | |
| UniRef90_E4NU94 | T T A G I I V | N E H E R R L M S D L E R L L E H L A P R G D D Y A H D D D N A | | | |
| UniRef90_A2F8P7 | T S A S I T I | N E N C C A D V R T D L N A W M D K T I P E N F P W D H T D D D M | | | |
| UniRef90_UPI0003FE5028 | T S A G L T L | N E N A S P D V R D F E T W A N A Y V P E D F A W T H T D D D M | | | |
| UniRef90_UPI000367FD7F | T S A S L L I | Q E N A A R E V R A D L Q D F F A T I A P E D P T R Y R H P D D M | | | |
| UniRef90_G8PUD5 | T S A S V T I | Q E N A D P T V L Q D L Q K A L A N V A P E N G G W Y E G P D D M | | | |
| UniRef90_U1L7U0 | T S A S L T I | N E N A D P T V R I D M E T H F N K F V P Q G Q S Y Y Q H D Y D M | | | |
| UniRef90_G7WPX7 | A T G A V V T T I | E Y E P G L V E D M K G A L E R I A P E G G E Y A H N Q R W G | | | |
| UniRef90_D3S9F6 | T S A S L L V | T E N A D P D V R H D L E T L I A R M A P D G D P A Y R H D M D M | | | |
| UniRef90_E3KTF4 | T S A S L L S I | N E N Y D S D V R K D M D M A L D H I V P E S L K W R H T D E G P | | | |
| UniRef90_UPI000289BD25 | T T T G I M V | N E N G L I E C V E T D I M E T L D R L A P K E L P Y A H A R F N S | | | |
| UniRef90_A0A024TUF5 | T S A S L S L | N E N C D P D V R T D M E G A I N R I V P E S W H T M E G D D D M | | | |
| UniRef90_B0C5S0 | T S A S L V I | Q E N A D P D V L Q D L E T F L A R I V P E G P H Y R H G P D D M | | | |
| UniRef90_S6BQG5 | T S A S L L C | N E N A D P D V R H D L E T W F Q R S V P D G D P R Y R H P D D M | | | |
| UniRef90_UPI000441598B | T S A A L T I | N E N A L L D V V A D M D M A L D N I V P E S L N W R H T D E G P | | | |
| UniRef90_D8U5F4 | T S A S L T I | N E N A S P E V P L D L N D A L N R L A P E G N H Y R H G P D D M | | | |
| UniRef90_B8CML1 | T S A S L S L | N E N A D P S V R V D F E S F I N R L V P E R A A Y Y T H T Y D M | | | |
| UniRef90_UPI00034AA453 | T S A S L S I | N E N A D P T V R Q D M E A H F N W A A P E R Q P F Y R H T Y D M | | | |
| UniRef90_C1EOX2 | T T T A V T I | N E A E G R L M D D I R Q Y M L K L A P P G D P Y L H N P R N A | | | |
| UniRef90_W0BCQ6 | T S A S L A I | S E N T C H D V R L D L E M H F N Q T V P E D N S R Y R H T D D M | | | |
| UniRef90_UPI00047C7728 | I T A A V Y V | N D H E S S G L I A D I E E W L E R L A P A R P D Y R H H Q D N A | | | |
| UniRef90_J1L4J1 | S T A A L T I | E Y E D G V L D D L R E A L E R I A P K D A V Y A H D R R W G | | | |
| UniRef90_Q1IPX2 | I T A G I V Y V | N D D E E G L I H D I D E W L E K L A P F K E T Y Q H H R D N G | | | |
| UniRef90_V6MLW5 | T S A S L T I | N E N A D P T V R S D F E N F F N Q N V K E D E D Y Y L H T Y D M | | | |

| | | 90 | 100 | 110 | 120 |
|------------------------|--|---|-----|-----|-----|
| UniRef90_U9STY0 | P G H V K C A L V G A S [L N I P I T K G K L N L G T W Q G V W L C E H R H S S G | | | | |
| UniRef90_F4CF97 | P A H L K A S I I L G S S I L I P I R Q G E L A L G T W Q G Y L C E H D H A T P | | | | |
| UniRef90_A0L921 | D A H D K R Q L M G R E V V V A I T Q G N L D F G P W E Q V F Y G E F D G Q R K | | | | |
| UniRef90_G8NVE1 | P A H I K A S L L G P S V T I P I G E G R L R L G T W Q G Y L C E H R N R G G | | | | |
| UniRef90_UPI0003B645CE | P A H L K R T V M G R E A V V A I T E G R L D F G T W E Q F Y Y E F D G R R D | | | | |
| UniRef90_R6QPX8 | P A H I K T A L T Q V Q L S I P I V K G A L V L G T W Q G Y L C E H R H P H R | | | | |
| UniRef90_UPI00046531D3 | P A H I K A S L L M G S S V T I P V V R G R L A L G T W Q G Y L C E H D H G G S | | | | |
| UniRef90_D5SXG6 | P A H I K A S V L G S S L T L P V G A G R L V L G T W Q G Y L C E H D R G G A | | | | |
| UniRef90_H8GSG7 | P A H L K A I L T T G V T L L S I P V M N G K P A L G T W Q G Y L V E H R A P H | | | | |
| UniRef90_F1ZBK0 | P A H V K T S L M G T S L T V P I T N G K L N I G T W Q G W L C E H D H A S A | | | | |
| UniRef90_A7SX60 | P A H I K S G I V G V S L N I P V T D G K L D L G P W Q E F Y A E F D G Q R R | | | | |
| UniRef90_S2KFF9 | P G H I K S G I V G V S L N I P V T D G K L D L G P W Q E F Y A E F D G Q R R | | | | |
| UniRef90_D7CLY5 | D A H I K S I I L F H Q Q V I V P I T D G K L A L G P W Q E F Y A E F D G Q R R | | | | |
| UniRef90_UPI0002C3CFA2 | P A H I K S I I M L G C S L N I P I Q N G D L C L G T W Q G Y L N E H D N G G S | | | | |
| UniRef90_A7HE05 | D A H I K N I L V G H Q V I V P V T K G K L D L G P W Q Q F Y Y E F D G R R R | | | | |
| UniRef90_A4C8Q3 | P A H I K A S I I I L G A S L S A P I K K G K L Q L G T W Q G T L E H D C A T S | | | | |
| UniRef90_X1FP86 | D H H L R S F L L K T S Q T F P F K N K E L I L G S W Q S V I F V E N D K S R H | | | | |
| UniRef90_A3T1N4 | P A H I K A A V L P V T L S I P V V A G R M V L G T W Q G Y L F E H D A P H S | | | | |
| UniRef90_N1JL59 | P A H I K S A L L I G A S I T V P I R D G K L A L G T W Q G W Y L E F R A A R Q | | | | |
| UniRef90_K8GLM1 | P A H I R T A L T S T S E Q I P I T M K G Q L L S G L I W Q G Y L W E H R Q R G S | | | | |
| UniRef90_UPI00035E01E8 | S A H I R T A L T Q V S L N I P I T M K G Q L L S G L I W Q G Y L Y E H R H A L N | | | | |
| UniRef90_UPI00036C359D | D A H I K S L L V H H E V I V P I T K G K L D L G P W Q Q F Y A E F D G Q R R | | | | |
| UniRef90_UPI000413CD02 | P A H I K S S O L M G S S V T V P P V G D G R L L L G T W Q G Y L G E H D R G G S | | | | |
| UniRef90_S2E1H6 | P A H I K S S L F G A S S L Q I P P V S E G K R L A L G T W Q G Y L C E F D H G G P | | | | |
| UniRef90_UPI00035E7906 | P A H I K A S S V L V G Q S V T I P P V R D G M F L G T W Q G Y L C E F D H G G P | | | | |
| UniRef90_A4EU65 | P A H I K A A M M P V S L S P I S E G R P V L G T W Q G V Y L F E H R N P H R | | | | |
| UniRef90_UPI000348D5E7 | H S H L M A M T L S T S E V I P I V G A K L A L G T W Q S V L F F D L D G P R R | | | | |
| UniRef90_F2IXM3 | P A H I K A V L T G V S L P I P P V V A G R M D L G T W Q A V Y V V E H R Q A H Q | | | | |
| UniRef90_B8INK8 | P G H I R T M L T D S G L A I P I V E S R L A L G T W Q G Y L I E H D Q P H R | | | | |
| UniRef90_D5GPM6 | P A H I K V K S S L V G V T V T V P I V E G R L L G L G T W Q G W Y L E F R R A R H | | | | |
| UniRef90_B4PBK8 | P A H I K V K A C F L L G S S L T T P I T D G K L S L G T W Q G W L C E H D Q A G S | | | | |
| UniRef90_X0QVX1 | P A H I K V K S S M M L G V S L T T P I L V D G E L L G L G M W Q G Y L C E H R N G G Q | | | | |
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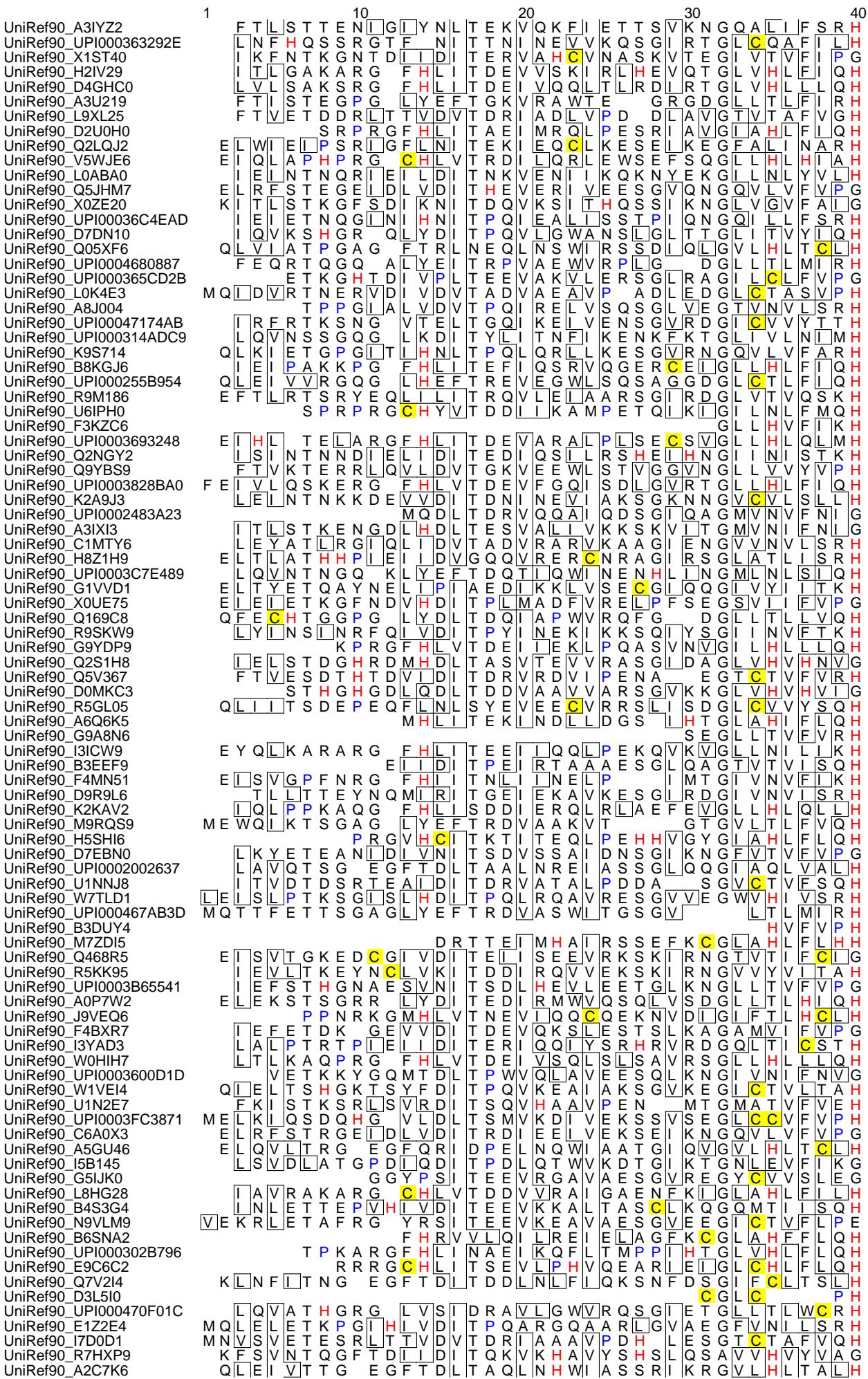
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| UniRef90_V5AY27 | I T L T S Q K S R G F H L I | T D E V L G Q I A L K S V K T G L L H L L L Q H | |
| UniRef90_S9PV95 | I T L T S R R T K G F Y I V | T S E L T S K L P E K N F S M G T L N L F I Q H | |
| UniRef90_K9QJZ7 | I T L I E I V T E P G I N I H N I | P T H I K D L I A K S S I K N G Q V L V F S R H | |
| UniRef90_D3T153 | UniRef90_M1E6E0 | I T L S I N T S K K L Q I D V T S L V E S A L I T S D S D V V H G I C S V Y V P H | |
| UniRef90_F8D4V1 | E F T V D T D A R L L T T V E V T | D V T D Q I I A A A V P D D L E S G T C T A F V E H | |
| UniRef90_K7QY18 | I T Q V E T P R E G F V N I | T R K V V E E A L S G H T G L V Y L F T P H | |
| UniRef90_K9P3R3 | Q L E I I T T K G E G F V D D I | T A A I I N G L I A A S G L Q L G S A T I A S Q H | |
| UniRef90_X5JC28 | I I E I K T D E G I N I H N I | T P Q I I Q D L I A S T P M K N G Q V L I F S R H | |
| UniRef90_C7NRF8 | L L S V S T D E R L S V V D V | T D Q V V A T A V P A N A D G T A T V F V P H | |
| UniRef90_R7DF75 | Q L R L R G F H L I T S L V E K E | L T S L V E K E L P E L P E E G L L N L F I Q H | |
| UniRef90_I3TEF3 | E F Q V A T R Q R E E I V V I | T R E V E R V V E D D S G V V R N G L A L I F A P H | |
| UniRef90_D3F098 | UniRef90_B1YAP5 | T D G V V R S V V R T S G V V V R G A A T V F A R G | |
| UniRef90_W8ESW4 | UniRef90_B3QP22 | R G F H L I T D L V V A E L P E Q I Q M G M A Q F F I Q H | |
| UniRef90_Q9JMW7 | I R L D T Q G F S D I V D V T | R E V V N R I I A D S G L V S G I L V T V S A V I G H | |
| UniRef90_KOB6Y1 | F E V K T R R A F V N I | T S D V V K K L V T K S K V Q E G L C L V N A M H | |
| UniRef90_X1J963 | E M H F S T Q G N S E I I D L | T N T V V K K Y L K G T N L N S G L V V N L F I P G | |
| UniRef90_V4J6Q8 | T I T T R R T M E L L V D I | T S S L H D I A Q A G C G P G L C H I S S P H | |
| UniRef90_U2EH80 | F T L L T K Q Y N E L I V V I | T D K I I K E A V V R E S S G V V K N G I V S V I T K H | |
| UniRef90_B4SDQ0 | E L I R I Q T T K P V E I I D I | T P E V V T T A L V V S S S G L Q Q G Q V T I I S Q H | |
| UniRef90_A6CC41 | E L I N L W M D I P K R Q I I S I | T D H D V E Q L V E E S G V V Q D G L V L V N A M H | |
| UniRef90_K2FIX9 | I N I K S T T Q V E F I D I | T D R V V S E V V E D D S G V V R T Q V L I Y S P H | |
| UniRef90_E1SWP2 | UniRef90_UP10003B3DB35 | R R G F H L I T D Q V V A R L P E A R C C D V G V L H L F I Q H | |
| UniRef90_UP10003B3DB35 | Q F D V E T N G P A C H E M T | R D V A A W L R G Q G D G L L V L M I R H | |
| UniRef90_R5TJE4 | F K I K T K Y N E V Y D I T E H | V K K A V E S E S G V V K E G T C L V Y N P H | |
| UniRef90_J7KCN3 | I Q V E T H G E G E I V N I | T P R I I E Q A I T E S G V V R E G L A S I F V T G H | |
| UniRef90_U1KQU7 | K R R G F H L I D G E I V Q H I | P R T A A F I A E A R A R E G A V T L F I R H | |
| UniRef90_S7VTN7 | E I N L P A Y R R G F H L I | T R H I V D F Q D L R K I E K G W L Q V W I K H | |
| UniRef90_A2EK92 | E I N L P E V T R G C H I | T K I I L Q S L I P E K N F K F G T L N I F L Q H | |
| UniRef90_J9YFR5 | K I T L D S Y P R G F H L I | T Q Q V E S A I P E R R N F R V G I A H I F V M H | |
| UniRef90_D8S7D8 | F D L P P Y P K R G C H I | T Q Q V I Y K A V P E S R N F R V G I A H I F V M H | |
| UniRef90_UP1000478CBB5 | F R L P T F S R G F H L I | T D L I V T E C C P E S K I I E I G I C Q V F I K H | |
| UniRef90_R6A2T1 | L S Y L S T A P Q G F I D I | T E D V H A A I E R S S V T N G L A A I I L S H | |
| UniRef90_X0TZS0 | T H E G D I I D I | T T E I V T R E A V A A S G V V Q E G I V S I F N A G | |
| UniRef90_G4REL1 | UniRef90_UP1000469D769 | T S E I V S Q I V S K S G I V E G I V S I F N A G | |
| UniRef90_D1J6P6 | E I K L Q A F Q F Q R G F H L I | T Q K V T K D I L D K I P E R R I K Y G Q L Q V F I K H | |
| UniRef90_F0UNU9 | E I K L I Q T K G S G F N R I | D G S I I N N W I R S T Q M Q C G V V H L T C H | |
| UniRef90_UP1000255B45E | UniRef90_A4CVX6 | | |

| 50 | 60 | 70 | 80 | |
|-----------------------|---|---|----|--|
| UniRef90_Q110J5 | T T T A L G I N E N E E R L I E D L K V Y L R K L A P E S D K Y L H N D L H A | | | |
| UniRef90_V4L2V0 | I T A S V F I N D D E A G L H D Y E V W L E K L A P H E P V S Q Y R H N N G | | | |
| UniRef90UPI000377B676 | T S A S L L I Q E N Y D A S A Q H D L E N W L N R L V P E N D S L Y T H P D D M | | | |
| UniRef90_Q6ND46 | T T A R I N V N E R E E K L E R D M L T F L K R F V P R D G D Y L H G R D N A | | | |
| UniRef90UPI000379C8A1 | T S A S L I V Q E N A D D D V Q K D L L N F Y D K L A P M D N E M Y I H N D D M | | | |
| UniRef90_H1XW25 | S T A A I S T V E Y E P G L L Q D I P E M M E K I A P M N R R Y H H D D T W H | | | |
| UniRef90_F4B7E8 | T T C A V I V N E A E K G L M S D Y L E W A K K L V P P E G K F N H N D N N G | | | |
| UniRef90UPI00029B3D0A | T T T G L M I N E P E E G L L Q D F K S K M K E L I P E G K G Y L H D R I D S | | | |
| UniRef90UPI00035D0E87 | T S C S L I V Q E N A D D P D V R H D M E L F F S T L V P A F L H R N E G D D M | | | |
| UniRef90_W7YKQ3 | T S A G L T I N E N A D D P S V R A D F E T M N T L I P E N M P E Y T H T D D M | | | |
| UniRef90_D3HSU3 | T S A S L M I C E N Y D A Q V R E D L E N F L K K L I P D G D T L F K H K D D M | | | |
| UniRef90_H0UP56 | I T S S G I I V N D N E S G L H K D I M E W L E R L A P E D P S Y Q H H E D N G | | | |
| UniRef90UPI00037EEE35 | T S A S V I L T E N A D R S V H D D L E R F M Q S T V P D S N N H L Y R H D D D M | | | |
| UniRef90_C0PTS8 | T S A S L T L N E N A S S D V P L D M E D A L N R I V P E G N N Y R H G Y D D M | | | |
| UniRef90_C5ESX2 | T T T G L T A N E A L I E C L Q S D M M D M M W R L V P E Y G H Y A H S R M N P | | | |
| UniRef90UPI000475C86E | T S A S L C L T E N A A P D V R A D L E S W A Q T L A P D G G R R Y R H P D D V | | | |
| UniRef90_E5SX22 | T S A S I T V N E N Y D P D V R K D M E M M L N N I A P E K M S Y K H G A D D M | | | |
| UniRef90_G1C7R7 | T S A S L T I N E N A D D P D V R G D L E R H L N V M V P E N A P Y Y E H P D D M | | | |
| UniRef90UPI0003675096 | T S A S L T L N E N A D P T V R S D F E A H I N H M V P E N Q P Y F Q H T F D M | | | |
| UniRef90_I0AI64 | S T A A I T T I E Y E P G L K D Y P K L F D K L I P Y H H N F T T W H D G N G | | | |
| UniRef90_C5JFY2 | T S C A L S L N E N W D E D V R A D M S D A L D R I A P E Y R H S A E G L D D M | | | |
| UniRef90UPI0003758614 | T S A S L T I N E N A D D P T V R G D F E R F F N K A V P E N E P Y F Q H D Y D M | | | |
| UniRef90UPI0004769FE7 | T S A S L V I Q E N A D P D V R H D L N R F F C N L V P E D P E L Y R H R C D M | | | |
| UniRef90_B7A922 | T T C G L T V Q E G A D P D V A H D L L A R L S E L P R K D R H R E G N S | | | |
| UniRef90_I4C492 | S T G A I T T I F E F E S G A I S D L K Q A L E R L A P Y A H N L R W H D G N G | | | |
| UniRef90UPI00029AA98C | T S A S L S I N E N A D D P D V P R D L E A S L N S I A P E D F P Y V H G P D D M | | | |
| UniRef90_D8JZ24 | T S A S L L I Q E N A D D P D V Q R D L V A F F F K R L V P D G D S L F I H P D D M | | | |
| UniRef90_B9KYG8 | S T A A V S V S E Y E P G L M Q D V R I V A E R I A P Q G A A Y A H N R D N A | | | |
| UniRef90_E4UUT1 | T S C A L S L N E N Y D S D V R A D M T D A L D R I A P H M G A L Y R H P D D M | | | |
| UniRef90_K2FZD0 | T T M S V V M N N N E P M L I Q D F M R L L Y K I V P M D D R Y S H G R S N G | | | |
| UniRef90_G5II62 | T T T A S I V I T S R M D A A G F E D L M E E V D R L I P T R I I D F K H Q F D T P | | | |
| UniRef90UPI0004409B42 | T S C G I T V N E N F D P A S K D M D M A L D N I V P Q D L N W Q H A E G S E | | | |
| UniRef90_I3IHQ3 | I T S G V F I I N D A E L G L H R D I E E W L L K I A P E N L N Y K H T M D D M | | | |
| UniRef90UPI0003596766 | T S A S I I L I N E N F D P T V L T D M E M M V L N K L A P E N L N Y K H T M D D M | | | |
| UniRef90_X7EE97 | T S A S L L I Q E N A D D P D V R H D L D A F F S R L V P R A D H T I E G P D D M | | | |
| UniRef90_V4J9N6 | T S A S L T I N E N A D P T V R M D M E S H F N H F V P Q N Q H Y Y R H D Y D M | | | |
| UniRef90_K2G6X8 | T T M G V V I N H E N E P M L I Q D F M R L I L Y K I V P M D D R Y S H G R S N G | | | |
| UniRef90_E0MJ61 | T S C S L L I Q E N A D D P D V P L D L N E Y F R R I A P W M R H T M E G P D D M | | | |
| UniRef90_K9XRT5 | T T T A I A V N E E Y E E R L L E D L K V Y L N K L A P A T D R Y L H N D L H A | | | |
| UniRef90_Q8KF17 | T T A C L N I N E R E E R L L M Q D M T T W L K R F I P V P K D G D W L H G R D N A | | | |
| UniRef90_A0A023D3N8 | T S A S L T V Q E N A D P T V R R D I A A F F E D L V P E H R Q Y L H G P D D M | | | |
| UniRef90_J2IQS4 | T S A S L T L I N E N C D S T V R D D M E R H F L N A V P D N A P Y K H D Y D D M | | | |
| UniRef90UPI000468D4BB | T S A S L T L I N E N A D D P T V R Q D F E A W F N N H A V P Y F R H T Y E G A D D M | | | |
| UniRef90_G8URT3 | I T A S V F I I N D D E S G L H Q D Y K K W L E R I A P H Q P I E Q Y R H N D T | | | |
| UniRef90_E0SNZ3 | A T A A I I A N E H E T G L I S D I Q F K I K D L T K P D A N W S H N D D N A | | | |
| UniRef90_A9ECD5 | T S A S L L I Q E N A D R D V Q R D L L A Y F S R L V P P S D H V M E G P D D M | | | |
| UniRef90UPI00037D95A0 | T S A S L T I Q E N A D D P A V R H D L E V F L R R I V P E D P H R Y R H D D D M | | | |
| UniRef90_Q2FQY2 | S T A A V T T I E Y E P G V L K D L S R A L S V S A P P D I T Y A H D S R W G | | | |
| UniRef90_B4S903 | I T A S V F I I N D D E A G L H S D Y K S R A L E E L A P H K P H N M T G E D N G | | | |
| UniRef90_B2KEP7 | I T S S V F I I N D D E N L E G L H R D F I K W V E K L A P Y D I N G Y D H N D N G | | | |
| UniRef90_V5AY27 | T S A S L T L I N E N C D P T V R Q D M E R H F L R A V P P Y E H H D Y E G P D D M | | | |
| UniRef90_S9PV95 | T S A A L T I N E N W D S D T R E D L R D I M D K V V P E S H S Y R H G L D D M | | | |
| UniRef90_K9QJZ7 | T T T A L I A I N E Y E V R L L E D I K V F F S K L A P A S D R Y L H N P M N A | | | |
| UniRef90_D3T153 | T T A G V I V N E R E G R L L A D I E T A L E R L V P R D E E Y E H N D D N A | | | |
| UniRef90_M1E6E0 | T T A A I T I N E A A D D P D V A L D I E S F L K L H P E G I K F R H L E G N S | | | |
| UniRef90_F8D4V1 | T T A G L V V Q E N E S R L R E D L E S Y L S E L V P D E G H H D Q L D G N A | | | |
| UniRef90_K7QY18 | T T C G L L Q E E G A D P D V A H D L L R R L E E L A P K H P K D R H A E G N T | | | |
| UniRef90_K9P3R3 | T S C S L T I Q E N A D D P R V L V D L I A A F R L R A L V P P W V H D D E G P D D M | | | |
| UniRef90_X5JC28 | T T T A L I A I N E Y E E R L L T D T K V Y L S K L A P Y S N K Y L H N P M N A | | | |
| UniRef90_C7NRF8 | T T A A V T T I N E G E P R L I G D L E T A L D G L V V E D D G W H D Q I D N N A | | | |
| UniRef90_R7DF75 | T S A G L T I N E N A D D P S V R T D F E R S F N H I P E N Q S Y Y T H V D D M | | | |
| UniRef90_I3TEF3 | A T A A V V L I N E R E A G L I E D I I Q K I V E F T E P G H S K W R H N D N A | | | |
| UniRef90_D3F098 | A T V A V T T M E Y E P G G V E D L T E L L E Q L V P R A R A W A H G D T N A | | | |
| UniRef90_B1YAP5 | A T A I V T A N E N E P R L R E D I L N K I R A L F P R G A G Y R H D D N N A | | | |
| UniRef90_W8ESW4 | T S A S L S I N E N A D D P T V R H D F E Q F F N R L A P E N A P Y F R H T D D M | | | |
| UniRef90_B3QP22 | S T A S V T T I I E F E P A L V E D F R E K L Q Q L F P S T E R S R H S E T W G | | | |
| UniRef90_Q9JMW7 | T S A S L T I Q E N A D D P S V L V D L T T A L S R L A P E N A G W T H G P D D M | | | |
| UniRef90_K0B6Y1 | I T A S V F I I N D D N E G G L L H D Y E K W L E G L A P H Y D H N K T G E D N A | | | |
| UniRef90_X1J963 | A T G G L T T M E Y E P G L I D D L R K T F Q R I V P Y L H N L T H K D R N A | | | |
| UniRef90_V4J6Q8 | T T A G I T T I N E G A D P A V A R D I I A G L K K I V P L D Y P F E H G E G N S | | | |
| UniRef90_U2EH80 | T T T G I T V N E E A L I E C L E N D I E V F L G R L V P E D Y P Y A H A R M N P | | | |
| UniRef90_B4SDQ0 | T T A F I T I N I N E K E E R L L E D M E T W L K R L V P K D G N Y L H G R H N A | | | |
| UniRef90_A6CC41 | I T A S V F I I N D N E S G L H A D Y D R W L E Q L A P F D A H N R T G E D N A | | | |
| UniRef90_K2FIX9 | T S A S V V I I N H E N E S M L I Q D F M R V L Y R L V P I N D K Y S H D I F N G | | | |
| UniRef90_E1SWP2 | S S A S S L T L I N E N A D D P T V R Q D F E S H F N Q A V P E N A P Y Y R H T Y D M | | | |
| UniRef90UPI0003B3DB35 | T S A S S L L I Q E N A D D P E V Q T D L I G W F D R L V P W L T H T Y E G P D D M | | | |
| UniRef90_R5TJE4 | S T A G L A V F S P W D P G F L D L D E E I R R L V P T R I D F K H Q H D T P | | | |
| UniRef90_I7KCN3 | S T A A I T T I E Y E P G V L S D L R R A L S V I A P A D I P Y A H D A A W G | | | |
| UniRef90_U1KQU7 | T S A S L T I N E N A D P T V R M D L E S H F N H F V P E R Q A Y Y K H D Y D M | | | |
| UniRef90_S7VTN7 | T S A G L T I N E N A D D P S V R V D F E T F T N Y L V P E D Y P H F A H T M D M | | | |
| UniRef90_A2EK92 | T S A A S L T I N E N V C S D V R S D L E N W M N S A I V P E G P H W E H G A D D M | | | |
| UniRef90_J9YFR5 | T S A S S L T I N E N A D P T V R H D M E A F F N H S V K F F R H T Y E G K D D M | | | |
| UniRef90_D8S7D8 | T S A S S L T I N E N A S P D V P L D M E D A L N K L A P E G H H Y R H G L D D M | | | |
| UniRef90UPI000478CBB5 | T S A S S L T I N E N A D S T V R A D F E S H M N R M V P E N A P H Y T H T Y D M | | | |
| UniRef90_R6A2T1 | T T C G I V V N E G L P C V E T D L M E T L D R I A P L D A P Y A H A H F N S | | | |
| UniRef90_X0TZS0 | S T G A I I T E Y E P G V L K D I P N F L E K I I P K N R N Y Y H H D G N G | | | |
| UniRef90_G4REL1 | T T A G L S I T S F W D P P K G L E D V H D D I L N R L V P T R I D F K H T P Q D A | | | |
| UniRef90UPI000469D769 | T S A S S L T I N E N V C D P T V R S D M E Q H F L R T V P E S A A W Q H D Y D D M | | | |
| UniRef90_D1J6P6 | UniRef90_F0UNU9 | T S C A L S L N E N W D E D V R A D M S D A L D R I A P E D K G D L Y R H D M | | |
| UniRef90UPI000255B45E | T S A S S L T I N E N A D P T V R L L D F E S H L N V M V P E N A P Y Y I H T Y D M | | | |
| UniRef90_A4CVX6 | T S C S L T I N E N A D P R V L L D L A A W M D A I V P Q D G H H D E G N D D M | | | |

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|------------------------|-----------------------------|
| UniRef90_Q110J5 | R N V L V Q V |
| UniRef90_V4L2V0 | K R V L I K I |
| UniRef90_UPI000377B676 | R Q V M H |
| UniRef90_Q6ND46 | R R V E L Q I |
| UniRef90_UPI000379C8A1 | R K V F L H L |
| UniRef90_H1XW25 | R R V V L Q F V |
| UniRef90_F4B7E8 | R T V N V K V M |
| UniRef90_UPI00029B3D0A | R E V L V |
| UniRef90_UPI00035D0E87 | R R V F M H L |
| UniRef90_W7YKQ3 | R R N L I A T I |
| UniRef90_D3HSU3 | R H L L I T L L |
| UniRef90_H0UP56 | K R V V V K V I |
| UniRef90_UPI00037EEE35 | R K L V I T V |
| UniRef90_C0PTS8 | R R I C I T L |
| UniRef90_C5ESX2 | R T V Y V E I M |
| UniRef90_UPI000475C86E | R R I V V T I |
| UniRef90_E5SX22 | R R I V A T V |
| UniRef90_G1C7R7 | R R L V A T I |
| UniRef90_UPI0003675096 | R K I L A T L |
| UniRef90_I0AI64 | R E I I V Q L |
| UniRef90_C5JFY2 | R K V V A T I |
| UniRef90_UPI0003758614 | R R T L V |
| UniRef90_UPI0004769FE7 | R Q V V G H L I |
| UniRef90_B7A922 | R E V W I K L L |
| UniRef90_I4C492 | R S V M I Q V M |
| UniRef90_UPI00029AA98C | R S L V L T I |
| UniRef90_D8JZ24 | R S I V V H V V |
| UniRef90_B9KYG8 | R T V W V Q V L |
| UniRef90_E4UUT1 | R N V V A T I |
| UniRef90_K2FZD0 | R D I I V Q V M |
| UniRef90_G5II62 | R K V L V S V |
| UniRef90_UPI0004409B42 | R R V V A T I L |
| UniRef90_I3IHQ3 | K R L I M K V M |
| UniRef90_UPI0003596766 | R K L V V T |
| UniRef90_X7EE97 | R N V V A H L |
| UniRef90_V4J9N6 | R N I V A T L |
| UniRef90_K2G6X8 | R D V V I Q V M |
| UniRef90_E0MJ61 | R R I V L H L |
| UniRef90_K9XRT5 | R K I L V Q I |
| UniRef90_Q8KFI7 | R E V L V H I |
| UniRef90_A0A023D3N8 | R T V V L H V L |
| UniRef90_J2IQS4 | R T I I A T L |
| UniRef90_UPI000468D4BB | R R L L L T L |
| UniRef90_G8URT3 | K R V L V K I I |
| UniRef90_E0SNZ3 | R T I V V M V |
| UniRef90_A9ECD5 | R Q V A A H F |
| UniRef90_UPI00037D95A0 | R H V V L H V I |
| UniRef90_Q2FQY2 | R H L T V T I L |
| UniRef90_B4S903 | K R L L I K I I |
| UniRef90_B2KEP7 | K K V L L K I I |
| UniRef90_V5AY27 | R R I I A T L |
| UniRef90_S9PV95 | R T I V C T I |
| UniRef90_K9QJZ7 | R T I S S V Q I |
| UniRef90_D3T153 | R R F R V S V I |
| UniRef90_M1E6E0 | R N I N I |
| UniRef90_F8D4V1 | R T V S V T T V |
| UniRef90_K7QY18 | R E V W W |
| UniRef90_K9P3R3 | R R F S L H L L |
| UniRef90_X5JC28 | R T I F C Q I |
| UniRef90_C7NRF8 | R S L T V T T |
| UniRef90_R7DF75 | R K L I A T I |
| UniRef90_I3TEF3 | R S I L I T V M |
| UniRef90_D3F098 | R E V A V Q I L |
| UniRef90_B1YAP5 | R N |
| UniRef90_W8ESW4 | R R W V L T T L |
| UniRef90_B3QP22 | R E I F V Q L V |
| UniRef90_Q9JMW7 | R E V V L Q F I |
| UniRef90_K0B6Y1 | K R V L V K I I |
| UniRef90_X1J963 | R K V I L Q I I |
| UniRef90_V4J6Q8 | R G V R |
| UniRef90_U2EH80 | R T V S I S V I |
| UniRef90_B4SDQ0 | R K V L V Q I |
| UniRef90_A6CC41 | K R I L V K I I |
| UniRef90_K2FIX9 | R D V I I Q I I |
| UniRef90_E1SWP2 | R Q L V A T L |
| UniRef90_UPI0003B3DB35 | R Q V |
| UniRef90_R5TJE4 | R E F Y V K I |
| UniRef90_I7KCN3 | R T V Y V T V L |
| UniRef90_U1KQU7 | R T V I A T L |
| UniRef90_S7VTN7 | R S L V L T V M |
| UniRef90_A2EK92 | R H V V L T I M |
| UniRef90_J9YFR5 | R T I I A T L |
| UniRef90_D8S7D8 | R R L C T I |
| UniRef90_UPI000478CBB5 | R D L V L T I |
| UniRef90_R6A2T1 | R K V Y V E V L |
| UniRef90_X0TZS0 | R K L F I T V I |
| UniRef90_G4REL1 | R Q F F V K |
| UniRef90_UPI000469D769 | R R I V A T L |
| UniRef90_D1J6P6 | R R I I A T |
| UniRef90_F0UNU9 | R K |
| UniRef90_UPI000255B45E | R N L V C T I M |
| UniRef90_A4CVX6 | R T I A C H L I |



| | 50 | 60 | 70 | 80 |
|-------------------------|---|---|----|----|
| UniRef90_A3IYZ2 | L VI N E D E S R L L E D I K T Y □ K K L A P P T D S Y □ H N D □ H A | | | |
| UniRef90_UP1000363292E | T S A S L M I T E N T D P A V R E D I E H W M Q T H V P A Y R H S D E G P D D M | | | |
| UniRef90_X1ST40 | A T G G I T T I E Y E P G L I K D L K K A F E R L I S E K I E Y A H H D Y N G | | | |
| UniRef90_H2IV29 | T S A S L T L N E N C D P T V R R D M E Q H F M R T H V P E D A P Y Q H D Y D D M | | | |
| UniRef90_D4GHC0 | T S A S L T L N E N C D P T V R R D M E Q H F M R T H V P E D A P Y Q H D Y D D M | | | |
| UniRef90_A3U219 | T S A S L L I M E N A D P E V Q T D L T A Y F H R L V P Y □ T H T H E G P D D M | | | |
| UniRef90_L9XL25 | T T A G L L V Q E N E S R L R G D L E T F L G D L V P D E G H H D Q □ L D G N A | | | |
| UniRef90_D2U0H0 | T S A S L T I N E S A D P S V Q T D F E S Y F N R I V K E N E Y Y Y Q H T C □ D M | | | |
| UniRef90_Q2LQJ2 | I T A S V F I N G D E P G L L D Y E Y W L E K L A P H Y R H N D T G G T N G | | | |
| UniRef90_V5WJE6 | T S A S L V I N E N A D P E V R V D L E S I L N H L V P F L T H T Y E G A D D M | | | |
| UniRef90_L0ABA0 | T T A A I T L N E Y E P N L E E D L K R L I S E I L F R P D G D W K H N D D N A | | | |
| UniRef90_Q5JHM7 | A T G A I I T I E H E S G L L E D F K R A L K E L I P K G A G Y □ H D R D N A | | | |
| UniRef90_X0ZE20 | S T A S V S T I I E Y E P A L V E D V R Q Q L E E F I P A S K H T R H S Q T W G | | | |
| UniRef90_UP100036C4EAD | T T T A F A I N E N E T R L L E D I K N F L Q K L A P E S E Q Y L H N D □ H A | | | |
| UniRef90_D7DN10 | T S A S L L I N E N Y D H D V L V D M E A F F K R L V P D G D P □ F I H P D D M | | | |
| UniRef90_Q05XF6 | T S A S L T I N E N A D P R V L D D L S A W M D A V V P H Y K H D D E G N D D M | | | |
| UniRef90_UP10004680887 | T S A S L L I Q E N A D P D V Q R D L L I S Y F A R L V P Y □ L R H R D E G P D D M | | | |
| UniRef90_UP1000365CD2B | T T A T L T T E F E P G L V K D I R D F W E R V A P V S H F Y E H N A R W G | | | |
| UniRef90_L0K4E3 | T T A G V I V N E R E D R L L S D I V E D A L L E R L V P R G E T Y A H D D D N A | | | |
| UniRef90_A8J004 | T T T A V T I N E N E T R L M D D V R Q F L S K L A P A S A P Y L H N P Q N A | | | |
| UniRef90_UP100047174AB | T T G A V T I L T S F W D P L G H E D I Q D E I R R L I P T R V D F K H Q H D T P | | | |
| UniRef90_UP1000314ADC9 | T S C S L I V N E N A D P N V L K D L D K Y I N S I V P F Y K H Y Q E G E D D M | | | |
| UniRef90_K9S714 | T T T A L T I N E D E E R L L L D D I Q □ Y L R K L A P A G D R Y R H N D □ H A | | | |
| UniRef90_B8KGJ6 | S S A S L A I N E N A D P D V R G D L Q R H F E V L A P R N A P Y Y Q H D D D M | | | |
| UniRef90_UP1000255B954 | T S A S L L I Q E N A D P S A R V V D L E N W L N R L V P E N D D P L Y T H P D D M | | | |
| UniRef90_R9M186 | T T T G I T V N E S L E C □ E S D I E T F L S A L V P E D R P Y S H A R M N P | | | |
| UniRef90_U6IPH0 | T S C S I T L N E S W D G D V K E D I E M L L N R L I P E N L K Y K H G P D D M | | | |
| UniRef90_F3KZC6 | T S A S L T I N E N A D P T V R S D F E Q V F D R L V P E N A P Y Y E H T D D L | | | |
| UniRef90_UP10003693248 | T T S A I V I N E N E N G L K K D Y I N F L R E I V P K K E Y Y H D □ D N N A | | | |
| UniRef90_Q2NGY2 | T T T A A V A V N E A E P R L M E D I V E F F I R E L T K P G G P W K H N D V N A | | | |
| UniRef90_Q9YBS9 | S S A S S I S I N E H A D P S V R K D L E K F Y S E L C Q Y Y T H T Y E G P D D M | | | |
| UniRef90_UP10003828BA0 | T T C A L T T A D L D P G T D Q D L L E A L R K M L P K I S Y R H P D P S H A | | | |
| UniRef90_K2A9J3 | S T G A I G A I E F E P G L K Q D L P D L L N R L I P Y G H E Q A W H D G N G | | | |
| UniRef90_UP10002483A23 | S T G V I G A I E F E P G L K K D L L P E F F L N K L I P Y G H E K T W H D G N G | | | |
| UniRef90_A3IX13 | UniRef90_C1MTY6 | T T T A V T I N E A E G R L M D D V R Q Y L T R L A P P G D P Y L H N D □ H A | | |
| UniRef90_H8Z1H9 | T T A R V N L I N E R E P Q L V Q Q D M L T F F L K R F I P R D G D Y Q H N R D N A | | | |
| UniRef90_UP10003C7E489 | T S A S L I V Q E N A D P D V Q K D L L I N Y F D K L V P M N N K L □ Y V H K D D M | | | |
| UniRef90_G1VVD1 | T T T G I T V N E N C E C □ L K A D I L K R L □ G M I F P E E D D Y Y H A R F N P | | | |
| UniRef90_X0UE75 | S T G G V T T I F E F S G V I D D L K D A F E R L I P Q T I E Y R H n L R W G | | | |
| UniRef90_Q169C8 | T T S A S L L I Q E N A D P D V Q T D L Q A F F N R L V P P A D D P R M G P D D M | | | |
| UniRef90_R9SKW9 | T T S A I I I Q E N E N E K G L Q T D L F N I L Y D L I P D G N R Y S H D M H N A | | | |
| UniRef90_G9YDP9 | T S A S L T L N E N C D P T V R D D M E R H F M R T V A P Y E H D Y E G A D D M | | | |
| UniRef90_Q2S1H8 | S T G A V V G T I E F E P G L Q Q D L P E Q L D A L F P Y A H E Q R W H D G N G | | | |
| UniRef90_Q5V367 | T T A G I T V N E A E P R L L G D L S D A L G D L I P D S G W H D E □ D G N A | | | |
| UniRef90_D0MKC3 | S T A A I G T I E F E P G L Q R D L P T L M D R L I P P H E H Y L H D G N A | | | |
| UniRef90_R5GL05 | T T S A S V F L E N D R E Q L Y T D W S E M L K K I V P G E S E Y K V D Y S S A | | | |
| UniRef90_A6Q6K5 | T S A S L C I N E N V D P T V R S D A E I F L N D L V P E D Y P K F R H T Y D M | | | |
| UniRef90_G9A8N6 | T S A S L I I Q E N A D P D V R R D L S E F F R R L V P W I T H S E E G P D D M | | | |
| UniRef90_I3ICW9 | T S A S L T I N E N A D P T V R K D F E S F F N R A V P Y Y L H R D E G G D D M | | | |
| UniRef90_B3EEF9 | T T A F I T N I N E K E N C L L E D M V T F L K R L V P R D G N Y S H G R D N A | | | |
| UniRef90_F4MN51 | T S A S L T I N E N A D P S V R E D F E T H F N □ M V P E D G E Y F K H P D D M | | | |
| UniRef90_D9R9L6 | T T T G I T V N E S L E C □ E S D I I A E F L S R M A P E D W P Y A H A R M N P | | | |
| UniRef90_K2KAV2 | T S A S L S L I N E N A D A D V R R D L H W F L L Q Q Q I G Q F A D G F □ H T C D M | | | |
| UniRef90_M9RQS9 | T S C S L L I Q E N A D P E V Q T D L A A F F D R L V P P S D H P Y E G P D D M | | | |
| UniRef90_H5SH16 | T S A A L T L I G E N T D P D V R A D L G E H L E R L V P D D L R L Y R H S D D A | | | |
| UniRef90_D7EBN0 | S T A A V T S M E Y E P G L I S D L T S V L E K I L V P P S D H P A M G P D D M | | | |
| UniRef90_UP100020202637 | T S C S L T V N E N A D P R V L R Q D L T T Y L R A L V P P Q Y P Y L H N P Q N C | | | |
| UniRef90_U1NNJ8 | T T M G V V V N E A E S R L M S D L A D G L D E L V P D D G W H H Q □ D D N A | | | |
| UniRef90_W7TLD1 | T T T A V T I N E C E S R L M D D D I R Q F L L K L A P P Q Y P Y L H N P Q N C | | | |
| UniRef90_UP1000467AB3D | T S A S L L I Q E N A D P D V Q A D L G A F F H R L V A P P S D H P A M G P D D M | | | |
| UniRef90_B3DUY4 | T T A A V T I Q E D A D P D V Q K D L L Y V L D K I I P W E D Y S Y H T E G N S | | | |
| UniRef90_M7ZDI5 | T S A S L T L N E N Y D P D V Q T D T E T F L S R I V P P W R H T □ E G S D D M | | | |
| UniRef90_Q468R5 | T S T G A I T T M E F E P N L S K D V V S E T L L D Q I P L D R D Y H H H K T W G | | | |
| UniRef90_R5KK95 | T T T G I A V N E G L E C □ L E Y D I G H L M E R L V P E D G E Y A H G R G N P | | | |
| UniRef90_UP10003B65541 | A T G A L T T V E F E P G L I E D L K E L L W E T I P S T K T Y N H D R A W G | | | |
| UniRef90_A0P7W2 | T S A S L L I N E N Y D S D V L V D L E S F F A R L V V D G D S H F □ H P D D M | | | |
| UniRef90_J9VEQ6 | T S A G L T L N E N C D R T V R T D M D M A L L D T I V P E S L P W E H T D E G P | | | |
| UniRef90_F4BXR7 | A T G A V T T I E Y E D G L V A D L G D A L L E R I A P Q N H n L R W H D G N G | | | |
| UniRef90_I3YAD3 | S T A F V A L I N E R E P K L Q Q D M L D F F L N R L V P P S D A D Y R H N D N P V | | | |
| UniRef90_W0HIH7 | T S A S L T L N E N C D P T V R T D M E N H F L R Q I P E S A P Y Q H D Y D D M | | | |
| UniRef90_UP10003600D1D | S T A C I G T I E F E P G L M E D L P E Q L S R I F P P G R H Y A H H D G N G | | | |
| UniRef90_W1VEI4 | T T C S V F Y T E D G D E F L Q V D L N N V L E K I V P N Q T D Y Q Y T Y N C | | | |
| UniRef90_U1N2E7 | T T A A V T V N E C E K R L Q S D F E T A L D G V I N N T G W H D E □ D G N A | | | |
| UniRef90_UP10003FC3871 | T T A G L V I Y S G I D P K G L L D L N D T V K T M V P V R T D F H H Q C D P | | | |
| UniRef90_C6AOX3 | A T G A I V T I E H E N D L L E D F K R V L R E L V P K G A G Y K H D D D N N A | | | |
| UniRef90_A5GU46 | T S A S L T I N E N A D P R V L E D L A A W M R R R V A P Q Y R H D D E G D D M | | | |
| UniRef90_J5B145 | S T G S V S T I E Y E P G V T D L K R A I N S L A P Y A H E Q A W H D G N G | | | |
| UniRef90_G5IJK0 | A S T G L G I T S F W D K R G L D D L M D E I I G R N L P A R V D Y H S Q T S P F | | | |
| UniRef90_L8HG28 | T S A S L S I N E N Y D S D V R R D M E D A L N R I A P E E G V N Y R H S M D M | | | |
| UniRef90_B4S3G4 | T T A F V N I N E Y E P R L M D D M V T F L K R Q V P R D G N Y A H G R D N A | | | |
| UniRef90_N9VLM9 | E E T G L S I T S F W D E R G L L D L E I E R N I P A R V N Y K N Q F S P F | | | |
| UniRef90_B6SNA2 | T S A S L T I N E N Y D S D V Q A D T E T F L N R L V P P W K H T M E G P D D M | | | |
| UniRef90_UP1000302B796 | T S A S L T I S E N T C A D V P L D L E S Y F N K A I P D N N N F Y R H T D D M | | | |
| UniRef90_E9C6C2 | S S A S I S I N E N A D P D V R K D M E T V L N R L V P E G D S Y V H G P D D M | | | |
| UniRef90_Q7V214 | T S C S L T I N E N A D P N V L K D L E K F I K S L V P Y Y E H F Q E G E D D M | | | |
| UniRef90_D3L5I0 | T T A A I V T I N E D A D P S V R E D I L R Q L K N L A P R K G E Y S H L E D N S | | | |
| UniRef90_UP1000470F01C | T S A S L T I V Q E N A D P T V R E D I E R Y F E T L V P E E S G R Y I H P D D M | | | |
| UniRef90_E1Z2E4 | T T T A I A I N E C E A R L L D D I R Q F L R K L A P P N E P Y L H N P E N A | | | |
| UniRef90_I7D0D1 | T T A G L V V Q E D E P R L R G D L E S F L G D L V P D E G H H D E □ D G N A | | | |
| UniRef90_R7HXP9 | S T V S V T N L E F E P G L V D L P E A F L D K I L V P G D Y H H D E T W H | | | |
| UniRef90_A2C7K6 | T S C S L T I N E N A D P R V L T D L S A Y L K A L V P E E G H D D E G P D D M | | | |

| | | 90 | 100 | 110 | 120 | |
|-------------------------|-----------------|---|---|---|-----|--|
| UniRef90_A3IYZ2 | H S H L | M A M T [L] S T N E [I] I | P I M D G K L A L G T Y Q S L M L V E [L] D G P R E | | | |
| UniRef90_UP1000363292E | S S H L | R T [L] L T Q T S Q T L | P V T N G K L N L G T W Q A I F L Y E H R G V F S | | | |
| UniRef90_X1ST40 | H S H I | R A S F M G P S L T L | P F S K G T I Q L G I [W] Q R V I F I D F D N P R N | | | |
| UniRef90_H2IV29 | P G H I | K S S L L G A S L V L | P V S R G R L L L G T W Q G I W L G E H R D G G Q | | | |
| UniRef90_D4GHC0 | P A H I | K S S S L L G V S L L T L | P P V Q R G Q L V L G T W Q G I W L G E H R H G G A | | | |
| UniRef90_A3U219 | P A H I | K A G M M P V S L L S I | P P V Q G G G R P L L G T W Q G I F V A E H R A P H | | | |
| UniRef90_L9XL25 | D S H L | R A A L L V G P D V T I | P P V S D G E P A L G T W Q S I F V L E C D G P R T | | | |
| UniRef90_D2U0H0 | P A H L | K S S L L L G G S S L V I | P V T N G Q F N M G A W Q G I Y L C E H R N G G E | | | |
| UniRef90_Q2LQJ2 | D A H L | K R Q I M G R E V V V A I | T N G I L D L G P Y E Q I F Y G E F D G L R E | | | |
| UniRef90_V5WJE6 | P A H A | A K A A L L L G S S V E I | P L N G G R P L L G T W Q G I Y L C E H R R N R G G | | | |
| UniRef90_L0ABA0 | H A H L | L A S S F I G N S R S L | I E S G K I V L V G T W Q R I L F I E L D G P R K | | | |
| UniRef90_Q5JHM7 | H S H L | R A S L L G A S E C [C] V P L | F P V D G R L V R G T W Q Q I F F V E L D | | | |
| UniRef90_X0ZE20 | D S H I | R A T F M G P G I C V P L | S D G E L V L G T W Q Q I I I I D H D N P R S | | | |
| UniRef90_UP1000364C4EAD | H S H L | M A M M L N N S E I I I | P I V D G K L A L G V Y Q S I L F F E L D G P R K | | | |
| UniRef90_D7DN10 | P A H V | R T A L T Q T S L S I | P L I D G K A A L G Q W Q G I F L Y E H R H A S A R | | | |
| UniRef90_Q05XF6 | P A H I | R T A L T S Q T M T L S | P V E D G R L L L G M W Q A V Y L W E H R A P H | | | |
| UniRef90_UP10004680887 | P A H I | K A T M M P V S L S | P V A N G A M R L G T W Q G I Y L F E H R N P H T | | | |
| UniRef90_UP1000365CD2B | Y A H V | R A Q S S G P S L V L | P F V D G K L L L G T W Q D I V L V D F D N P R R | | | |
| UniRef90_L0K4E3 | D A H L | R A T L L L G E S V T V | P I V D G E L A L G T W Q A I L F V D C D G P R R | | | |
| UniRef90_A8J004 | H S H L | L S M V L L G N G T L A I | P V S G S R I L A L G T W Q S V L L V E L D G P R P | | | |
| UniRef90_UP100047174AB | A G H V | K S S S L L G V S M T L I | V E E G K L L L G H S Q G I Y F L E F D G P R N | | | |
| UniRef90_UP1000314ADC9 | P A H I | K T A L T N T S L S F S I | Q N E K L M L G T W Q G I Y L W E H R G I N I | | | |
| UniRef90_K9S714 | H S H L | M A I T L N T S E V I | P V I E G A L G L G T Y Q S V L L M L D L D G P R Q | | | |
| UniRef90_B8KGJ6 | P A H I | K S V L I G T G L T I | P I S Q G R I A L A L G T W Q G V Y L L A E H D H A G S | | | |
| UniRef90_UP1000255B954 | P A H I | K A A L T A S S S L S I | D H A L G T W Q G I Y L | | | |
| UniRef90_R9M186 | T G H L | K A L L L V G N H C H L | P L Q G G G V P V R G G A Q E I Y F C E F D G P A V | | | |
| UniRef90_U6IPH0 | P A H A | K H A I I L L S G S V T I | P P I T D G K M N L G T W Q G V W F I E H R R N Q K S S | | | |
| UniRef90_F3KZC6 | P A H I | K I S S S L L G P E L T I | P I R N Q G L T L G T W Q G I Y L C E H D Q G G S | | | |
| UniRef90_UP10003693248 | P A H V | V A A S L L G T Q V T L | A V I R D G R I L A L G T W Q G L W L G E H D H G G P | | | |
| UniRef90_Q2NGY2 | R S H L | L M A L F T T A N Q T L | P I I D S M I N L G T W Q S I F F V E L D G P R R | | | |
| UniRef90_Q9YBS9 | H A H L | G N T I I I G D S R V I | P V V G G R I L S L G T W Q R I I L G E H R R A S S | | | |
| UniRef90_UP10003828BA0 | P S H V | K A S M L G S D V T I | P I T S Q G F P N G F T W Q G I I L G E H R R A S S | | | |
| UniRef90_K2A9J3 | P D H M | M I S S L L V G T S I S L I | F I Q N K S L V L V G T W Q R V I I L V E F N G P Q T | | | |
| UniRef90_UP10002483A23 | H S H L | L Q A T W L G P E L T V | P I T A G R P V L G T W Q Q I F H L E C D N P R S | | | |
| UniRef90_A3IX13 | H S H L | L Q A T L L L G P S M T V | P I I I N G N L K L G I W Q Q I F H L E C D K P R Q | | | |
| UniRef90_C1MTY6 | UniRef90_H8Z1H9 | H S H L | L S M L I G N S E T I | P P V D G E I L A L G T W Q S V M L V E L D G P R T | | |
| UniRef90_UP10003C7E489 | P A H I | K S A L T N N Q I S L S I | P I K D S K I L L L G T W Q G L Y L F E H R I N Q Q | | | |
| UniRef90_G1VVD1 | T G H L | K A M I T G N H A V F P I | V N G S I M L G K A Q E I Y L A E F D G P Q I H | | | |
| UniRef90_X0UE75 | D S H V | R V S A I C Y K A S L T V P F L | A N K P A T G T W Q Q I V L I D F D N R R H | | | |
| UniRef90_Q16C8 | P A H I | K A A I L L P V S L S I | P V V A A G Q I Q L G L T W Q G I Y L V E | | | |
| UniRef90_R9SKW9 | G S H L | R S L L F I G P S E I I | P I I Y E G S L L D L G R W Q S I F F F I E L D G P R S | | | |
| UniRef90_G9YDP9 | P A H I | K S S L L G T T L T L | P I I C K G K L Q L G T W Q G I W F G E H R H G G S | | | |
| UniRef90_Q2S1H8 | H S H L | Q A T T L S P S I T V | P P V G D G A P I L G T W Q G I F H L E C D K P R E | | | |
| UniRef90_Q5V367 | D S H V | R A M F V G P S E T I | V R D G D I L D M G T W Q S V L F V D C D G P R E E | | | |
| UniRef90_D0MKC3 | H S H L | Q A T L L L G A S V T V | P P V R D G L P A L G T W Q Q I V L M E C D R P R Q | | | |
| UniRef90_R5GL05 | A A H M | K Q M L L L G A S V T V | P P I T D G R I L E L G P R Q Y I M Y G D F D G C R E | | | |
| UniRef90_A6Q6K5 | P A H I | K N M L L L G T S L L T V | P P V T H A R I L A L G T W Q G I Y L F E H R Y T S G | | | |
| UniRef90_G9A8N6 | P A H I | K A A L T Q V S L G I | P V I D G R I L A L G T W Q G I Y L F E H D R P H R | | | |
| UniRef90_I3ICW9 | P A H I | K A S L L L G A S V N I | P I T N G R I L N M G I W Q G V Y Y | | | |
| UniRef90_B3EEF9 | H S H L | L G L F M N T S E T I | P P F S R G E I L L L G R W Q S V F F F I E L D G P R S | | | |
| UniRef90_F4MN51 | T S H I | K S S L L L G S S V S F P | P V K N G I P Q I G T W Q G V Y L C E H R R N A S K | | | |
| UniRef90_D9R9L6 | T G H L | K S L L T L G N H C H L | M V S S G G C L Q K G G A Q E V Y F C E F D G P A Q | | | |
| UniRef90_K2KAV2 | P A H I | C A S S L L G T S T I | T L T A I E D G R I L A L G T W Q G I Y L F E H R R Q A G S | | | |
| UniRef90_M9RQS9 | P A H I | K A A M L P T S L L Q I | P P V I S G E M Q L G T W Q G I Y L F E H K T P H L | | | |
| UniRef90_H5SH16 | S S H I | K S V L L V G V S L S I | P I R N G A L A L A L G R W Q G I Y L C E F R R A G K | | | |
| UniRef90_D7EBN0 | D S H V | R A S S L L G Q S E T F P I | E T F P I I N S E L A N G P W Q Q V V L I N L D N P R Y | | | |
| UniRef90_UP10002002637 | P A H I | R T A L T T S T S L G L S I | F E R G R I L L L G T W Q A V Y L W E H R R A H Q | | | |
| UniRef90_U1NNJ8 | D S H V | R A M L V G E S V T V | P P V E D G D I E L L E L G R W Q S I L A V E C D G P R T | | | |
| UniRef90_W7TLD1 | H A H L | L S M L L G N T L V V V | P P V V S G G K L K I G R W Q S V M M V E L D G E R E | | | |
| UniRef90_UP1000467AB3D | P A H I | K A A L L L P V S L Q I | P V Q A G R M R L G T W Q G I Y L F E H R N P H T | | | |
| UniRef90_B3DUY4 | A A H V | K S A L L L G N S S L L | H C N I V G G R I K L G T W Q G V F L C E F D G P R T | | | |
| UniRef90_M7ZDI5 | P A H I | K S S M F G C L T I | P I T D G R I L N M G T W Q G I W L C E H D Y A T P | | | |
| UniRef90_Q468R5 | D S H L | R A M L I G P S L T V | P P F V E K N L T L G T W Q Q I V Y I N F D R E K V | | | |
| UniRef90_R5KK95 | T G H L | K A H L T G N H C V F P I | V P D I E D G K I K S G S A Q D I Y L C E Y D G P Q Y | | | |
| UniRef90_UP10003B65541 | H S H L | R A S S L L V G P S S L | S P F S T F G E T L L G T W Q Q V I F I I D F D R K R S | | | |
| UniRef90_A0P7W2 | P A H I | R T A L T Q T S L S I | P V K D K R A L L L G Q W Q G I F I Y E H R G E F N | | | |
| UniRef90_J9VEQ6 | D S H L | K T S L L I G N S I T V | P P I S K G K L V L G T W Q G I Y L A E F R H N Q G | | | |
| UniRef90_F4BXR7 | H S H I | R A S L I G P S L I V P | P P F A A R R I L I L G T W Q Q I V F F L E L D G P R E | | | |
| UniRef90_I3YAD3 | H S H L | L G L F M N S S A T I | L V V S N G E L L L G G W Q S I F F F L E L D G P R E | | | |
| UniRef90_W0HIH7 | P A H I | K S S L L L G T S L L L | P P P V G H G T L L L G T W Q G I W L G E H R N C G G | | | |
| UniRef90_UP10003600D1D | H S H L | Q A T L M G P E I T V | P P F K D K K I V Y F V D F D R T R S | | | |
| UniRef90_W1VE14 | D A H L | K S T I L L G S S E T F | P E V A D G K I L G V G T T G Y I F H L E C D K P R K | | | |
| UniRef90_U1N2E7 | D S H I | R A M L I G A S E T I | P I D S G E L A T G T W Q S V L L I E C D G P R T | | | |
| UniRef90_UP10003FC3871 | P S H I | K S A L L F G N S I T F I | V H E N E L V L V G G S Q Y I F F V E L D | | | |
| UniRef90_C6AOX3 | H S H L | R A S L L L G S S S L V L | P I V D G K V V R G L W Q Q I F F F L E L D G P R E | | | |
| UniRef90_A5GU46 | P A H I | R T A L T S Q T L D L S V V G G R I R L R G I W Q A V Y L C E W R A R G S | | | | |
| UniRef90_J5B145 | H S H L | V Q A A L L G P S V S I | P I V R D G N I T L G T W Q Q V V V I N H D G P R K | | | |
| UniRef90_G5IJK0 | D G N V | V K G A V V V G R S A M L | L V H E G K P V L G T W Q Q V L L E F D G P R Q | | | |
| UniRef90_L8HG28 | P A H V | K A S L L L G A G G L T I | P I T D G R F H L G T W Q G I W L C E H R | | | |
| UniRef90_B4S3G4 | H S H L | M G L F M N S S E T T I | P I P F N Q T G I M L G Q W Q S I F F F I E L D G P R P | | | |
| UniRef90_N9VLM9 | N A R V | K G A V V V G R S T T L L I | H E G K G L L L G S S Q G L V F L E F D G P R E | | | |
| UniRef90_B6SNA2 | P A H I | K S S M F G C S L T I | P I T D G R P V L G T W Q Q Y L C E H D H A S P | | | |
| UniRef90_UP1000302B796 | P A H I | K N V I L L G A S L T I | P I L Q K G Q L A L Q G Q W Q G I Y L C E H R N H A T | | | |
| UniRef90_E9C6C2 | P A H V | K S S L L F G G V S V T V | P I T N G R I L N F G T W Q G I Y L C E H R S T K K | | | |
| UniRef90_Q7V2I4 | P A H I | K T A L T N T N L S I | P I K Q K G R I L I L G T W Q A I Y F F C E F D G P R D | | | |
| UniRef90_D3L5I0 | D A H I | K S S L L L G A S Q T I | P I V H E G R I L V L G T W Q G V F F C E F D G P R D | | | |
| UniRef90_UP1000470F01C | P A H I | R A M L T N V Q L S I | P I V A D G R P V L G T W Q Q Y L F | | | |
| UniRef90_E1Z2E4 | H S H L | L S M V L L G N S S E T V | P I T G G R I A L G T W Q S V M L V E L D G A R T | | | |
| UniRef90_I7D0D1 | D A H L | R A A L L L G P D V T I | P I V D G E I A L G T W Q S V V L L V E C D G P | | | |
| UniRef90_R7HXP9 | D A H V | R V R A S I V V G N N T M V P I | L D G A L Q G Q W Q Q I V L I D F D N A R T | | | |
| UniRef90_A2C7K6 | P A H I | R T A L T C S T L S I | D Q G R I L L G I W Q A I Y L W E H R R H G S | | | |

UniRef90_A3IYZ2 R T F F [V] Q V
UniRef90_UP1000363292E R H [V] V V T V
UniRef90_X1ST40 R E L V I Q I V
UniRef90_H2IV29 R R I V I T L
UniRef90_D4GHC0 R R I V A T L
UniRef90_A3U219 R E I A A H F
UniRef90_L9XL25 R T V T V T V L
UniRef90_D2U0H0 R K I I V T L
UniRef90_Q2LQJ2 K R V L V K M I
UniRef90_V5WJE6 R R K I I
UniRef90_L0ABA0 R M V K I V F I
UniRef90_Q5JHM7

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UniRef90_D7DN10 R R V I L H L I
UniRef90_Q05XF6 R R V A C H L I
UniRef90_UP10004680887 R Q V A A H F
UniRef90_UP1000365CD2B R T I I V Q I V
UniRef90_L0K4E3 R R L R V T T V
UniRef90_A8J004 R T V G V Q L
UniRef90_UP100047174AB R E C I I K V
UniRef90_UP1000314ADC9 R K I N I H A I
UniRef90_K9S714 R T V W V Q V
UniRef90_B8KGJ6 R S V V A T L
UniRef90_UP1000255B954

UniRef90_R9M186 R T I T V T V
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UniRef90_F3KZC6 R T L V L T L
UniRef90_UP10003693248 R R L L A T L
UniRef90_Q2NGY2 N R V I I T I M
UniRef90_Q9YBS9 R T V
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UniRef90_K2A9J3 R R V T Y K I I
UniRef90_UP10002483A23 R Q V L V T V
UniRef90_A3IX13 R E I V V T I
UniRef90_C1MTY6 R T L G V Q V V
UniRef90_H8Z1H9 R T L T L Q F L
UniRef90_UP10003C7E489 N R V V I H
UniRef90_G1VVD1 R D V M I S I L
UniRef90_X0UE75 R R L I F Q A I
UniRef90_Q169C8

UniRef90_R9SKW9 R R V D L T I M
UniRef90_G9YDP9 R R I V A T I
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UniRef90_Q5V367 R D V V V T
UniRef90_D0MKC3 R E I V V T V
UniRef90_R5GL05 K T V L V K I I
UniRef90_A6Q6K5 R T I I I T L
UniRef90_G9A8N6 R E I V L H L

UniRef90_I3ICW9 R S I L L Q F
UniRef90_B3EEF9 R R I V I T L I
UniRef90_F4MN51 R T I L I Q V M
UniRef90_D9R9L6 R Q I I A T L
UniRef90_K2KAV2 R R V V
UniRef90_M9RQS9 R S I V V T I L
UniRef90_H5SH16 R E L I L Q I
UniRef90_D7EBN0 R Q L S L H L I
UniRef90_UP10002002637 R T I T V R V
UniRef90_U1NNJ8 R T V G I Q V V
UniRef90_W7TLD1 UniRef90_UP1000467AB3D R Q V A A H L L
UniRef90_B3DUY4 R K I Q L S F I
UniRef90_M7ZDI5 R T I V I T L
UniRef90_Q468R5 R R I V L Q I L
UniRef90_R5KK95 R T I Y I T I I
UniRef90_UP10003B65541 R K L V L Q F I
UniRef90_A0P7W2 R R V N L H L I
UniRef90_J9VEQ6 R K V V A T I L
UniRef90_F4BXR7 R K L V L Q M M
UniRef90_I3YAD3 R T L A V Q V
UniRef90_W0HIH7 R R R I V A T L
UniRef90_UP10003600D1D R D I V I T V M
UniRef90_W1VEI4 R K R K C K I I
UniRef90_U1N2E7 R T V S V T I
UniRef90_UP10003FC3871 R Q V L V Q V
UniRef90_C6AOX3

UniRef90_A5GU46 R R I A L H L L
UniRef90_I5B145 R T V L L T L V
UniRef90_G5IJK0 R T C H I Q V V
UniRef90_L8HG28

UniRef90_B4S3G4 K R S I L
UniRef90_N9VLM9 R R Y C I Q V
UniRef90_B6SNA2 R K I V I T L
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UniRef90_E9C6C2

UniRef90_Q7V2I4 R S I S V H I I
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UniRef90_UP1000470F01C

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UniRef90_I7D0D1
UniRef90_R7HXP9 R T V Y V Q I V
UniRef90_A2C7K6 R R V A I H A I

1 10 20 30 40

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|------------------------|---|--|--|--|
| UniRef90_R6RM57 | Q I S L N S H G T T Y L D I T P Q V K E A I K N S G I K S G T C T V I S P H | | | |
| UniRef90_X1D175 | T V R A P R R G C H L V Q D E V D D A F P D R T N K P G L A N L L I R | | | |
| UniRef90_C1E171 | L D L E T D Q G I G I Y N L S P Q I Q E F I A A S S I R N G Q V L I C S R H | | | |
| UniRef90_B0C546 | L D V R T R D R F D V I D V T D R V R E F L Y R N N V T N G L L M I S V P H | | | |
| UniRef90_D9Q2L9 | | | | |
| UniRef90_X1GLZ4 | | | | |
| UniRef90_U7TU38 | | | | |
| UniRef90_B3ELF5 | E I Q L R T N K Y N Q Y I I L T S D I E K I I E K S G I L H G M V T I L T K H | | | |
| UniRef90_T1JYL1 | I S R E T T E P L Q I I D I T D E V R D F V V S C G L E Q Q Q I L T L A S Q H | | | |
| UniRef90_W8S5S3 | K I H L R P A L R G C H L I T D E V L K Q L P E S K F Y V G M C H I H V L H | | | |
| UniRef90_K1ZK53 | I K L E T K S A F D F I D I T G R V E K F L K R N K M K S G L V N V Q S R H | | | |
| UniRef90_G2DXM7 | L S I P T S A P L Q I I D V T D R V R D V L K A H P V G N G H H I L T S S H | | | |
| UniRef90_W7DJN2 | L Q V Q T H G Q G T M L N V E I S N W I L K T G I V T G L L T L W C K H | | | |
| UniRef90_B8KT58 | R F S T S T R F Q L I D I T G I V E E A V E K S G V A N G I V V I H A P H | | | |
| UniRef90_E8R9L9 | V N T S G E G F Y D I T E S V K T H S K Q I D S D E G L L Y I F T M H | | | |
| UniRef90_T0RPY5 | P R G F H H V T D D I A R A L P L A D C S Q G L L H L Q L M H | | | |
| UniRef90_H0IZZ4 | | | | |
| UniRef90_E9CSU8 | L Q I P T E S G I Q I Y D V T P Q I Q T F V T S T T I Q N G Q V L I F S R H | | | |
| UniRef90_T1E143 | S P R G C H L I T P K V L K E I D L S D F S C G L A H I F F A A | | | |
| UniRef90_U2N1H3 | Q I S L T S H G E T S F F D I T P Q V R E A I K K S N I Q N G I C V V I S P H | | | |
| UniRef90_UP100036840A8 | K I S L K T S D R P S Y H D I T K E V N K I V Q D S K I K N G I C V V S S P H | | | |
| UniRef90_A2BPX5 | K L K F I T N G E G F I D I T Y D L N L C V E K N N F H S G I L N L T S H | | | |
| UniRef90_K8GH51 | I Q I P T E S G I Q I Y D V T P Q I Q T F V T S T T I Q N G Q V L I F S R H | | | |
| UniRef90_UP10002B48606 | I Q I P T E S G I Q I Y D V T P Q I Q T F V T S T T I Q N G Q V L I F S R H | | | |
| UniRef90_U2DM23 | K D G V V V Q L T E W L R R C V R E S G V Q S G I A V L S A P H | | | |
| UniRef90_M0HE79 | F D I Q T D R R R L Q A I D V T R Q V S K A L P P S D A D G V C T V F S R H | | | |
| UniRef90_V7IB50 | I K L L T K Q Y N E W I L I T E E L L K G I C T E S K I I R N G I M Y V I S R H | | | |
| UniRef90_R5R0E8 | E V P I C A D K E F E M I K I T D D V R K V V E E S G V E K G I V Y V I T E H | | | |
| UniRef90_R7AFZ0 | E I A S R Q E F E M V K I T D Q V Q K D V A A S G I T A G V V F V I S M H | | | |
| UniRef90_R9LSB8 | I H I L T K V Y N E F D V I T P Q V E A I V A E S G I V K N G M V T V L T K H | | | |
| UniRef90_J4KFW4 | K L L T L E S H G K T T F I N I T E E L L R A A I A E S G I K E G T A T V I S P H | | | |
| UniRef90_I1KM82 | R R G C H L V T S K I V K E I Q E S G G F K C G L A H L F L Q H | | | |
| UniRef90_R5IMK4 | E N E V V T K H E F E M I N I T N E V K K A V A D S G I K N G M V A V I T K H | | | |
| UniRef90_N2A221 | L V F E F D E R E T I K N I T D H V E M I L E E S K V R E G L L V L V S A L H | | | |
| UniRef90_K2HHD3 | | | | |
| UniRef90_R7TYN1 | D G I L T L F V R H | | | |
| UniRef90_Q2CAS4 | G L L C H V F I Q H | | | |
| UniRef90_K5XDN7 | | | | |
| UniRef90_A0A024Q266 | M L F L F I Q H | | | |
| UniRef90_X1FEQ9 | S P R R Q G F H L I T D D I T D Q L P E A S V R L G L L H Q L L H | | | |
| UniRef90_B3QYC4 | F T V A T K G F S D I L D I T G K V H E V I R E S A L R S G I V G V C V I G | | | |
| UniRef90_Q3IPY0 | F T V E T D R E I Q C I D I T D R V T E A L P D D H D G V T T V A S R H | | | |
| UniRef90_UP1000344A5A4 | E F V V K S K G Q S S F I D V T N E V R E F V Q Q S G V H E G I C T V A T T H | | | |
| UniRef90_TOU109 | Q L T L T S N G R V S Y H N I T Q E V K D F V E R S Q I K N G I C L V Q S P H | | | |
| UniRef90_X1U3T6 | M I D I T R K V S T V V K E S G I A D D G D A I V Y C P H | | | |
| UniRef90_S0S622 | E L I L E S N G R R T Y H N I T E Q V K A F V E E T G V K N G L C L V Q S Q H | | | |
| UniRef90_B3EQJ3 | I K I T T K G F S D I I D L T H L V D D V I S Q S G I N E G I V V N I S A G | | | |
| UniRef90_UP100037C53D1 | E V E Y L T D K E F Q L I P V T D K V R D F V R D T G I Q N G V V F V I T S H | | | |
| UniRef90_G5KDD2 | E I K I L N T D N K I T Y H N I T N E I Q K I L D R S D I R D G I I T V V S P H | | | |
| UniRef90_R6QVQ9 | I K V Q S H G K T T Y I D V T P E V K R V I E E S G I K S G L C A V I S P H | | | |
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| UniRef90_D8PBV6 | Q V K M Q G D C R V E N I T G Q V Q A A L K Q T Q L C A G I L T I F I K H | | | |
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| UniRef90_B7QWS0 | | | | |
| UniRef90_A2COV1 | M F V Q | | | |
| UniRef90_UP100047167B3 | Q L S I S T S G Q G F I H I T P N V A A V L A D S G L A Q G L V C L S C H | | | |
| UniRef90_F4PA99 | Q I G L V A N I F L Q H | | | |
| UniRef90_Q017U8 | I T V S A G K R G L I D I T E D V A A V L A E S R C D T G L L H C F C E H | | | |
| UniRef90_Q017U8 | I T V S A G K R G L I D I T E D V A A V L A E S R C D T G L L H C F C E H | | | |
| UniRef90_D2B8Y5 | I E V V T G S R E R V H N I T A E C E S F V R S C G G D G L L N V F V P H | | | |
| UniRef90_UP10003B5ACB7 | F S I N T K P A E G F V D V T P Q L R S A V V S G S G I G D G V L H V E V P H | | | |
| UniRef90_D0ZFE6 | R P R G F H I T A E I I A G L P A R Q V R V R L L H L L Q H | | | |
| UniRef90_A6D177 | GR V S Y H N I T N E V K N I V R E S G I E N G I C V I Q T A H | | | |
| UniRef90_X1I8A3 | | | | |
| UniRef90_E3GQZ2 | Q I S V E S H G N T T Y I N I T P Q V R E A I I A K S G I K N G T C S V I S P H | | | |
| UniRef90_H1AHA1 | E I N L T T A N R P S Y H D V T A D V M E A L A I S G I Q D G I C V V S S P H | | | |
| UniRef90_UP10003814FD6 | L R V T T G G P E G I T D L T G E L K Q L A A G S A V A E G T L H V Y C G H | | | |
| UniRef90_U9VI35 | F L K F D T A D T I D I L N I T S A I Q Q Q V E V A A I R Q G H H V V I F S C H | | | |
| UniRef90_C4VSP9 | E L T I N T D G R P S Y H M I T D Q V K G A V K E S G I Q N G M C V V Q T T H | | | |
| UniRef90_B3QQ85 | | | | |
| UniRef90_C1MU78 | T L T A P G R G A H D V T E A I A A A G L K A G G G V A A G W L N L F I Q H | | | |
| UniRef90_C1MU78 | T L T A P G R G A H D V T E A I A A A G L K A G G G V A A G W L N L F I Q H | | | |
| UniRef90_UP100046FDA88 | L S F E E F E K E T I K N I T N H V R M V L E E S G I R E G V I T V S S L H | | | |
| UniRef90_A0LTP7 | I E I P V A T G S T L V S D V T D E V E R F C A G R G D G L L V H V F V P H | | | |
| UniRef90_W7T8Q0 | V E I Q I R T G S A E V V Y D L T G D C E R F L A E E G A V D G L L H V W V P H | | | |
| UniRef90_UP10003624295 | K L T L T S H G R V T Y H E I T E Q V R E H V A K S E I R E G I C V V A S P H | | | |
| UniRef90_L1IHW6 | | | | |
| UniRef90_UP100032A32BC | D I T P E I K E L I K T S G M K N G F V N V I S R H | | | |
| UniRef90_A2C787 | K P R G F H L V T D E I L L G P I R E A S C N A G L L H L L L Q H | | | |
| UniRef90_UP100037065E2 | I I Q L T S H G K T T F F D I T P Q V K T A I L N S K I K C I V I S P H | | | |
| UniRef90_U1NGG0 | F E I S T N N R L S V R D I T E Q V C D A I P D E A T G I A T V F I E H | | | |
| UniRef90_V4QA14 | R D S Y F D I T E H N T A K E S G I Q N G L C L V S T P H | | | |
| UniRef90_A4TBW5 | L D I D T S R R R F V D L T S A V R D F C A E R G P D A G L C N V F V P H | | | |
| UniRef90_C1AXD7 | E I E V R T G A E P V V Y D L T R E I E K F L A S T G A R D G L L H V W V P H | | | |
| UniRef90_N6X503 | S T R N H P T F H D V T K E V K A A L K R S G V K D G I A V V Y S H H | | | |
| UniRef90_D3PVE5 | E L T T G T K A A A R D I S G E C E S F L R E H G A N G L L N V F V P H | | | |
| UniRef90_U2DN15 | I E L Q T Q H H K A Y D I T A Q V K E I V E R S G V K D G I C T I F C P E | | | |
| UniRef90_U5VSW5 | I T V R T G D Q P V V R D I T G E A E Q F V S G R G D G L L H V F V P H | | | |
| UniRef90_C7NLY1 | E Y R T G S Q D V V L D I T R D C E A F V A G Q G D G L L Q L F V P H | | | |
| UniRef90_I5C4U1 | L S V I S T A G T G L Y E F T D R V D R F V R E A G V D A G L L T L F F V R H | | | |
| UniRef90_C5EI33 | I P V E T D R R R V S F E D V T E K V Q D I V E Q S G I R N G L V N V F S Q H | | | |

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| UniRef90_X1D175 | D A H L K R Q V M G R E V V V A I T H G K L D F G P W E Q I F Y G E F D G R R R | | | |
| UniRef90_C1E171 | T A H V K S T L L G C S L T V P V D A H G M K T G T W Q G V Y L C E H R N G H A | | | |
| UniRef90_B0C546 | H S H L M A I T L S S S E V A P I V E G Q L A L G T Y Q S V L L F E L D G P R Q | | | |
| UniRef90_D9Q2L9 | H A H I A A S F I G N S R C L A V I N G S P K L G R W Q R V V L L V E M D G P R T | | | |
| UniRef90_X1GLZ4 | A A H I K S T L V G S S L G P V S G G R L V L G T W Q G I Y F C E F D G P R S | | | |
| UniRef90_U7TU38 | T G H L K A H L T G N H C H F P I V D G N L Y K G G A Q D I F F C E F D G P S Q | | | |
| UniRef90_B3ELF5 | H S H L M G L F M N S S E T P I P I H A G R M L L G E W Q S V F L V E L D G P R A | | | |
| UniRef90_T1JYL1 | P A H I K A C F L G A S L T I P V S D G K L T L G P W Q D | | | |
| UniRef90_W8S5S3 | P A H I K A A L L P V S L L Q V P V L G G R M R L G T W Q G I Y L V E H R R P H R | | | |
| UniRef90_K1ZK53 | H A H C K A L L I G T S V T L N L I G G K M D I G K W Q R V F F V E L D R A R S | | | |
| UniRef90_G2DXM7 | H S H L I G L F M N A S E I I P I A D G E L L L G G W Q S I F F I E L D G P R D | | | |
| UniRef90_W7DJN2 | P A H I K T I L T Q T H L S I P V V N R Q M V L G M W Q G I Y L F E H R R A H L | | | |
| UniRef90_B8KT58 | P A H I K S A L T A T Q L S I P F R D G A L M L G T W Q G I Y L W E H R H C G Q | | | |
| UniRef90_E8R9L9 | H A H G S A I I G A R E V I P V V N G R V A R G T W Q N V F F I E M D G P R S | | | |
| UniRef90_T0RPY5 | P S H M K S I L L N Q N L C V E N G D L I M G T W Q G I Y L S E F D G Q K D | | | |
| UniRef90_H0IZZ4 | P A H I V A A S L F G T Q T L A V R D G R L A L G T W Q G V W L G E H R Q G G L | | | |
| UniRef90_E9CSU8 | P A H I K S A L I G A S V T I P I T S G R L A T G T W Q G I W Y L E F R S K H H | | | |
| UniRef90_T1E143 | P A H I K S S M F G C S L T I P I S N G K L N M G T W Q G I W L C E H D Y P T P | | | |
| UniRef90_U2N1H3 | D A H L K A T L L G S S E T F E V D N G A L G V G T T G Y V Y F V D F D R T R S | | | |
| UniRef90_UP100036840A8 | D A H L R S T L L G S S E T F I L K N G E L L I G K V G Y V Y F V D F D Q T R E | | | |
| UniRef90_A2BPX5 | P A H I K T S L T N T C L S L S F Q D G K I M L G T W Q A V Y L W E H R D Q K E | | | |
| UniRef90_K8GH51 | H S H L M A M T L S T S E V I P V V D G K L A L G T Y Q S V L L F E L D G P R T | | | |
| UniRef90_UP10002B48606 | P A H I K S S L F G C A L T I P I T N G K L N M G T W Q G I W L C E H D H P T A | | | |
| UniRef90_U2DM23 | A G H N K S A L M G T N T T F I V E G G E L V L G S S Q G V F F E D G P R T | | | |
| UniRef90_M0HE79 | D S H L R A L L V G N G V S I P V V D G E L D L G R W Q S V L L V E C D G P R T | | | |
| UniRef90_V7IB50 | T G H L K S H L T G N H C V L P I I D G T I S K G D A Q D I Y F C E F D G P A S | | | |
| UniRef90_R5R0E8 | P G H L K S L L T G N H C V L P V D G K L K L G H A V D I Y F C E Y D G I K N | | | |
| UniRef90_R7AFZ0 | P G H L K S M L C G N H C V L P V M D G K V A G G S A Q D I Y F V E F D G L K I | | | |
| UniRef90_R9LSB8 | T G H L K A L V T G S H C H F I Q D G K I N R G G A Q D V Y Y F C E Y D G P A S | | | |
| UniRef90_J4KFW4 | D A H L K A T L L I G S S E T F E V T D G K L L G V G T T G Y C Y F A D F D R T R A | | | |
| UniRef90_I1KM82 | P A H I K S S M F G C T L T I P I T N G K L N M G T W Q S V L L V E C D G P R T | | | |
| UniRef90_R5IMK4 | P G H L K S M L V G N H C I F P V D G K M M T G G E Q N I Y F A E L D G L Q I | | | |
| UniRef90_N2A221 | P A H I K R N A V G R S E T I S V T D G R M D L L G N W E Q I Y F A D F N G N R K | | | |
| UniRef90_K2HHD3 | P A H I K R A A L L P V S L S I P V R A G R M V L G S W Q G V F L V E H D A P H D | | | |
| UniRef90_R7TYN1 | P A H I K S S L F G A D V V M I P I T N G S L A L G T W Q G V W L G E H D R G G N | | | |
| UniRef90_Q2CAS4 | V S H T K T S L V G S S I S I P I T D G Q L N L G T W Q G I Y L T E F R H P T | | | |
| UniRef90_K5XDN7 | P A H I V L J A S L F G T Q L T L A V V E S G R L L A T G T W Q G I W L G E H R H G G P | | | |
| UniRef90_A0A024Q266 | D A H L K R Q I M G R E V V V A V T N G R L D F G P W E Q I F Y G E F D G R R R | | | |
| UniRef90_X1FE9Q | D A H L K A R S I I G P G L C P F Q A G R V L L G T W Q G I V V I D H D N P R N | | | |
| UniRef90_B3QYC4 | D S H L R A L L V G P S E Q V P V A D G S P D L G T W Q S V L L V E C D G P R S | | | |
| UniRef90_Q3IPY0 | D A H I K A T I I I G E S V T I P I K G S K L T L G T T G Y V Y F A D F D Q T Q E | | | |
| UniRef90_UP1000344A5A4 | D A H I R S S F F G A S E S F I L H E G K L E I I G S V G Y I Y F V D F D Q N R V | | | |
| UniRef90_T0U109 | D A H I C K S S L V G C E Q V L I R D A A L K L G S W Q A I F F | | | |
| UniRef90_X1U3T6 | D A H I R A S M F G A S E T F A L I N D G L L A I G V V G S I Y F I D F D Q N R I | | | |
| UniRef90_S0S622 | D S H M R A S L M G P G V T M P V S S G R L V R G T W Q Q V V Y I D H D N R R D | | | |
| UniRef90_B3EQJ3 | P G H L K S M L C G N H A V L P I K D G V I Q C G F A Q D I Y F A E F D G P Q K | | | |
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| UniRef90_G5KDD2 | D A H L R S T I I L G S S E I F D V E D G K L L G V G V T G Y V V Y F V D F D R T R P | | | |
| UniRef90_R6QVQ9 | R D H V L P A L V P P H A T L P P V V N G R L A L G T W Q S V C Y L V D T D N P E | | | |
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| UniRef90_D2B8Y5 | R S H V M P A L I I P P Y A T V P V L S T G R L A L G T W Q S I A V V D L N D N R E | | | |
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| UniRef90_H1AHA1 | D G H L R S T I I L G A S E T T I I K D G N L L N G K V G Y I Y F V D F D Q T R E | | | |
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Sequence alignment of UniRef90 entries:

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- UniRef90_UP100046EC7F8
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- UniRef90_G0G1R2
- UniRef90_UP10003065576
- UniRef90_K7MBP3
- UniRef90_A3DKS7
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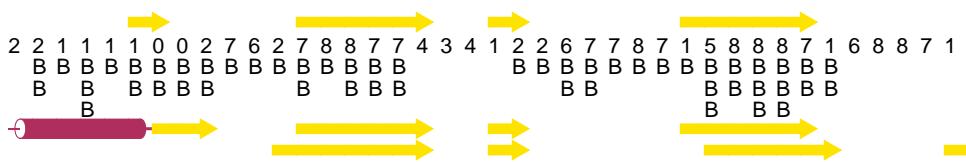
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conf
sol25
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sol0
jhmm
jpssm

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| UniRef90_UP100046F7104 | T S A S L T L N E N A D P D | V R H D M A A F L N D R V P G N L P Y F R H T L E G | | |
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| | P G H G R D H |
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