

| QUERY | 1 | 10 | 20 | 30 | 40 |
|------------------------|---|----|----|----|----|
| UniRef90_T2MJ43 | K M S S E L F T L T Y G A L V T Q L C K D Y E N D E D V N K Q L D K M G F N I G | | | | |
| UniRef90_B3S9Y0 | K V S G E L F T L T Y G A L V S Q L L K D Y E S D D E D V N K Q L D R M G Y S M G | | | | |
| UniRef90_UPI0003593FEC | K F S S E V F A L T Y G A L V A Q L L K D Y E N D D D V N K Q L D K M G Y N M G | | | | |
| UniRef90_S2JY55 | K I N A E L F T L T Y G S M V V Q L V K D F E D Y G E V N K Q L E K M G Y N I G | | | | |
| UniRef90_T1G6X9 | K I S S E L F A L T Y G S I V A Q L V N D Y E E D D E I N K Q L D K M G Y N I G | | | | |
| UniRef90_F4NWB8 | K V N A E L F T L T Y G S L V A Q L I K D Y E N N D E D V N K Q L D K M G Y N I G | | | | |
| UniRef90_T1JCC7 | K V S T E L F T L T Y G S L V A Q L I K D Y E N D E E D V N K Q L D K M G Y N I G | | | | |
| UniRef90_Q4SIV0 | K M N A E L F T L T Y G A L V T Q L C K D Y E N D E D V N K Q L D K I G Y N I G | | | | |
| UniRef90_H2Y868 | K I V G E L F T L T Y G A L V S Q L I K D Y E T D E D E D V N K Q L D K M G Y N I G | | | | |
| UniRef90_I1FWWR8 | V S G E L F T L T Y G A L V A Q L V R D Y E S D D E I N K Q L D K M G Y N I G | | | | |
| UniRef90_C4WXG1 | K V N A E L F A M T Y G A L V V V Q L I K D Y E N V E N K Q L D R M G Y N I G | | | | |
| UniRef90_UPI00044075E8 | R V S S E L F T L T Y G S L V A Q M L K D Y E S D D E E V N K Q L D R M G Y N I G | | | | |
| UniRef90_B7QH45 | R I N S E L F T L T Y G S L V A Q L I K D F E D D E D V N K Q L E E R M G Y N I G | | | | |
| UniRef90_E9C9R4 | K V S A E L F T L T Y G S L V A Q L I K D Y E N V E N K Q L D K M G Y N I G | | | | |
| UniRef90_M2QXL2 | K I N A E L F T F T Y G A L V V V Q L I K D Y E D Y A Q V N K E L D T M G Y N I G | | | | |
| UniRef90_UPI000441432B | R V N A E L F T L T Y G A I V R Q L L T D Y E E D E E V N K Q L D T M G Y N I G | | | | |
| UniRef90_A9STP5 | K V N A E L F V L T Y G S I V A Q L I C K E Y D D Y A Q V N K E L D N M G Y N I G | | | | |
| UniRef90_M7NS17 | K V N A E L F T L T Y G S I V A Q L I C K E Y D D Y A Q V N K E L D N M G Y N I G | | | | |
| UniRef90_E9H4K9 | K I N S E L F T L T Y G A L V S Q L I K D Y E N E A E D V N R Q L D R M G Y N I G | | | | |
| UniRef90_G1XR36 | K I N A E L F V T L T Y G S V V A Q L I C K D Y E D Y A E V N K Q L D K M G Y N I G | | | | |
| UniRef90_UPI000440ED7F | K I N A E L F A L T Y G A L V I Q L I Q D Y E D Y A E V N K Q L D E E K M G Y N I G | | | | |
| UniRef90_M2RGY3 | K I N A E L F F S L T Y G A L V V Q L I V Q D Y E D Y A A V N T Q L E E K M G Y N I G | | | | |
| UniRef90_C1BR18 | K V S G E L F F S L T Y G S L V A Q I L K D Y E N V D D V N K Q L D R M G F N I G | | | | |
| UniRef90_UPI00026575E3 | K V N A E L F T L T Y G A L V A Q M M K D L E N C E V N K H L D R M G F N I G | | | | |
| UniRef90_V2X627 | K V N A E L F A L T Y G A L V V Q L I Q D Y E D Y S E V N K Q L D E E K M G Y N I G | | | | |
| UniRef90_K5UYD2 | K I N A E L F A L T Y G A L V V Q L I Q D Y E D Y D E V N K Q L D E E K M G Y N I G | | | | |
| UniRef90_K3WM83 | K V N G E L F A L T Y G A M V T Q L I R D F E D L K A V N Q L D N M G Y N I G | | | | |
| UniRef90_Q6CCJ8 | K V N S E L F K L T Y G S I V A Q L I C K D Y E N G D Y A V N K Q L D K M G Y N I G | | | | |
| UniRef90_X8JFP9 | K I N A E L F T L T Y G A L V V Q L I Q D Y E D Y G E V N K Q L D D K M G Y N I G | | | | |
| UniRef90_UPI0003C375FB | K V N S E F L T L T Y G A L V T Q M L R D I E N V E D V N K Q L D E R I G Y N M G | | | | |
| UniRef90_V5GBT0 | K V N S E L V T L T Y G A L V A Q M M K D L D N T D D V S K Q L D E R L G Y N M G | | | | |
| UniRef90_I6NDT6 | K V N A E L F T L T Y G S I V S Q L C S D Y Q R D N V N Q L F A M G R S I G | | | | |
| UniRef90_UPI0004561315 | K I N A E L F T L T Y G A L V V Q M I K D Y E D Y A E V N K Q L E E K M G Y N I G | | | | |
| UniRef90_D8LQV4 | K V N A E L F F T L T Y G A M V M Q L I Q D F E D V G A V N K Q L E S M G Y N I G | | | | |
| UniRef90_A7TQ02 | K I N A E L F T M T Y G A I V S Q L C T D F Q D Y N K V N D Q L F F S M G Y N I G | | | | |
| UniRef90_B0CSU6 | K I N A E L F A L T Y G A L V V Q L I Q D Y E D Y D E V N N Q L E E K M G Y N I G | | | | |
| UniRef90_L1JCD7 | K I N A E L F T L T Y G S M V Q L I L K D Y E D P N E V N I Q L D K M G F G I G | | | | |
| UniRef90_G7E2V1 | K I N A E L F A M T Y G S L V V Q L V K D Y E D Y G A V N E Q L D K M G Y N M G | | | | |
| UniRef90_A0A024J9K7 | K V N A E L V T L T Y G S V V S Q L C R D Y E N Y S L V N K Q L H D K M G F S I G | | | | |
| UniRef90_E1ZNY8 | K I N A E I F T L T Y G S M V R Q L I A D H E D V E E V N A Q L D T M G F S I G | | | | |
| UniRef90_G1KP89 | K I S R E L F V L T Y G A L V A Q L I C K D Y E H D E V N K S L D E T M G F S I G | | | | |
| UniRef90_Q6BQA5 | K I N S E L F T L T Y G S V V S Q L C R D Y N N Y Q E D V N Q Q L D R M G Y N I G | | | | |
| UniRef90_T1KC63 | K I S S D L F S L T Y G S V V F Q L I K D Y E N P E D V N K Q L E R I G Y N I G | | | | |
| UniRef90_G3BDP0 | K I N S E L F I L T Y G S V V S Q L C R D Y A Q V N K E L E E K M G Y N I G | | | | |
| UniRef90_M9MFU9 | K I N A E L F T L T Y G S L V I Q L I K D Y E D Y A E V N K Q L E E K M G Y N I G | | | | |
| UniRef90_R4XC32 | K V N A E L F V L T Y G S I V A Q L C N D C D E Y T E V N K Q L D R M G F N I G | | | | |
| UniRef90_M3X153 | M N T E L F V L T Y G A L V A Q L C K D Y E D E D I N K E L D N N M G Y N I G | | | | |
| UniRef90_C5PAZ6 | K V N A E L V T L T Y G T I V A Q L C N D D H D Y D E V N R Q L D K M G Y N I G | | | | |
| UniRef90_M2LVJ4 | K I N L E V V L T L T Y G T L V A Q L C R D L T D Y A A V N T E L D R M G Y A I G | | | | |
| UniRef90_N1PWF2 | K I N A E V V V T L T Y G T I V A Q L C R D L T D Y A A V N H E L D R M G Y N V G | | | | |
| UniRef90_E3KIT7 | K L I N A E F F A L S Y G S L V V Q L V K D Y E D Y S Q V N Q Q L D K M G Y N I G | | | | |
| UniRef90_S8GST6 | K V N S E L L L S L T Y G T L V T Q L L K D F E Q V D A I N V Q L D K M G Y N I G | | | | |
| UniRef90_UPI0003444407 | K M S S E L F T L T Y G A L V T Q L C K D Y E N D E D V N K Q L D K M G Y N I G | | | | |
| UniRef90_W1QKQ7 | K V N S E L F T L T Y G S I V A Q L C K D R D F N N Y E E V N A Q T Y K M G Y N I G | | | | |
| UniRef90_UPI0003F49EAF | K V N A E L F T L T Y G A L V V Q L I K D Y E D Y A E V N K Q L D K M G Y N I G | | | | |
| UniRef90_Q9P6P5 | K V N A E L F V L T Y G S I V A Q L C K D M N Y E E V N E R L L D Q M G Y N I G | | | | |
| UniRef90_G0VDG8 | K I N T E L F A L T Y G A M V T Q L I K D Y E D N D Y S L N E R L L F S M G Y N I G | | | | |
| UniRef90_A0A024G2B4 | K V N G E F F A L T Y G A M V T Q L I K D Y E D L K A V N Q Q L E T M G Y S I G | | | | |
| UniRef90_W7TW04 | K M N A E L F N L T Y G A M V M Q L I R D Y E D V Q A V N Q Q L E T M G Y S I G | | | | |
| UniRef90_H2AYQ1 | K I N S E L F T L T Y G T I V S Q L C Q D Y D R D E K I V N D E L Y K M G Y N I G | | | | |
| UniRef90_G4TPC2 | K I N A E L F T M A Y G S L V V Q L I Q D Y E D Y A E V N K Q L E E K M G Y N I G | | | | |
| UniRef90_F0YEM0 | K I N A E F F C L T Y G T M V V Q L M K D F E D V R E V N K K L E S M G H G I G | | | | |
| UniRef90_Q86K94 | K I N S E L F T L T Y G A L V T Q L I K D Y E D L E Q V N I K L E Q M G Y N I G | | | | |
| UniRef90_A3LUN1 | K I N S E L F T L T Y G S V V A Q L C R D F N N Y N E E V N N Q L D K M G Y N I G | | | | |
| UniRef90_H0VMD7 | K I N K D L L V L T Y G A L V A Q C E D H E K D E D V N K Y L D K M G Y G I G | | | | |
| UniRef90_C4QV63 | K I N S E L F T L T Y G S V V A Q L C R D Y N N D Y K V N E Q L E S M G Y N I G | | | | |
| UniRef90_L7LVK7 | | | | | |
| UniRef90_U6IP5 | R M N T E L F T L T Y G S L V A Q I V K D F E S D D A I N E Q L D T I G F N I G | | | | |
| UniRef90_F6URH0 | K I S R D L F V L T Y G A L V A Q L C K D F E K D E D I V N Q Y L D R M G Y S I G | | | | |
| UniRef90_R7Q6K9 | V S A E L L A L T Y G S F V R Q L V Q D Y E S P S D E V N A Q L E S I G Y N M G | | | | |
| UniRef90_C5JMK2 | K V N A E L V T L T Y G T I V A Q L C N D Y D S D Y E V N K Q L D K M G Y N I G | | | | |
| UniRef90_A8Q0V9 | K V N S E L F S L T Y G S L V V Q L I K D F E D Y Q V N I Q L D K M G Y N I G | | | | |
| UniRef90_U5H198 | K I N A E L F S L T Y G A L V V Q L I K D Y E D Y Q V N T Q L E R M G Y N I G | | | | |
| UniRef90_F2UT79 | R V N G E L F T M T Y G A L V A Q L L E D Y E S D D E V N K Q L D K M G Y N I G | | | | |
| UniRef90_I2GX78 | K V N A E I F T L T Y G S I V T Q L V D E L N D D Y H V N K Q L Y E M G Y N I G | | | | |
| UniRef90_M2WZZ6 | K V S A D L V A L T Y G S F V R E I I K D F E P D Q V N K Y L D A M G Y N I G | | | | |
| UniRef90_UPI0001DE7FBD | K V N A E F F A L T Y G A V V T Q L I K D F E D L K E V N S Q L E K M G Y N I G | | | | |
| UniRef90_T0R6E9 | K V N A E F F H L T Y G T I V A Q L C E E Y A D Y A R V N G E L F F Q I G Y N I G | | | | |
| UniRef90_J7S6F2 | K V N S E L L L T L T Y G S L V V Q L M K L E T N E T D V N K H L E R I G Y N M G | | | | |
| UniRef90_Q2F629 | K V N S E L F T L T Y G S L V A Q L C R D L N N Y A E V N A H L E E K M G Y N I G | | | | |
| UniRef90_W6MTK6 | K V N G E V F S L M Y G S L V A Q F V K D L D N A E L I N S K L E E K I G Y N I G | | | | |
| UniRef90_Q5CYM1 | V S A E L V A L T Y G A L V R Q L F L D Y Q A P E D V N E E Q L D K V G F N I G | | | | |
| UniRef90_M1V793 | K V N A E L F T L T Y G A L V A N I V R D F E T D T E V N E E Q L D K V G F N I G | | | | |
| UniRef90_Q5DAG3 | R V T S E L F T L T Y G A L V T Q M L K D F E D V A V N T Q L D E K M G Y K M G | | | | |
| UniRef90_D2W234 | K I N S E L F L A M T Y G S L V T Q M L K D F E D V A V N T Q L D E K M G Y K M G | | | | |
| UniRef90_N1JHC2 | K V N S E L V I L T Y G T I V A Q L C K D Y E N D Y E V N K Q L D D R M G Y N I G | | | | |
| UniRef90_U6M2T9 | K A N S E L L C L T Y G S L V S Q L L K D F E Q V E A V N A Q L E E K M G Y N I G | | | | |
| UniRef90_B6JXV2 | K V N A E L F V L T Y G S I V A Q L C K E M P Y D Q V N A E L E E K M G E N I G | | | | |
| UniRef90_A0A059LT19 | K V N A E I F T L T Y G S M V R Q L I A D Y E D V D E V N K Q L D D K M G Y N I G | | | | |
| UniRef90_Q4XQG1 | K V N S E L L S L T Y G A L V S Q L L K D F E I V D E V N D Q S K M G H R N I G | | | | |

| QUERY | 50 | 60 | 70 | 80 |
|------------------------|---|----|----|----|
| UniRef90_T2MJ43 | V R L I E D F V A K G N S G R C H D F R E T A D V I A K V A F K M Y L G I T P S | | | |
| UniRef90_B3S9Y0 | V R L I E D F V A R S N V G R C H D L K E T A D V I A K N G F K M F L G I T P Q | | | |
| UniRef90_UPI0003593FEC | V R L I E D F V A R N N I G R C H D F R D T A D I V I A K N G F K T F L G I T P N | | | |
| UniRef90_S2JY55 | Q R M I E D F V A R S G I G R C S E F R D T A E A V S K V G F K M F L G I T P T | | | |
| UniRef90_T1G6X9 | Q R I I E D F V A R S G I G R C T D F R E T A D I V I S K V A F K M F L G I T P V | | | |
| UniRef90_F4NW88 | M R L I D D Y L A K T A S G R C C T D L R D T A E A V I S K M G F K I F L G I S P T | | | |
| UniRef90_T1JCC7 | V R L I E D F V A R S G S G R C C Q D F R E T A D K I Q L A F R M F L G I N P S | | | |
| UniRef90_Q4SIV0 | V R L I I E D F V A R S N V G R C C Q D F R E T A D V I A K N A F K M Y L G I T P S | | | |
| UniRef90_H2Y868 | V R L I V E D F V M A R S N M G K C Q D L R E T A D V I A K L A F K M Y L G I V P T | | | |
| UniRef90_I1FWR8 | V R L I I E D F V L A R S E V G R C C Y D L R E T A D V I T K Q G F K T F L G I V P V | | | |
| UniRef90_C4WXG1 | V R M V E D F V L A R T N A G R C C Y D L R E T A D K I Q Y A F K M Y L G I T P A | | | |
| UniRef90_UPI00044075E8 | T R L I I E D F V L A R S N L G R C C A D F R E T G E V V S K V G F K S F L G I T P T | | | |
| UniRef90_B7QH45 | A R L I V D D F L A K A N I I T K C C D F R E T A D V I A K V G F K M F L G I V P T A T | | | |
| UniRef90_E9C9R4 | L R L I I E D F V L A R T N V G R C C H D F K D T S D K L Q M A F K M Y L G I V P T | | | |
| UniRef90_M2QXL2 | I R L I I E D F V L A K S S A P A C T N F R E V V A E M I S K V G F K I F L G I N P T | | | |
| UniRef90_UPI000441432B | T R L I I E D F V L A R S N L G R C C A D F R E T A D V I S K V G F K S F L G I N P T S | | | |
| UniRef90_A9STP5 | A R L V D D F L A K A N I I T K C C D F R E T A D V I A K V G F K M F L G I N P T | | | |
| UniRef90_M7NS17 | V R L I I E D F V L A R T S T A R C T D M R D T A E K I Q S A F K M Y L G I V P T | | | |
| UniRef90_E9H4K9 | V R L I I E D F V L A K S N M Q K C C A N F R D T A D V I S K V G F K M F L G I V P T | | | |
| UniRef90_G1XR36 | L R L I I E D F V L A K S N M Q K C C A D F R E T G E V V I S K V G F K M F L G I V P T | | | |
| UniRef90_UPI000440ED7F | T R L I I E D F V L A R S N I G R C C S D F R E T G E V V I S K V G F K S F L G I N P T N | | | |
| UniRef90_M2RGY3 | T R L I I E D F V L A R A A L G R C C A D F R E V V G E V V I S K V G F K A F K M F L G I N P T | | | |
| UniRef90_C1B18 | V R L I I E D F V L A R T N S P R C C V D L R D T A E K I Q S A F K M Y L G I N P T | | | |
| UniRef90_UPI00026575E3 | Q R L I I E D F V L A R T N S P R C C V D L R D T A E K I Q S A F K M Y L G I N P T S | | | |
| UniRef90_V2X627 | T R L I I E D F V L A K S G L G R C C S D F R E V V G E V V V S K V G F K S F L G I N P T S | | | |
| UniRef90_K5UYD2 | T R L I I E D F V L A K S N L G R C C S D F R E V V G E V V V S K V G F K M F L G I N P T S P A | | | |
| UniRef90_K3WM83 | I R L I I E D F V L A K S G V V S N C C H Q D F K E T A E V I A K I A F K M F L G I V N A E | | | |
| UniRef90_Q6CCJ8 | L R L I I E D F V L E D Y F A K T N T G R C C H N F K D T A E A V I S K V G F K I F L G I N T T P A | | | |
| UniRef90_X8JFP9 | T R L I I E D F V L A R S S L G R C C S D F R E V V G E V V V A K V G F K T F L G I V P T | | | |
| UniRef90_UPI0003C375FB | M R L I I E D F V L A R T S A T R C C L E M R E T A D R I Q H A F R I Y L V Q P T | | | |
| UniRef90_V5GBT0 | I R L I I E D F V L T K T G T R C C L D L K D T A D K I Q T A F R M Y L V Q P N | | | |
| UniRef90_I6NDT6 | V R L I I E D F V I A R S A L P R C C D N M V Q T S E V I S K V A F K V F L G I N T P H | | | |
| UniRef90_UPI0004561315 | T R L I I E D F V I A R T N M T R C C S D F K E V G E V V V S K V G F K M F L G I N T P B | | | |
| UniRef90_D8LQV4 | V R L I I D E F V L A K A G V S P C T D L K E T A D V V A K V A F K M F L G I V T A D | | | |
| UniRef90_A7TQ02 | V R L I I D E F V L A R T A L P R C C D M I R T S E V I S K V A F K I F L G I N T P Q | | | |
| UniRef90_B0CSU6 | V R L I I E D F V L A K S G M G R C C A D F R E V V G E V V V S K V G F K S F L G I N T P T | | | |
| UniRef90_L1JCD7 | T R L I I E D F V L A K S N V G Q C C S D F R E T A E V L A K V G F K M F L G I V T G N | | | |
| UniRef90_G7E2V1 | T R L I V E D F V L A R T A I G R C C Q D F R E V V G E T L A K V G F K A F L L G I V P N | | | |
| UniRef90_A0A024J9K7 | L R L I I E D F V L A K S G S R R C C T N F K E T A E V I S K V G F K M F L G I N T P A | | | |
| UniRef90_E1ZNY8 | Q R L I I E D F V L E D Y F L A K S K T Q R C C S D F R E T A D R I A K V G F K M F L G I N T T A T | | | |
| UniRef90_G1KP89 | I R L I V E D F V L A R S A V K K C C R S Y S E T E I I A Q V V A F K M Y L G I V T P T | | | |
| UniRef90_Q6BQA5 | L R L I I E D F V V A K T G A Q R C C Q T F K E T A E L I S K V G F K I F L G I N Q P V | | | |
| UniRef90_T1KC63 | L R L I I E D F V L A K T N T P R C C C F D F K D V A D K I Q S A F R M Y L G I V T P S | | | |
| UniRef90_G3BDP0 | L R L I I E D F V L A K T G I S R C C Q T F K E T A D V I S K V G F K I F L G I N T P V | | | |
| UniRef90_M9MFU9 | T R L I I E D F V L A R T N L S K C C S D F R E V V G E V V V S K V G F K M F L G I N T P V | | | |
| UniRef90_R4XC32 | V R L I I E D F V L A R T G Q G K C C R D F R E T A D V V L S K V G F K I F L G I N T P T | | | |
| UniRef90_M3XI53 | V R L I I E D F V L A H S D V R R C C H S F Y E T V D V I S K V A F K M Y L G I V V P N | | | |
| UniRef90_C5PAZ6 | M R L I I E D F V L A K S S V G R C C S N F K E T A D M I S K V A F K M Y L G I N T P T | | | |
| UniRef90_M2LVJ4 | L R L I I E D F V L A R T N S G T C C S N F R E T A E V I A R V G F K V F M N I T P T | | | |
| UniRef90_N1PWF2 | L R L I V E D F V L A K S N T G T C C S N F R E T A E V I I S K V G F K I F M N I T P L | | | |
| UniRef90_E3KIT7 | T R L I I E D L R A R S S L P R C C S D F R E V V G E V V V S K V A F K M F L G I G Y S P H | | | |
| UniRef90_S8GST6 | V R L I I E D F V L A K T G M G G C C D C H F R Q T A E V I A K L G R M F L G I V A A E | | | |
| UniRef90_UPI0003444407 | V R L I I E D F V L A R S N V G R C C H D F R E T A D V I A K V A F K M Y L G I T P S | | | |
| UniRef90_W1QKQ7 | V R L I I D E F V L Q K T Q L S R C C S S F R D T A E I V I S K V G F K M F L G I N V P N | | | |
| UniRef90_UPI0003F49EAF | T R L I I E D F V L A R T G L G R C C A T F A E T A E V I I S K V A F R T F L N I S P N | | | |
| UniRef90_Q9P6P5 | I R L I I E D F V L A K T E W P R C C E D M V R T S E V I A K V G F K V F M N I T P S P I | | | |
| UniRef90_G0VDG8 | V R L I I E D F V L A R T A L P R C C E D M V R T S E V I S K V A F K M F L G I T T E | | | |
| UniRef90_A0A024G2B4 | I R L I I D E F V L A K S G V T S C C T D F K E T A D V I S K V A F K M F L G I V T P H | | | |
| UniRef90_W7TW04 | Q K L I V D E F V L A K S G V G N C C A N F R E V V A E T L A K V G F K M F L G I V V V E | | | |
| UniRef90_H2AYQ1 | V R I I I E D F V L A R T A L P R C C T D F N T S E V I S K V A F K V F M N I L T P | | | |
| UniRef90_G4TPC2 | T R L I I E D F V L A R S S L G R C C A D F R E V V G E V V V A K V G F K S F L G I V T P S | | | |
| UniRef90_F0YEM0 | M R L I I D E F V L A K S G I N N C C H D F S E T C D V I A K V A F K M F L G I V G V D | | | |
| UniRef90_Q86K94 | I R L I I E D F V L A K S G I V G R C C S D F I E T A E V I A K V G F K M F L G I V N A H | | | |
| UniRef90_A3LUN1 | L R L I I E D F V L A K T G V R R C C S T F R E T A E I I S K V G F K I F M N I T P T | | | |
| UniRef90_H0VMWD7 | L R L I V E D F V L A R S C V R C C H N Y S E I T H T I E V I A E V A F K M Y L G I V T P S | | | |
| UniRef90_C4QV63 | T R L I V E D F V L A K T N F G R C C I N F K E T A E I I S K V G F K M F L N I T T P T | | | |
| UniRef90_L7LVK7 | Q R L I I E D F V L A K T N F G R C C I N F K E T A E I I S K V G F K M Y L G I S P S | | | |
| UniRef90_U6IP5 | E K L A E D F V A K G N S G R C H D F K E T A T Q L V N G F K L F G I S P T | | | |
| UniRef90_F6URH0 | V R L V D D F L A R S C V R R C C H D C R S Y S E V A D L I A Q V V A F K M Y L G I T P S | | | |
| UniRef90_R7Q6K9 | V R L V D D F L A K S N I S H C C S L A K T A E V I A K V A F K M F L G I V S A T | | | |
| UniRef90_C5JMK2 | M R L I I E D F V L A K S D T G P L C H D F K E T A I T A L L Q V G F K I F L G I N T P T | | | |
| UniRef90_A8Q0V9 | T R L I I E D F V L A R T N L P R C C T D I R E M A E V V S K V G F K M F L G I N T P A | | | |
| UniRef90_U5H198 | V R L I I E D F V L A R T G L T R C C R D F S E T G E V V S K V A F R S L L S I T P T | | | |
| UniRef90_F2UT79 | V R M V D D F I A N T N T E R C C G S F K E T C T T L A K E G F R M F L G V T A T | | | |
| UniRef90_I2GX78 | I R L I I E D F V L A R T A L P R C C E D M L K C H C S E V I S K C A F K I F L D I V P K | | | |
| UniRef90_M2WZZ6 | I R L I I E D F V L A K S G I S K K C C S S F E E S A G I S R V A F K M Y L G I R A T | | | |
| UniRef90_UPI0001DE7FB | I R L I I E D F V L A N T G I V K K C C S S F E E S A G I S R V A F K M Y L G I N V D | | | |
| UniRef90_T0R6E9 | I R L I I E D F V L A K S G V A C A D F K E T A D V V I A K V A F K M F L G I T P E | | | |
| UniRef90_J7S6F2 | V R L I I E D F V L A R T A L P R C C D T F L K T S E V V I S K C A F K I F L G I N T P E | | | |
| UniRef90_Q2F629 | V R L I I E D F V L A R T T S T R C C L E M R E T A D K I Q Q A F K L Y S M Q P T | | | |
| UniRef90_W6MTK6 | L R L I V E F F V A Q T N L G R C C F R E T A E V V I A K V G F K M F L G I V V P Q | | | |
| UniRef90_Q5CYM1 | I R L I V E F F L A K S G I S K C C D S F R D T A E V V I A C V V G F K M F L G I T A E | | | |
| UniRef90_M1V793 | L R L V D D F L A R S A A P P C C R S F Q A T A E L V I A R V V A F R M Y L G I V S A R | | | |
| UniRef90_Q5DAG3 | L R L V D D F L A R G N S G R C C N D F K E T A E A I V K G F K L F L G I T P T | | | |
| UniRef90_D2W234 | M R L I I E D F V L M S K S G L G S C R E F K D T A E S I A K V A F K M F L G I V V A N | | | |
| UniRef90_N1JHC2 | L R L I I E D Y L A K S N M K R C C A D F K E T A E M I A K A R R H F F S Y | | | |
| UniRef90_U6M2T9 | V R L I V E D F V L A K A N I G A C C E S F R E T A E V V I A K L G R M F L G I V S G E | | | |
| UniRef90_B6JX2V | V R L I I E D F V L A K T E C E R C C Q D F R E T A E T I S K I G F K M F L N Y M P V | | | |
| UniRef90_AOA059LT19 | Q R L I V E D F V L A R S R L A R G C G S Y R E V V A E R I A R Q G F S M F L T T A S | | | |
| UniRef90_Q4XQG1 | V R L I V E F F L A K S E I S F C C E D F E E T M E V I A K V A F K M F L G I T G T | | | |

90 100 110 120

| QUERY | UniRef90_T2MJ43 | UniRef90_B3S9Y0 | UniRef90_UPI0003593FEC | |
|------------------------|---------------------------|-----------------------|------------------------|-----------------------------------|
| | I T N W S P A G D E F S | S L I L E N N P | L V D F V E L | P D N H S S L I Y S N I L L C |
| UniRef90_T1G6X9 | V T S W N A M G D E F S | S L I F D S N P | L A E F V E L | P D G H S S N L W Y S S I L L A |
| UniRef90_F4NWB8 | V T N W S T D G K E F S | S L I L D N N P | L T E F V E L | P E N H S S N L S F S S N I L C |
| UniRef90_T1JCC7 | V T N W S P A D K E F S | S L I L D N N P | L T E F V E L | P D N H S Q L N Y S N I I L C |
| UniRef90_Q4SIV0 | V T N W S P A G D E F S | S L I L I D N N P | L V D F V E L | P D T H Y A L K Y C N M L C |
| UniRef90_H2Y868 | V A N W S P A N D E F S | S L I L I E N N P | L A E F V E L | P E N H T N L V Y S N I L L C |
| UniRef90_11FWR8 | I A N W S P K G D E F S | S L I L I E S N P | L V D F V E L | P D D H P N L L Y S N I I L C |
| UniRef90_C4WXG1 | L T N W S A A G D E F S | S L T F D E N P | L T D F V E L | P D D N Y Q N L K Y S N I I L C |
| UniRef90_UPI00044075E8 | V T N A S S P G T F F T | S L T F D E N P | L A E F V E L | P E E H G G L W Y S N V L L C |
| UniRef90_B7QH45 | I T N W S P A G D E F S | F I L E S N P | L T E F V E L | P D S H S S L K Y C N I I L P |
| UniRef90_E9C9R4 | V T G W D A E G R E F S | S L M F D E N P | L T E F V E L | P E S H K Q L R Y S N I I L C |
| UniRef90_M2QXL2 | I T N W S S D N K Q F S | S L I F E E N P | L A D F V E L | P D D Q D E L W F S N I L L V |
| UniRef90_UPI000441432B | V T H S T P S S R W F T | S L T F D E N P | L A E F V E L | P D D A G G G L W Y S N V L L C |
| UniRef90_A9STP5 | V A N W S S D N M E C | S L I L D D N P | L V D F V E L | P E T C Q G L S Y C N I I L C |
| UniRef90_M7NS17 | V T N F S P D N K Q F S | S L I F D E N P | S D F V E L | P D D Q D E L W Y S N I I L C |
| UniRef90_E9H4K9 | V T S W S S A S D E F S | S L L F D E N P | M T E F V E L | P E S C L S L K Y C N L F C |
| UniRef90_G1XR36 | I A N W S S D N K Q F S | S L L F D E N P | L A D F V E L | P D D Q S E L W Y S N M L C |
| UniRef90_UPI000440ED7F | V T H A A T P L T S F S | S L T F D E N P | L A E F V E L | P D E A G G G L W F S N V L L C |
| UniRef90_M2RGY3 | V T H A A P A G A S F T | S L T L D E N P | L A E F V E L | P E E A S S G L W Y S N V L L C |
| UniRef90_C1BR18 | V T S W S A T S D E F S | S L I F D T P | L A E F V E L | P D D H C Y N L R Y A N I I L A |
| UniRef90_UPI00026575E3 | I T N W S T S G D E F S | S L I F D S N P | T E F V E L | P D T H N T L K Y C S I I I P |
| UniRef90_V2X627 | I S H S T T S G S F F T | S L T F D E N P | L A E F V E L | P D E A G G G L W F S N V L L C |
| UniRef90_K5UYD2 | V T H Q A T S S T S F | S L T F D E N P | T E F V E L | P P E E A G G G L W F S N V L L C |
| UniRef90_K3WM83 | V A H W N A E N N A C | S L L I Y E N P | L T E F V E L | P P S Y G V L W Y S N V L L C |
| UniRef90_Q6CCJ8 | I A N W A Q D G K Q F | S L L I F E E N P | L S D F V E L | P D D Y K E L W Y S N V L L A |
| UniRef90_X8JFP9 | V V H S T T S A P T F N | S L L I D E N P | L A D F V E L | P D E A G E L W F S N V L L C |
| UniRef90_UPI0003C375FB | I T N W S P A S D E F S | S L Q F E T N P | L T E F V E L | P P D P L T N L R Y S S I I I S |
| UniRef90_V5GBT0 | V A N W S A A G D E F S | F I L D T N P | L T D L V E L | P D D L K S L K Y C N I I I C |
| UniRef90_I6NDT6 | V T N W S S A K D A F S | S L L I D E N P | S D F V E L | P M D M K E L W Y S N I I L C |
| UniRef90_UPI0004561315 | V A H A S Q A G Q E F S | S L T F D E N P | L A E F V Q L | P D D A G G G L W F S N V L L A |
| UniRef90_D8LQV4 | V S S W N G D G T A F S | S L L L I Y D N P | L I E F V E L | P P Q Y S G L L Y S N L L L C |
| UniRef90_A7TQ02 | V T N W S P S N D A F S | S L L I L E N P | S E F V E L | P M D A K Q L W Y S N I I L C |
| UniRef90_B0CSU6 | V T H Q A G T E T S F | S L T L E D N P | L A E F V E L | P P E E V G G L W F S N V L L C |
| UniRef90_L1JCD7 | I S S W N Q E D T E F S | S L L L D D N P | V D F V E L | P D D L K E L K Y C N I I L C |
| UniRef90_G7E2V1 | I S H H N N P D L R E F A | L T F D E N P | L A E F V E L | P D D A E G L W F S N V L L C |
| UniRef90_A0A24J9K7 | V E N W T A D G K Q F S | S L L L D E N P | L A E F V E L | P D D M R E L W Y S N I I L A |
| UniRef90_E1ZNY8 | V A N W A E G T E C | S L L I L E D N P | T D F V E L | P E Q L G A L K Y S N L L L C |
| UniRef90_G1KP89 | V T C N S P A R N E F S | S L L I E K N P | M D F V E L | P A G R S S L C Y C S I I I C |
| UniRef90_Q6BQA5 | V T N W S Q D G K S F S | S L L I L V D N P | L A E F V E L | P K I N K E L W Y S Q I I I P |
| UniRef90_T1KC63 | I T N W S Q G N D E F S | S L L I L D A N P | L A E F V E L | P D H L V N L R Y S N I I L P |
| UniRef90_G3BDP0 | I A N W S P D G K A F S | S L L I L E N P | T E F V Q L | P G M A K E L W Y S N V L L C |
| UniRef90_M9MFU9 | V V H H Q G G G A R E F S | S L L I D E N P | L A E F V E L | P Q D A G G G L W F S N V L L A |
| UniRef90_R4XC32 | V T N W S A D N K S F S | S L I L D E N P | L A D F V E L | P D D S E D L W Y S N V L L C |
| UniRef90_M3X153 | V I C K D P A G D E Y S | S L L I L E R N P | V N F L E L | P D D N H S S L W Y S N I I L C |
| UniRef90_C5PAZ6 | V T N W T S D N K Q F S | S L V F D E N P | L A D F V E L | P D D Q D E L W Y S N I I L C |
| UniRef90_M2LVJ4 | V T G W S P D G R S C | S L V F E E M P | L A D F V E L | P D D Q D E L W F G N I I L C |
| UniRef90_N1PWF2 | V T N W N Q E N K A F S | S L V F E E N P | S D F V E L | P P D D Q D E L W F S N I I L C |
| UniRef90_E3KIT7 | V S H N T S G L R E F T | L S F D E N V | L A E F V E L | P E D A G G G L W Y S Q I I L C |
| UniRef90_S8GST6 | V T N W D A D G T T C S | L I L H E N P | L A D F V E L | P P S S L S Q L S Y S N L I L C |
| UniRef90_UPI0003444407 | V I T N W S P A G D E F S | S L L I L V D N P | V D F V E L | P P D N H S S L I Y S N L I L C |
| UniRef90_W1QKQ7 | I T N W T S D M T T F S | S L L I L T E N P | L A D F V E L | P D D V K E L W Y S N I I L C |
| UniRef90_UPI0003F49EAF | P T S N L P P P T E F | I L T F D E N P | L A E F A E L | P R D A G G G L W F S N V L L G |
| UniRef90_Q9P6P5 | I S S V N S D G N T F V | L T L D D N P | L A E F V E L | P P A D A R Q L W Y S N I I L C |
| UniRef90_G0VDG8 | V T N W S N N K D S F S | S L I I E D N P | S E F V E L | P P M M A K Q I W Y S N V L L C |
| UniRef90_A0A024G2B4 | V S N W N S E N S V C | S L L I I H D N P | T E F V E L | P P S Y G E L W Y S N I I L C |
| UniRef90_W7TW04 | V T A W N A E G T A F S | S L L I I Q V Y D N P | L A D F V E L | P P P Q Y S G L V Y S N I I L C |
| UniRef90_H2AYQ1 | I A N W S Q S N D A F S | S L L I I S D N P | L S D F V E L | P P I D M K S L W Y S N V L Y C |
| UniRef90_G4TPC2 | V V H H S A P G A F F | V L T L D E N P | L A E F V E L | P P E S A G G G L W Y S N I I L C |
| UniRef90_F0YEM0 | V A N W N A D K T A C | S L L I I Y D N P | N D F V E L | P P N T N L L Y S N I I L C |
| UniRef90_Q86K94 | V G D W D A N R K E F | H L T I E D N P | I D F V E L | P P D Q Y K H L Y Y S N I I L C |
| UniRef90_A3LUN1 | I E N W S S D G K S C | S L L I I E P N | T E F V E L | P P K I N K E L W Y S Q I I L C |
| UniRef90_H0VMMD7 | V T C N N S S K N A F S | S L L I I L D K N P | S E F V E L | P P A G R S S L C Y C N L L C |
| UniRef90_C4QV63 | V D N F S A D G K Q F N | S L L I I L E D N P | L A E F V E L | P P D D N K E L W Y S N V L V |
| UniRef90_L7LVK7 | I T N W S P A G D E F S | S L L I I L E S N P | T E F V E L | P P E S H H V N L K Y S N I I I P |
| UniRef90_L7LVK7 | I T N W S P A G D E F S | S L L I I L E S N P | T E F V E L | P P E S H H V N L K Y S N I I I P |
| UniRef90_U6IP5 | V T K L P S P G D E F S | S L L I I L D S N P | T E F V D L | P P A D H P K L L Y S N V I I A |
| UniRef90_F6URH0 | V T C S S P T A N E F S | S L L I I L D K N P | S D I V E L | P P A G R S S L C Y C S I I I C |
| UniRef90_R7Q6K9 | V G V W S Q D K K T F G | I V F D D N P | A E F A E L | P P E E C A G G L W Y S N V L L C |
| UniRef90_C5JMK2 | I T N W T S D N K S F S | S L I I I F E E N P | L A D F V E L | P P D D Q D E L W F S N I I L C |
| UniRef90_A8Q0V9 | V S E G K S T S Q E F | V L Q L A E N P | L A E F V E L | P P E E H G G G L W Y S N V L L T |
| UniRef90_U5H198 | L V H H A N Q Q P S F S | L I F D E N P | T D F V E L | P P D E E A G G G L D Y A K V L E |
| UniRef90_F2UT79 | I S N W T A D D K E C | T I L D D N P | V A F V E L | P P D E H R E L N Y C N M Y C |
| UniRef90_I2GX78 | V S S W S N D K K S F S | S L L I I E D N P | S Q F V E I | P P R N K D S L W Y S N I I L C |
| UniRef90_M2WZZ6 | V S N W N S S E H N S C | S L L I I F E D N P | L A E F Y T H | P P E Y T H F Y S N L L L C |
| UniRef90_UPI0001DE7FBD | M I G G N D G G N G F S | S L I D T N P | D D Y V E L | P P S G R S S L S Y C N L L S |
| UniRef90_T0R6E9 | V A P T D M P N V C | S L V L Y E N P | F S E F V E L | P P P Q H G V L A Y S N I I L C |
| UniRef90_J7S6F2 | V A H W N A A R D S F | D L V F G E N P | L A E H V E L | P P P G A G Q L W F S N V L L C |
| UniRef90_Q2F629 | V T S W S S A G D E F S | V W H C P L | S E W V E M | P P M S N N G L K Y C A L L I P |
| UniRef90_W6MTK6 | V V G V D E K Q F S V | S L D E N P | L A E F V E L | P P D D F K E L W Y S N V L V |
| UniRef90_Q5CYM1 | T K D W N P E E T S C | V L V F N E N P | L A D F V E L | P P P C Y S S L N Y S N I I M V C |
| UniRef90_M1V793 | P A N F A A D N T A Y S | S I L F D T N P | L A E F V E V | P P P D A A N T L W Y S N I I F C |
| UniRef90_Q5DAG3 | I C K F S S A G D E F S | S L V L E N N P | T E F V D L | P P N E H Q N L L Y S N V L L A |
| UniRef90_D2W234 | I T N W S K D Q S E Y S | V L F D E N P | N D F V E L | P P P D D Q D E L W Y S N I I L C |
| UniRef90_N1JHC2 | V V A T G R D D R S F S | S L I H A N P | L A D F V D L | P P P H S S S S L C Y S N L I L C |
| UniRef90_U6M2T9 | V I T S W S E D G K T F | V L N D E N P | L A E F V E L | P P L E A R G L W Y S N I I Y S |
| UniRef90_B6JXV2 | I T S D W N A D G T E C | V L V L E D N P | T D F V E L | P P P E Q L S R L S Y S N L L L C |
| UniRef90_A0A059LT19 | V T D W N A D G T E C | V F H E N P | C D F V E L | P P K S L L S S L N Y C N L F C |
| UniRef90_Q4XQG1 | V T C V N K E S N I Y S | I V F H E N P | C D F V E L | P P K S L L S S L N Y C N L F C |

| QUERY | 130 | 140 | 150 |
|-----------------------|---|-----|-----|
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| UniRef90_F4NWB8 | G A M R G A L E E M V M V Q L D V S V W F V V Q D Q L K G D N T E I R L K F I V K Y L | | |
| UniRef90_T1JCC7 | G V I R G A L E E M V Q M E V A V R F F V V Q D Q L K G D N T T E L R I K F I I R R L | | |
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| UniRef90_I1FWR8 | G V I R G A L E E M V Q L D V E V W F V V Q D T L K G D D D T A E I R V F K F K K L L | | |
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| UniRef90_A9STP5 | G V L R G A L E E M V S M R T E V K F F V V K D M L R G D D A F E I R L K L L E H V | | |
| UniRef90_M7NS17 | G V L K G A L E E M I Q L Q V E A H F F V V S D V L R G N D H T E M R V V L I K V I | | |
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| UniRef90_M2RGY3 | G V L R G A L E E M V Q M Q V Q A A F V V S D V L R G D E A T E I R V T L V K Y L | | |
| UniRef90_C1BR18 | G A L R G A L E E M V H I E I A C W F I V Q D T L K G D N I T E L R V K F I R R K I | | |
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| UniRef90_V2X627 | G V I R G A L E E M V Q M Q V K A E F L S D V L R G D E S T E M R V R T L L I K Q L | | |
| UniRef90_K5UYD2 | G V I R G A L E E M V Q M Q V Q A T F T S D V L R G D E S T E I R V T L V K Y Y L | | |
| UniRef90_K3WM83 | G V L R G A L E E M V Q M R V E A R F F V V K D V L R G D D V S E I R L E L K G M I | | |
| UniRef90_Q6CCJ8 | G V I R G S L E E M V Q M E V E A F F V V S D N L R G D D D T T E L R V R L V K I L | | |
| UniRef90_X8JFP9 | G V L R G A L E E M V Q M Q V E A T F V V S D V L R G D E A T E I R V Q A S F | | |
| UniRef90_UP1003C375FB | G C R G A L E E M V Q L E V Q C W E V V Q D Q L K G D N V T E I R V K F I R R L | | |
| UniRef90_V5GBT0 | G A I R G A L E E M V Q L D V Q S W I V Q D Q L K G D Q N T E I R V K F I R R L | | |
| UniRef90_I6NDT6 | G V L K G A L E E M V Q L D C Q I W F V V S D V L R G D A H T E M K V K L N R I L | | |
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| UniRef90_B0CSU6 | G V I R G A L E E M V Q M Q V Q A E F I S D V L R G D E S T V I R V R L I K Y L | | |
| UniRef90_L1JCD7 | G V I R G A L E E M V N L R V E C E Y T K C T L W G D D C M E I R V R L L E E K L | | |
| UniRef90_G7E2V1 | G V I R G A L E E M L M Q Y V Q A T F T S D T L R G D D T T E M R V R Q V L L I L | | |
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| UniRef90_G1KP89 | G A R G A L E E M I H L D A E V T F I Q D A L K G D D V T E I R G I L M F L K K | | |
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| UniRef90_T1KC63 | G I I R G S L E E M V Q I E A K A W F M Q D Y L K G D A T T E L R I R K F V K K L | | |
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| UniRef90_N1PWF2 | G V I R G A L E E M V Q M Q V V E A H F T S D V L R G N D D T T E M R V V T L I R F I L | | |
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| UniRef90_S8GST6 | G V I R G A L E Q L Q M K V N C T F V R D M L K G D D C Y E I R L V E L I | | |
| UniRef90_UP100344407 | G V L R G A L E M V | | |
| UniRef90_W1QKQ7 | G V L R G A L E M V Q L D C E V G F I S D V L R G D E S T T E L R V R L V Q V L | | |
| UniRef90_UP1003F49EAF | G V I R G A L E M I Q L Q V I E T E F L S D V L R G D E S T E L L R V R L V Q V L | | |
| UniRef90_Q9P6P5 | G V I R G A L E M L Q M D V D A V F F L R D I L R G D E H T E I R V H K R I L | | |
| UniRef90_G0VDG8 | G V L K G A L E M V Q L D C D V W F V V A D I L K G D P Q T E L K I K L N K I L | | |
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| UniRef90_L7LVK7 | G V I R G A L E E M V Q T E V V V A C F F V V H D Q L K G D S T S | | |
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| UniRef90_U1NF03 | K A N S E L F A L T Y G S L V T E L V R D Y E D P I E V N A Q L D R I G H S I O G G | | | | |
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| UniRef90_J4C2K2 | K V N S E L F C L T Y G S M V S Q L V R D K E H S E D E V A N D H L M E M G M S I G G G | | | | |
| UniRef90_D8M290 | V S P E L V S L T F G A F V S Q I V R D Y E D E V E I N K Q L E L L G Y N I G G G | | | | |
| UniRef90_L0AXG6 | K I N S E L F A L T Y G S M V S Q L I R D H E D T E T V N S Q L V E L G K N I G G G | | | | |
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| UniRef90_C1MS22 | K V N A E L F T L T Y G A I V R Q V L A D Y E D V P E A N A A K L D A M G R S I G G G | | | | |
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| UniRef90_A9VBF9 | | | D R M G F N I G G G | | |
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| UniRef90_X2C459 | K V S A E F F A L T Y G A L V Q Q M A E E L D D D V E L V N Q Q L Y N M G H R I G G G | | | | |
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| UniRef90_H3FD99 | R M S G E L F S L T Y G A L V A D M L K D Y D D V N Q V N T Q L D K M G W N M M G G | | | | |
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| UniRef90_P34605 | K M S A E L F C L T Y G A M V T E M L K D Y E D P K D V T I Q L D K M G F N M M G G | | | | |
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| UniRef90_Q5A0J4 | | | M G Y N I G G G | | |
| UniRef90_A4S1Q7 | K V N A E L F A L T H G A F V R Q I L R D H E D D D V E A N A A L E R V G R A M G | | | | |
| UniRef90UPI0004405A3C | K I N K D L F V L T Y G V L V A Q L C K D Y E K D E D V N K X L D T M A L L I P M G Y N I G G G | | | | |
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| UniRef90_B7G9P1 | K A N A E L F A L T Y G A L V A E L V R D L E T N D K I Q A E L D R M G H S M G M G Y N I G G G | | | | |
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90 100 110 120

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| UniRef90_UPI00038E9BE4 | V T C C N N S S K N E F S L I L D K N P L S E F V E L P A G R S S L C Y C N L C | |
| UniRef90_C1FGH0 | V G E W N P E G T E C V I T L D T N P L A E F V E L P E E C S K L E Y S G L L C | |
| UniRef90_R1BH70 | V A A A T S S E F F R L L L S E N P P L A D F V I L P Q H Q K L W Y S N V L C | |
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| UniRef90_J4C2K2 | V V D V D P E N N V Y N I S F Q E N P P L D Q F V E L P P E T L K D L N Y S N I I F C | |
| UniRef90_D8M290 | V D N W N E D E Q S C I L K F V S N P P L S N F V E L P E E F S K L Q Y N A V Y C | |
| UniRef90_L0AXG6 | V V T V N E R E N I H N I K F Q E N P P L D Q F V E L P D S L C K L N Y S G I Y C | |
| UniRef90_A8J304 | V T N W S P D Q T E C S I L V L T D N P P L A D F V E L P D E Y R E L R Y C N V L A | |
| UniRef90_C1MS22 | C A D W N A D H T S C I L V V M E T N P P L A D F V E L P E R Y R D L S Y G Q M L C | |
| UniRef90_D8PVM2 | I A H Q P T S G A S F T L T L D D N P P L A E F V E L P D D D A G G L W F S N V L C | |
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| UniRef90_A7AQG4 | V I V I D E A T N H Y H I A F H E N P P L D Q F V E L P E N L S N A Y S N I I C | |
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| UniRef90_D8U7N8 | V A N W S P D Q T E C S I I I P E N P P L A D F V E L P E E Y R D L K Y C N V L A | |
| UniRef90_Q5A0J4 | V I E N W S N D G K S F S C I I I P E N P P L T E F V E L P K I A K E L W Y S Q I I L C | |
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| UniRef90_E5SI08 | V S N W S P G M D E F S I L F E A N P P L A E F V E L P E D H K N L Q Y S Q A I L C | |
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| UniRef90_I7I8M3 | S E V V D E E K N L Y H I T F E D N P P L E M F I E M S D S L G D L E Y S N V I C | |
| UniRef90_S9UAT1 | L S P V K D S A D T F S I K F Q D N P P L N L F V E L P E G R E K L W Y S N V L C | |
| UniRef90UPI0003EBD804 | V T C C N N S S R N E F S L I I D D | |
| UniRef90_X6NME0 | I R K S T P T N C Y I L E I P N N P P L N D F V E L P S Q F K N L I Y S N I I L C | |
| UniRef90_B0EB79 | C Y E V N E K Q W K I S I P L S E C V E L P E E K L K N L W Y S N I I Y C | |
| UniRef90_F7W5L9 | I T N W T S D N Q K F S L I F D E N P P L A D F V E L P D D Q D E L W F S N I I L C | |
| UniRef90_Q229D2 | L Q E L K A D D I S F N I E L N E N P P L T D F V E I P E H L A G L S Y N N I I C | |
| UniRef90_D2DSN8 | I G S W N P G G D E F S V V L E T N P P L A E F V E L P D H C L G L R Y | |
| UniRef90_L1JUW7 | S L E R V T D K E D E Y M I H E K D P L V N Y I S V P K E Y G H N C A A F V A | |
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| UniRef90_A8N279 | A I E K S V E N A D E Y M I I D N D P I I I E H I S V P R D L L S Q L S C S S F T A | |
| UniRef90_C5LHW2 | C V D W S T E G R K C R L V L P V N N P P L N D F V E L P P M E L L R R L Y Y S N I I L C | |
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| UniRef90_X8IVR3 | G I E E K S V E K E D E Y M I I D D P P I T R Y I S V P P K D M D Q L S C S A L T A | |
| UniRef90_K3XAK0 | A L E R S T E N E D E Y M I H E L E P L T N F I S V P P D D L G Q L D C A A Y I A | |
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| UniRef90_J0WPF2 | V T H S T P S S R W F T L T F D E N P P L A E F V E L P D D A G G L W Y S N V L C | |
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| UniRef90UPI000455E0A9 | A I E K S V E N P D E Y M I I V D D P P I E R H I S V P R D M S T L S C S S F A A | |
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| UniRef90_W7TEN4 | S L E E R S T E N E D E Y M I H E R E P I T N F V S A P A D I S Q L N C A A Y I A | |
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UniRef90_G8YS93
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UniRef90_G3AXG1
UniRef90_UPI0000203F26
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UniRef90_I0YR72
UniRef90_W7TEN4
UniRef90_M1CUB4
UniRef90_A5DI63
UniRef90_G4NEY8

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| UniRef90_C4Y011 | E S L S A L S F L F C E I V N W A H S K S K G I Q D L E N R L N G L G Y Q V G |
| UniRef90_G1WYZ0 | E L S K S A F A F L F G E M V Q Y A Q K K V Y G V Q D L E K K L N L H G Y A V G |
| UniRef90_M7PDJ0 | E I S Q A F S F L F G E I V R Y T Q K R V Q G I Y E L E K K L N I Q G Y R V G |
| UniRef90_K0KLU0 | E V N L S S L S F L F S A M I E Q T Q Q T S K G V Q Q L E A K L N S Y G Y G V |
| UniRef90_B5Y485 | E V S L S M F S Y L Y S E I V Q Y H Q N R V D S I S E L E R K L E A T G Y G V G |
| UniRef90_G4TBB1 | E V S L S A A F T F L F S E M I Q Y T Q K R V N G V A D F E R K L N T L G Y R M G |
| UniRef90_A5E6K8 | E I S L S S L S F L F C E I I V S W A H Q S K G I Q D L E N R L N G L G Y Q I G |
| UniRef90_B9WN38 | E I N L S S L S F L F C E I I S W A H S N S K G I Q D L E N R L N G L G Y Q I G |
| UniRef90_UPI000273922F | K M S F Q L F T L I H K A L V T Q L C K E Y K K R L R W K Q T T E K K G Y N S D |
| UniRef90_A2FQV8 | V N V E L F S L T Y G S L V R S I V A E T N N I S D A N N K L S K L G V N I G |
| UniRef90_J3NH19 | E L S Q A S F A Y L F A E M V T Y A Q R R I T N I Q D L E K R L N M Q G H P I G |
| UniRef90_11CSC5 | E V S L S A F A F L F S E I V Q Y H R T R A S S I A E L E R R L E D A G T G V |
| UniRef90_C1E3Y1 | E L S K A S F A F L F G E M V Q Y A Q K R V N G I A D L E K K L N L H G Y S I G |
| UniRef90_D5GMV6 | E V S L S A F A H L F S E I V Q Y Q S T R I Q T A A D L E C R L E E C G H S V |
| UniRef90_F0YNA2 | E V S L S S F A F L F S E M V Q Y C Q N R V H T V P E L Q Q K L S S D L G Q H V |
| UniRef90_C3Z0P3 | E I N L S T F A L L F S E M V Q Y C Q N R V Y S V S E L Q A K L S S E L G Q Q V |
| UniRef90_R7UIT4 | E V S L S A F A L L F S E I V Q Y C Q N R V Y S V S E L Q A K L S S E L G Q Q V |
| UniRef90_Q6DFT9 | E V S L S A F A F L F S E I V Q Y C Q N R V Y S V S E L Q A K L S S E L G Q Q V |
| UniRef90_V7D1T6 | E V S L S A F A F L F S E I V Q Y C Q N R V D N I G E E R R L L E D A G Y A V |
| UniRef90_R4FKT2 | E V S L S C F A L L F S E E L V Q Y C Q N K V H T V P E L Q N K L C E M G Q E V |
| UniRef90_D7ELH8 | E V S L S C F A L L F S E E L V Q Y C Q N K S H T V P E L Q N K L H E L G R R V |
| UniRef90_A0A059LR64 | Q I S L S A F S Y L F S E E L V Q Y F Q A Q V S N V G E E R R L L E G A G R G I |
| UniRef90_Q7K2Q8 | E V S Q S I V A L L F S E E I V Q Y S Q S R V F T V P E L Q T R L H D L G Q D V |
| UniRef90_E9HC76 | E V S L S N G F A L L F S E E I V Q Y C Q N R V S T V P E L Q A K L S E F G Q Q V |
| UniRef90_G3AI88 | E I N L S S L S F L F C E I V N W T H G Q S R G I H D L E M K L N K L G Y S I G |
| UniRef90_C4WVR1 | E I N M N C F A L M F S E L V Q Y C Q G K A H T V N E L Q M R L S D L G Q E V |
| UniRef90_E0VWU3 | E V S L S C F A L L F S E E V V Q Y C Q N R V F T V P E L Q N K L S S E I G Y D I G |
| UniRef90_C1C0R7 | E V S A S A F A L L F S E E I V Q Y Y S Q R S S S T V S E L Q N H L H S H G W E I |
| UniRef90_B8BSU9 | E V S L S A F A Y I Y S E L V Q Y H Q G R A S I S E R R L L E S A G Y G V |
| UniRef90_F2QLW9 | E V S L S S F S F L F C E E L V S W S R E R A N G L Q E E K R L N G L G Y T I G |
| UniRef90_E9CC81 | E V S I S A F A F L F S E I I I Q Y C Q G R V E S N T G L E R R L L S E I G R R V |
| UniRef90_T1G2B3 | E V S I S A F A F L F S E I I V Q Y C H N R V N T I P E L Q Q K L S S D L G F H V |
| UniRef90_G3MQN0 | E V H I S V F G L L F S E I I V Q Y C Q N R V Y T I P E L Q T K L S E L G F H V |
| UniRef90_K8E9F7 | E V S L S A F A F L F S E I I V Q Y H L Q R V S D T N E L E L K L E E A G A H V |
| UniRef90_UPI0003ADBABF | E L S G A S F A Y L F S E I M V S Y A R K G I Q D L E K G L N T Q G H P I G |
| UniRef90_M7SMZ2 | E A S L S A M S F L F S E A L V Q Q V Q K N V K G I P E L E R K L S D H G Y R I G |
| UniRef90_R4X8Z8 | E V S L S A F A Y L F S E M V G Y A Q R R V T G I Q D L E E K R L L N V Q G H P I G |
| UniRef90_S3CGH7 | E V S L S A F A Y L F S E I Y I Q Y L V D R A N S I T E L L E E R R L L E R V G Y D V |
| UniRef90_A8J2W3 | E V N I A T F A V L F S E I V Q Y S Q N R V H T V P E L Q N K L S E L G Q H V |
| UniRef90_UPI00035A048D | K I N A E V V V A L T Y G S L V A N L A R E A G V V A I N T R L D E M G Y N I G |
| UniRef90_A0A058Z615 | E V S L S A F A F L F S E M I Q Y S Q N R V R S V A E L Q T K L S D F G F S V G |
| UniRef90_F6ZPU3 | E V S L S A F A F L F S E I I Q N L Q K K A N G I Q D L E K R L L N E L G Y H I G |
| UniRef90_S8BSY9 | E V S L S A F S H L F C G L L Q Y C R E G I K D V G T L E N R L L S G I G Y Q I G |
| UniRef90_F0YI96 | M G Y N M G |
| UniRef90_H9K7K1 | E V S L S C F A F L F S E I I V Q Y C H S K V Y T V P E L Q K K L S E M G Y H V |
| UniRef90_UPI00022F5001 | E V S V N A F A F L F S E I V V Q Y C H S K V Y T V P E L Q K K L S E M G Y H V |
| UniRef90_T1KX51 | E V S L A F A F L F S E I V Q Y Q T I K I C S A S D L E C G L E Q I G R S V G |
| UniRef90_I2JTG5 | E V S L S C F A F L F S E I V V Q Y C Q N R V Y T V P E L Q N K L A E I G M E V G |
| UniRef90_H9JP27 | E V S L A F Y A L L F S E I V Q Y S Q N R S H S I Q D L Q F K L S E I G Q D V G |
| UniRef90_U6NLV2 | E V S L P T F A F L F S E I V V K Y A Q E R S E T V T D I H D R L L A S Y G K L V G |
| UniRef90_A5K0M4 | E V S L S A F S L L F S E I V Q Y C L W K S K R G Y R I L E D S L L H E M G L R V G |
| UniRef90_B6ACU4 | E V N I S S F A F L F S E I V Q Y S L T Y L K P G I R L E D R L L H E M G M S V G |
| UniRef90_A0A023B351 | K G N S D L L I L M Y G S L V T Q V V R D V E N V D T A N E L L E R L L G H D T G |
| UniRef90_A0A024J8I3 | E V S L S A F S H L F C G L L Q Y C R E G I K D V G T L E N R L L S G I G Y Q I G |
| UniRef90_X6NU62 | E V S L S A F S H L F C G L L Q Y C R E G I K D V G T L E N R L L S G I G Y Q I G |
| UniRef90_D8U7N6 | E V S L S A F S H L F C G L L Q Y C R E G I K D V G T L E N R L L S G I G Y Q I G |
| UniRef90_UPI0002652CBF | E I N I S T F A F L F S E I M V Q Y C Q N R V S S V P E L Q S K L S D L G Q H V G |
| UniRef90_E6R128 | E V A M G A W A F L F A E I V V A Y S Q S R V D S V S D L E A R L L S S L G Y D A G |
| UniRef90_T2M9K9 | E V S I S A Y G L F S E I I V Q Y C Q S S R V F T V T E L L Q D K L A S F G K T I G |
| UniRef90_N1RN93 | E L S Q A S F A Y L F G E M V T Y A Q R R V K G L Q E E Q R L L N Q G H S I G |
| UniRef90_A0A024VXG4 | E I S K S A F A F L F G E M V Q Y A Q K K V Y G V Q D L E K R L L N L H G Y A V G |
| UniRef90_S8A8Q8 | E V S L S K S A F A F L F G E M V Q Y A Q K K V Y G V Q D L E K R L L N L H G Y A V G |
| UniRef90_J9J7M7 | E V S L S L F S M F E I V Q Q L M K Q E K N V N D L E E H Q L L Y Y L G V P V |
| UniRef90_I1FJ37 | E V N I S T F A F L F S E I V V Q Y N N Q Q R V T S L A Q L L H E K L L A D L G R H V |
| UniRef90_M3CN90 | E A S L S A F A Y L F F N T L I T Y H H K S G S V S E I E T R L L N R A G Y P I G |
| UniRef90_B3S2G2 | E I N L S T F A F L F S E I V V Q Y C Q N R S S S V V D L L Q Q K L L A S L G H H V |
| UniRef90_Q6CFM1 | E V S L S N A F A F L F S E I V V Q Y L L R Q R K S L P D L E T R L L N T L G Y H V |
| UniRef90_Q9NA81 | E I N L S T F A V L F S E I M V L Y A Q N R S E T V T D I H D K L L A S Y G K Q V |
| UniRef90_T1E1I0 | E V S L S A F A F L F S E I V V Q Y C Q N R V S S V P E L Q S K L L D E A G Y A V G |
| UniRef90_W6MGL3 | E I N L S S S L S F L F S E I I V V S Y T Q N R V T G I T E L L E R R L L G H D T G |
| UniRef90_R9P268 | E V N I S L S S L S F L F S E I I V V S Y T Q N R V T G V T D I E S R L L N N L G Y S I G |
| UniRef90_W3VWP8 | E V N I S A S A L S F L F G E M V T Y A Q R R V K G L Q E E K R L L S S L I G Y R V |
| UniRef90_UPI0002658421 | I H S L S I Y G L F F S E I I V Q Y C Q N R A S T I V E T Q T K L L A E L G Q H I G |
| UniRef90_A8B8Z9 | E V S L S I S F A F L F S E I I V Q Y C H D P G M V T K E L L D R M G F N I G |
| UniRef90_B9PH75 | E V S L S I S F A F L F S E I I V Q Y C H D P G M V T K E L L H E L G L R V |
| UniRef90_N1Q0J8 | E T S L S I S F A F L F S E I I V Q Y C H D P G M V T K E L L H E L G L R V |
| UniRef90_E1FZ82 | E V N F S S F A F L F A E M I R Y A N R S N T V S D L Q D K L L G Y G K F V G |
| UniRef90_R7Q1P4 | E V N M D A Y L V L F F S E I I V V S Y C R D R V E S V M A L Q E K L A Q L G Y R I G |
| UniRef90_UPI000389080C | K V N S E L F S L T Y G A F L V Q L L R D A N G D A S V N A K L R G I G K S I G |
| UniRef90_K8EA30 | E I S L S G A W S Y L L A E I V V Q Y T Q K R V S G G E F E K R L L N I L G Y R I G |
| UniRef90_U5GZ24 | E I S L S G A W S Y L L A E I V V Q Y T Q K R V S G G E F E K R L L N I L G Y R I G |
| UniRef90_UPI00034F2EDD | K V N S E L F S L T Y G A F L V Q L L R D A N G D A S V N A K L R G I G K S I G |
| UniRef90_J3Q1L0 | E I S L S T Y A L L F S E I V V R Y T T N R V N S V P E L E Q K L L A V I G R R V G |
| UniRef90_F2U9W2 | E I S L A L S S L S F L F A E M V S Y T Q N R V T G V T D L E K R L L S L L G Y G I G |
| UniRef90_V5EZN4 | E V A S S A F A L V F F S E I V V Q Y H R A R V R D V G E L E R R L L D E A G E M V |
| UniRef90_Q013E9 | E I S Q A S F A Y L F F S E I I N Y A Q R R V K G V G E L E Q Q L L N N Q G H P L G |
| UniRef90_G2X4J4 | E I S L S T F A F L F S E I I N Y N L K R V D G I A E L E S K L L N W L G Y R V |
| UniRef90_I4Y7D2 | E I S V S S L S F L F M E M V S M N L N Q A K S L I E L E R R L L E D A G Y A V G |
| UniRef90_W1QG52 | E V S L S T F A F L F F S E I V V Q Y N N Q T V D N I A D L E E R R L L E D A G Y A V G |
| UniRef90_M7ZW59 | E I S L S T F A F L F F S E I I V V Q Y L Q T R V Q Q V S E E E K R L L N N Q L G Y R V |
| UniRef90_M2VXT4 | N A E L F A F L F A E M V T Y A Q R R V T G I Q D L E R R L L N E Q G Y P L G |
| UniRef90_A2R437 | E I S L S T Y A L L F S E I I V V R Y T T N R V N S V P E L E Q K L L A V I G R R V G |

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| UniRef90_C4Y011 | Q R Y L E L V K □ R E G M K R E T K I V E I L Q F I H G P F W K A M F G K T A N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_G1WYZ0 | Q R F L E L L L W R E G A K R E T R I L G I L Q F I S H Q L Y R A I F Q K Q A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_M7PDJ0 | Q K □ L E L I S W R E K Y K R E T R I R L G I L Q F I F S N V W K A L F N K Q A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_K0KLU0 | N K F L E L I T L R E G A K R E T R I V E V L Q F I F S N V W K T L F G R P A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_B5Y485 | L R V L E L L T F R T D Y T R E T S L M M L Q F V S T T A W K S L F G K A A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_G4TBB1 | L K M L E L I H A W R T E P K R E T R F L T V L S T I G N V M W K A F F G R A M D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_A5E6K8 | Q R Y L E L I K L R E G S K R E I K V I G I L Q F I H G P F W K T V F G K V A N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_B9WN38 | Q R Y L E L C K I R E N S K R E I R I L E I L Q F I H G P F W K L I F G K T A N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_UPI000273922F | V R F K I L G I G Q I L I G T M T L E N S D V I A N V A S K M C L G I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_A2FQV8 | N R I T D E F V V H A D K C Y R F K S L K E A C D M L A D Y S F K T Y L G I N A V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_J3NH19 | V K L L D L L L Y R E P A K R P L N I A L L H L I Q R N V W T H L F G R Q A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_11CSC5 | M F L N I T P S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_C1E3Y1 | V R M L E I L S Y R E G N R R E I R L Q G I L Q F I I N T N I W R C L F G K V A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_D5GMV6 | Q R L L E L L L W R E G A K R E T R I L G I L Q F I I T T T V Y R S I F N K P A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_F0YNA2 | L R I L E L L S H R E R V K H E I Q I V G A L Q F V V S S H C W K A L F G K V A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_C3Z0P3 | F R I L D L F L R E K N Y K R E I K L K L N M L F V V K T T V W K T L F G K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_R7UIT4 | T R I V D L L M L R E G F R R E V K V I S A L L F I V K G N L W K N L F G K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_Q6DFT9 | C R I L D P L V M R E N G K R E T K V I S A L L F I V K V V A W K A L F G K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_V7D1T6 | A R V L E L L C H R D K V R R E T R T L L G I L S F V V H S T V W K V L F G K V A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_R4FKT2 | I K L I D L Y M R E N G K R E I K L K L N M L F I V R S T L L W K G L F G K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_D7ELH8 | V K L L D L Y F L R E N G K R E I K L L N M L F I V K S T L L W K Y L F G R A A Q | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_A0A059LR64 | L R L L E L L V Y R E R S G R D L R L L D A L R F V V H S T L L W K N L F G K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_Q7K2Q8 | T R I I D L Y F V R E R S K R E T K L L T Q M L F I V V K T T V W K N L F G K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_E9HC76 | I R M L D L L V Y R E N G K R E I K L L Q I I F I V K S T V W K S L F G K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_G3AI88 | Q R Y L E L I K L R D G I K R D L K I I D L H F I V H G S F W K S L F G K H A N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_C4WVR1 | T K L I D L H F L R E N S K R E I K L L N M L F I V K S T F W K S F F G R E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_E0VWU3 | T K F I D I L M V R E N Y K R E I K L L N M L F I V K S T L L W K N L F G Y E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_C1C0R7 | A R C L D I L I R D S T K R E I K L L N V L T I V K S T L L W K A L F G R E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_B8BSU9 | L K V L E M V A Y R A E T K R E T R L M S L H F V V S S S V W K S L F G K A A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_F2QLW9 | L K Y L E L L G □ R E N □ N R D I K I I Q M L E F I V H T T F W K A L F G K T A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_E9CC81 | I R M F E L L N G R E G A K R E T R L I N I L H F I V I N S V V W K T L F G K P A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_T1G2G3 | Q R Y L D I L V L R E G H K R E T K L V N M L V F I V K S N V W K N L F G K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_G3MQN0 | Q R V L D L L F V R E N Y K R E T K L V N M L F I V V K S T V W K T L F G K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_K8E9F7 | R R V L E L L A Y R E K T R R E T R L N G I L T F I V Q N N V W K N L F G R S A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_UPI0003ADBABF | L K T F R Y F A L R S E R C I D P L E L T S V R D V A F K M Y L G I T P S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_M7SMZ2 | V K K L D L L L Y R E P A R P P L T I I A L L H L I V K I N A W T H L F G R A A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_R4X8Z8 | Q R C L E L Y T Y R E P P R P P L T I I A L L H F I V V Y T V L W K N L F G K T A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_S3CGH7 | M K L L D L L L Y R E P P R P P L T I I A L L H F I V V K I N I W T H L F G R Q A N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_A8J2W3 | V R V L E L L S Y R E S □ R R K T D V L D I L R F I V H G P A W Q Y L F G K T A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_UPI00035A048D | S H L L D L F L R E K G Y K R E I K L L S M L I F I V K S T F W K I V F G K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_A0A058Z615 | L R L A D D F A S R T H L R R C A D F R E T A E I V S R L V D L L V R E G N K R E I K V L N I L L F I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_F6ZPU3 | S R L V D L L V V R E G N K R E I K L L N I L L F I V V Y Q V G F K M F L G V T A S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_S8BSY9 | T R V I E L L S Y R D R I R R E L S L I G I L Q F I V S T C W K A L F G K P A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_F0YI96 | H R I T D L L V V R E G N K R E I K L L N I L L F I V K S T V W K S L F G R E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_H9K7K1 | T R V I E L L S Y R D R I R R E L S L I G I L Q F I V A F K M Y L G I T P S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_UPI00022F5001 | Q R L V D L T F I R E N Y K R E T K L I N I L I F I V K T N L W K T L F A K D A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_T1KX51 | T R L L D L Y F V R E N S K R E I K L L N M L F I V M H E T A E V V S K I G F K I F L N I T P T | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_I2JTG5 | UniRef90_H9JP27 | UniRef90_U6NLV2 | UniRef90_A5K0M4 | UniRef90_B6ACU4 | UniRef90_A0A023B351 | UniRef90_A0A024J8I3 | UniRef90_X6NU62 | UniRef90_D8U7N6 | UniRef90_UPI0002652CBF | UniRef90_E6R128 | UniRef90_T2M9K9 | UniRef90_N1RN93 | UniRef90_A0A024VXG4 | UniRef90_S8A8Q8 | UniRef90_J9J7M7 | UniRef90_I1FJ37 | UniRef90_M3CN90 | UniRef90_B3S2G2 | UniRef90_Q6CFM1 | UniRef90_Q9NA81 | UniRef90_T1E1I0 | UniRef90_W6MGL3 | UniRef90_R9P268 | UniRef90_W3VWP8 | UniRef90_UPI0002658421 | UniRef90_A8B8Z9 | UniRef90_B9PH75 | UniRef90_N1Q0J8 | UniRef90_E1FZ82 | UniRef90_R7Q1P4 | UniRef90_UPI000389080C | UniRef90_K8EA30 | UniRef90_U5GZ24 | UniRef90_UPI00034F2EDD | UniRef90_J3Q1L0 | UniRef90_F2U9W2 | UniRef90_V5EZN4 | UniRef90_Q013E9 | UniRef90_G2X4J4 | UniRef90_I4Y7D2 | UniRef90_W1QG52 | UniRef90_M7ZW59 | UniRef90_M2VXT4 | UniRef90_A2R437 |
| UniRef90_H9JP27 | T R L L D L Y F V R E N S K R E I K L L N M L F I V M H E T A E V V S K I G F K I F L N I T P T | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_U6NLV2 | □ R L L D V I T L R E G Y R R E T K L T L G M I M F I V K S T L W K V L F G K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_A5K0M4 | □ R L L D V I T L R E G Y R R E T K L T L G M I M F I V K S C V W K N L F G K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_B6ACU4 | Y K L N E Y L P Y K N K T K R C V N I I S I L T F I V S Q K C W K Y L F G H T S D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_A0A023B351 | □ R L V E D F V S R S S L S V C Q S F K D T C E I I A K V A F K V Y L G V A E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_A0A024J8I3 | Q R L L E L T L R D G A K R E T K T V L G V L Q I V H S I L I W R Q I F G K Q A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_X6NU62 | I K Q L E L I T H R L R M K R E T N H V S M L E F I V T K D C W K H I F G R L A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_D8U7N6 | I R L V D E F L A K A K I T C S S F R D T A E V V A K Q A L P M F L N V S A S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_UPI0002652CBF | V R I L D L L F I R E G L K R E T K L T L G M I M F I V K S N V W K V L F G K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_E6R128 | Q R I L P L L L R N E P K R E H R L I P I L Q F I V H T Q V Y R Y C F G K A A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_T2M9K9 | V R L I D T L S I R E G F R R E T R L L N V L M F I V R S S L W K T L F G R E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_N1RN93 | L K L L D L L F R E P A R R P L S I I A L L H F I V K Q N I W Q H L F G R Q A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_A0A024VXG4 | K E C N F A R I N K N C L I N N E T V N V A K V A F K M F L G I S G T | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_S8A8Q8 | Q R F L E L I L W R D G A K R E T R I L G I L Q F I V S H Q L Y R A I F Q K Q A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_J9J7M7 | E K L L E L L F Y R E N G K R E T K L V N M L H F I V I N N V M W K Q L F G K P A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_I1FJ37 | F R M I D L L C V R D R A K R E T R I V N I L W F I V Q K T V W K T L F G K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_M3CN90 | □ K M L D L V Y R L P A S R P T R M D L L Q F I V H G A L W R A L F N R S A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_B3S2G2 | T R I L D L Y L R E G S K R E T K L T L Q A I F V V K T T V W K S C F G R E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_Q6CFM1 | Q R A L E L V T I R E A T R R E N K I L G I L E F I V H T H V W K M V F G R A A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_Q9NA81 | L R M F D I I T L R E G Y K R E T K L L G M I M F I V K S T V W K N L F G K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_T1E1I0 | A R V L E L L C H R E G N R R E T R I L G I L S F I V H S T V W K V L F G K V A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_W6MGL3 | □ K Y L E L T S L R E N T K R E V R I L E I L Q F I V N S S V W K G L F G K M A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_R9P268 | Q R V L S L T L H R Q N P R R E T R L L P V L L W I V H T G F W K A A F G K P A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_W3VWP8 | Q R V L G M A M H R Q N P K R E T K L L P T L L W I V H T A F W K A A F G K A A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_UPI0002658421 | Q R V M D V Q A V R E N Y K R E T K L I Q M L I F I V K G S I W K N L F G K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_A8B8Z9 | Q R C V D E Y L A N S S □ C T K F H H T A T G V L G L K M F L G C S G T | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_B9PH75 | Y K I L D L L V Y R E R K K R E I K V L S I L T F V V S T C V W R Y L F G H S G E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_N1Q0J8 | □ K L L D L L L Y R Q N A Q R P T R I L D L L Q F I V H G T L W R A L F N R P A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_E1FZ82 | S R I L D V I V L R E G Y R R E V K L L N M L M F I V K G T I W K N L F N K E A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_R7Q1P4 | R R A L E L I L A R E K V R R E T R L L N M L N F I A S T L W N F I Y G K Q A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_UPI000389080C | M Y L G V T P S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_K8EA30 | N R L I E E Y L A K N A A D S C K T F R E V M E N V A F V G F R M F L N A R C R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_U5GZ24 | V R L L E L L P L R D H L S R T L R L P I L T Y V H S I V A F K M Y L G I T P T | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_UPI00034F2EDD | T R L I E D L L A R S S L P R C S D F R E V G E V S K V A F V G F R M F L N A R C R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_J3Q1L0 | V R L V E V M A M R D R S R R R I K H D V L A F L Q T N L W R T L F G K P A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_F2U9W2 | Q R I L G L T L H R Q N P K R E T R L L P T L L W V H T S F W K A A F G K S A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_V5EZN4 | R R A F E A Q A F R E R G K R D H R P L L Q F T Q S V V W K N V F G R A A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_Q013E9 | □ K L L D L L H R E P P R P L R I N I I T L L H F I K Q N L W Q H L F G R Q A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_G2X4J4 | Q R E L E L Y K F R Q N P R Q H T S L I E V L Q F I H T H I W R S L F G K T A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_I4Y7D2 | T K V L E L L A R S L R E N S K R E I K V L E I L H F I T S V I W P S L F E K P A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_W1QG52 | A R V L E L L C H R E G N R R E T R I L G I L S F I V H T H I W R S L F G K T A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_M7ZW59 | UniRef90_M2VXT4 | UniRef90_A2R437 | Q R A L E L L C H R E G N R R E T R I L G I L S F I V H T H I W R S L F G K T A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_A2R437 | L R L L D L F Y R T P P N R P L R I L P L L H L I H G P L W R L L F N R P A D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | 90 | 100 | 110 | 120 |
|------------------------|---|-----|-----|-----|
| UniRef90_C4Y011 | E E K S Q D V D N E Y M V I D N V P L S K F I S I P K E Y G N L N C S A F V A | | | |
| UniRef90_G1WYZ0 | T L E K V R E N E D E Y M I S D N D P V V N Y I S V P P K E M S Q L N C G A F I A | | | |
| UniRef90_M7PDJ0 | A L E K S K E N E D E Y M I V D N E P M V N Y I S V P P K E M A Y F D C A A F V A | | | |
| UniRef90_K0KLU0 | G L E K S Q D S E D E Y M I D N L P L S Q F I S V P P K E D F G G L S V D A Y I S | | | |
| UniRef90_B5Y485 | S L E R S I D H A D E Y M I V D Y A P I T S F I S V P P A D F G G L S V D A Y I S | | | |
| UniRef90_G4TBB1 | A I Q K S V T K D D E F M L I E N D P I T K F I S I S K D M G S L S C S A L T A | | | |
| UniRef90_A5E6K8 | E L E K S Q D I V N E Y M I V D N V P L N R F I S I S P K D Y G D L N C S A F V A | | | |
| UniRef90_B9WN38 | E L E K S Q D L P N E Y M I V E N V P L N R F I S I S P K D Y G D L N C S A F V A | | | |
| UniRef90_UPI000273922F | T N C S L A S D E F S I L E N N P L V K C V G L L D N N A S L I Y S N L L C | | | |
| UniRef90_A2FQV8 | V K E P S E T R C V I S F S D N P I T R Y V I L P P E Y Q G L I Y L N P L L | | | |
| UniRef90_J3NH19 | R L E R R S S D A D D E Y M I V D N E P L V N Y I S V P P K D M S Q L N C A A F S A | | | |
| UniRef90_I1CSC5 | V T N W S T D N K E F S L I F D N P L T D F V E L P P K D L E A G G L W Y S N I Y C | | | |
| UniRef90_C1E3Y1 | S L E V Y N D D E Y V I S D R S P L V N F I S V P P K D L E A G G L W Y S N I Y C | | | |
| UniRef90_D5GMV6 | G L E K S R D N E D E Y M I L D N D P M V N Y I S V P P K E M S Q L N C A A F V A | | | |
| UniRef90_F0YNA2 | S L E R S T E N E N E Y M I H E T F P V T N Y V S V P P D L G H L N C A A Y I A | | | |
| UniRef90_C3Z0P3 | K L E H A N D D D K T Y Y I V E K D P L V N F I S V P P K D K G S L N C A A F T A | | | |
| UniRef90_R7UIT4 | K L E H A N D D D E R T Y Y I I E K E P L V N F I S V P P K D K G T L N C A S Y V A | | | |
| UniRef90_Q6DFT9 | K L E Q A N D D D K T Y Y I I E K D P L I N Y I S V P P K E N S T L N C A S F T A | | | |
| UniRef90_V7D1T6 | S L E E K G T E H E D E Y M I S E K E L L V N F I S I S V P P K D M G T F N C G A F V A | | | |
| UniRef90_R4FKT2 | K L E H A N D D E R I Y Y I I E K E P L V N F I S S V P P K D K G S L N C A M F I A | | | |
| UniRef90_D7ELH8 | K L E H S N D D E N T Y Y I M E K E P L V N F I S S V P P R D K G S S L N C A V F I A | | | |
| UniRef90_A0A059LR64 | D L E Q S N T A E D E Y M I S D D D F V T K F I S V V P P K E M G H L N C A A F V A | | | |
| UniRef90_Q7K2Q8 | K L E H A n d d e r t y y I I E K E P L V N F I S S V P P K D K G S L N C A N F T A | | | |
| UniRef90_E9HC76 | K L E H A n d d d t y y I I E K E S L V N F I S S V P P K D K G S L N C A A F S A | | | |
| UniRef90_G3AI88 | E L E K S Q D V P N E Y M I I E K E P L A K M I N I S V V P P K D Y A D L N C G A F V A | | | |
| UniRef90_C4WVR1 | K L E H S n D D D S T Y Y I I E K E P L V N F I S V V P P K D K G N L N C A V F V G | | | |
| UniRef90_E0VWU3 | K L E L A n d d d k v y y I I E K E P L V N F I S S V P P K D K G S L N C A V F T A | | | |
| UniRef90_C1C0R7 | K L E H A n d d e k t y y I I E S E P L N R Y I S V V P P K D K G S L N C A S F A A | | | |
| UniRef90_B8BSU9 | S L E R S I D N S D E F M I I D Y E P I T S F V S V V P T D L G Q L S A D A Y V S S | | | |
| UniRef90_F2QLW9 | N L E R S Q D N V C N Y M I T D N D P L A N Y I S V V P S E F Q N F N C S A F V A | | | |
| UniRef90_E9CC81 | L L E K A s e n d d t y y M I S D K D L L V N F I S V V P P K D Y G L L N C A V F V A | | | |
| UniRef90_T1G2G3 | K L E H A n d d d k v y y I I E K E P L V N F I S S V P P R R Q S S L N C A S F M A | | | |
| UniRef90_G3MQN0 | K L E Q A n d d d k t y y I I E K E P L T K F I S V V P P K D R G S S L N C A S F V A | | | |
| UniRef90_K8E9F7 | S L E I Y N D D E Y M I S D R D V L V N F I S V V P P K D Y Q G M N C A S F V A | | | |
| UniRef90_UPI0003ADBABF | V T C C N N S S R T E F S L I L D K N P L V E F V E L P A G R S S L C Y C N L L C | | | |
| UniRef90_M7SMZ2 | G L E R S S D S K P D E Y M I D N E P L V N Y I S V V P P R E M S Q L N C A A F V A | | | |
| UniRef90_R4X8Z8 | T L E E K S R E A n d e Y M I I D N D P L V D F V E L P P E T C Q G L N C A A F V A | | | |
| UniRef90_S3CGH7 | G L E E K S P Q T P D E Y M I I D N E P L V N Y I S V V P P R E M S Q L N C A A Y V A | | | |
| UniRef90_A8J2W3 | D L Q Q A A n a d d e Y Y I R D D L M V S R Y I S V V P R S Y E P F N P G T L A A | | | |
| UniRef90_UPI00035A048D | K L E Q A n d d d r t y y I I E K E P L V N F I S V V P P K D K G S L N C A A F T A | | | |
| UniRef90_A0A058Z615 | I T D F A L S R P A F S L E F V E P F F S H V M V P V L N G L S Y I S M I A | | | |
| UniRef90_F6ZPU3 | K L E Q A s d d d k i y y I I E K E P L I S T Y I S V V P P K D K G S L N C A A F A A | | | |
| UniRef90_S8BSY9 | V T N W D A e g t t C S M I L E D N P L V D F V E L P P E T C Q G L N C A Y N L S | | | |
| UniRef90_F0Y196 | S L E R S T E n d n e Y M V H D S A A L T N F V S V V P P N H L Q G L N C A A Y I A | | | |
| UniRef90_H9K7K1 | K L E H A n d d e r t y y I I E K E A V N F I S V V P P K D R G S S L N C A S F I A | | | |
| UniRef90_UPI00022F5001 | V V C H N S S R N E F S L I L D K N P L A E F V E L P P A G R S A L C Y C N L L C | | | |
| UniRef90_T1KX51 | K L E H S n D D p t t y y I I E S D P I V N Y I S Y N R D K G S L N C A S F I G | | | |
| UniRef90_I2JTG5 | V S H W T A D N K S F G L I L V E N P L A D F V E L P P E A R K K L W Y S N V L C | | | |
| UniRef90_H9JP27 | K L E H A n d d e r t y y I I E K E A V N F I S V V P P K D K G S L N C A I F N A | | | |
| UniRef90_U6NLV2 | K L E R S N D D Q C T y y I I E K E P V V N F I S V V P P K D K G M L N C A A F V A | | | |
| UniRef90_A5K0M4 | L L K S Q D S I Y E Y M I C D K N I L N R F I S V V P P K D Y G N I N C A S F A A | | | |
| UniRef90_B6ACU4 | L L K G Q E S D D e Y M I N D K N L L N K F I S V V P P R D L E H I N C G A Y A A | | | |
| UniRef90_A0A023B351 | V R Q A S D S V C F I T L P V N P I T D F V E L P P A L G L N Y N A Y V C | | | |
| UniRef90_A0A024J8I3 | G L E E K S R D S D F E Y M I I D N T P L V Q F I S V V P P K E M S Q L N C A A F V A | | | |
| UniRef90_X6NU62 | G L E Q S M Q N D N e F F I V D H K P V T N F V S S V V P P D M V T F N P A S F I A | | | |
| UniRef90_D8U7N6 | V A N W S P D Q T E C S L V G R G R E E G N R S C A E Q E A G F V W F A W R L L | | | |
| UniRef90_UPI0002652CBF | K L E H n d d e r t y y I I E K E S V I N R F I S V V P P K D K G S L N C A A F T A | | | |
| UniRef90_E6R128 | G L E R S V E E E N E Y M I I N Q P P L T Q F I S V V P P K D M S Q L S C E A F T A | | | |
| UniRef90_T2M9K9 | K L E H A n d d D V G T y y I I E K E S L V N F I S V V P P K D K G S L N C A S F T A | | | |
| UniRef90_N1RN93 | R L E K S P E T P D E Y M I I D N E P L V N Y I S V V P P K E M S Q L N C A A Y V A | | | |
| UniRef90_A0A024VXG4 | V T C V N K E S N I F S I F D N N P L S D F V E L P K S L S S L N C Y C S L L C | | | |
| UniRef90_S8A8Q8 | T L E E K V R E N E D E Y M I S D N D P A V N Y I S V V P P K M S Q L N C G A F I A | | | |
| UniRef90_J9J7M7 | G L E Q S I E D E D E Y R I I D K N P V T N F T S M G K V T N V N C S S Y I A | | | |
| UniRef90_I1FJ37 | R L E Q A T A T E A T Y Y I F E D E P L V N F I S V V P P K E Q S S F N C A A F M A | | | |
| UniRef90_M3CN90 | A L E Q S N T K K N E Y M I V D N E P L V N F I S V V P P K E M S Q L N C A A F V A | | | |
| UniRef90_B3S2G2 | K L E L S S N D D e k t y y I I E N E S L V N F I S V V P P K D K G S S L N C A A F S G | | | |
| UniRef90_Q6CFM1 | G L E E K S R D E E N E Y M I I D N E P V V K Y V S V V P P R E N S Q L S V A A Y A A | | | |
| UniRef90_Q9NA81 | K L E R S N D D H C T y y I I E K D P M V N Y I S V V P P R D K G V L N C A A F A A | | | |
| UniRef90_T1E1I0 | S L E K G T E H E D E Y M I I S E K E L L V N F I S V V P P K D M G T F N C G A F V A | | | |
| UniRef90_W6MGL3 | K L E K S Q D L A n Q Y M I V T D N L P L S K Y I S V V P P K E F Q H L N C A A F V A | | | |
| UniRef90_R9P268 | S L E R S T E R G D E Y M I I S T N A P V G R L I E V V P P R D M S S L S V E A I T A | | | |
| UniRef90_W3VWP8 | S L E R S T E R S D E Y M I I S T N V P F S R A I C V V P P N D M S Q L S V E A I T A | | | |
| UniRef90_UPI0002658421 | K L E Q A n g D D k t y y I I D Q E P L V N F I S V V P P K D L S S S L N C A A F M A | | | |
| UniRef90_A8B8Z9 | I T G C E P E C S A Y T I F V E N N P L E K Y V K L P A Q L D R L V Y S Q I V C | | | |
| UniRef90_B9PH75 | L L K A Q D N E L E Y M I N D K L L N K F I S I S P P R D M N H V N C G A F A A | | | |
| UniRef90_N1Q0J8 | A L E Q S N S K K N E Y M I V D N E P V V N Y I S I S P P K E M S Q L N C A A F V A | | | |
| UniRef90_E1FZ82 | K L E R S N D D P C Q y y I I E K E P I V N Y I S V V P P K D K G N L N C A S F I A | | | |
| UniRef90_R7Q1P4 | C L C K V R D S E L E Y Y I I E E P V V N Y I S V V P P A G R C S L C Y C N L L C | | | |
| UniRef90_UPI000389080C | V S C S N T A E N E F F L M L D K N P L V D F V E L P P E K Y N S L S C A A L V V C | | | |
| UniRef90_K8EA30 | L V D W S S N S S N T L A I E D L S L A D F V E E L P P E K Y N S L S Y C E V V V C | | | |
| UniRef90_U5GZ24 | S L E R S T E N S D E Y M I V D N E P V V N F I S V V P P K E M S Q L S C A A L V V A | | | |
| UniRef90_UPI00034F2EDD | M I G G N D G G N G F S L I L D T N P L D F V E E L P P S G R S S L S Y C N L L S | | | |
| UniRef90_J3Q1L0 | V S H N T S G L R E F T L S F D E N V L A E F V E L P P D A G G L W Y S Q I V C | | | |
| UniRef90_F2U9W2 | L L E Q V T S D V C S Y M I S D H D M L V N F I S I S P P K E Y G D L N C A A F V G | | | |
| UniRef90_V5EZN4 | S L E R S T E R G D E Y M I S T N V P F S R S I C V P P N D M S Q L S V E A I T A | | | |
| UniRef90_Q013E9 | S L E V Y D D E Y L S L S D K D L V N F I S V V P P K D L D G D L N C G S F A A | | | |
| UniRef90_G2X4J4 | R L E E K S P D T P D E Y M I V D N E P V V N F I S V V P P R E L S Q L S C A A F V A | | | |
| UniRef90_I4Y7D2 | S L E E K S K E N A N E Y M I S D N T P L S R S I S I P P K D L K N L S T E S F T S | | | |
| UniRef90_W1QG52 | N L E K S S E S N C Q Y M I I D N A P L M K Y I S V V P P K E Y E G L N C E A F V A | | | |
| UniRef90_M7ZW59 | S L E K G T E H E D E Y M I I S E K E L L V N F I S V V P P K D M G A F N C G A F V A | | | |
| UniRef90_M2VXT4 | Y Y L V K V T D R E D E Y Y I I E E P V V N Y I S V V P P K D F G Q L N C A A F M A | | | |
| UniRef90_A2R437 | A L E H S P E T P N E Y M I I T D N D P L V N Y I S V V P P K E M S M L N C A A F V A | | | |

130 140 150

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|------------------------|---|
| UniRef90_C4Y011 | I I E G A D S S G F N A S V S A H A P V A T L V S R T V F L K F D E R |
| UniRef90_G1WYZ0 | I I E A V L D G H C F P A K V T A H |
| UniRef90_M7PDJ0 | I V E A I M D G S Q F P S K V T A H S V P T Q G F P R T V I L I K I N E |
| UniRef90_KOKLU0 | I I E G L D S A Y F Q A N V S A H T M A A D G Y P R T V F L K F |
| UniRef90_B5Y485 | G M G M L D G A G F P A R V T A H S V A L |
| UniRef90_G4TBB1 | G V E A I L D G L G F P A R V T A H N V P T E A N P C T T I L I K L D R |
| UniRef90_A5E6K8 | G I I E G A L D S S G F S A N V T A H N S G T E A N P R T V F L I K F H E Q V |
| UniRef90_B9WN38 | G I I E G A L D N S G F G A D V T A H T N P L R T V F L V K F |
| UniRef90_UPI000273922F | G M L R G I L K M V Q M A V G V K F Q N M L K G D G V T E I R M R F I R |
| UniRef90_A2FQV8 | S A I K T S L G L L H Y N V E V N L I S D M L H G K Q S N D I E I K L I E I M |
| UniRef90_J3NH19 | G V I E G I C D G A G F P A R V T A H |
| UniRef90_I1CSC5 | G V L R G A L E M V Q M V Q V E A Q F I S D A L R G D E A T E M R V K L V R Y L |
| UniRef90_C1E3Y1 | G I I K G V L D I A G F P A E V S A Y Y A P V E G H P R T N F F M K F |
| UniRef90_D5GMV6 | G I I E A V L D G C L F P G R V T A H S V P T Q L P A K T V F L I K F |
| UniRef90_F0YNA2 | G V A S G I L D G A N F S A R V T A I S S A E D S G D K T V F L I K F |
| UniRef90_C3Z0P3 | G I V E A V L I N G C G F P A K V T A H W H R G T T Y M I K F |
| UniRef90_R7UIT4 | G I I E A V L I N G C N F P A K V T A H W H K G T T F M I K F |
| UniRef90_Q6DFT9 | G I V E S L L T C S G F P A K V T A H W H K G T T L M I K F |
| UniRef90_V7D1T6 | G I V R G V L D G A G F P A V V T A H F V P M E G R P R T T I L I K F |
| UniRef90_R4FKT2 | G I I E A V L I N A A G F T A K V T A H |
| UniRef90_D7ELH8 | G I V G V L D G A G F P V T A H Y V P V P G Q A R Q K T T L I K F |
| UniRef90_A0A059LR64 | G I V E A V L I T N C G F P C K V T A H W H K G T T Y M V K F |
| UniRef90_Q7K2Q8 | G I I E G I L I N T S N F P A K V T A H W H K G T T Y M V K F |
| UniRef90_E9HC76 | G I I E G I L I N S S G F N A K V T A H S V P M D G F P R T V F L M K F |
| UniRef90_G3AI88 | G I I E G I L I N S S G F N A K V T A H S V P M D G F P R T V F L M K F |
| UniRef90_C4WVR1 | G I I E G I L I N S S G F N A K V T A H H W H K G T T Y M V K F |
| UniRef90_E0VWU3 | G I I E A V L I C G S G F P A K V T A H H W H K G T T Y M V K F |
| UniRef90_C1C0R7 | G I I E A V L I D G C N F P A K V S A H H W H K G T T F M V K F |
| UniRef90_B8BSU9 | G I I E A V L I A G V L D G A G F T A R V T A H S |
| UniRef90_F2QLW9 | G I I E G M L D S A Y F Q A D V S A H T V E T K E N P R T V F L I Q F |
| UniRef90_E9CC81 | G V V E A I L I E G A M F P A R V S A H T T T E N G T T I L I E F |
| UniRef90_T1G2G3 | G I I E A I L I T T S N F P A K V T A H W H E G T A F R I N F |
| UniRef90_G3MQN0 | G I I E A I L I I G C N F P A K V T A H W Y K G T T F M M K F |
| UniRef90_K8E9F7 | G V V K G C L E S A G F D A Q V S A Y D A P T A D D |
| UniRef90_UPI0003ADBAFB | G I I R G A L I E M V H L A A D V T F L Q D T L K G D R V T E I G I T F L K K L |
| UniRef90_M7SMZ2 | G I I V E G L I C D G A A F P A R V T A H T V G E G D G R T V F L V K F |
| UniRef90_R4X8Z8 | G I I E G G |
| UniRef90_S3CGH7 | G I V E G V C D G S G F P A R V T A H |
| UniRef90_A8J2W3 | G M M R G M L D S A G F P V T A H F V S H K D R P R P I T T F M I K L |
| UniRef90_UPI00035A048D | G I V E A V L I N G A N F P A K V T A H F V S H K D R P R P I T T F M I K L |
| UniRef90_A0A058Z615 | G V I R G A L F A L G L E V I T S T P R C T L W G D S I S E I R V V L V R K I |
| UniRef90_F6ZPU3 | G I V E A V L I N F S N F P C K V T A H W H K G T T Y M V K F |
| UniRef90_S8BSY9 | G V I K G A L E M V S M K T E V T W L R D M L R G D D V F E L Q V K L L K Q V |
| UniRef90_F0YI96 | G I I T A G I L I D A A N F |
| UniRef90_H9K7K1 | G I V E A I L I C D C G F Q A K V T A H W H K G T T Y M V K F |
| UniRef90_UPI00022F5001 | G V I R G A L I E M V H L A A D V T F L Q D R L K G D S V T E I G I T F L K K L |
| UniRef90_T1KX51 | G I I E A A L I N E T G F N A K V T A H W H K G T T F M I K F |
| UniRef90_I2JTG5 | G V L K G C L E M V Q L D C D V S F L Q D S L K G D E N T E I X V K L N K I L |
| UniRef90_H9JP27 | G I I E A V L I T R S G F P A K V T A H W H K G T T Y M V K F |
| UniRef90_U6NLV2 | G I I Q S M L E V S N F P C Q V S A H |
| UniRef90_A5K0M4 | G I V E G M L C S A E F Q A E V T A H T V Y E D E K T T I F I K F |
| UniRef90_B6ACU4 | G V V Q G L I E S A E F P A N V S A H E D S P N N Y S T T I I L I K F |
| UniRef90_A0A023B351 | G V I Q S A L I E Q L C R T |
| UniRef90_A0A024J8I3 | G I I E A I L I D G Y Q F T A N V T A H T V P L R T V F L V K F |
| UniRef90_X6NU62 | G I I H G M L E S A G F K C N V |
| UniRef90_D8U7N6 | G I I E A V L I R G A W G Y G V V N M D V E C R W L S D M L K G D D C Y E L R E K L K E |
| UniRef90_UPI0002652CBF | G I I E A I L I N G C N F E R G A W G Y G V V N M D V E C R W L S D M L K G D D C Y E L R E K L K E |
| UniRef90_E6R128 | G I V E G V L I D G L Q V P A R V T A H T V P T D A P Q R T V I L I K L D Q K V |
| UniRef90_T2M9K9 | G I I E G I F N G C G F P A T V T A H W H K G T T F L I K F |
| UniRef90_N1RN93 | G I V E G V C D G A D F P A R V T A H T V A E G D G K T V F L V K F |
| UniRef90_A0A024VXG4 | G I I K G A L I E Q I R I K V N C Y F V K D M L K G D D Y E L Y I Q L N E V M |
| UniRef90_S8A8Q8 | G I I E A V L I D G H C F P A K V T A H T D M M W P G R T V F L I K F |
| UniRef90_J9J7M7 | G I I E G V L I S S C R M Y C K V T A H S D N A E G N S T T I Y V I K F N K |
| UniRef90_I1FJ37 | G T V I E A F L I C G V Q F P C R V F L V K E Q T T T A F E I T F |
| UniRef90_M3CN90 | G I I E G V C D A A G F T R E G V T A H W A G E G D E K T I F L L R F K E |
| UniRef90_B3S2G2 | G I I E A V L I N G L N F P C N V T A H W H K G T T Y M V K F |
| UniRef90_Q6CFM1 | G I I E A V L I N G A K F P A K V H T V E D P L R T V F L I K F |
| UniRef90_Q9NA81 | G I I V E A I L I E S A S F K C K V T A H |
| UniRef90_T1E1I0 | G I I V R G V |
| UniRef90_W6MGL3 | G I V E G I L I D S A Y F Q A N V S A H S |
| UniRef90_R9P268 | G M V E A A L I D G L G F A A R V T A H S V G T K E W P R T T I L I K L D R |
| UniRef90_W3VWP8 | G M V E A A L I D G L G F P A R V T A H T V T P Q Y P Q R T T I L I K L D R |
| UniRef90_UPI0002658421 | G I V E A I M V G A N P C K V T A C S H N G T T F I I K L N |
| UniRef90_A8B8Z9 | G A I R G A L I S L I G Y N V T V E L I |
| UniRef90_B9PH75 | G I I E G I C S A E F P A A V H T V E D T P N S K S T T F L I K F L |
| UniRef90_N1Q0J8 | G I I E G I C D A A F S T E |
| UniRef90_E1FZ82 | G I I E A V L I E A S N F S C K V T A H S V P T L A H P K T V I L I K L |
| UniRef90_R7Q1P4 | G I I E N G V L I D S A G F P A E V T A H W H G T T Y M V K F |
| UniRef90_UPI000389080C | G I V I R G A L I E M V H L A A E V T F V Q D R L K G D D V T E I G I T F L K K L |
| UniRef90_K8EA30 | G V V E G A L I E S V N V R V K V H F V K D G L R S D |
| UniRef90_U5GZ24 | G I I E A V L I D G A G F P S R V T A H S V P T L A H P K T V I L I K L |
| UniRef90_UPI00034F2EDD | G I I I R G A L I E M I H P A D V T F I Q D R L R G D D V T E I G I T F L R K |
| UniRef90_J3Q1L0 | G I V I R G A L I E M V |
| UniRef90_F2U9W2 | G I V E A A V I D G M G F P A E V A A H T V E G K G T T L I K F |
| UniRef90_V5EZN4 | G M V E A A L I D G L G F P A R V T A H T V T A Q F P N R T T I L I K L D K |
| UniRef90_Q013E9 | G V V R G I L C S A G F P A K V T A Y S S E A G G D E T T N I L M K F E K |
| UniRef90_G2X4J4 | G I V E G A L I C D G A G F P A R V S A H S |
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| UniRef90_G7E7R5 | A L E K S T E N Q D E Y M I T D N D P L T R S I E I P K D M S Q L S C M A F M A |
| UniRef90_C5PDC0 | A L E H S P D T P N E Y M I T D N D P L T N Y I S V P R E M G L L N C A A F V A |
| UniRef90_G8JU67 | D L V K S S E R D N E Y M I V D N E P W T Q F I Y G S Q C E S F T G |
| UniRef90_D2DSN9 | K L D R A T D D E R I F Y L I E K E P L V N F V S V P R D K S S I N C A A F V A |
| UniRef90_A0A058Z986 | P I E R D T S R N H Y Y L I D D D P V V S Q F I S V P A D M K D L N C G A Y N A |
| UniRef90_UPI00034929C | G L E R S V E G D E Y M I T C N S P P L T Q H I S I P R D M G Q L S C E A F T A |
| UniRef90_W0T615 | D L V K S S E R D N E Y M I I D N E P I S Q F I N Q P A Q H T S V Q C E S F T C |
| UniRef90_Q6CPP3 | D L V K S S E R D N E Y M I I D N T P L T N Y I S V P K E M S Q L S V A A Y I A |
| UniRef90_W9Y4T6 | S L E Q S T T T N P G E Y M I I D N T P L T N Y I S V P K E I S Q L N C A A F V A |
| UniRef90_F9X1V4 | A L E Q S N D K K N E Y M I V D N E P V V N Y I S V P K E M S Q L N C A A Y V A |
| UniRef90_R7Z7K9 | A L E R S A T E K E L Y M V T D N D P L V N Y I S V P K E M S Q L N C A A Y V A |
| UniRef90_C1GHY0 | A L E H S A A T P N E Y M I T D N D P L V N Y I S V P K E M S Q L N C A A Y V A |
| UniRef90_U6GBP9 | V L S S P N D E R S C T F V F S S N P L A D F V E L P P S L A S L S Y S N L I C |
| UniRef90_A0CBH6 | S I E R R L K D R P N D Y L I R D E N P L V N Y I S V P K E M S Q L S P A Q F M C |
| UniRef90_H0XQ40 | K L E Q A N D A C Y F Y I I G R Q P L I N T Y I S V P K E M S Q L N C A A Y V A |
| UniRef90_A7AU16 | L L K G K D D P S E Y M I N D D L Q I T K Y I S T P K D L Q H T S C A S F V A |
| UniRef90_D2VF11 | T I E K A A A P G E Y M I Y E K E P L T K F I S P P R D M N V Q C A Y F S A |
| UniRef90_E3L3N3 | V L E H S N E N E D E Y M I S D N D L L T R A I T I P K D M S Q L S C G A Y M A |
| UniRef90_L2FX05 | R L E K S A D K P D E Y M I I D N E P L V N Y V S V P R E L S Q L N C A A F M A |
| UniRef90_A9TMK6 | S L E K G T E H E D E Y M I S E K E L V N F V I S V P A M G G F N C G T F V A |
| UniRef90_F4RQH4 | I L E H S N E N D D E Y M I S D N C L L T K S I T I P K D M S Q L S C G A I M A |
| UniRef90_UPI0003C14DEE | K L E Q N D D A R T F Y I I E R E P L I N T Y I S V P K E N S T L N C A S F T A |
| UniRef90_V6LKG2 | I K D V P V S S G E D G I S L L I K S N P I T A E M V L P R H L N S I K P D S I M C |
| UniRef90_Q4N4M8 | L L K E R D D D N K E M Y M L N D R E F Q I T K Y I S I S P M K E L Q Y M S C G S F I G |
| UniRef90_G5E2V9 | K L E Q A N D D K T Y Y I I K D P L I N S Y I I S V P K E N S T L N C A S F T A |
| UniRef90_F2Q084 | A L E H S P N T P N E Y M I T D N D P L T N Y I S V P K E M M N M L N C A A F V A |
| UniRef90_Q6FMN4 | D L V K S S E R E N E Y M I V D N K P L T Q F I S G K N V S C D Y F V C |
| UniRef90_A2DKK6 | D L E Q Q I D D A N C Y M L Y D N T P I T T Y I S S Y P Q E R K G F T C C S F V A |
| UniRef90_A8Q0L7 | N L E R S T E S D D E Y M I T T N V P L S R G I S V P K E M T Q L S V E A Y A A |
| UniRef90_E3K959 | T K L T S G L R E F T L S F D E N V L A E F V E L P E D A G G L W Y S Q I L C |
| UniRef90_U1HTW2 | S L E Q S T T N P G E Y M I I D N T P L T N F I S V P K D M S Q L S C A A F V A |
| UniRef90_V6LGG3 | V S S Q E E L S Y Q I K L E R S D P E F S F V K V P N Q L T G L C Y S T V I P |
| UniRef90_B8PC92 | A I E K S V E N A D E Y M I I D D P P I T R H I S V P R D M S Q L S C S S F T A |
| UniRef90_J3QDE2 | V L E H S N E N E D E Y M I S D N D L L T R A I T I P K D M S Q L S C G A Y M A |
| UniRef90_A5BK7 | S L E K G T E H E D E Y M I S E K E L V N F I S I P K D M G T F N C G A F V A |
| UniRef90_I7LU45 | G I F P E D G V K Y G Y L I R D D N P T V I L R Y I S E V Q G Q N G A A F V A |
| UniRef90_A7WPH9 | D L V K S S E R E N E Y M I V D N K P L T Q F I S G E S V S C D Y F V C |
| UniRef90_Q5AY05 | A L E H S P D T P N E Y M I T D N D P L V N Y I S V P K E M N Q L N C A A F V A |
| UniRef90_G7YIU1 | E L E Q D G G D K N T Y Y I I E H E P V V N F V I S P F D E K A V P L N T A A F N C |
| UniRef90_UPI000252AD61 | K L E H A N D D E R T Y Y I I E K E A V N F I S V P K E N S T L N C A S F I A |
| UniRef90_A0A023BA01 | L F K C G D N Q N D Y M I T D H K F M L T K Y C H E P R G D S F L D Y G A F A A |
| UniRef90_J3Q022 | A S Q V T S G L L G F T L S F N K N V L A E F V E V P E D A G G M W D S Q I C C |
| UniRef90_W2S9Z8 | S L E Q S T T N K N E Y M V I D N T P L T N Y I I T V P K E M S Q L S V A A Y I A |
| UniRef90_H6BMZ9 | S L E Q S T T N P G E Y M I I D N T P L T N Y I I S V P K E M S Q L S V A A Y I A |
| UniRef90_UPI0003C8D77A | K L E Q N D D A R T F Y I I E R E P L I N T Y I I S V P K E N S T L N C A S F T A |
| UniRef90_R1FRH7 | S L Q K V Q D S D D E F M I V E K E P L V N F I S S A P V N C A A F V A |
| UniRef90_U6KYV3 | L L R A Q D T E L E Y M I N D K E L L T N F I S S P P R D L G H L N C G A F A A |
| UniRef90_W4YK81 | K L E H A N D D E R T Y Y I I E K E A V N F I S V P K D K G S L N C A S F I A |
| UniRef90_A2DFH3 | N K Q V Q T Q V D G K N I I L T F P P F T Q N V Q I P E L Y S G V H F T G M P |
| UniRef90_W6KML9 | E I Q R E A N S D R F F V F D A N P L V L R Y V N P E G H W N V N Y A S F M G |
| UniRef90_W4G323 | A L E R S T G N E N E |
| UniRef90_Q0CWE0 | A L E H S P D T P N E Y M I T D N D P L V N Y I S V P K E M S M L N C A A F V A |
| UniRef90_U6HGG7 | D L E R D G D E H T Y Y M I I E R E P V V N K F T R F T Y D H S E L N L A A F N C |
| UniRef90_C5LZX1 | V L T T D Q E C E F Y L A D K Q W I L N K F I S L P P D D N F V N C A A F A A |
| UniRef90_Q4D2W2 | D L Q R E T G S D R F F I F D T E P I V L R Y V Y P E G R W S I N Y A S F M G |
| UniRef90_G4M1E3 | E L E R D V E D N I F Y M I E H E P V V M N R F I E K R K T S A P L N V A A F N A |
| UniRef90_T1K5T1 | K L E H S N D D P T T Y Y I I E S D P I V N Y I S Y N R D K G S L N C A S F I A |
| UniRef90_B5XBX6 | K L E Q A N D G |
| UniRef90_R7V4D7 | K L E H N D D E R T C I L I |
| UniRef90_G0R1L6 | I E D F R T E G K D F N V M N T K P L A E F V E I P E Q L N G L Q Y N N I I C |
| UniRef90_J8LJF6 | D L V K S S E R E N E Y M I V D N F P L T Q F I P G E N V S C E Y F V C |
| UniRef90_A7TA84 | K L E Q A N D D K T Y Y I I E K E P L V N F I S V P K D K G G L N C A S F T A |
| UniRef90_A0A016SCV3 | K L E R S N D D Q C T Y L I I E K E P V V N F I S V P K D K G M L N C A A F V A |
| UniRef90_E5SKP2 | K L E R E R N N Y I I E R E P L V N F I S V P K D K G N L N C A S F T A |
| UniRef90_S9VJW7 | E V Q R E S G S D R Y F L G D S D P I V D Y V D S E G R W T V N Y A S Y M G |
| UniRef90_E9BSK8 | E I Q R E S N S D R F F L F D S D P I V D Y V D S E G R W N V N Y A G F M G |
| UniRef90_Q7RE91 | L L K S Q D S I Y E Y M I C D Q N I L N K F I A V P K D Y G N I N C A S F A A |
| UniRef90_T5ALA2 | |
| UniRef90_U6IKF0 | D L E K D G D E R T Y Y M I E R E P L V S K Y T E S E R K A V P L N L A A F N C |
| UniRef90_H3FNI7 | K L E R S N D D D N |
| UniRef90_C9ZZ12 | D L Q Q E G E S T R Y F L V D S N P M V L Q H V E Y M D S E G Q I N Y A S F M G |
| UniRef90_UPI00039928B8 | K L E Q A N D D K T Y Y V I E K E P L V N F I S V P K E N S T L N C A A F T A |
| UniRef90_I2FTV8 | S L E R S T E G D E C |
| UniRef90_C5DT91 | D L V K S S E R E N E Y M I V D N F P L T Q F I S P A G R S C D Y F T C |
| UniRef90_C5DM27 | D L V K S S E R E N E Y M I I D N T P I T T R F I S S T N V Q C D F F V C |
| UniRef90_M0QZQ8 | K L E Q N D D A R T F Y I I E R E P L I N T Y I S V P K E N S T L N C A S F T A |
| UniRef90_L8WYL9 | G I E K S V E K E D M I I D N D P P I T R Y I S V P K D M D Q L S C S A L T A |
| UniRef90_W5B2S4 | S L E K G T E H E D E Y M I S E K E L L V N F I S V P K D M G A F N C G A F V A |
| UniRef90_Q03337 | D L V K S S E R E N E Y M I V D N F P L T Q F I S P G E N V S C E Y F V C |
| UniRef90_G0UUN3 | D L Q Q E N S D R Y F L F D S N P I V L R H V F P E G Q W N I N Y A S F M G |
| UniRef90_B0EPY8 | V G R V K G K T N E F L I T D K N L I T E F M S Y G N E K N Y C V A Y V A |
| UniRef90_I7IQV6 | L L K S Q D S H Q D E Y M I S D K R M I S V P K D Y G N I N C A S F A A |
| UniRef90_G8BSU5 | D L V K S S E R E N E Y M I V D N E P L T Q F I S G N F S C N Y F M C |

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|------------------------|--|
| UniRef90_Q0UDG6 | G V E G V C D G A G F P T E V T A H S |
| UniRef90_B6HM03 | G I E G V C D G C G F E T K V S A H N Q P L W P S R T V F L V R F |
| UniRef90_UPI00045603B3 | G I V E A A L D G L G F P P A R V T A H S V P T P E F P R T T I L I K L D R |
| UniRef90_UPI000328F2B1 | G V V N V H L A A D V T F L Q D K L K G D S V T E I G I T F L K K L |
| UniRef90_L8HI86 | G V V N G V L D A A E F P V S A H Y V K P K T V I L I K F |
| UniRef90_E4XK01 | G V I E A T L C A G G F P C K V T T H W H K G T T F M L Q F |
| UniRef90_M1VMR7 | G I V Q G V L T A S G F P C R V D A H Q |
| UniRef90_B7Q0S6 | G I I E A I L I G C N F P A K V T A H W Y K G T T F M I K F |
| UniRef90_L8X7T3 | G V L R G A L E M V Q M Q V E A T F I S D V L R G D D A T E I Q V R L I K Y L |
| UniRef90_G7E7R5 | G L V E A I C D G G N C Q A R V T A H S V P T D A F P R T V L L V K L |
| UniRef90_C5PDC0 | G I I E G V C D G C G F E A K V T A H N Q G N E R T V F L V K F |
| UniRef90_G8JU67 | G I I E G V L D H A G F P C R V T H T D P E G D Q R T V Y L I Q F R K Q V |
| UniRef90_D2DSN9 | G I I E A T L V S T G F P A K V T A L T T T L M I K F |
| UniRef90_A0A058Z986 | G I I A G F L E R A Q F P A S V S A H T T V P T D Q Y P Q S V I L I K L D Q K V |
| UniRef90_UPI00034929C | G L V E G V L D G L D V P A R V T A H T V P T D Q Y P Q S V I L I K L D Q K V |
| UniRef90_W0T615 | G I I E G F L D M A G F P C H V T T T L M I K F |
| UniRef90_Q6CPP3 | G I I E G F L D M A G F P C H V T F V E E T T T L M I K F |
| UniRef90_W9Y4T6 | G I I E G V C D G A G F E C K A S A H T T L M I K F |
| UniRef90_F9X1V4 | G I I E G V C D A A G L E M E T T T L M I K F |
| UniRef90_R7Z7K9 | G I V E G V C D G C G F E A K V T A H T T L M I K F |
| UniRef90_C1GHY0 | G I I E G V C D G C G F E A K V T A H T T L M I K F |
| UniRef90_U6GBP9 | G V I K G A L E Q L T T L M I K F |
| UniRef90_A0CBH6 | G I L K G V L N A S G F T C Q V S Y T T L M I K F |
| UniRef90_H0XQ40 | G I V E A M L T H S G F P A K V T W H K D T T L M I K F |
| UniRef90_A7AU16 | G I V E G L L T T L M I K F |
| UniRef90_D2VF11 | G I I K G A L N A A D F T T T L M I K F |
| UniRef90_E3L3N3 | G I V E G A L D G L G F P S R V T S H S A P P Q F P K R T T L L I K F E K |
| UniRef90_L2FX05 | G I G A G F P A R V S A H N L K D D K M T V F L V K F |
| UniRef90_A9TMK6 | G I V K G V L D G A G F P A S V T F V A V E G Q T R S R T T L L I K F E K |
| UniRef90_F4RQH4 | G V V E A S L D G L G F P A R V T S H S A P S D E R T T L L I K F E K |
| UniRef90_UPI0003C14DEE | G I V E A V L T H S G F P A K V T A H W H K G T T L M I K F E K |
| UniRef90_V6LGK2 | G A V Q G A L T T L G W A T V V T F E Q D T L T T K T A E I V E E L T T L M I K F |
| UniRef90_Q4N4M8 | G I V Q G I L T S A K F N V T V S A H T T L M I K F |
| UniRef90_G5E2V9 | G I V E S L L T C S G F P A K V T A H W H K G T T L M I K F |
| UniRef90_F2Q084 | G I I E G V C D G C G F E A S V T A H N Q G N D R T V F L V K F |
| UniRef90_Q6FMN4 | G I I H G Y L T S A G F P C K V T P H S M P Q D G D N R V V F L I Q F D K Q V T T L M I K F |
| UniRef90_A2DKK6 | G I I Q G I L C S S G F G C K V T A I T T L M I K F |
| UniRef90_A8Q0L7 | G I V E G A L D G L G F H V T T L M I K F |
| UniRef90_E3K959 | G V I R G A L E M V G M A V E A K F V S D V L R G D D T T E I K V R L I K Y L T T L M I K F |
| UniRef90_U1HTW2 | G I I E G V C D G A G F E S R V S T T L M I K F |
| UniRef90_V6LGG3 | G A I S G A L K A V G W S A T S S I Q T T L M I K F |
| UniRef90_B8PC92 | G V V E A V L D G L G F P A R V T A H N T P T D Q Y P R T T I L I K F E K |
| UniRef90_J3QDE2 | G I V E G A L D G L G F P S R V T S H S T T L M I K F |
| UniRef90_A5BKF7 | G I V R G V L D S A G F P A V V T A H F V P M E G R P R T T I L I K F |
| UniRef90_I7LU45 | G I I Q G M L N H S G F E A E V T I Y Q D T E N N S E I S M T T L M I K F |
| UniRef90_A7WPH9 | G I I H G Y L D G A G F P S K V T T L M I K F |
| UniRef90_Q5AY05 | G I I E G V C D G C G F E A K V T A H T T L M I K F |
| UniRef90_G7YIU1 | G I V E A F L T N T G Y P C T V T T T L M I K F |
| UniRef90_UPI000252AD61 | G I V E A I L C D C G F Q A K V T A H W H K G T T Y M V K F T T L M I K F |
| UniRef90_A0A023BA01 | G I I E G L L C D A E F P A T V T A H T N P D P K D R T V T F L I K F T T L M I K F |
| UniRef90_J3Q022 | G F I R G A L E M V T T L M I K F |
| UniRef90_W2S9Z8 | G I L E G V C D A S G F A A K V S A H T T L M I K F |
| UniRef90_H6BMZ9 | G I I E G V C D G A G F P C K A S A H N T P T D Q Y P R T T I L I K F |
| UniRef90_UPI0003C8D77A | G I V E A V L T H S G F P A K V T A H W H K G T T L M I K F T T L M I K F |
| UniRef90_R1FRH7 | G R I L G R R L A A A Q F P A E V S A H D N E E G A T V L L I K F |
| UniRef90_U6KYV3 | G I I E G L L C S A E F T T L M I K F |
| UniRef90_W4YK81 | G I L R G I F E I F H F R V N T T L L E T T L M I K F |
| UniRef90_A2DFH3 | G I M Q G A L Q S M G F D C E V T T L M I K F |
| UniRef90_W6KML9 | G I I E G V C D G C G F E A K V T A H T T L M I K F |
| UniRef90_W4G323 | G I I E S A L T C A G F P C E V T T L M I K F |
| UniRef90_Q0CWE0 | G I I E G V C D G C G F E A K V T A H T T L M I K F |
| UniRef90_U6HGG7 | G I I E S A L T C A G F P C E V T T L M I K F |
| UniRef90_C5LZX1 | G I I E G A I N A V G M Q C K C T T T L M I K F |
| UniRef90_Q4D2W2 | G I V E G A L K A I G F A A E V T T L M I K F |
| UniRef90_G4M1E3 | G I V E A F L S G I G Y P C T V T T T L M I K F |
| UniRef90_T1K5T1 | G I I E N A K V T V H W H K T T L M I K F |
| UniRef90_B5BXB6 | G T T F M I K F |
| UniRef90_R7V4D7 | G I L R G I F E I F H F R V N T T L L E T T L M I K F |
| UniRef90_G0R1L6 | G I V K G A I Y Q I L L I G K V F V Y K D I L L G D E K T I I R V E V R R T T L M I K F |
| UniRef90_J8LJF6 | G I V K G F L F N A G F P C D V T A H R M P Q S G Y S H T V Y L I Q F D R Q V T T L M I K F |
| UniRef90_A7TA84 | G I I A T T A H T T T L M I K F |
| UniRef90_A0A016SCV3 | G I I Q A M L E A S N F P C Q V S A H T T T L M I K F |
| UniRef90_E5SKP2 | G I I E A T T T L M I K F |
| UniRef90_S9VJW7 | G I I Q G A L Q S M N F D C E V T T L M I K F |
| UniRef90_E9BSK8 | G I I Q G A L Q S M G F E A E V T T L M I K F |
| UniRef90_Q7RE91 | G I V E G F L C S S E F Q A E V T A H T T N K N D E N T T I F I K F T T L M I K F |
| UniRef90_T5ALA2 | G I I E S A L S S A G F P C K V T T L M I K F |
| UniRef90_U6IKF0 | G I I E S A L S S A G F P C K V T T L M I K F |
| UniRef90_H3FNI7 | G I I E S A L S S A G F P C K V T T L M I K F |
| UniRef90_C9ZZ12 | G I V E G A L R A V G F D A D V T T L M I K F |
| UniRef90_UPI00039928B8 | G I V E A V L T A S G F P A K V T A H W H K G T T L M I K F T T L M I K F |
| UniRef90_I2FTV8 | G I I Q G F L D S A E F P C R V S A H S M P Q G D Q R T V Y L I Q F D R Q V T T L M I K F |
| UniRef90_C5DT91 | G I I E G V L D S A E F P C T V T A H S V P E D K F N R R V V F V T T L M I K F |
| UniRef90_C5DM27 | G I I V E A V L T H S G F P A K V T A H W H K G T T L M I K F T T L M I K F |
| UniRef90_M0QZQ8 | G I I V E A V L T H S G F P A K V T A H W H K G T T L M I K F T T L M I K F |
| UniRef90_L8WYL9 | G I I V E A V L T H S G F P A V V T A H F V P I E G R P R T T I L I K F T T L M I K F |
| UniRef90_W5B2S4 | G I I V R G V L D N A G F P A V V T A H F V P I E G R P R T T I L I K F T T L M I K F |
| UniRef90_Q03337 | G I I V K G F L F N A G F P C G V T A H R M P Q G G H S Q T V Y L I Q F D R Q V T T L M I K F |
| UniRef90_G0UUN3 | G I I V E G A L K A I G F D A E V T T L M I K F |
| UniRef90_B0EPY8 | G I I V E G A L K A I G F D A E V T T L M I K F |
| UniRef90_I7IQV6 | G I I G M A Q A C I D G A D F K G N V N Y G E D T T L M I K F |
| UniRef90_G8BSU5 | G I I K G F L S Q A G F E C T V S P H P D V T T L M I K F |

UniRef90_Q0UDG6
UniRef90_B6HM03
UniRef90UPI00045603B3
UniRef90UPI000328F2B1
UniRef90_L8HI86
UniRef90_E4XK01
UniRef90_M1VMR7
UniRef90_B7Q0S6
UniRef90_L8X7T3
UniRef90_G7E7R5
UniRef90_C5PDC0
UniRef90_G8JU67
UniRef90_D2DSN9
UniRef90_A0A058Z986
UniRef90UPI0003F4929C
UniRef90_W0T6I5
UniRef90_Q6CPP3
UniRef90_W9Y4T6
UniRef90_F9X1V4
UniRef90_R7Z7K9
UniRef90_C1GHY0
UniRef90_U6GBP9
UniRef90_A0CBH6
UniRef90_H0XQ40
UniRef90_A7AUI6
UniRef90_D2VF11
UniRef90_E3L3N3
UniRef90_L2FX05
UniRef90_A9TMK6
UniRef90_F4RQH4
UniRef90UPI0003C14DEE
UniRef90_V6LKG2
UniRef90_Q4N4M8
UniRef90_G5E2V9
UniRef90_F2Q084
UniRef90_Q6FMN4
UniRef90_A2DKK6
UniRef90_A8Q0L7
UniRef90_E3K959
UniRef90_U1HTW2
UniRef90_V6LGG3
UniRef90_B8PC92
UniRef90_J3QDE2
UniRef90_A5BKF7
UniRef90_I7LU45
UniRef90_A7WPH9
UniRef90_Q5AY05
UniRef90_G7YIU1
UniRef90UPI000252AD61
UniRef90_A0A023BA01
UniRef90_J3Q022
UniRef90_W2S9Z8
UniRef90_H6BMZ9
UniRef90UPI0003C8D77A
UniRef90_R1FRH7
UniRef90_U6KYV3
UniRef90_W4YK81
UniRef90_A2DFH3
UniRef90_W6KML9
UniRef90_W4G323
UniRef90_Q0CWE0
UniRef90_U6HGG7
UniRef90_C5LZX1
UniRef90_Q4D2W2
UniRef90_G4M1E3
UniRef90_T1K5T1
UniRef90_B5XBX6
UniRef90_R7V4D7
UniRef90_G0R1L6
UniRef90_J8LJF6
UniRef90_A7TA84
UniRef90_A0A016SCV3
UniRef90_E5SKP2
UniRef90_S9VJW7
UniRef90_E9BSK8
UniRef90_Q7RE91
UniRef90_T5ALA2
UniRef90_U6IKF0
UniRef90_H3FNI7
UniRef90_C9ZZ12
UniRef90UPI00039928B8
UniRef90_I2FTV8
UniRef90_C5DT91
UniRef90_C5DM27
UniRef90_M0QZQ8
UniRef90_L8WYL9
UniRef90_W5B2S4
UniRef90_Q03337
UniRef90_G0UUN3
UniRef90_B0EPY8
UniRef90_I7IQV6
UniRef90_G8BSU5

The figure displays a sequence logo for UniRef90 entries, showing the conservation of amino acids across different positions. The x-axis represents positions 1, 10, 20, 30, and 40. The y-axis lists UniRef90 entries. Each position has a stack of colored boxes representing the probability of each amino acid at that position. Red indicates high conservation, while blue and green indicate lower conservation.

50 60 70 80

| | | | |
|------------------------|--|---|--|
| UniRef90_G8ZMF5 | | S R D L K I L D M L Q F V H G T V W S Y L F G H V S D | |
| UniRef90_J7RXA7 | | R R D L K I L D L L Q F I H S T L L W S Y L F R H V S D | |
| UniRef90_T1JUZ1 | | N Y K R E T K L I N I L I F S S A V W K S L F G K N A D | |
| UniRef90_G0R4L8 | | M R M T E L I S Y K E K E G R E N T T D G V M N F L A K D M W R V V F G Y Q V N | |
| UniRef90_UP10002C3F51F | | L K L L D L L S A R S N P T R P T R V L A L L Q F I T T T L W K H L F N R P A D | |
| UniRef90_K2SHS1 | | V R M I E L I Y C R E R L K K E S K H I E I L Q F I S S A V W K S L F G K N A D | |
| UniRef90_H2B1V9 | | R R D L K I L D L L Q F I H G T L W S Y L F N H V S D | |
| UniRef90_Q5C1W7 | | E R M V D V V Y S R E K P K R D I R L Y N A L I F L K S N F W K S L F G K E A D | |
| UniRef90_G0V7A4 | | T R S S I L F S A N S N S R R D L K I L D I L L Q F I H G T L W S Y L F H H V S D | |
| UniRef90_C4WU32 | | W R L I E R I T K E L P P R Y K E E L E V L K F I C T D F W S C V Y K K Q V D | |
| UniRef90_C6LSK5 | | V R M L D K M R S K S Q D T I C K L T R P I L H Y L K D T V W P I L F G K P A T | |
| UniRef90_A8BA91 | | V R M L D R M R S K T Q D T V C K L T R T V L Y Y L K E T V W P I L F G K P A D | |
| UniRef90_J4C884 | | C R I L D A L T I K D K I T R F T T I V P L L S F I S T S S V W K Y L F N H H A V | |
| UniRef90_A7TDQ9 | | R C R D I I D I I L Q F M H G T V W T Y L F G S P S N | |
| UniRef90_G3AVF7 | | V K I A E V L L Y R A G G N K I V D I L D I M K F V C R D V W K C L Y N K Q M D | |
| UniRef90_V6M3T7 | | A R L W E Q F C L R R G V R A P L D L Q D V L N A V R A P F W A F L F G E D E D | |
| UniRef90_Q54T7 | | H R L V E R L S L D T A L F P E L L D A V K F I C K V F W T T V F K K T D | |
| UniRef90_C5MG52 | | L K I A E V L L Y K S S G S K V V D I L D I M K F V C R D A W R C L Y N K Q M D | |
| UniRef90_B9WKA1 | | L K I A E V L L Y K S S G N K V V D I L D I M K F V C R D V W K C L Y N K Q M D | |
| UniRef90_E0S9Z8 | | I K L L E V C N F E R E V H I P T L L Y R I A F D F L S L V G D S D K R | |
| UniRef90_F4PUP7 | | Y K M V E R L C L D L P L F P E V L E I V K F I C R S F W T A V F K K S D | |
| UniRef90_A5E7B6 | | L K I A E I L L Y K N S K T K I L D T L D I M K F I C C R D V W K C F D K Q M D | |
| UniRef90_A3LWB7 | | L K L A E V L L Y K T S G T K L V D I L D I M K F V C C R D V W K C L Y N K Q M D | |
| UniRef90_Q6BKS7 | | L R I S E L I M F K S S N Q K M V D I L D I M K F V C C R D V W R V L Y G K Q M S | |
| UniRef90_I1ENL0 | | A R M M E R S C R D V P R F R T E L D A M V F L C K Q F W V H F N K Q D | |
| UniRef90_A9URR0 | | D R F G E L F V I R D N N K R E L K P I N Q L I Q I Q T N L W K P C S V | |
| UniRef90_U6MGQ9 | | Y K V L E L V S F R E R A K R E T R I V P F L S F V A S A V W R C L F G R S M E | |
| UniRef90_Q75BK6 | | S K V T E L L V F S N N P G Q G M D L G V M K F I C R E V W K H F G K Q I D | |
| UniRef90_H2XLK9 | | V S L L G E Q L T K D L P R F R D E L E V V M K F I C R D F W S S L Y Q K Q V D | |
| UniRef90_D2VAM4 | | L R I A E K L T K D R T T R F N D D L D I I K F I C C K E F W A E V F R K G V D | |
| UniRef90_Q8SU25 | | I K L L E L L C N F E R E V R I S T L L Y R A T F D F L L S L V S D S D R R | |
| UniRef90_C4V8Y5 | | R M A L E H D F Q R E L D L E S L L Y K I T Y T F L D K I Y Y S T S R | |
| UniRef90_A5DAF5 | | I R L A D L L A Y K A S S G K V V D I L D I M K F I C C R D V W K A L Y G K Q M D | |
| UniRef90_R1CMU3 | | E R L A E R Y T K D R P R F A D T L E I I K F I C C K D F W Y E I Y G K Q I D | |
| UniRef90_V3ZPA8 | | Q S L L I E R F T K D S A R F K D E L D T M K F I C C K E F F W N A I Y K K Q V D | |
| UniRef90_T5A407 | | Q G L L V E R F S R D R P R F N D T L D V I K F I C C K D L W S L V F G K N I D | |
| UniRef90_G9NKV9 | | Q G L L V E R F S R D R P R F N D T L D V I K F I C C K D L W S L V F G K N I D | |
| UniRef90_C4Y593 | | Q G L L V E R F S R D R P R F N D T L D V I K F I C C K D L W S L V F G K N I D | |
| UniRef90_D3TRF6 | | Q G L L V E R F S R D R P R F N D T L D V I K F I C C K D L W S L V F G K N I D | |
| UniRef90_I6NDN7 | | S K L L T E L L Y N N P N E S M D L L A V V M K F I C C K D L W S L V F G K N I D | |
| UniRef90_W5KJL1 | | Q G L L I E R F T K D C P T K D D L D I I M K F I C C K D L W S L V F G K N I D | |
| UniRef90_E9FYX1 | | Y R F I E R L T K D L S R F K D E L E V V M K A I C C K D F W S A V F K K Q V D | |
| UniRef90_G8BPN1 | | S K L L T E L L V F K N N P N K D A E V V L L I M K F I C C R D V W K C Y N K Q I D | |
| UniRef90_G8B930 | | L K I A E L L L Y Q N S S T K I I D I L D I M K F I C C R D V W K C Y N K Q I D | |
| UniRef90_UP10001CBABA1 | | Q S L L V E R F T K D S P R F K D E L D I M K F I C C R D V W K C Y N K Q I D | |
| UniRef90_R0MAS0 | | R T L L V E K L F K R E L D L I N A L L Y K I T Y N L L E K F Y S S P R | |
| UniRef90_C7Z9W5 | | Q G L L V E R F S R D R P R F N D T L D V I K F I C C K D L W T L V F G K N I D | |
| UniRef90_M2LT53 | | Q G L L V E R F S V N K P R P T N E L L D A I K F I C C K D L W T L V F R K Q I D | |
| UniRef90_M4G2Y3 | | Q G L L V E R F S R D R P R F N D T L D V I K F I C C K D L W T L V F R K Q I D | |
| UniRef90_H0H153 | | S K L L S E L L I F S N N P N K E M D L L I M K F I C C R D V W K Q V F G K Q I D | |
| UniRef90_I3KJV1 | | Q G L L I E R F T K D T A R F K D E L D I I M K F I C C K D F W T T V F K K Q I D | |
| UniRef90_UP100032B15CC | | Q G L L I E R F T K D I A R F K D E L D I I M K F I C C K D F W T T V F K K Q I D | |
| UniRef90_I1CIA8 | | Q R L L I E R F A K D K P R F I D T L D V V K F I C C K D L W L I F K K Q I D | |
| UniRef90_T1JVG1 | | Y R L L I E R I T K D S H R F K D E L D I I M K F I C C K D F W S V I F K K Q I D | |
| UniRef90_C7BVP9 | | Y V M V E Y V S K E V P K F L T E L E V V R F I C C K E F W S A M F G K Q V D | |
| UniRef90_K1WXU7 | | Q G L L V E R F S R D R P R F T D T L D V I K F I C C K D L W T L V F R K Q I D | |
| UniRef90_G1XT68 | | Q G L L V E R F S R D R S R P F T D T L D V I K F I C C K D L W T L V F R K Q I D | |
| UniRef90_Q5AYY2 | | Q G L L A E R F S R D R P R F T D T L D V I K F I C C K D L W T L V F R K Q I D | |
| UniRef90_C1L4I1 | | E K L L I E K A T K D H S R F I N E L D T V K Y V C T E F W S S V Y H K Q V D | |
| UniRef90_T0R9T3 | | Y R F V E R F S R D R S R L L E P D I I K F I C C K D L W H I F K K Q I D | |
| UniRef90_W5JQ82 | | Y R I I I E R L T R E W P R F K D E L D T M K F I C C K D L W F D W S S I Y R K Q I D | |
| UniRef90_F2QUF8 | | L K L V D Y L L Y G T G T P K F D Q V V N I M K F I C C R D V W K Q L F E K Q I D | |
| UniRef90_W4ZHN1 | | Q S L L I E K F T R E S P R F S S E L D I I K F I V C C K D L W N G V Y K K Q V D | |
| UniRef90_Q99394 | | L K L S E L L I F S N N P N K E M D L L I M K F I C C R D V W K Q I F G K Q I D | |
| UniRef90_B9MZL8 | | H Q L S E R Y T I E R P R F T D H I E A I K F I C C K D F W S E L F K K Q I D | |
| UniRef90_H8XAY8 | | L K I S E L L L Y Q S S T T K I I D I L D I M K F I C C R D V W K C Y N K Q I D | |
| UniRef90_I2H1V3 | | C N L T E L L V F S N N P N R D M D I L L I M K F I C C R D V W K Q L F E K Q I D | |
| UniRef90_G0RJ43 | | Q G L L V E R F S R D R P R F N D T L D V I K F I C C K D L W S L V F G K N I D | |
| UniRef90_H3CGW9 | | Q G L L I E R L T K D A A R F K D E L D V M K F I C C K D F W T C V F K K Q I D | |
| UniRef90_R7SJ69 | | Q G L L I E R L C H E R G L F S D T L D A I K F I C C K D L W N A C W E K Q V D | |
| UniRef90_Q8SWC2 | | E R M A D D F F L V S K P R K P M S L V D V S R D I S E S F P H Y F S L R P T | |
| UniRef90_L7JL10 | | Q G L L V E R F S K D R P R L N D T L D V I K F I C C K D L W T L V F R K Q C I D | |
| UniRef90_T0MHQ3 | | Q G M V E R F S I D R P R F T D T L D V I K F I C C K D L W M L V F R K Q I D | |
| UniRef90_L8FNC8 | | Q G L L V E R F S R E R P R M V E T L D V I K F I C C K D I W M I V F R K Q I D | |
| UniRef90_U4L5M6 | | A R M M E R S C R D V P R F R T E L D A M V F L C C K D Q F W V H F N K Q I D | |
| UniRef90_UP100021A4E7F | | Q G L L I E R F T K D T A L F K D E L E I I M N M F I C C K D F W T T V F K K Q I D | |
| UniRef90_F7AB08 | | Q G L L A E R F S R D R P R F T D N L D V I K F I C C R G Y W S H L F Q K D I S | |
| UniRef90_A1CM11 | | Q R S I E R L T K N S P R F T S E I E I V K F I C C R G Y W S H L F Q K D I S | |
| UniRef90_W6U9W1 | | Q G L L V E R F S R E R P P F H D T L D V I K F I C C K D L W M I L F T K Q V D | |
| UniRef90_F0XPM8 | | Q G L L V E R F S R E R P P F H D T L D V I K F I C C T D F W S A I Y K K Q I D | |
| UniRef90_UP10000D5686B | | Y R I I I E R L T K E M P R F K D E L D T M K F I C C T D F W S A V Y K K Q I D | |
| UniRef90_V5FW02 | | F R I I I E R L T K D M P R F K D E L D T M K F I C C T D F W S A V Y M K Q I D | |
| UniRef90_M2YLM3 | | Q G L L V E R F S A G K P R P T T P L E A I K F I C C K D L W Q L L F R K Q I D | |
| UniRef90_C5D152 | | Q K L L S Q L L I F S N N P N K D M D L L S V M K F I V C C R D V W K Q V F G K Q I D | |
| UniRef90_B8ND03 | | Q G L L A E R F S R D R P R F S D N I L D V I K F I C C K D L W T I L F K K Q V D | |
| UniRef90_E0V955 | | F R I I I E R L T R E W S P P F K N E L E T M K F I C C T D F W S S I Y M K Q I D | |
| UniRef90_C0SCJ0 | | Q G L L A E R F S R D R P R F T D N L D V I K F I C C K D F W T I I F R K Q I D | |
| UniRef90_B4JU44 | | Y R L N E R L T R D V T R F K D E L E T M K F I C C T D F W T L I Y K K Q I D | |
| UniRef90_T2MB67 | | H S L L I E K F S K D M T R F K D E L D I M K Y I C C K D F W V L L Y C K Q I D | |
| UniRef90_UP10003F16647 | | Q S L G E R L P R D T L A F R E E L D A L K F I C C R D L W A A V F Q K Q T D | |
| UniRef90_UP10004413BF6 | | A N L V E R R L A R D R A R F H D T L D I V K F I C C K D V W T A V W A K Q I D | |
| UniRef90_S4BF93 | | Q A T I I E R C T R F K D Q L D V I K F I C C K D L W A Y G K Q I D | |

| | 90 | 100 | 110 | 120 |
|------------------------|---|---|---|---|
| UniRef90_G8ZMF5 | D V K S S E R D N E Y M I V D N R P L T Q F I P G V S C D Y F V C | D L V K S S E R S N E F M I I D N N P L T Q F I N P S F N H N G S C D Y F V C | D L V K S S E R S N E F M I I D N N P L T Q F I N P S F N H N G S C D Y F V C | D L V K S S E R S N E F M I I D N N P L T Q F I N P S F N H N G S C D Y F V C |
| UniRef90_J7RXA7 | | | | |
| UniRef90_T1JUZ1 | K L E H S N D D P I T Y Y I L E S D P I V N Y I S Y N R D E G S L N C A S F I G | | | |
| UniRef90_G0R4L8 | G I T T A E G E Q Y G Y F I K D Y N P L I K Y I S E D E R I G G A A L I V | | | |
| UniRef90_UPI0002C3F51F | Y G K V R D K A N E F L I T D K N L I I T E Y I S Y A S D C N V Y C V A F V A | A L E R A A A A S T D Y M I T D N A P L V E Y V S T P K E M S S L N V A A | A L E R A A A A S T D Y M I T D N A P L V E Y V S T P K E M S S L N V A A | A L E R A A A A S T D Y M I T D N A P L V E Y V S T P K E M S S L N V A A |
| UniRef90_K2SHS1 | | | | |
| UniRef90_H2B1V9 | D L V K S S E R S N E F M I I D N N P L T Q F I N P S F N H N G S C D Y F V C | | | |
| UniRef90_Q5C1W7 | E L E R D V D E N I F Y M I E H E P L V N | | | |
| UniRef90_G0V7A4 | D L V K S S E R S N E F M I I D N N P L T Q F I P Q S S K F L N S C H F V C | | | |
| UniRef90_C4WU32 | N L R T N H Q G V Y V L H D N E F R F F S K L S N G T Q Y L K Y A T F T C | | | |
| UniRef90_C6LSK5 | D I K K P A T E T L E Y Y F V D E W P V L E Y T S Y P P N Y G G A L P P S M F V A | | | |
| UniRef90_A8BA91 | I K K P A T E D L E Y Y L V D E W P V L E Y Y T S Y P P N Y G G A L P P S M F V A | | | |
| UniRef90_J4C884 | L M R G K D S Y K E Y M L N D K E F Q I T K Y I S M P R E L Q Y S T C S S F I A | | | |
| UniRef90_A7TDQ9 | D L V K S S E R E N E Y M I V D E H M L T Q F I S N N N S C D Y F V C | | | |
| UniRef90_G3AVF7 | N L R T N H R G T F V L V D T N Y K I S A L N S P H G M Q D L S Y M W F P C | | | |
| UniRef90_V6M3T7 | V Q Q R L K D N N G F Y L I E R E P A T D Q Y I S P F R D Y S G I Q P S A V L S | | | |
| UniRef90_Q54TK7 | G L K T N H K G G V F V L T D S K F Q W Q H L S F D S S A S N K D C S Q F T A | | | |
| UniRef90_C5MG52 | N L R T N H R G T F V L V D N N F K L I S Q L N S S K G M Q D T L Y L W F P C | | | |
| UniRef90_B9WK1 | N L R T N H R G T F V L V D N N P L N S S K G M Q E T L A K A K Y L W F P C | | | |
| UniRef90_E0S9Z8 | I D K S E D S D K T Y F L T D A D G V L S R F M S V P T E W D G F S A D S V V C | | | |
| UniRef90_F4PUP7 | G L K A N R K G V F V M T D Q K F Q W L H L S Y D P T S T N K D C S Q F A V | | | |
| UniRef90_A5E7B6 | N L R T N H R G T Y V L V D N N F F K L I T T L N S A K G L Q Y L W F P C | | | |
| UniRef90_A3LWB7 | N L R T N H R G T F V L V D N N Y K L I Q K L N S P K G A K S R V Y L W L P C | | | |
| UniRef90_Q6BKS7 | N L R T N H R G T F V L V D N N F F K L I Q K L N S P K G A K S R V Y L W F P C | | | |
| UniRef90_I1ENL0 | H L K T N N Q D V F V L Y D N N F F L T D S S Q Y S D E L S R Y V A F T S | | | |
| UniRef90_A9URR0 | V A H G A E N G D I F V I T L D | | | |
| UniRef90_U6MGQ9 | L L R A Q D T E L E C | | | |
| UniRef90_Q75BK6 | N L K T N H R G T F Y L F D D Y Q P I R D F L E G E V S E R E L R Y L H L P C | | | |
| UniRef90_H2XLK9 | N L R T N H Q G V Y V L Q D N A L L T H I S V G K Q Y L D C H R Y L A L S C | | | |
| UniRef90_D2VAM4 | N L K T N N R G T Y V L N D N F L S R F T S N P D E T N N A D Y V V F A C | | | |
| UniRef90_Q8SU25 | V E K A R D V D R T Y L L T D S D G L F S R F I S V P D E W N G L S A D S I V C | | | |
| UniRef90_C4V8Y5 | K L E V S T K N S K E Y Y I F E H E P L S Q H V S L P E S W K D F C P E S I M S | | | |
| UniRef90_A5DAF5 | N L R T N H R G T F V L V D N G H R M I A H L S L A K A H T Y L W Y P C | | | |
| UniRef90_R1CMU3 | K L Q T N N R G V Y M L Q D N R P A A E R Q S T A K Q M G A T Y G K F P C | | | |
| UniRef90_V3ZPA8 | N L R T N H Q G V Y V L Q D N R F K F L T Q I S N G K Q Y M K Y L A F P C | | | |
| UniRef90_T5A407 | N L K T N H R G G V Y V L T D N V F R P F S R M S T E A G G Q A F L W F P C | | | |
| UniRef90_G9NKV9 | N L K T N H R G G V Y V L T D N A F P F S R M S T E T G S Q A F L W F P C | | | |
| UniRef90_C4Y593 | N L R T N H R G T F V L V D N N H R L V A R L S S A A G T S D T N F L W F P C | | | |
| UniRef90_D3TRF6 | N L R T N N Q G M Y V V Q D K R F L T R I S S G P K Q L Q H A K F V A F T C | | | |
| UniRef90_I1NDN7 | N L K T N H R G T F Y P I Q D F S E I S E K E L Q M V Y L E I P C | | | |
| UniRef90_W5KJL1 | N L R T N H Q G T Y V L Q D N K F R L T L T Q V S S G K Q H L K Y L A Y S C | | | |
| UniRef90_E9FYX1 | N L R T N H Q G G V Y V L Q D N K F R F L A S I S N S R Q Y L K Y L V F T C | | | |
| UniRef90_G8BPN1 | N L K T N H R G T F Y L F D D Y R P I R N F V S L L E K E T S L A F L E I P I | | | |
| UniRef90_G8B930 | N L R T N H R G T F V L V D N N L I S Q F A A S S D H D T L K Y L W F P C | | | |
| UniRef90_UPI0001CBABA1 | N L R T N H Q G G V Y V L Q D N R F R L L I Q I A G K Q Y M E Y A A F P C | | | |
| UniRef90_R0MAS0 | K L E A S R D Q P N V Y H I I E Y S P L T G H V S N K N N F C G D S V T | | | |
| UniRef90_C7Z9W5 | N L K T N H R V R I C Y V Y V L T D N V F R P F S R M S T E A G G Q S F L W F P C | | | |
| UniRef90_M2LT53 | N L K T N H R G G I F V L T D N P L S K M S I D R R A G N Q T Y L Y Y P C | | | |
| UniRef90_M4G2Y3 | N L K T N H R G G V Y V L T D N S F R P F P F A R M S A E A G G L R F L W F P C | | | |
| UniRef90_H0H153 | N L K T N H R G T F Y L L D D Y D R P I Q S F S L D E D A K E L K F L E I P M | | | |
| UniRef90_I3KJV1 | N L R T N H Q G I Y V L Q D N K F G L L S H L S V G K Q Y M E P K Y L A F T C | | | |
| UniRef90_UP100032B15CC | N L R T N Q G G I Y V L Q D N K F R L L T Q M S A G K Q Y L K Y L A F I P C | | | |
| UniRef90_I1CIA8 | N L K T N H R G G V Y V L Q D N K F R F L L T Q M S A G K Q Y L K Y L A F I P C | | | |
| UniRef90_T1JVG1 | N L R T N H Q G G I Y V L L D H R F R F I S N I S S S K Q F K Y L A F S C | | | |
| UniRef90_C7BVP9 | N L R T N Q D N K F C T L R S L A E G Q Q L V R E S G A L V A F P C | | | |
| UniRef90_K1WXU7 | N L K T N H R G G V Y V L T D N P F A R M S T V P R A Q P F L W F P C | | | |
| UniRef90_G1XT68 | N L K T N H R G G V Y V L T D N P F L R P L R M S S R N E A L S Y L W F P C | | | |
| UniRef90_Q5AYY2 | N L K T N H R G G V Y V L T D N P F L R P L R M S S R N E A L S Y L W F P C | | | |
| UniRef90_C1L4I1 | T L K T N Y Q D V Y V L T V N E Q P L L K F E S V P E S M S E I K Y L A F P S | | | |
| UniRef90_T0R9T3 | K L Q T N H R G V F V L Q D F N F L S A E T D A E S K Q K A L V F L V F P C | | | |
| UniRef90_W5JQ82 | N L R T N H Q G G V Y V L Q D N A F R F L T R L S A G S Q Y L K F V A Y T C | | | |
| UniRef90_F2QUF8 | N L R T N H R G T S F T M I S R D S P L G V Q D T L N Q T R K H Y L W Y P C | | | |
| UniRef90_W4ZHN1 | N L R T N H Q G G V Y V L Q D N K F R L L T Q M S S G K Q Y M Q Y L A F P C | | | |
| UniRef90_Q99394 | N L K T N H R G T F Y L L D D Y R P I Q S F S L E E D A K N L K F L E I P V | | | |
| UniRef90_B9MZL8 | N L K T N Q D N K F R M S G D L S V E N G M E D P E S K G A Q A Y C Y F P C | | | |
| UniRef90_H8XAY8 | N L R T N H R G G I F V L V L D N N Y K L I N F I A L E G D Q D T L K Y L W F P C | | | |
| UniRef90_I2H1V3 | N L K T N H R G T F Y L L D Y N P I Q E F A I D E D E S L D A S A I P A | | | |
| UniRef90_G0RJ43 | N L K T N H R P H T N I S A N N S L Q G V Y V L T D N A S R M S F L W F P C | | | |
| UniRef90_H3CGW9 | N L R T N H Q G G I Y V L Q D N M F R L L S Q L S A G Q Y L K Y L A F T C | | | |
| UniRef90_R7SJ69 | N L R T N H R G G I Y V L Q D N Q P L T R I S G W E G R A E S L K Y V A M P A | | | |
| UniRef90_Q8SWC2 | C N G C I I G L G K F L V L Q Y T K K E E C L E M I C | | | |
| UniRef90_L7JL10 | Y E S V E T D S D Q G V Y V L T D N S F R P F A K M S S E A G G Q A F L W F P C | | | |
| UniRef90_T0MHQ3 | K L E S S E N K N E F F I F E Y E P M S R Y V S L P E D W K D F C P E S I I C | | | |
| UniRef90_L8FNC8 | N L K T N H R G G V Y V L T D N S F R P F M S M S A R S D A V S Y L W F P C | | | |
| UniRef90_U4L5M6 | N L K T N H R G G V Y V L T D N S F R P F S R M S T E A G G Q A F L W F P C | | | |
| UniRef90_UP100021A4E7F | H L K T N N Q Y V A F T S | | | |
| UniRef90_F7AB08 | N L R T N H E G I Y V L Q D N K F Q L L T Q M S S G K Q Y L K Y L A F T C | | | |
| UniRef90_A1CM11 | N L K T N H R G G V Y V L T D N S F R P F M S M S A R S D A V S Y L W F P C | | | |
| UniRef90_W6U9W1 | T L K T N N A D V Y V L I D S D F P Y L T R I E P S Q L Y N P S V E M I L C | | | |
| UniRef90_F0XPM8 | N L K T N H R G G V Y V L Q D N G F R F L T K L S N G K Q Y L R F A A F T C | | | |
| UniRef90_UP10000D5686B | N L R T N H Q G G V Y V L Q D N G F R F L T K L S N G K Q Y L R F A A F T C | | | |
| UniRef90_V5FW02 | N L R T N H Q G G V Y V L Q D N G F R F L T K L S N G K Q Y L R F A A F T C | | | |
| UniRef90_M2YLM3 | N L K T N H R G V F V L T D S R Q P L S R M S D A L R R A Q T F L Y F P C | | | |
| UniRef90_C5D152 | N L K T N H R G T F Y L L D Y N P E P F T L E E D L S D Q E Q K L I F L H V P C | | | |
| UniRef90_B8ND03 | N L K T N H R G G V Y V L Q D N P F A R M M S V R S E A V S M A Y L W F P C | | | |
| UniRef90_E0V955 | N L R T N H K G G V Y V L Q D N A F R M Y L V H L S S Q K Q Y L E F A A F T C | | | |
| UniRef90_C0SCJ0 | N L K T N H R G G V Y V L Q D N P L T R I M S L A N Q N E A I S Y L W F P C | | | |
| UniRef90_B4JU44 | N L R T N N N G M Y V L Q D R A F R F L T R I S P G A Q Q L K F V A F T C | | | |
| UniRef90_T2MB67 | N L R T N H Q G G V Y V L D S N F K L L N K I T L S K Q L E A Q K Y I A F P C | | | |
| UniRef90_UP10003F16647 | G L R T N H Q G G V Y V L Q D N P N P I S R I S S H H N G P Q D A L K Y V A W S A | | | |
| UniRef90_UP10004413BF6 | N L R T N H R G G V Y V L Q D N R F R V F A N I S N S K Q F L E Y A A F A C | | | |
| UniRef90_S4BF93 | N L R T N H R G G V Y V L Q D N R F R V F A N I S N S K Q F L E Y A A F A C | | | |

130 140 150

| | | |
|------------------------|---|---|
| UniRef90_G8ZMF5 | G I Q G F L N T A E F P C K V S A H | |
| UniRef90_J7RXA7 | G I S G F L N N A G F P C D V T A H P | V P Q G E R R T V F L K F N D Q V |
| UniRef90_T1JUZ1 | G I A A A L N E T G F N A K V T V H | |
| UniRef90_G0R4L8 | G I K G I L N H T G F D A Q V Y Y | |
| UniRef90_UPI0002C3F51F | G I A Q S C M D A A D F K G T V T | |
| UniRef90_K2SHS1 | | F V A |
| UniRef90_H2B1V9 | G I I N G F L N N A A F I C K V T | |
| UniRef90_Q5C1W7 | G M I Q G F L L N G G F P C S V S P H L M P V D G D E R V I Y L I K F D E Q V | |
| UniRef90_C4WU32 | G L I R G A L E N F G I S S I V T | |
| UniRef90_C6LSK5 | G L I E G F L A C C G F K T K | |
| UniRef90_A8BA91 | G L V E G F L T C C G F R T K | |
| UniRef90_J4C884 | G I V D G L S S A K F | |
| UniRef90_A7TDQ9 | G I I Q G F L T K A D F P C T V T P H S N N E N G D G G V I L I K F D K Q V | |
| UniRef90_G3AVF7 | G V I R G I L S N F G I E A N V T | |
| UniRef90_V6M3T7 | G V I R A V L G C C G F E S A V K F S E G L | |
| UniRef90_Q54TK7 | G L I K G A M S N F G F K C V T F | |
| UniRef90_C5MG52 | G V I R G I L M S F G I E S N V T | |
| UniRef90_B9WKA1 | G V I R G I L M S F G I E A N V S | |
| UniRef90_E0S9Z8 | G M I E A V L M A S G Y R S E V T T | |
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| UniRef90_A5E7B6 | G V I R G I L M S F G I E A N V S | |
| UniRef90_A3LWB7 | G I I R G I L S S F G I E S N V T | |
| UniRef90_Q6BKS7 | G V I R G I L M S F G I E A E V H | |
| UniRef90_I1ENL0 | G I L T G A L S N L G I R | |
| UniRef90_A9URR0 | | |
| UniRef90_U6MGQ9 | | |
| UniRef90_Q75BK6 | G V I R G I L A S L G F S V T V S F V E | |
| UniRef90_H2XLK9 | G L I R G V L S N L G V K S V V T | |
| UniRef90_D2VAM4 | G V V R G A L T V L G I D A F V T | |
| UniRef90_Q8SU25 | G M I Q A A L M A S G Y D S E V T | |
| UniRef90_C4V8Y5 | G V I E Y A L L A S G F E C E V | |
| UniRef90_A5DAF5 | G V I R G I L L Y S F G V E S G V S | |
| UniRef90_R1CMU3 | G L I R G A L C G L G V V S S V | |
| UniRef90_V3ZPA8 | G L L R G A L S N L G V N C V T | |
| UniRef90_T5A407 | G I V R G A L A A L G M N A T V | |
| UniRef90_G9NKV9 | G I I R G A L A A L G I N A T V Q A E V N E L P G | |
| UniRef90_C4Y593 | G I I R G I L S S F G I S A Y I T A E C S Q L | |
| UniRef90_D3TRF6 | G L V R G A L S N L G I N S T V T | |
| UniRef90_I6NDN7 | G I I K G I L A S L G F E S V V T | K G D D Q V D V T V S F V |
| UniRef90_W5KJL1 | G L I R G A L S N L G I L T C I V T | |
| UniRef90_E9FYX1 | G L L R G A L A S L G I L T C I V T | |
| UniRef90_G8BPN1 | G I I T G V L S S L G F K S E V | |
| UniRef90_G8B930 | G V I R G I L M S F G V E S N V S | |
| UniRef90_UPI0001CBABA1 | G L I R G A L S N L G M N C I V T | |
| UniRef90_R0MAS0 | G V I K Y G L K A S G F D C E V T | |
| UniRef90_C7Z9W5 | G I V R G A L A A L G I N T T V | |
| UniRef90_M2LT53 | G V I R G A L S G F G M E V T V E | G S T T E I |
| UniRef90_M4G2Y3 | G I V R G A L A A M G I T A T V H A E T T E L P G | |
| UniRef90_H0H153 | G I I R G V L S S L G Y S S E A S F I D R P T D R P K T F | |
| UniRef90_I3KJV1 | G L V R G A L S N L G V K S I V T | |
| UniRef90_UPI00032B15CC | S L I R G G L S N F G I K S I V T | |
| UniRef90_I1CIA8 | G I I R G A L A S L G V P S V V | |
| UniRef90_T1JVG1 | G L I R G A L G N L G F N A L V T | |
| UniRef90_C7BVP9 | G A L R G A L A N L N V Q A E V T | |
| UniRef90_K1WXU7 | G V I R G A L A S M G I N A T V Q A E S S E L P G | |
| UniRef90_G1XT68 | G V I R G A L S A M G V N A Q V S | |
| UniRef90_Q5AYY2 | G V I R G A L S N L G I H T V V Q A E T T E L P G A | T F Q V K T I N K |
| UniRef90_C1L4I1 | G L L K G A L G S L G L N C I V T A E C E Q L | |
| UniRef90_T0R9T3 | G V L R G A L A N L G I L L A L V | |
| UniRef90_W5JQ82 | G L V R G S L A N L G I T S T V T | |
| UniRef90_F2QUF8 | G I I R G L L E S L D I V N C V V T | |
| UniRef90_W4ZHN1 | G L I R G G L A N L G V N C V V T | |
| UniRef90_Q99394 | G I I R G V L S S L G Y S S E | |
| UniRef90_B9MZL8 | G I I R G A L S N L G I P C A V S | |
| UniRef90_H8XAY8 | G V I R G I L M S F G V E S N V S | |
| UniRef90_I2H1V3 | G I I K G V L V S F G Y Q C S A S F I D R P T G D K T | |
| UniRef90_G0RJ43 | G I I R G A L A A L G I S A T V | |
| UniRef90_H3CGW9 | G L V R G A L L S L G V K S I V T | |
| UniRef90_R7SJ69 | G I I R G A L G R L G Y Q A T V | |
| UniRef90_Q8SWC2 | G I L Q S V Y S H V | |
| UniRef90_L7JL10 | G I V R G A L A A M G V N A T V Q A E T T E L P G | |
| UniRef90_T0MHQ3 | G V I E Y T I M A S G F D C E V | |
| UniRef90_L8FNC8 | G V I R G A L A S M G I N A T V Q A E T S E L P G | |
| UniRef90_U4L5M6 | G I V R G A L A N M G V N A S V | |
| UniRef90_UPI00021A4E7F | G I L T G A L S N L G I R | |
| UniRef90_F7AB08 | G L M R G S L S N L G I K S I V T | |
| UniRef90_A1CM11 | G V I R G A L S S M G I T T T V Q A E T S E L P G | |
| UniRef90_W6U9W1 | G L L R G G L S S L G V S C I V | |
| UniRef90_F0XPM8 | G I V R G A L A A L G I T A T V Q A E S N E L P G | |
| UniRef90_UPI0000D5686B | G I I R G S L A N L G I A S L V T | |
| UniRef90_V5FW02 | G I I R G S L A N L N I N C L V T | |
| UniRef90_M2YLM3 | G V I R G A L Q G L G I D V T L T A | E T T E I |
| UniRef90_C5D152 | G M I R G V L A S L G F E | |
| UniRef90_B8ND03 | G V I R G A L S N L G I N T T V | |
| UniRef90_E0V955 | G L I R G A L S N L G I T C I V T A E V D Q | |
| UniRef90_C0SCJ0 | G I I R G G L A S M G I N A T V Q A E S S D L P G | |
| UniRef90_B4JU44 | G L V R G A L S N L G I N S T V T | |
| UniRef90_T2MB67 | G L I R G S L A A L G I V T S F V T A V A D M P T V K F Q V E I Q | |
| UniRef90_UPI0003F16647 | G L L R G T L N T G I K S L V T | |
| UniRef90_UPI0004413BF6 | G V I R G A L A R M G L Q G T V T | |
| UniRef90_S4BF93 | G M L R G A L A N L G I V S V V T | |

UniRef90_G8ZMF5
UniRef90_J7RXA7
UniRef90_T1JUZ1
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UniRef90_F4PUP7
UniRef90_A5E7B6
UniRef90_A3LWB7
UniRef90_Q6BKS7
UniRef90_I1ENL0
UniRef90_A9URR0
UniRef90_U6MGQ9
UniRef90_Q75BK6
UniRef90_H2XLK9
UniRef90_D2VAM4
UniRef90_Q8SU25
UniRef90_C4V8Y5
UniRef90_A5DAF5
UniRef90_R1CMU3
UniRef90_V3ZPA8
UniRef90_T5A407
UniRef90_G9NKV9
UniRef90_C4Y593
UniRef90_D3TRF6
UniRef90_I6NDN7
UniRef90_W5KJL1
UniRef90_E9FYX1
UniRef90_G8BPN1
UniRef90_G8B930
UniRef90_UPI0001CBABA1
UniRef90_R0MAS0
UniRef90_C7Z9W5
UniRef90_M2LT53
UniRef90_M4G2Y3
UniRef90_H0H153
UniRef90_I3KJV1
UniRef90_UPI00032B15CC
UniRef90_I1CIA8
UniRef90_T1JVG1
UniRef90_C7BVP9
UniRef90_K1WXU7
UniRef90_G1XT68
UniRef90_Q5AYY2
UniRef90_C1L4I1
UniRef90_T0R9T3
UniRef90_W5JQ82
UniRef90_F2QUF8
UniRef90_W4ZHN1
UniRef90_Q99394
UniRef90_B9MZL8
UniRef90_H8XAY8
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UniRef90_G0RJ43
UniRef90_H3CGW9
UniRef90_R7SJ69
UniRef90_Q8SWC2
UniRef90_L7JL0
UniRef90_T0MHQ3
UniRef90_L8FNC8
UniRef90_U4L5M6
UniRef90_UPI00021A4E7F
UniRef90_F7AB08
UniRef90_A1CM11
UniRef90_W6U9W1
UniRef90_F0XPM8
UniRef90_UPI0000D5686B
UniRef90_V5FW02
UniRef90_M2YLM3
UniRef90_C5DI52
UniRef90_B8ND03
UniRef90_E0V955
UniRef90_C0SCJ0
UniRef90_B4JU44
UniRef90_T2MB67
UniRef90_UPI0003F16647
UniRef90_UPI0004413BF6
UniRef90_S4BF93

The sequence logo displays the probability of each amino acid at each position. The x-axis represents positions 1 through 40. The y-axis lists UniProt IDs. Positions 1-10, 12-20, 22-30, 32-40, and 34-40 show high conservation of specific amino acids (e.g., C, H, S, T, V). Positions 11, 21, and 31 show higher variability with multiple colored boxes.

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

| UniRef90_D3BR33 | 50 | 60 | 70 | 80 |
|------------------------|---|-----------------------------|---------------------------|-----------|
| UniRef90_K7J974 | H K L V E K L T I E Q Q L | L S E V L D V V K F | C K V F W I A I | F K K S I |
| UniRef90_F9X111 | Y R I I E R L T R E W P R F K D E L D I I K F | I C T D F W T S L Y H | K Q I D | |
| UniRef90_K1R003 | Q G L L V E R F S I N K P R P T T P L | D A L K F | C K D L W L L I | |
| UniRef90_G2X760 | Q S L L V E R F T K E S P R F K D E L L | D T M K F | C K D F W N Y V Y | |
| UniRef90_UP100045445FA | Q G L L V E R F S R D R P R F N D T L | D V I K F L | C K D L W S L V F | |
| UniRef90_G3VEG8 | Q S L L A E R L P R E A G L F R E E | D A L K F L | C K E L W G A V F | |
| UniRef90_UP1000298C769 | Q G L L I E R F T K D T A R F K D E L L | D I M K F | C K D F W T T I F | |
| UniRef90_W6MK77 | Q G L L I E R M T R D S P S F K D E L L | D I M K F | C K D F W T K V F | |
| UniRef90_J4DP37 | T K L L A D C L I Y M K S D G N L Q I S L | D I M K F | C R D V W K L L Y S K Q M | |
| UniRef90_E5SJ80 | S R I V S R Y E S D S N V G R I W D P N K C M I F | C R E L W I Y L | F G K Q A K | |
| UniRef90_H3CHX5 | L A L L A E F L S M D M L P L R A E I I | D V V K F L C | K E F W C A I F | |
| UniRef90_B0YCS7 | Q G L L I E R I T R D S P S F K D E L D I M K F | V K F L C | K F W T K V F | |
| UniRef90_F7DY97 | Q G L L I A E R F S R D R P R F T D N L L | D V I K F L C | K D L W T I I F | |
| UniRef90_N1S7V8 | Q G L L I E R L T K D S P S F K D D L E V V K F V | C K D F W T I L F | K K Q I D | |
| UniRef90_B6AG61 | Q G L L V E R F S R D R P R F N D T L D V I K F L | C K D L W T I L F | G K N I D | |
| UniRef90_Q6CIU8 | I R F V L E L S L E R S R I T D Q K E L I K F M | C K D L W N Y I F | L K Q A D | |
| UniRef90_J9EFP6 | S K M T E L L I F S N N P N S M D T L G M V R F I | C K E V W K L L Y G K Q I | | |
| UniRef90_I6ZH89 | F V L V E K I A K D L P R I T E L E R M K F L | C K E F W T A V F G R Q V | | |
| UniRef90_B9REX0 | E R L A D D F F T A S P G K P M S L A E I S K D V | S E T F F P H Y F S F R P T | | |
| UniRef90_U9SP50 | H Q L A E R Y T M E R P R F S D H L E A I K F I C | C K D F W S E V F K K Q I | | |

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|------------------------|-----|---|---|---|---|---|---|---|---|---|-----|---|---|---|---|---|---|---|---|---|---|---|
| UniRef90_D3BR33 | G | L | I | K | G | A | M | A | N | F | G | Y | K | S | T | I | T | F | | | | |
| UniRef90_K7J974 | G | L | L | R | G | S | L | A | N | L | G | I | A | C | T | V | | | | | | |
| UniRef90_F9X11 | G | I | L | R | G | A | L | Q | G | L | G | M | D | V | T | I | S | A | | | | |
| UniRef90_K1R003 | G | M | I | R | G | A | L | S | N | L | G | V | N | C | V | V | T | | | | | |
| UniRef90_G2X760 | G | I | L | R | G | A | L | A | A | L | G | V | D | A | T | V | Q | A | E | T | N | E |
| UniRef90_UP100045445FA | G | L | V | R | G | A | L | S | T | L | G | I | E | S | V | V | T | | | | | |
| UniRef90_G3VEG8 | G | L | I | R | G | G | L | S | N | L | G | I | K | S | I | V | T | | | | | |
| UniRef90_UP1000298C769 | G | V | V | R | G | A | L | C | N | L | G | L | E | S | V | V | T | | | | | |
| UniRef90_W6MK77 | G | I | I | R | G | L | F | S | L | G | L | E | A | S | V | H | | | | | | |
| UniRef90_J4DP37 | G | V | L | R | G | A | L | K | S | L | G | F | A | C | S | V | T | | | | | |
| UniRef90_E5SJ80 | G | I | I | R | G | V | L | G | D | F | G | L | N | A | A | V | | | | | | |
| UniRef90_H3CHX5 | G | V | V | R | G | A | L | C | N | L | G | L | E | S | V | V | T | | | | | |
| UniRef90_B0YCS7 | G | I | I | R | G | A | L | S | N | M | G | I | A | T | T | V | Q | A | E | T | S | E |
| UniRef90_F7DY97 | G | L | I | K | G | A | L | S | N | L | G | I | S | C | T | V | S | | | | | |
| UniRef90_N1S7V8 | G | V | V | R | G | A | L | A | A | L | G | I | N | T | S | V | | | | | | |
| UniRef90_B6AG61 | G | I | I | R | G | A | L | Q | H | L | G | L | T | C | S | V | | | | | | |
| UniRef90_Q6CIU8 | G | V | I | S | G | I | L | T | S | L | G | V | P | | | | | | | | | |
| UniRef90_J9EFP6 | G | I | I | R | G | A | L | Y | N | L | G | I | T | S | L | V | T | | | | | |
| UniRef90_I6ZH89 | G | I | L | K | G | V | Y | N | H | V | | | | | | | | | | | | |
| UniRef90_B9REX0 | G | I | I | R | G | A | L | S | N | L | G | I | P | C | A | V | S | | | | | |
| UniRef90_U9SP50 | G | L | I | R | G | A | L | A | N | L | G | | | | | | | | | | | |

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