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

| | 1 | 10 | 20 | 30 | 40 |
|------------------------|---|---|-------------------|-------------------|---|
| UniRef90_B4V098 | I L K G G Q S | L Q P G E T I | V S E N A K L | V M Q N D G N L | V L Y H R G A A L |
| UniRef90_A0A038GVV2 | N G Q T I W S S R | V S G T P G V E | V R M L E D G N L | V M Y D S N G A M | D T I V S G Q R L L N G Y E L L S S G K F R L K M Q K D G N L |
| UniRef90_W1P261 | D T I V S G Q R L L N G Y E L L S S G K F R L K M Q K D G N L | Y V F L V Q K D C N A V Y Y Y K N I V I | | | |
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| UniRef90_UPI00032AAE43 | N T L L P G Q H I S A G Q E L F S G I F R L | G F F S P E N W Y K F S P E K V V | | | |
| UniRef90_M0ZXLO | T L N L A S E F L F Y K A Y L F L V Q H D C N | V V N Y P N G T V R | | | |
| UniRef90_D8S7J4 | D T I V A G Q R L L A G K R L I S G R F Q V I | G F F S P G N S K S R Y T N S A V | | | |
| UniRef90_UPI0002C2E557 | D S I T P N Q F V K D G Q T L I S G S Y E L | L G F F T P G N S K A R Y L G M W Y | | | |
| UniRef90_UPI0002C34F8F | D R L I P P G Q S L S G N Q T L T S G K F E L | N T L L P G Q H I S A G Q E L F S G I F R L | | | |
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| UniRef90_W1PU85 | N R D Q P V Q D G S I I Q F T L D G K L G F T D H G Q Q S | N T L L P G Q H I S A G Q E L F S G I F R L | | | |
| UniRef90_D8R8A7 | N M I Q S G S R L T P G S Y L V S R N Y M L V L G F D C N L E L M E R N I V V | N T L I V W T A N R D D P P V T S T A K L Q F T M N G R L I L K D Q K G Q E | | | |
| UniRef90_UPI00032A94F4 | N N T I V Q K L W E S E T T S K G N C F L M L Q Y D G N L | N T L I V W T A N R D D P P V T S T A K L Q F T M N G R L I L K D Q K G Q E | | | |
| UniRef90_D8QRY4 | D T I L P T Q Q L K A G A E L F S G I Y R L K M Q N D G N L | V L Y T P G S Y A Y | | | |
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| UniRef90_UPI0003BD00D5 | | | | | |
| UniRef90_M5WPH8 | D T I S P N Q Y I R G D Q T L V S G T F Q L G F F S P G K L | I Y T I S N E I V V | | | |
| UniRef90_UPI00032AABF5 | D S L A V N Q S L K D G E T L V S A N G T F E M S R G R Y L | G M W Y K N T V V | | | |
| UniRef90_W9R087 | D T I L L P G Q N F S V L H T L R S S Y Y S L F E M N A S G Q L | D T I L L P G Q N F S V L H T L R S S Y Y S L F E M N A S G Q L | | | |
| UniRef90_F4Q7L2 | D R I L C N T S I T S N N Y I S S G G W Y L V M Q E D S N L | V L Y T P N N A V | | | |
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| UniRef90_V6JEJ2 | | | | | |
| UniRef90_D5UGN0 | | | | | |
| UniRef90_U5D4B7 | | | | | |
| UniRef90_UPI0002C2EE89 | D T I L L P G Q N F S R S Q M L R S S Y Y T L F M N A Y G Q L | I Y T I S N E I V V | | | |
| UniRef90_D4LC82 | D A M N T T Q S I L R D G E T L V S G S F E L G F T S R Y L | G R H L L H V D P D S G V Q L R P D G T V R | | | |
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| UniRef90_W9SB99 | D T I L L P T Q I L N Q G G K L V S G R F F L T Q L D G N L | N T I V Q K L W E S E T T S K G N C F L M L Q Y D G N L | | | |
| UniRef90_F6GUD7 | D T I L L P T Q I L N Q G G K L V S G R F F L T Q L D G N L | N T I V Q K L W E S E T T S K G N C F L M L Q Y D G N L | | | |
| UniRef90_D3BSC2 | N E T I V S N S A S N F I K N G S F Y A V M Q N D G N F V I | N E T I V S N S A S N F I K N G S F Y A V M Q N D G N F V I | | | |
| UniRef90_D8RQ69 | G S Y I L L G G N S L I S S D Y R L T M Q K N C N L V L Q P R G I I T | G S Y I L L G G N S L I S S D Y R L T M Q K N C N L V L Q P R G I I T | | | |
| UniRef90_M0TZM0 | D T I L L P S Q S L I R D G Q T L V S A N K T F E F S T N R Y V G L | D T I L L P S Q S L I R D G Q T L V S A N K T F E F S T N R Y V G L | | | |
| UniRef90_K4BHR6 | D T I L L G G Q K L T S G S K L V S G R F R L L M Q D D G N L | D T I L L G G Q K L T S G S K L V S G R F R L L M Q D D G N L | | | |
| UniRef90_UPI0002B436DC | D T I L L K A G T I L L S P G E Q L P S G N F Y L T L Q S N G Q L | D T I L L K A G T I L L S P G E Q L P S G N F Y L T L Q S N G Q L | | | |
| UniRef90_F4KQ70 | D R M R R G Y H L S T N Q Y L M S Q N F A A I L Q E D G N F V I | D R M R R G Y H L S T N Q Y L M S Q N F A A I L Q E D G N F V I | | | |
| UniRef90_E9GC71 | D S L I S P G Q S I L K D G E R L V I S S S F E L G F F S P E N S K Y K Y L G V W Y | D S L I S P G Q S I L K D G E R L V I S S S F E L G F F S P E N S K Y K Y L G V W Y | | | |
| UniRef90_A0A059BMX6 | N D T I T S Q G F F R D P Q T L I S G V F K L G F F S P O N S F R Y D S N V I | N D T I T S Q G F F R D P Q T L I S G V F K L G F F S P O N S F R Y D S N V I | | | |
| UniRef90_V7BQJ3 | T L T Q G Q S I I R D G E T V N S S S Q H F A L S T S R Y V G I W Y N K I V V | T L T Q G Q S I I R D G E T V N S S S Q H F A L S T S R Y V G I W Y N K I V V | | | |
| UniRef90_A5BHQ6 | D T I L L P G Q P I T R Y R R L V S G F Y N F Y F D S N N I L N L M Y D G P E I | D T I L L P G Q P I T R Y R R L V S G F Y N F Y F D S N N I L N L M Y D G P E I | | | |
| UniRef90_I1J2S3 | D V L A S G R N V S D G D I V L V S G S F T L G F F S P A W F S V S P D A A V H | D V L A S G R N V S D G D I V L V S G S F T L G F F S P A W F S V S P D A A V H | | | |
| UniRef90_B8BP34 | D T I L L P T Q R L L A G Q Q I L S G Q F R L K M Q H D G N L V Q Y P V N Y A Y | D T I L L P T Q R L L A G Q Q I L S G Q F R L K M Q H D G N L V Q Y P V N Y A Y | | | |
| UniRef90_A0A059AKH6 | D T I V P N Q T F T V N Q V L R S G S Y S F R F L S T G N L T L R W D N I V | D T I V P N Q T F T V N Q V L R S G S Y S F R F L S T G N L T L R W D N I V | | | |
| UniRef90_B91QL8 | M R M M E T G M V L Q D N N K I V | M R M M E T G M V L Q D N N K I V | | | |
| UniRef90_B9H2E2 | | | | | |
| UniRef90_E6UFM5 | | | | | |
| UniRef90_B8BE66 | L L P G Q T A S D D G G A F V L G F F S P S N Q Y I G I W Y N I T D R T V V | L L P G Q T A S D D G G A F V L G F F S P S N Q Y I G I W Y N I T D R T V V | | | |
| UniRef90_W1PU79 | N R D Q P V E S G S T L Q L T L D G R L G F T D K G L Q T | N R D Q P V E S G S T L Q L T L D G R L G F T D K G L Q T | | | |
| UniRef90_UPI0003D6F82F | D T I T S S Q S L I S D G R T L V S G S F E L G F F S P G Y V G I W Y K N M P V | D T I T S S Q Y I K D P E D I V S A G N K F K L G F F S P V N S T N R Y A A I | | | |
| UniRef90_B9HYQ6 | D T I T S S Q Y I K D P E D I V S A G N K F K L G F F S P V N S T N R Y A A I | D T I T S S Q Y I K D P E D I V S A G N K F K L G F F S P V N S T N R Y A A I | | | |
| UniRef90_M1DYE5 | | | | | |
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| UniRef90_J3IU55 | I L P A Y Q T M S A G Q F L L S G R F K L L L Q A D G N L A L Q D N G V V V | I L P A Y Q T M S A G Q F L L S G R F K L L L Q A D G H L V I K D G E V V V | | | |
| UniRef90_S6HRA9 | I L P P N Q T M S P G Q Y I L V S G Q F R L L L Q A D G H L V I K D G E V V V | I L P P N Q T M S P G Q Y I L V S G Q F R L L L Q A D G H L V I K D G E V V V | | | |
| UniRef90_A0A059BM18 | D T I L L S S G Q S M K D G E K L V S Q S F E L G F F S P G N S K N R Y F G M W C | D T I L L S S G Q S M K D G E K L V S Q S F E L G F F S P G N S K N R Y F G M W C | | | |
| UniRef90_J3MXZ1 | D D R L V A G K P L S P G V T V W S G A F A L G F F S P P S N I G I W Y N D V P R | D D R L V A G K P L S P G V T V W S G A F A L G F F S P P S N I G I W Y N D V P R | | | |
| UniRef90_A0A059BAR2 | D S I I S A G Q N I T D G Q T I V S G N F E L G F F S P P G S S V W Y K G R V I | D S I I S A G Q N I T D G Q T I V S G N F E L G F F S P P G S S V W Y K G R V I | | | |
| UniRef90_UPI00046DDECA | D T I T P S R S M R D G E T L V S G S F E L G F F S P P G W Y S F D T D T V I V | D T I T P S R S M R D G E T L V S G S F E L G F F S P P G W Y S F D T D T V I V | | | |
| UniRef90_D2VY14 | N T L Y S T N N L Y Q S N S L S N G I Y Q L K Q Q V D G N L V L Y K P G V A Y | N T L Y S T N N L Y Q S N S L S N G I Y Q L K Q Q V D G N L V L Y K P G V A Y | | | |
| UniRef90_UPI00042B1991 | D T I V P N Q T F T V N Q V L R S G S Y S F R F L S T G N L T L R W D N I V | D T I V P N Q T F T V N Q V L R S G S Y S F R F L S T G N L T L R W D N I V | | | |
| UniRef90_K0R96 | D K R T V V | D K R T V V | | | |
| UniRef90_Q69MM4 | D D R L V T G K P L S P G A T L V S G A F A L S F F S P S Y L G I W Y N D I P Q | D D R L V T G K P L S P G A T L V S G A F A L S F F S P S Y L G I W Y N D I P Q | | | |
| UniRef90_M5WPS0 | D I I S P S Q S I S D N T T L V S G S F E L G F F S P P G Y L L G I W Y K N M V V | D I I S P S Q S I S D N T T L V S G S F E L G F F S P P G Y L L G I W Y K N M V V | | | |
| UniRef90_UPI00046DAD7D | D T I L L G G Q N L T A G T Y L V S G R F S L F F C N G T C D S Y L F A V F L V V | D T I L L G G Q N L T A G T Y L V S G R F S L F F C N G T C D S Y L F A V F L V V | | | |
| UniRef90_V4JAV8 | D K L E K G Q N L T D G G T L V S G S F T L G F F S P P G Y L L G I W S N A T V V | D K L E K G Q N L T D G G T L V S G S F T L G F F S P P G Y L L G I W S N A T V V | | | |
| UniRef90_F2DZS5 | D G S T L L E G N R L E S P N F V L T M E T D C A L V V R E T H R R V | D G S T L L E G N R L E S P N F V L T M E T D C A L V V R E T H R R V | | | |
| UniRef90_D8SBE0 | N S I K Q K N E S I K D G S T L V S G F F S F D N S S R Y V G I W Y H N I P T | N S I K Q K N E S I K D G S T L V S G F F S F D N S S R Y V G I W Y H N I P T | | | |
| UniRef90_UPI00032A5257 | D T I L L P M Q R L D L G T K Y S A G R F H F M L G D G N L V L Y D P S D I Y | D T I L L P M Q R L D L G T K Y S A G R F H F M L G D G N L V L Y D P S D I Y | | | |
| UniRef90_A0A059CXT8 | D T I L L Q P G T T L N P G Q T W S S P N N T F Y V G F S Q V T I N Y N G V P I | D T I L L Q P G T T L N P G Q T W S S P N N T F Y V G F S Q V T I N Y N G V P I | | | |
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| UniRef90_I1KZS1 | D T I L L P G Q N L A S D T S F Y N G G F E L S W Q N D S N L L V L Y P T G E A Y | D T I L L P G Q N L A S D T S F Y N G G F E L S W Q N D S N L L V L Y P T G E A Y | | | |
| UniRef90_UPI0002C33316 | D N N V L V S P D G T F T S G F Y K V G A N A S C Y S I W F T N K T V V | D N N V L V S P D G T F T S G F Y K V G A N A S C Y S I W F T N K T V V | | | |
| UniRef90_V4TXJ3 | D T I L L P T A T L I G D G E K L V S S S F E L G F F S P P G Y L G I W Y K Q V P D | D T I L L P T A T L I G D G E K L V S S S F E L G F F S P P G Y L G I W Y K Q V P D | | | |
| UniRef90_UPI000350DDA5 | D T I L L S N G G N I T D G E T L V S G S F T L G F F S P P G I W F T A S P D A V C | D T I L L S N G G N I T D G E T L V S G S F T L G F F S P P G I W F T A S P D A V C | | | |

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

90 100 110

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|---|---------------------------------|---|---------------|-------------------|
| D G A | R V E | [L] Q A D A N | L V V Y T K D | [L] W H S D T Y P |
| S [L] M Y R M T L | S S E G K | [L] E [L] Y S H | | |
| K F N C V L I L L | Q L D C N L | L V L Y G K P | M W S T K T | |
| S Q R T F L Q V Q | D D G N V V I | I D A P V | W A S N T S | |
| G A R L A L Q N D G N | L I I Y D R | V V W T T | T N T G G H | |
| D D P L V L R L D A D G N | L R L Y S K S V | W Q A V E | N Q C | |
| E D I Y K L V V E N D G D | M V L Y S S P V | W H T | T N T S | |
| N K N G K L L L M D T G N | L V L L G T P F | W H T G | P K Q | |
| S V V S A A L H D N G N | L I I D N I I | W Q S F N N P S | | |
| I G A Q L Q L K D D G S L | V I A N A V F | W S S A T D | | |
| L R N P V A Q L L D S G N | L V V S E N T C | S Q S G | | |
| P T A V L R L Q P N G G | L V V K D T P V | W A | | |
| A K N P V A Q L L D S G N | F V L Y G N F | [L] W E S F D Y P S | | |
| Y Y N C Y L V M Q N D | C N L V L Y | | | |
| E N S [L] T A Q L L D T G N | L V L K N N I L | W Q S F D Y P C | | |
| G Y P Y M M K I D A D G I | F R V Y S S V I | W S S T N D G C | | |
| K F N C V F I L Q L D C | N L V L Y | | | |
| L S V Y R L T I D A H G I | L L W L Y S S I | E W S S T D N K C | | |
| A G N P V S Q L L D S G N | L V V K D N F L | W Q S F D Y P C | | |
| S N S A T A V L L D N G N | F V I R D A V I | W Q S F D H P | | |
| L R N P V A Q L L D S G N | L V V S D N M S S H S G | | | |
| H A S A V L R L Q A N G S I | A I L D K P V | W A | | |
| N Q G A H L N M Q T D G N | L V M Y G K A I | W A S N T N D N R | | |
| D E Q Y R L V T Q N D G N | V V I Y N K A T W A T H T | | | |
| L R N P V A Q L L D S G N | L V V S E N T T S H S G | | | |
| E N L Y L L R I D P D G I | F K L Y S H D | L G Q N G S | | |
| T G R Y L L L G F Q T D G N | L V L Y Q K A Y Y A S G T D G A | | | |
| L V S S V L V L Q N D R N | L V L Y R S A V | W A S N T G | | |
| T G R F Q L N M Q N D G N | L V L Y W D A Y | W A S D T S | | |
| K K | | | | |
| E A I N M M K L D T D G I | F R L Y S Q D V | W S S T S N K C | | |
| N P A R L L L Q G D S N | L V L Y D K P V | W S S G T | | |
| V D N P V S Q L L D S G N | L V V K N N F L | W Q S F D Y P C | | |
| E N S I T A Q L L D T G N | L V L H D N I L | W Q S F D Y P S | | |
| N D S I R L R L D V D G N | M R L Y S R T V | W Q A V E N Q C | | |
| R G P H I A Y L N P T G I | L E V V D S | | | |
| S P T T M V F Q P D G N | F V I Y N K A L | W A T G T Y G H | | |
| P G A Y L A I Q N A G M | N V V Y G R P L | W W S N F H P G | | |
| G A V S S L L Q D D G N | L V L L G A P V | W D A G | | |
| D S Y Y T L L K F Q S T | G N L G L S N V T Y | W S S N | | |
| S L S Y R L R L D V D G N | L R L Y S R A V | W Q A V E N Q C | | |
| N A N Y Y A K F Q S D G | N L V V Y D K S V | W Q S G T | | |
| A Q N P V A Q L L D S G N | L V V R D N F L | W Q S F D Y P C | | |
| L F H Q R L T L D Y D G | V L R V Y P K S A N | S T G T | | |
| T D F Y R A T L E F D G | I F V H Y F H P I | W Y S S T | | |
| D F H Q R A I L E H D G | V F R Q Y | | | |
| S H P H T I V L N S G G | V L E L F D S | | | |
| K K L Y A L V I E N L G | Y L A I Y R T D | V W K S | | |
| R A I Y R A T L D Y D G | N F R I Y S H E F D S N G N S | | | |
| U n i R e f 9 0 _ U P I 0 0 0 2 B 4 3 6 D C | S G R F Q L V M Q T D G N | L V I Y S N A Y W A S N T M G S | | |
| U n i R e f 9 0 _ F 4 K Q 7 0 | S G S F Y A V I Q P D G N | F C V Y | | |
| U n i R e f 9 0 _ E 9 G C 7 1 | G G D C F L I M Q D D G | N L V G Y | | |
| U n i R e f 9 0 _ A 0 A 0 5 9 B M X 6 | L R N P V A R L F D S G | N L V V S G A C S W Q S | | |
| U n i R e f 9 0 _ V 7 B Q J 3 | A T N S T A K L L E T G | N L V L L G Q S I W E S F Q H P S | | |
| U n i R e f 9 0 _ A 5 B H 0 6 | S S N S T A I L L L D T G | N L V L L S S K A F W Q S | | |
| U n i R e f 9 0 _ I 1 J 2 S 3 | S G I A R L T L D Y D G | N L R L Y S R V T W A A V S R P C | | |
| U n i R e f 9 0 _ B 8 B P 3 4 | P S A T A A R L L D S G | N L V V H G T A L W Q S | | |
| U n i R e f 9 0 _ A 0 A 0 5 9 A K H 6 | S V N Y Y F R I D S D G | L G M R L Y S Y D L N Q K G | | |
| U n i R e f 9 0 _ B 9 I Q L 8 | E G S T R L R L E K D G | N D G N F R M Y S T M V W S A L T D Q C E | | |
| U n i R e f 9 0 _ B 9 H 2 E 2 | S V I A G M R M M E T G | N L E L Y N K T V W N S F D H P S | | |
| U n i R e f 9 0 _ E 6 U F M 5 | G G T K C V L Q G D G | N D G N F V I Y G K P I W N T Q T N G K K | | |
| U n i R e f 9 0 _ B 8 B E 6 6 | T S P P V A E L L N G | N G N L V I R G A I L W Q S F D H P | | |
| U n i R e f 9 0 _ W 1 P U 7 9 | P S P V R L V F S H G | S G L L V L T N S | | |
| U n i R e f 9 0 _ U P I 0 0 0 3 D 6 F 8 2 F | R T P V I F Q L L D S | G N G L V L R G T Y L W Q S F D Y P S | | |
| U n i R e f 9 0 _ B 9 H Q Y 6 | M N D S R A Q L M D D G | N G N L V L N G N S L W Q S | | |
| U n i R e f 9 0 _ M 1 D Y E 5 | S G R F E F I L Q T D | G N L V L Y N A A Y W S | | |
| U n i R e f 9 0 _ W 1 P J 9 7 | S S Y A E L L D T G | N G N L V L R D P I I W E S | | |
| U n i R e f 9 0 _ J 3 I U 5 5 | T N R T H M S L Q D D | G N G N I V L I D S A I W | | |
| U n i R e f 9 0 _ S 6 H R A 9 | S L W Y C M V I Q N D | G N G L V I Y G N P C W A | | |
| U n i R e f 9 0 _ A 0 A 0 5 9 B M I 8 | V K N P V A Q L L D T G | N G N L V L R E N S | | |
| U n i R e f 9 0 _ J 3 M Z X 1 | D G R P A A V L L L S T | G N G L V I R G T T L W Q S F E H P | | |
| U n i R e f 9 0 _ A 0 A 0 5 9 B A R 2 | A Q N P I A Q L L D S A | N F V I L G D A I W Q S F D H P C | | |
| U n i R e f 9 0 _ U P I 0 0 0 4 6 D D E C A | A G N P V S Q L M D S G | N G N L V L K D S F L W Q S F D Y P C | | |
| U n i R e f 9 0 _ D 2 V Y 1 4 | T A P F R L V M Q S D | G N G L V L Y G A V C W T A N | | |
| U n i R e f 9 0 _ U P I 0 0 0 4 2 B 1 9 9 1 | S V A S A F L R D D G | N G N L V L L N E L V W Q S | | |
| U n i R e f 9 0 _ K O R B 9 6 | G T G V A R M Q D D G | N G N L V L Y D N A L W S S E T R G H | | |
| U n i R e f 9 0 _ Q 6 9 M M 4 | G S G S T A V L L N T | G N G L V I R G T I L W K S F D H P | | |
| U n i R e f 9 0 _ M 5 W P S 0 | V E N A M V Q L L D S | A N F V I L G P Y L W Q S F D Y P S | | |
| U n i R e f 9 0 _ U P I 0 0 0 4 6 D A D 7 D | T I V H R A T L D A D | G I F R L Y V S I V W S N L H N Q C | | |
| U n i R e f 9 0 _ V 4 U A V 8 | S V V G G L N L T D M | G N G L V L F D K A V W Q S F D H P | | |
| U n i R e f 9 0 _ F 2 D Z S 5 | A S A A M V Q L A Y S | G N G L V L H N A S L W Q S F D H P S | | |
| U n i R e f 9 0 _ D 8 S B E 0 | K Y T Y G L A M E D S | G N G L V L S G K E I W Q S | | |
| U n i R e f 9 0 _ U P I 0 0 0 3 2 A 5 2 5 7 | T K N S S V V L R N D | G N G L V L Y H P K M A N S S S G | | |
| U n i R e f 9 0 _ A 0 A 0 5 9 C X T 8 | N G F Y R A I L L E Y | D G N G L V L W Q S F D D S P | | |
| U n i R e f 9 0 _ B 9 I Q L 6 | V K N P V A Q L L D D F | G N G L V L R E K F S S N T S | | |
| U n i R e f 9 0 _ J 1 K Z S 1 | P E F Y M A R I D P D | G N G L V L Y R H P W Q S F D H P S | | |
| U n i R e f 9 0 _ U P I 0 0 0 2 C 3 3 3 1 6 | E D T E V V L L D T G | N G N L V L R N Q A I W Q S F D D S P | | |
| U n i R e f 9 0 _ V 4 T X J 3 | V K N P V A Q L L D T G | N G N L V L R E K F S S N T S | | |
| U n i R e f 9 0 _ U P I 0 0 0 3 5 0 D D A 5 | A P A V A A Q L L D S | G N G L V L R G Q S I W Q S F D H P S | | |

1 10 20 30 40

| | | | | |
|------------------------|---|--|--|--|
| UniRef90_W9SA90 | G S S L T P D K N L S S G L Y A F G F Y K Q G N L A G I A Q K T V V | | | |
| UniRef90_A0A059AAQ7 | D T L S S V Q S I R E G E T L V S G F F S A G S S K N S Y L G I W S P E K V V | | | |
| UniRef90_UP100032AAD31 | D T L L P S Q N F S V G K V L K S G L Y S F S L S E G N L S L I W N D S I I | | | |
| UniRef90_A5BLK2 | N I T L G S S S L T A R D N D S W A S P S G E F A F G F Q E W F D K I P E K T I V | | | |
| UniRef90_A0A059DHG7 | N C S P Q S F Q Y S V G I R F N S N S P A N E Q K V V | | | |
| UniRef90_I7MJM1 | H K L A L F S N G N L I K E Y R N A V L | | | |
| UniRef90_UP10002C2DF3B | T A N R D D P P V S S S T L T L K R N G L L L Q S Y D K H A N | | | |
| UniRef90_M5W207 | D T L L P G Q R L L S G N E F S G I F R L K M Q N D G N L V Q Y P S I Y A F | | | |
| UniRef90_Q8LMB0 | D T V S P G Q T L A G G D R L I S N N S K F A L S R N S Y C I W Y N K L P M | | | |
| UniRef90_C5YGC8 | D T L R P G H V L A G G E K L V S A N G K F A L G G F N S Y L G I W F D K T P V | | | |
| UniRef90_G7ITK1 | T L V P G Q S I K D N E T L I S G F F N L G D S N N Q Y F G V W Y K D I V V | | | |
| UniRef90_UP100042B143F | D T L L P S P Q S I K D G E T L V S A D G S F E L G F F G P T V S S T S R F V V | | | |
| UniRef90_D8SQE8 | D N I F Y N G L R R N F E L Q S P N Y T F M L Q D D C S L S L N E G G R Q V | | | |
| UniRef90_UP10002F14DAF | M T M Q Q D G N L V V Y N Q N K P I | | | |
| UniRef90_D8T5P9 | I P T G T V M G P G T E Y V N G N Y R L V F Q D D G N L V I Y R I N P V V | | | |
| UniRef90_U9LGQ8 | I P T G T V M G P G T E Y V N G N Y R L V F Q D D G N L V I Y R I N P V V | | | |
| UniRef90_K9PUN0 | L T L K P N G N I I I S R R G Q P L | | | |
| UniRef90_A5BEK3 | D T I T S T H F I R D P E T V S G F F S L D G S S N R Y V G I W Y N T T I | | | |
| UniRef90_B9I049 | D S I N T T Q P F K D G D F L V S G F F S F G A S S N R Y C I W Y N Q I V A | | | |
| UniRef90_M1BIT7 | T I P A N Q P L T D G S T I I S G K F K L E F F S P G T F N K V T V Q T V V | | | |
| UniRef90_B9RW31 | D T I V P T Q N F T V G K V L L S G V Y S F S L S F G N I T L R W N N S I T | | | |
| UniRef90_K3XPE3 | D T L L P F Q P L T R G T I V S G Y K S L Y F D N N N V L R L M Y D G P D I | | | |
| UniRef90_D8R4F4 | D S M L L S G D T L Y A G C M E S P D K R F V L R M D C Q L S V M E T T N N T V | | | |
| UniRef90_B9T590 | R N D P P V L P G A A L I F S S D G R L L R S S T G E V | | | |
| UniRef90_UP10003D29500 | L L V G E T L S A S Q V F E F G F F T P A N S D E R Y G L W F K N I P P | | | |
| UniRef90_W1PK20 | D T L L P N Q P F T K G M R L I S G R F S F F D N D N V L R M M Y D G Y T L | | | |
| UniRef90_A0A059CX87 | D T I I L P T Q Q L D Q G T K Y S A G R F L F I L Q N D D G N L V L Y A T S D A Y | | | |
| UniRef90_H6NH8W | D T L V P G E K L V E G T Y L V S K N F S L H M Q W D G N L V L Y K N G T P L | | | |
| UniRef90_V4U9H6 | N T L L P G Q S F H F P R V L R S S Y Y N F V I R R S G E L A L W E S N V T Y | | | |
| UniRef90_M5WSH4 | D T I T A N Q S L S G D Q T I L S A E F E L G F F K P G N S S N Y Y G M W Y | | | |
| UniRef90_E9C4J3 | I P S G G W R L V S Q S S G K L L V M Q E D G N V V I Y P G N T A L | | | |
| UniRef90_UP100046DED8D | D T I S A A Q S I T S T N T L V S S S F E L G L F S A G N L G I W Y K N F P T | | | |
| UniRef90_A0A011ALR2 | M Y A C Q W L D N G K S W T K G T A T L R M V N G D L G V Y N K A G V R K | | | |
| UniRef90_U7E1G2 | D T I L G G Q N L Y A G G E L L S G R F H L K M Q S D G N L V L Y P I D D A Y | | | |
| UniRef90_B9T440 | D T I I S G Q R L L A G K Q L V S G R F E L I M Q T D V N L V M Y P S Q Y A Y | | | |
| UniRef90_K4A086 | D D R L V P G K P L L P G T T I V S G D F A F G F F S P S N L G I W Y N K I P R | | | |
| UniRef90_B9G4X4 | D D R L A V G K T L S P G A T L V S G G F F S P S N S S G L Y G I W Y N N V P K | | | |
| UniRef90_D8S419 | S G T F L A A K A C Y L R M Q L D C N L V I Y G K V M A L | | | |
| UniRef90_U5FXB6 | D T I N T A Q F I R D G D T I V S G T Y E L L G F F T N R Y L G I W Y G K I A V | | | |
| UniRef90_U5FYU0 | D T I T S S Q P I K D K P E A I V S N K F K L G F F S P V N S T Y R Y K H S I N | | | |
| UniRef90_Q69MN9 | D D R L V P G K P L T S D A T V V S G A F A M G F F S P S N L G I W Y N D I P R | | | |
| UniRef90_K7MG77 | N D T I T S T R F I R D P E T I S N G D F K L G F F S P E K S T H R Y V A I W Y | | | |
| UniRef90_W8ALZ9 | Y V G Q R A Q A G P Y Y A E M Q T D G N L V L Y N G G G P Y | | | |
| UniRef90_W5C5W4 | D T I L P T Q V L L V G Q Y A N G R F L L A V Q S D G N L V F Y K R Y D A Y | | | |
| UniRef90_U5GQY6 | N P S W L L S P N E E F A I G F Q K L P N D N E N H F F L I P E T T I V | | | |
| UniRef90_Q4RMX9 | N V L D K G T E W K K G D F V K N G E W K A V F Q E D G N F V V Y G W Q P V | | | |
| UniRef90_G7IK56 | G E V L V S D G Y N F V M G F F G W Y Y N I P G P E V I | | | |
| UniRef90_A0A059ALJ1 | T A N R D D P P V S A G A T L L F T N D G R L L R S S Q G Q E | | | |
| UniRef90_A0A022QN22 | D T I S A G I S G D S T I V S G R N V F K L Q N S T N R Y L V S E A T V I | | | |
| UniRef90_UP10006D0D52 | D R L K Q G S R L E Q D K W L V S Q N Y Y A G V Q A D G N L V I S T N Q N C I | | | |
| UniRef90_M5WJY7 | S P N G T F S S G F Y K V D T S A S C Y S I W F T N S T V V | | | |
| UniRef90_A0A059CXA9 | D T L L P T Q Q L D Q G T K Y S A G R F H F K L G D D G N L T F W D P T D A Y | | | |
| UniRef90_F6HL33 | N F L Q R G S S L L S S D D Y I T S P D K S F T C G F Y G W F T N S K E R T V V | | | |
| UniRef90_UP10002B41595 | D T I T Q S E F L E D N T T L V S N N G T F E L S P N R Y V G I W Y K N I P I | | | |
| UniRef90_UP10003DE8407 | D T M L P T Q R L N Q A G I L S T G R F M F S L Q P D G N L V F Y T T H F P Y | | | |
| UniRef90_UP10002C36E53 | D T I A P S Q S L S D G K T L V S G S F E L G F F S P G Y L G I W Y K N I P L | | | |
| UniRef90_U5GWS5 | D T I L P T Q T L N Q N T I L T N G R F L F T L Q S D G N L S L Y T T N F A Y | | | |
| UniRef90_U5GRL5 | E T E L T S N S G N F T L G F F T P Q N S T N R Y V G I W C | | | |
| UniRef90_UP100046DC670 | D T I L P T Q T L N Q N T I L T N G R F L F T L Q S D G N L S L Y T T N F A Y | | | |
| UniRef90_UP100032A648A | D T I L P T Q T L N Q N T I L T N G R F L F T L Q S D G N L S L Y T T N F A Y | | | |
| UniRef90_J3L2Q8 | E T E L T S N S G N F T L G F F T P Q N S T N R Y V G I W C | | | |
| UniRef90_V4W3W6 | D T I L P T Q T L N Q N T I L T N G R F L F T L Q S D G N L S L Y T T N F A Y | | | |
| UniRef90_G7JCX3 | D T I L P T Q T L N Q N T I L T N G R F L F T L Q S D G N L S L Y T T N F A Y | | | |
| UniRef90_UP10002E7FEF6 | D T I L P T Q T L N Q N T I L T N G R F L F T L Q S D G N L S L Y T T N F A Y | | | |
| UniRef90_UP100046DFC58 | D T I L P T Q T L N Q N T I L T N G R F L F T L Q S D G N L S L Y T T N F A Y | | | |
| UniRef90_J3M263 | D T I L P T Q T L N Q N T I L T N G R F L F T L Q S D G N L S L Y T T N F A Y | | | |
| UniRef90_A0A022LSS5 | N R I L G G T V L R S D T S N T R I L N M R T D G N L V Q K V S G R V V | | | |
| UniRef90_K7KI11 | N R D K P V N G R G S H L S L W K D G N V V L T D G G T I I | | | |
| UniRef90_F6H549 | N S L V S K N A T L L Q L T E Q G D L V L K D G T T A V | | | |
| UniRef90_A0A022RGX6 | T L L P G Q S L H Y P Q T L R A P S Y N L A I T R N G E L V L W E H N V T Y | | | |
| UniRef90_B9SSB2 | D T M N R T R S I R D G E S L V S P S G V F K L S K D R Y L G I W Y N K I P I | | | |
| UniRef90_UP100046DC277 | D T L L S S P Q S L L Q N N Q T L V S G V F E L G F F K P G Y L G I W Y K N I V V | | | |
| UniRef90_C5XEQ9 | D T D T V A A G R P L S S G G Q S L V S G K F R L L G F F F Q P G Y L G I W Y N H T T V | | | |
| UniRef90_A0A059C900 | L F P N Q T L L S S G N I F E L G F F T L L S G S E N Q Y I G I R Y K N K I V | | | |
| UniRef90_D8TG13 | N K L Y E L I L L N N C Q L V D V K K K I S Y | | | |
| UniRef90_W9RV46 | D N I T T S S Q N L S R E Q T L I S Q G F E L G F F S P N N S V W Y K G I S P Q | | | |
| UniRef90_Q5Z604 | D F L S P G A S L S E D D V L Y S P N G D F A C G N S C T F S I W F T N S A D | | | |
| UniRef90_M8C8Q1 | D T I L P T Q V L P V G Q Q Y A N G R F L L V V D P D G N L V F Y P Q Y D P Y | | | |
| UniRef90_A5AWE1 | D T I L P T Q V L P V G Q Q Y A N G R F L L V V D P D G N L V F Y P Q Y D P Y | | | |
| UniRef90_UP100015C798A | D E L V A G E L L A P G K P L V S G A F A L G F F S P G Y L G I W Y N N T V V | | | |
| UniRef90_J1ISK5 | D T L G P G Q Y L R D N Q T L V S S S Q R F E L S G N R Y L G I W Y K N I P V | | | |
| UniRef90_A5BXA4 | T L D S G F Y L P K G Y H L T T S N Y S L G V E S D D C S V A V K A G G K E I | | | |
| UniRef90_D8SRS1 | S P G S T I L S A N H S W P S P N Q S F A L G F D P S A F V V A A I T Y A V | | | |
| UniRef90_A0A059BYN5 | D T I L P T Q V L P L G T A L H S G R F Q L R P G T S K G R Y L G I W Y S V H V V | | | |
| UniRef90_Q7FAZ2 | GET L S A G G S F Q L G F F S P G N S K N R Y V G I W F K K V P E | | | |
| UniRef90_UP100046DC993 | G E T L S A G G S F Q V Q L T A N G G L V L T D P R E R E | | | |
| UniRef90_A0A059CXN5 | D T I T T N K S I R D G N T I V S G V Y E L G F F S P G N S K N R Y V G I W Y | | | |
| UniRef90_K4CH54 | D T I L P S Q I L N Q G D S L V S G R F E F S V Q P D G N V M L Y T R N F P Y | | | |
| UniRef90_UP10002B41C77 | D T I L P S Q I L N Q G D S L V S G R F E F S V Q P D G N V M L Y T R N F P Y | | | |
| UniRef90_B9RXY1 | D T I L P N Q T L T D G Q T L V S G N F E L G F F S P G N S K N R Y V G I W F K K V P E | | | |
| UniRef90_A0A059CXV9 | T L L P G Q S L H F P Q T L R A P S K K F V I R H S G E L A L W E N N V T Y | | | |
| UniRef90_B9GLF6 | T L L P G Q S L H F P Q T L R A P S K K F V I R H S G E L A L W E N N V T Y | | | |

| | 50 | 60 | 70 | 80 |
|------------------------|---|----|----|----|
| UniRef90_W9SA90 | WT A D R D S A P V N A T L L F T S E G R L V L R P T Q G K D Y Y D □ A D S S L | | | |
| UniRef90_A0A059AAQ7 | W V A N R N N P D S N R T L K I S N E G E L V I L N R S N S I I W S T N S T K A | | | |
| UniRef90_UPI00032AAD31 | F W T K G V N S S V N P F I S L S S I G I L Q L S D L N L S V A Y S S G S G G S | | | |
| UniRef90_A5BLK2 | W S A N G D N L V T G S R V E L T S N G E F V L N D P S G K E V W R A D S G G T | | | |
| UniRef90_A0A059DHG7 | W V A G A D L M G N K S Y F Q L T Q E G E L I L F D S S L S T I W S S K T S Q | | | |
| UniRef90_I7MJM1 | W Q S D T T N Q G T G P Y L I M Q N D G N L V L F D R N K N V T W N T N T K S N T | | | |
| UniRef90_UPI0002C2DF3B | F S S N S A T Y G S A S S A A L L D S G N F V V Y D N N S T V I W E S F S F P T | | | |
| UniRef90_M5W207 | Y S S L T V G Q G E N V I L N F G A D G H L Y L L N R N G T N I W E S G L C G L | | | |
| UniRef90_Q8LMB0 | W S A N G E N P V V D P E L T I S G D G N M V I M D A T K S I I W S T R V N T T | | | |
| UniRef90_C5YGC8 | W S A N R D N P L S N S T L I I S S D G N L V V L D Q G T T I W S T R A N T T | | | |
| UniRef90_G7ITK1 | W I A N R D S P N S L G V F N V T D K G N L V I V D S K G A M I W S S N T S T T | | | |
| UniRef90_UPI00042B143F | W V A N T P I S D N K G V L L F S N H G I L S L L N S T N S T V W S S N T S K A | | | |
| UniRef90_D8SQE8 | W T N G V C G R G V D C Y L T V E L N G N M V V K T P S Q A V I W S L D R F C D | | | |
| UniRef90_UPI0002F14DAF | W A A M T F G Q N H R A I F Q P D G N L V I H N G D D R P I W A A K T H D F | | | |
| UniRef90_D8T5P9 | W T T N T D N L E D M C F L R I Q N D E N L V M Y D K H F N V W S Y N I Y W I | | | |
| UniRef90_U9LGQ8 | W A T Y T M G A D K A V V Q E D G N F V I Y K G T T V L W Q T R T A T G | | | |
| UniRef90_K9PUN0 | W S T Q T G G N P E A V I F A F H K T G E V A L Y T K D F Q P L W S T N T Q G Q | | | |
| UniRef90_A5BEK3 | W V A N R D R N D S S G V L T I S E D G N I Q V L N G R K E I I L W S S N V S N P | | | |
| UniRef90_B9I049 | W V A N T P L N D S S G V L T I S S S Q G I L V L L D Q T G R K L W S S N S S R P | | | |
| UniRef90_M1BIT7 | W V A N R D N D N T S S A L N L T R Q G I L T L L N G S G R I I W S S N S T R H E | | | |
| UniRef90_B9RW31 | Y W S E G L N N S F N P S L G L T V G T L S L F D Q T G A V M V Y S D D Y A E | | | |
| UniRef90_K3XPE3 | S S I Y W P K P S K S G W V N Y N S S R I A V L D A E G C F L S S S S D W G T | | | |
| UniRef90_D8R4F4 | W Q P K T V V Q Q P N C Y L R L Q Q D W N L V L Y N S T V G T S W S S A T F T K | | | |
| UniRef90_B9T590 | N I A V T G D Q R A L V A S I Y N S G N L V L Y D S S S E I I W E S D T D D S | | | |
| UniRef90_UPI0003D29500 | W V A N R E N S S D A V I S L S S E Y G N V L L D G T Q T V L W S S N V S V P | | | |
| UniRef90_W1PK20 | W A N W R T L L Y N S S R Y A F Y D E L G R F V S S D K F E F Y A S D W G S S | | | |
| UniRef90_A0A059CX87 | W A T N T V G I G F Q L I F N Q S G Q V Y L T D R N G T I L S T I T E D S | | | |
| UniRef90_H6NH8W | W S T D T D G T P D G T V I R L S D S T E R V Q F W N S S N N R P W S N K H Y S Y | | | |
| UniRef90_V4U9H6 | W R T H L S S Y G V A K E A R F D S I G V L R L F D A S N K T V W S A S S K D I | | | |
| UniRef90_M5WSH4 | W V A N T P V S D R F S S V L R I T D G N L V L F N E S N T P L W S T A S T A N | | | |
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| UniRef90_A0A011ALR2 | W H T N T A G S G A T Q M L F Q Q D G N G L V L Y T S G G R A V W S S S G T Y N K | | | |
| UniRef90_U7E1G2 | W N T A T F A S G T H L Y L N N S T G Q L L I L N N S G I P V F S S D S E S E | | | |
| UniRef90_B9T440 | W S T A T F A A G N N L M D G I F R L Y N G N W S I E W S S S D N | | | |
| UniRef90_K4A086 | W V A N R A T S S S A P S L V L T N T S H L V L S D V K G R V L W T T N T S N A | | | |
| UniRef90_B9G4X4 | W V A D T D H P S S S K L A M A D D S S N L V L L S D A A G R V L W R T N V T A G | | | |
| UniRef90_D8S419 | W D T K T M R C V V A C S L V V Q A D R N V V V Y N N R R K A V W A T N S | | | |
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| UniRef90_U5FYU0 | D S S G I M T I S E D G N L V V V N Q G E V L W S S N V S I G | | | |
| UniRef90_Q69MN9 | W V A D R E T P T N G T T L S L T E S S N L V V V S D A D G R V R W T T N I T G G | | | |
| UniRef90_K7MG77 | W I A N R D Q P L S D L S F K I H K D G N N L V V L N A Q N R V I W S T N V S I T | | | |
| UniRef90_W8ALZ9 | W A T K T S Q A A A R F T L D M Q D D G N N L V L Y A E A K T P L W D S K T W S R | | | |
| UniRef90_W5C5W4 | W A S N T V G N G S R L V F N E T G R I Y F T T T N G T Q V N I T G V S M G G | | | |
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| UniRef90_UPI00046DC670 | W S A K I T D I G F Q V I F D K S G H I Y L A S S N G S I L I S S N T V S I | | | |
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| UniRef90_V4W3W6 | T A S I E A V V L D E G N L V L R D S S L W Q S F D H P |
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| UniRef90_K4CH54 | L K N P K A R L L D T A N L V V S D N F A W Q S F D Y P G |
| UniRef90UPI0002B41C77 | T F Y Q R A I L D H D G V F R H Y |
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 W S T N T T A T G A S R A E L D D S G N L V V W M D P A G H R L W K S F D S
 W V A N R D S N S S L V K L T V T N T S E L V L F D S D G R T V W M T N T
 W Q T G T A I K G V V G L K L L A N G N L V L Y D D K K G K F I W Q S
 W R S P I S G G A Y A S M N D T G N F V I Y H G S V N S V W A S G T H G H
 S T T E L V M Q P D G N L V L V Y G G Y K L P W A S G T H G N S
 W V A N R D I N D T S G V L T L K P N G I L V L V D N S N T S I W S S N S S R S S
 W S T N T T A T G A S R A E L D D S G N L V V W M D P A G H R L W K S F D S
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 N T I L A G Q A L V V N D K L V S K N N R Y A L G F F Q T S S S K S S Q D T N
 D S L R H G Q Y L Y R N E T L V S G V F E L G F F S N G Y L G I W K N Q K P V
 D D Q L T L G K P I F P S E M L I S G I F A L G F F P P A N F V W F H N R T V V
 D T I D Q A A S I T G N Q T L V S G I L F R L G F Y N P P Y L G I W Y A G I P V
 D T L L L G S S L S V E E H L Q S P E G T F S T F S I W Y T N S V N K T V V
 Q S I Q D D E T L V S G T F E A G F F R F G N S L R R Y F G I W Y
 D S L I A N S D K F A F D K D G N V Y L D S S D G V V
 N A T F A L G A D G N L V L A N D G Q V A
 D T I T P G Q A L V G S E K L I S S N G K F A L Q N T L N W Y L V P K L T Q V
 Q S I A D G E T V V S T G A T F E L S K S R Y V A I W Y K K I P V
 D T L L P G Q E L R G N T S L V A G K Y R L S M N R R G Y L N H S Y W G I I N
 E S P V G E N A T L E L T G G G D L V L R E D G K L V
 N A T F S L L P S G N L V L A E D G R V V
 D T L L P Q Q V F T R H A K L V S G F Y T L F F D D N D I L R L Y D G P A S
 D S I T P T Q P L A G N R T L V S S D G L F E L G L S D Q S Y V G I W P K T V V
 T L L Q G Q S L A G D D K L L S G A F S L S F F S D G Y L G V M Y A K T V P
 D F L T S S Q N L T D G N T L V S G F F R P G S N N R Y L G I W Y K T I P I
 Q V V
 N T I T P N Q P F R D G D L L V S S R F A L G F F S P R N S T L R Y I G V W Y
 V M V P G D T L S R G Q C I A N G D D T L V L Q A D G N L V H Y T G G N A E
 S A G K R F Q L G F F K P V N S T Y R Y V G I W Y S N P V L
 R V V A G T G G L E G L S M C S L V V L L G D V T A
 W Y T Q P P R T V V
 V R E Y A P Q L L
 L S S N G V F A F G F Y N L S F T L S V W F A A S A D R T V A
 N D Q L T Q A K P L F L K D K L V S G D F A L G F F S P T N S S R I P E R T V V
 D S I K A G E F I N A S Q I L V S A K Q K F V L G M F N Y L G I W Y N N I P Q
 D A L T P N Q P V R D G D V L V S S R F A L G F F S P G N S Q H R Y V G V W Y
 H N G F F L V S N S S A F A G F S S F V L V V L H S Y K V V
 T A N R D D P P V T L T A T L Q F T M N G S L L I I D E Q G Q K
 N Q T I K E G D V L S K G N N F A L G F F S P G S S S N R Y L G I W Y H K V P E
 D D Q L T H A K P L S A G D T V S K G G H F A L S N S P N T S L Y P G R T I V
 N S T I Y P G Q S L I G N Q T L T S P R G V F E M G F
 D T I T Q D Q Q Q L S D G S T L V S G T F E L G F F N P G S S N N R Y V G I W Y
 T V N L T A N S G L V L T P Q G E E L
 D T I L P S Q E L P K G S V L Q S G R F Q I S V Q D D G N L S L F R Y D P P Y
 T A N R N S P V V P S N A V L L L T S D G R L I V Q V G G Q E L
 N R D Q P V N G K R S T L Y F D D N D I L R L L Y N G P T D
 D S L K T N Q T I K E G D L L I S K G N N F A L S S N R Y L G I W Y H K V P E
 D T I T A N Q Y L S G D Q T L V S G V F E L G F F K P G N S S N Y Y L G I W Y
 N Q T V K D G S V I S K E N N F A L G F F S L G N S S F R Y L G I W Y H K V P E
 D T I L P T Q Q L D L G A N Y S T G R F L F A L Q P D G N L V L Y S T S D A Y
 D F L S P G S S L S P D G S F T C G F Y N I S P N S S I F S V W F S N S T I V

| | 50 | 60 | 70 | 80 |
|------------------------|---|---|----|----|
| UniRef90_M0Z4D0 | W A S N T V G N G S Q L V F N E T G R | V Y F T L I N G T Q I N I T S A E G G | | |
| UniRef90_O81905 | W V A N T P L S S S I G T L K I S D S | N L V V L D Q S D T P V W S T N L T G G | | |
| UniRef90_UPI000350E5F1 | W V A N R E N N L T S C K L L L S H D G N | L V I L A N D G S M I W T S K A N T T | | |
| UniRef90_V4SY14 | W S S Y T S G A G H N V T L N L | D Q Y G I L Y L G N S T G H Q I G T S G S F S S | | |
| UniRef90_K7KXD7 | W V A N T P L Q N N S G V L K L N E K G I | E L L S P T N G T I W S S N I S S K | | |
| UniRef90_B9HXU6 | W V A N T P L N D S S G V V R L T N Q G L | L V L L N R S G S I I W S S N T S T P | | |
| UniRef90_I1M308 | W E A N R G N P G E N A T F S L G T D G N | L V L A E A D G R I A W Q T N T A N K | | |
| UniRef90_V4UOT3 | W E A N R G K P V R N A T F S L G T D G N | L V L A E A D G T V V W Q S N T A N K | | |
| UniRef90_C5YV85 | W S A N P D H P V H A R R I T L H K D G N | M V L T D Y D G A V M W Q A D G N F | | |
| UniRef90_B9R761 | W A T N T I A K S S D S L Q L R D T G N | L V L V T A E G V I L W Q S | | |
| UniRef90_G7LEC1 | Y E S G T N T S S P G A Q L V F D K S G D | L Y L R E N S E K F Y E S K V S P T | | |
| UniRef90_T1LD28 | W V A N R N T S S V S A E L A I S N T S G | L I L S D S Q G Q T V W A T N T A G D | | |
| UniRef90_A2ZQF5 | W S T N T S G Q S V V A G M T L T E S G N | L V L Y N H N N L P V W Q S | | |
| UniRef90_B9I035 | W V A N T P L N D S S G V L R L T D G I | L A I L N Q N G T I I W S S N S S R S | | |
| UniRef90_UP10003D257C7 | W S A N R D S P A E I T S I S L T N G G | L L V L N Y A N G T V Q Q I S N R T A S | | |
| UniRef90_UP100036603CE | W T A G Q S S A G Y V D F Q H D G N | L L V V Y T G A G Q P V W A S N T W C | | |
| UniRef90_UP100042B75EF | F N S S E Y W N I D N A F Q K L D E N G R | V L L Q D N G A T L V S S D F G E P | | |
| UniRef90_C5YIW8 | W S T A T K N K S V V A G M R L D L S G N | L L V L F D Q N S S L V W Q S | | |
| UniRef90_W5C4E1 | W V A N A R E T P V I N P V L S L T N S S N | L L I L S D G S G R V L W T T N L S A T | | |
| UniRef90_M8BNQ4 | W S S N I S G R G V D G M K I T E T G N | L L L F D Q K N S T V W Q S | | |
| UniRef90_UP100042B1C6F | W V A N R E V N D S S G V A K V T N Q G | L L V L L S G E G K T I W S S H S S R P | | |
| UniRef90_K7KXF1 | W V A N R N N T N S T T K L T I T K E G N | L L V L N Q N N N I I W S T N T T T K | | |
| UniRef90_A0A059BUZZ | W V A N R V S T D S S G T L K I T R Q G S | L L L L D G N G S E I W S S N S S I P | | |
| UniRef90_F6H294 | W V A N R E Y K N R S S V V L T V R T D G N | L E V W E G K I S Y R V T S I S S | | |
| UniRef90_G7LFU6 | W Y L G I N E T N K D S N G I V T L H K N G | N G N L V I L N P G N V I I W S T N I S S | | |
| UniRef90_B9I1U3 | W E A N R G N P V R N A T L T F G K D G N | L V L L A D A D G R V A W Q T N T A N K | | |
| UniRef90_F2D2H9 | W S T N T T E M S V V A M N L T R T G N | I I I I H V N T E I W R S | | |
| UniRef90_M5Y3U1 | W D A G R S T D N S S R I A V L D S | I I I I T S S D K Y T L M A A D Y G A | | |
| UniRef90_G7IZ17 | W V A N T P V Q N S T A M L K N I N N Q G S | L V I L D G S K G V I W N S N S S R T | | |
| UniRef90_Q25AB6 | W V A N R D N T P S F A T L A I S N S S N | L V L S D S G N H T L W T T N V T G G | | |
| UniRef90_A0A059CF15 | W V A N R E K N D T S G V L A F D H C G N | L V I I H E N D D G S P I W S T N I S S F | | |
| UniRef90_V7BRW9 | W V A N R D S K G N S S M L T I A N D G N | M V L L D S N S N Q T I W S T N I T S L | | |
| UniRef90_W1PN32 | W E S G T A N M G V V S S A T L E E S G N | F I I I I R N S S S S I W E T F K N P T | | |
| UniRef90_V4W873 | W V A N R N N N D T S G V L S V N I Q G N | L V L L H N Q S T V P V W Q A N S D A S S | | |
| UniRef90_C5Z547 | W S A N R P V Y T W G S K V K L K F D G S | M V L R D Y G G Q I V W S S N N V S S S | | |
| UniRef90_B9RXY2 | W V A N R D N P L T N S S G I F K F N Q S | L V L F D Q G Q N N L I W S S N N Q I K | | |
| UniRef90_I1IUS5 | W S A N R P V H E R R S S L T L R K D G S | M V L K D Y D D T V V W Q A G D G N L | | |
| UniRef90_A5BHL9 | W V A N R E F T D S S G V L K V T D Q G T | L V V L N G T N G I I W S S N S S Q P | | |
| UniRef90_W5F9J2 | W V A N T N N N P S T P M L S L T N T S N | L I I S N N S G R V L W T T T T R A G | | |
| UniRef90_M0X5T2 | W Y L G I W F N T V P T V L T V S Q D G N | G I I I L N R S R S K S I I W S T K V N I T | | |
| UniRef90_UP100046E26E5 | W V A N R D S P S S G V F L T I R Y D G N | M V I I S D R S N I P I L N Y G A L A S | | |
| UniRef90_Q5JQW1 | W V A N R D N T P S S A T L A I T N S S G | M V I I S D S Q G D I I W T A K I S V I | | |
| UniRef90_M8CC39 | W V A N R Q N P P S S P G V L K F S P D G R | L V I I V D G L N A T V W S S A T R N I | | |
| UniRef90_C5WWH2 | W T A N R D R D P A R G A V V T L R K D G T | M V I I T D Y D G A V V W Q T E G D L | | |
| UniRef90_Q70128 | W V A N R D A Q N S T A T L K L T D Q G N | M V I I L D G L K G I V W S S N A S R T | | |
| UniRef90_UP10002C32D73 | W S T N T T G E V V T S M E L Q D S G N | L V L L G E K G S I I W Q S F S H P T | | |
| UniRef90_A0A059BNR9 | W Q S R T T N K G V V G F K L L P P N G N | M V L Y D S K G N F V W Q S | | |
| UniRef90_UP1000350E340 | W V A N G D N P L T D Q T L K I S D D N G N | L V I I F S R T N S M V W S T Q A N T T | | |
| UniRef90_M1CRP0 | W F A N R N H P H E N G T L Q L Q D G D | L V I I L D Q K D T L V W S T G T A N K | | |
| UniRef90_M5WPY5 | W I A N T P L T G S S G V L K V S S P G I | L V L V D D Q K N T T V W S S N T S S S | | |
| UniRef90_D8R007 | K Q L N T S E S T S T P K F T F S I D G H | L A F F D A N G S S W Y R Y K F D N | | |
| UniRef90_J3LWL4 | W S S T S T S G R S V A G M E I T E N G | N L V L F D Q R N A T V W E S | | |
| UniRef90_M0T6Z8 | W T T N T T N K G V V G L K V L P P N G N | V V L Y D A K G R F V W Q S | | |
| UniRef90_K7KT18 | W N A G R S T Y N N S R V A V M D T L G N | F S S S D D L H F L T S D Y G K | | |
| UniRef90_Q40096 | W V G N R D G R G S A G I L K I G E D G N | I I H L V D G G G N F I W S P T N Q S A | | |
| UniRef90_M0XKB6 | W V A N R S A A A S S Y Y A A T V T D S G D | L R V L E G E R I I V W Q T N T T S S | | |
| UniRef90_J3LB65 | W S T N T D S H V V G M N L D E T G N | M V I I F D I M G K T V W E S | | |
| UniRef90_UP10002B4A08B | W V A N T P L T H L S S I L T I N T T A N | H V V L I I Q N K T V I W S A K S I K P | | |
| UniRef90_M7ZNB1 | W S A N R D H L V R N A T L E F T S H G N | L V L V R D V D G S H V W S S S T S G Q | | |
| UniRef90_A5AS83 | W V L N R D H H N D S S G V L S I N T S G N | L L L L H R G N T H V W S T N V S S S | | |
| UniRef90_R1DGU9 | S A T G T T E G F E L R F Q T D G N | L V L V Y S S S N F T I E Q S D T S G | | |
| UniRef90_U7DYY4 | W V A N R N K N D S S G G M M T I S D D G N | L V L V I N G K G E V L W S S S K V S N G | | |
| UniRef90_J3L5D6 | W A S D T F L T R G P C O R L E L T V D G D | L R L T D G A G I I V G W S S S T A G R | | |
| UniRef90_A0A059DGY3 | W L V Q R E L M N D T V Q M R L T Q E G D | L V L V L G A D G K K M W S T N T A G K | | |
| UniRef90_K7KBW2 | W M A N R D Q N G K R S T L S L G V G N | L V L V T D A D Q F Q V W S T N T L T S | | |
| UniRef90_W1P1F1 | W S A N R D R P V V V N A T Q L Q T Q S G N | L V L V L K D A D G T L V W N T D T G G K | | |
| UniRef90_J3L6J2 | W T A N R D R P G M G M S K V T L R K D G S | L V L V T D Y D G T A V W Q T N S S S S | | |
| UniRef90_F6GZ97 | N D T S G I V K I S E D G N L Q I I L N G E K E V I | V I W S S N V S N A | | |
| UniRef90_K3Y545 | W V A N R D N T S G I V K I S E D G N L Q I I L N G E K E V I | W S S N V S N A | | |
| UniRef90_UP10002B45338 | W V A N R D N P S S A K L A I T N N S E L M L | S D S Q G R S I W K T N N T R G | | |
| UniRef90_UP10002C3643D | W V A N R D N N D S S A V L S I I N G D G G | L Q S E R D E I I L W S T T S S E P | | |
| UniRef90_V7BXM2 | W T A N R G L L G K S A K F E L D L S G N A Y L | L V I I H D N S S S N P L W S A N T L S S | | |
| UniRef90_Q9ZVA2 | W Q T N T A N K G V T G F Q I P P N G N | W A Y L E G D G G V V W A T N T T G Q | | |
| UniRef90_UP100032AD253 | K L I V I N A N T R A S S A S M H D S G N | L V I I H D K N G K F V W Q S D S N G S S | | |
| UniRef90_U5G0S1 | W V A N R N D P G S S G F L F V D Q Y G N | F V I I Y D H N N N I I W Q S Q A N H S | | |
| UniRef90_M0UDY0 | W T A N R D N P T S S P T L A I T N S S G | L V L V Y G N D D Q P V W S T N V S E E | | |
| UniRef90_M8HY8 | D T P I A T A K S V L S V T A D G H | L V L V L S D S Q G R T P W A V K N D I T | | |
| UniRef90_G7LFU9 | W I A N R D Q K D S A N G V L T I H K N G | L T L T D G S S Q G E L W R A P T P S M | | |
| UniRef90_UP10003D76767 | W S A N K D R P V K N A M V Q L K T D G | L V L V I I P N G S I I I W S T N I S S | | |
| UniRef90_W9QYM3 | F T P A L K I L E N G N L T F L I S E S K A A I | W S T N S K S S | | |
| UniRef90_UP10003DED5C7 | W V A N R D N R H N S S K L V I R Q E G N | L V L V L S N N N Q S L W T T N V T K K | | |
| UniRef90_UP100046E09A3 | W K S G T G A G V V A N G V L N D T G N | F V I I F L Q D S N S E S L W Q S E T N Y S | | |
| UniRef90_M7YV28 | W D S K T G G N G S S L V F N T T G S | I Y Y T T S S G Q F N I T S E T L D S | | |
| UniRef90_V7AM09 | W I A N R D H H N G K R S T L S L K S G N | L V L T D A A Q F Q V W S T A T A T T | | |
| UniRef90_M0ZXP1 | T V V N L I S G Q V I A S A S M L D T G N | F V I I F L Y N S D H H S I I W Q S F D N P T | | |
| UniRef90_K7L1C1 | W S T N T A T S S K Q V Q L H Y D T G N | L V L L D D N S D N V V W Q S G T N Y S | | |
| UniRef90_UP100032A6770 | W D S K R A G Y N N S R V A V L N T L G N | F M T S D Y G T L | | |
| UniRef90_B9HYS1 | W V A N R N D P G S S G F L F V D Q Y G N | L I L Y G N D D R P V W S T N V S E E | | |
| UniRef90_M5X8S1 | W V A N R E Q P I S S D R F S S V L S D G N | L L L F S K S K G S V W S S T T T S A | | |
| UniRef90_B9H1V6 | W V A N R G H H N G S S G F L S I N Q Y G N | L V L Y G D S D R P V W S A N C S V | | |
| UniRef90_A0A059CYF7 | W A T D T I T A G R M G F R L I F N Q S G Q E | W T A E L V P T | | |
| UniRef90_J3MFK0 | W S A N L H R P S W G S K V K L N D G S M V L | W Q D Y S G Q T V W T N N V S S S | | |

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| UniRef90_M0Z4D0 | D F F H R A T L D P D G V F R Q Y | |
| UniRef90_O81905 | D S P L V A E L L D N G N F V L R D S V L W Q S | |
| UniRef90_UPI000350E5F1 | T N N T I A A L L D N G N L V L R S A V F W Q S F D H P | |
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| UniRef90_K7KXD7 | A N N P V A Y L L D S G N F V V K N S F L W Q S | |
| UniRef90_B9HXU6 | A R N P V A Q L L D T G N L V L M E N S L W Q S F D Y P G | |
| UniRef90_I1M308 | G V V A F R L L P N G N M V L L G K F L W Q S F D H P | |
| UniRef90_V4UOT3 | G V V G F K L L P N G N M V L H G N F I W Q S | |
| UniRef90_C5YV85 | T D V Q R A R L L N T G N L I I R G N T V W Q S F D S P | |
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| UniRef90_T1LD28 | | |
| UniRef90_A2ZQF5 | | |
| UniRef90_B9I035 | A S N P A A Q L L D S G N L V V L E N S L W Q S F E H P | |
| UniRef90UPI0003D257C7 | L G T M Q D D G N L V L R D S S V W E S | |
| UniRef90UPI00036603CE | Q D G C H L G I Q D D G N V V I E D D F F W S T K T A R | |
| UniRef90UPI00042B75EF | N R L R R R L T L D N D G N L R I Y S E V V W Q A | |
| UniRef90_C5YIW8 | P G P S A A V L L N T G N L V I R G T T L W L S F D H | |
| UniRef90_W5C4E1 | | |
| UniRef90_M8BNQ4 | | |
| UniRef90UPI00042B1C6F | V R N P V A Q L L D S G N L V V K D S F I W Q S F D Y P G | |
| UniRef90_K7KXF1 | A T N V V A Q L L D T G N L V L R D K F L W Q S F D H P S | |
| UniRef90_A0A059BUZ7 | S R Y P V A Q L L D S G N L V V R G N F L W Q S | |
| UniRef90_F6H294 | N S K T S A T L L D S G N L V L R N S I L W Q S F D Y P S | |
| UniRef90_G7LFU6 | S T N S T A Q L A D S G N L I L R G A T I W D S F T H P A | |
| UniRef90_B9I1U3 | G V A G F E V L P N G N M V L H G N F I W Q S F D S P | |
| UniRef90_F2D2H9 | | |
| UniRef90_M5Y3U1 | K S Q R R L T V D S D G N V R L Y S | |
| UniRef90_G7IZ17 | A K S V I V Q L L D S G N L V V K D A S L W E S | |
| UniRef90_Q25AB6 | D G A Y A A L L D S G N L V L R G T T I W Q S F D H P | |
| UniRef90_A0A059CF15 | N G S T T A Q L L D S G N L V L S K M V I W Q S F D H P | |
| UniRef90_V7BRW9 | T T H P L V Q L L D T A N L V L K E S F L W Q S F D H P C | |
| UniRef90_W1PN32 | S G S Y S F S L N K T G N L T L T W Q N N | |
| UniRef90_V4W873 | A G N T V A Q L L D T G N L V L T G Q T L W Q S F D H P | |
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 G S T L S P G N S W T S P N N T F S L S F V A A I T Y A G G V P V W
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 Q V V
 N T L S A T E S L S S N K T I V S G F F T I L G D S W Y L G I W Y K K I P E
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 D Y T R W I
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 E D V L S P G R V F K A G H Q V G N N S Y C F A I W F N E P S D S Y Q N R T I V
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 D T L L P T Q N L N S G A Q I S E G R Y K F I L Q A D G N L I L Y T H Y P Y
 N D Q L T H T N L L T H G D M L V S G D F A L G L F S S F Y L G I W Y H G L P V
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 T I I S S K S V K D G D F L V S E N Q T F V L G F F G I W Y K F S K E M V V
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| UniRef90_R7W2M1 | W V A N R N T S S V S A E L G I R N T S G L I L S D S Q G Q V T W A T N T A G D | |
| UniRef90_UPI0003EAADA2 | W Y S N S A G G S F A P R L A L T N D S N L V L S D A G G R V L W T T N V T G A | |
| UniRef90_M1BNW1 | W V A N R E A P L T S G S G I L K E P G R L V L L N D T N K V V W S T N T S T S | |
| UniRef90_D8RC97 | W S S N T S G Q Q G V V A M V L Y V T G N L V L L H R E K F E I V W Q S | |
| UniRef90_W5AS41 | W V A N R D S T A S P A T L A I S V K S D L V L S D S E G R M L W M T K T A D E | |
| UniRef90_UPI0002C2F945 | W M A N R D Q N G K R S K L S L K T G N V I L T D A A Q S H V W T T T T S S L | |
| UniRef90_M4EE73 | W V A N R E K T D S M A N L S I S S S N G S L L L F D G K H G I V W S S G V T F A | |
| UniRef90_M0ZXP2 | W T A N R R N S P P S N A V L L L N N D G R L I V Q V G S Q E N S V I N P S | |
| UniRef90_U5GK51 | W S T Q D S G S G Y R V F N Q S G Y M Y L V A Q N G N S V F S N S V S M Q | |
| UniRef90_M0YRS5 | W I A N R D N N P P S S A M L T I N N N S C M V L S D S E G R N I W M T S N N I T | |
| UniRef90_B9GBP9 | W S A N R P V H G A R S R V A V L D G R G A L V L T D Y D G E V V W W N S T V A N | |
| UniRef90_P0DH87 | W V A N R D T P L S S N P I G I L K S N A N L V I L D N S D T H V W S T N T G A V | |
| UniRef90_M4F6N7 | W S Q G F S S N L S S P S L A L Q T N G V L M F D S T G T E T I Y S D D Y G E | |
| UniRef90_A0A059CSL6 | W Y A N R E N P M D S S C T L Q V R Y D G N L V L I D R R Q T P I N S G M L A T | |
| UniRef90_UPI00046DB677 | W Y A N R D N A P K G S T V N L T A N S G L V L K S P Q G E E L W K S E T S A | |
| UniRef90_B8AUV2 | W V A N R D N P I T T H T A R L T N T S G L V L V L S D S K G R T I W T T T N T V T G | |
| UniRef90_T1LI56 | W V A N R D G S G L S G K L V L T N N S D L V L S D S K G R I I L W M T T T A G G | |
| UniRef90_W5BTV1 | W A A N R H H P V K N A S V Q L T K D G N L I L R D F D G S L V W S T N T L R G | |
| UniRef90_A0A022RYE8 | W Q S N T S G D V V G F K L L P N G N G M V L Y N S K G N F V W Q S E T E N K | |
| UniRef90_K3XS71 | W A S D H L E K F A A C R L E L T E D G Q Q L Q L T D G A G M V G W L S G T A G Q | |
| UniRef90_Q2QY66 | W Q N N R K I Y N F S R E A A M D A L G Q F L I S S D G T T F E A A D L G A A | |
| UniRef90_UPI0001E92EFE | W V A N R E S P D R S C I F T I S K D G N L E V I D S K G R V Y W D T G V K P S | |
| UniRef90_A0A059BMJ5 | W V T N R N P P D S N G T L E M S N A G E L V L L N Q S K S V I W S T N S T K V | |
| UniRef90_UPI00015C9B6B | W S T N T S G K S I A G L N L T E A G N L V L F D Q N N N T V W Q S | |
| UniRef90_C5Z2879 | W V A N R V S D P A S S Q L A V A A G G N L V L T N E A G K L V W S S N S S S N S | |
| UniRef90_K3XPE2 | W Y L G I W F N G T S S E L I I S D D G N L A I F N P N R S I L W S S Q A N T T | |
| UniRef90_A0A059A8N1 | W S A N R N N P I K G A T L E L T P E G D L V L K D A D G T V A W S T N T S A K | |
| UniRef90_UPI000350EFFF | W V A N R E S P L A G C E L M I S G D G N L V I L N R S D R S I W S S R V N T P | |
| UniRef90_R7W2Q6 | W S D S A I M A T G Q A V F S I T P H G E L L L T D S T G G N I W T N P S P G Q | |
| UniRef90_T1NW29 | W V A N R D D T S S S G V V T L T S S R G D L V L L D S N S N E T I W W S N S S A | |
| UniRef90_K7KXF0 | W V A N H D N P T T P T K L T L T K E G N L A L L K N N S V I W S A N T T A K | |
| UniRef90_C5WTW5 | T V T N T S F T G N S P T L T M Q T N G I V S L T D G T L T V A Y S S N Y G E | |
| UniRef90_U5FHA3 | W A S S T T G D N K G L S L Y L N Q Q G F L S M D T V S K K P V L S Y P C N N K | |
| UniRef90_A5AQZ3 | W S A S R N S P G K D A V L E L D S T G N L L L L D G D A T V W S S N T S G | |
| UniRef90_Q0DC23 | W S A N I S G K G T A T S M Q L L D S G N L V V L L G K D S S P L W Q S F S H P T | |
| UniRef90_J3L0V7 | W S A N P D N P V N S A V L N F T R D G D L L L S H S N G S V W S T A T K G K | |
| UniRef90_C5XLS3 | W V A N R Q S R S T P A V L R L S V D G R L V I L D G Q N G T V W S S A T V N V | |
| UniRef90_I1JK13 | W S T N T I T S S K Q V Q L H F Y D T G N L V V L L D N S N A V V W Q S | |
| UniRef90_UPI0002C339AD | W V A N R D N N D T S G I L T I S T D G N L V V L L H N S G L P L W S T N T P A S | |
| UniRef90_W5EK82 | W V A N R E H K P S T S R F M L S I H G E L L L T P S D T L L W S S N A S S R | |
| UniRef90_G7IVB0 | W V A N R D N T S N S T M L I M S N D G N L E I L T N N N Q T V W S T N S L S T | |
| UniRef90_K7L1C3 | W M A N R D Q N G K R S T L S L L T T G N L V V L T D A A Q F M V W S T N T A T S | |
| UniRef90_O80355 | W V A N R D S P P R S S S G T L K I S Y N L V V L L D H S D T P V W S T N T K P V | |
| UniRef90_M0UJY2 | W T K N R N A F S T T T V G F L D S S G G Y F L G S D N L T L K A V D W G Q | |
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| UniRef90_UPI00046DDB1B | W V A N R N W N S Y S A T L K I G D H G N F V L Y D E N S T V I W Q S K S D H S | |
| UniRef90_B9RFM6 | W V A N R D S P S S S S G F L I N P D G N L V V L V D E T K K I A W S S N E T Q | |
| UniRef90_W9RZT6 | W S A S K T P V D R S G A V T L T S A G E I R L G N S T G R N I W L G K T S A N | |
| UniRef90_U5FYT0 | W N D P I I G S S G G F L F I N Q Y G G N L V V L Y G N D D Q P V W S T N S V E E | |
| UniRef90_C5XG14 | W E S K T S S G K H T T V T L L N S G N L V V I S D S S S N K I M W Q S D T R L V | |
| UniRef90_A0A059DGY9 | W V A N R D N T D R Q S T E L K V S G G N L V V I L N N S E V P V W S T N L T A G | |
| UniRef90_Q9LPZ3 | W V A N R D H N D T S Q S T E L K V S G G N L V V I C V Y A S G N E P I W S T D V I D Q | |
| UniRef90_UPI0002B4D0F1 | W V A N R D R R N R R N G V L I I G D D G N L V V L D H A D V E V W R S | |
| UniRef90_B8B3K4 | W S T N T T D K S V V S M K L T W S G N L V V L L D H A D V E V W R S | |
| UniRef90_R7W6I7 | W G S G H R T N Y N S S R I A V L D D T G V F L L S S D N L R T E A S D R G A A | |
| UniRef90_R0H3X2 | W S S G H Y S K S S K C I E L T K D G D L R L K L S S N N K R V G W R S G T S G Q | |
| UniRef90_A5BWV2 | W S T N T P G K S V V G L N L T E T G N L V V L F D S N D A S V W Q S | |
| UniRef90_K7V3D35 | W S A N A N S P V S H S N F V F D K D G N A Y L Q S G G S T V W T A N I S G K | |
| UniRef90_A0A059CSN4 | W S A N R E N L V T N S I F D F D E N G N A F L Q K A G S T V W S T N T S G R | |
| UniRef90_B9SEN0 | W V A N Q D I P A S S G V L T I R Q D G N L V V I S D A R L Q P I I V N G S L A T | |
| UniRef90_M8AJK2 | W V A N R D N P I T S S K L V V S N T S D L V L V S D S D G R V L W A T K T K S G | |

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| UniRef90_K3Z3U1 | P C T A R I R D D G N L V V R G R V A W Q | |
| UniRef90_G4WHA9 | S V P V V A E L L D N G N F V L R D S N L W Q S | |
| UniRef90_UPI0001984019 | G V T A M E L Q D T G N L V V L G R I L W Q S F S H P | |
| UniRef90_V4KFK6 | D S P V V A E L L D T G N L V I R D S F L W Q S | |
| UniRef90_M5WZT3 | I R K P V A Q L L E S G N L V V N N E L V W Q S | |
| UniRef90_K4A5S5 | R G V A A A A V Q E S G N L V L K N S T L W Q S F D H P | |
| UniRef90_K4CXK2 | S K N P V A K L L D T G N F V I K D A L L W Q S F D Y P S | |
| UniRef90_M5WWL5 | S V A G L S L T D E G N L V L F D S T V W Q S F D H P | |
| UniRef90_K4CGA2 | K S P V V A E L L D N G N F V L R D S K T N G S | |
| UniRef90_D7MEU5 | T S S S A A V L L Q K G N L V L R S E P L W Q S F D H P | |
| UniRef90_B9RLS2 | S Q K P V Q L L D S G N L V V K D K V V W Q S | |
| UniRef90_K7M2F1 | G V T G F K I L P N G N M V L H D K F I W Q S | |
| UniRef90_M4CHF3 | A S S S S A V L L D N G N L V L S S R V M W Q S F D H P | |
| UniRef90_W1PSU2 | K H T I V S L L N T G N L V I S N N T V W Q S | |
| UniRef90_M8BPY9 | A R S P V A Q Q L L D S G N L V V R N N F L W Q S | |
| UniRef90_A0A059AXJ7 | S N K C H A E L L D T G N F V V S G N K L W Q S F E H | |
| UniRef90_O64782 | D F Y H R A T L D T D G V F R Q Y V Y P R K A A Q S N G | |
| UniRef90_I1IB31 | A F N S T A V L L D T G N L V V R S H V V W Q S | |
| UniRef90_W5A145 | A S A A V V Q Q L L D S G N L V V R N G S L W Q S F D Q P S | |
| UniRef90_A3AXR8 | A Q N P V A E L L D S G N L V I R E K N L W Q S F D Y P S | |
| UniRef90_I1KEB8 | E Y A Q Q L L D T G N L V L K N S V V W Q S F D S P | |
| UniRef90_K3ZCG7 | S I A G M A I T E L G N L V L S D R T V W Q S F D H P | |
| UniRef90_UPI000350F0C0 | D N S T S A R I L D S G N L I L M G K T L W Q S F D N | |
| UniRef90_UPI0002C2E04F | S N N T A A M L S D G G K F V L Q S T E V W A S F D D P | |
| UniRef90_A0A059D249 | T A H G Y A L L Q D R G N L V L Y Q S V W S S G T H | |
| UniRef90_S1SDV8 | S V S G L K L T E A G D V V L F N A T V W Q S F D H P | |
| UniRef90_F6H542 | G V K R R L T E Q D G N V R M Y S T V T W A A V K Q P C | |
| UniRef90_M0YV73 | S I L G M N L T E A G N L V L L G N L A W Q S F D H P S | |
| UniRef90_A5ARX1 | T A G F A A T L T N S G N L E L R G T M L W Q S F D H P S | |
| UniRef90_UPI00035128A3 | E S N T V A V I L L N T G N F V I R D Q V T W Q S F D H P A D K | |
| UniRef90_B8AAP0 | N G V D A V I L L D T G N L V L L R G T V I W Q S F D H P | |
| UniRef90_R7W2M1 | S S P P A A E L L N S G N L V I R G V V W Q S F D H P | |
| UniRef90_UPI0003EAADA2 | V Q N P A Q L L D S G N L V V K D N F L W Q S F D H P | |
| UniRef90_M1BNW1 | | |
| UniRef90_D8RC97 | | |
| UniRef90_W5AS41 | D A R A S A V L L D T G N L V L R G T V V W Q S F D H P | |
| UniRef90_UPI0002C2F945 | S P A R L S L H D S G N L V L L D V V L W Q S F D S P | |
| UniRef90_M4EE73 | S N R S H V E L S D S G N L I V V D N T L W Q S F D H | |
| UniRef90_M0ZXP2 | R A I A S A S M L D T G N F V L Y D S V I W Q S F D N P | |
| UniRef90_U5GK51 | N F Y L R A T I D Y D G V Y V L W Q S F D H P | |
| UniRef90_M0YRS5 | V G A Y A L L N S G N F V L R S K D I W Q S F D H P | |
| UniRef90_B9GBP9 | A T A A R A R L H D S G N L A I S G N I L W Q S F D H P | |
| UniRef90_P0DH87 | R S S V V A E L L D N G N F V L R G S F L W Q S | |
| UniRef90_M4F6N7 | G S N T F L K L D D D G N L R I Y S S A S R N S G P | |
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| UniRef90_UPI00046DB677 | G V A G G V M N D T G N F V L Q D R S L W E T F N N | |
| UniRef90_B8AUV2 | G G G A T A V L Q N T G N F V L R G T E V W Q S | |
| UniRef90_T1LI56 | D G A V A L L L E A G N F V V Q F T Q V W Q S Y D H P | |
| UniRef90_W5BTV1 | P I V G V N L A D T G N L I L F G K T V W E S F E H P | |
| UniRef90_A0A022RYE8 | N G P Y S L V L E P G V K A L H L D K T G N L V L V N R T R W Q S L D D P T D K | |
| UniRef90_K3XS71 | G V I R R R L T L D T D G N L R A Y S T G T W S | |
| UniRef90_Q2QY66 | S V S A R M V L M D N G N L V L I S N V V W Q S F Q N P | |
| UniRef90_UPI0001E92EFE | L G N P V A Q L L D C G L M L | |
| UniRef90_A0A059BMJ5 | | |
| UniRef90_UPI00015C9B6B | | |
| UniRef90_C5Z879 | L S G T V A V L L D S G N L V L R G E V L W Q S | |
| UniRef90_K3XPE2 | T N T I A V L L I N S R D L V L S D T I F W R S F D H | |
| UniRef90_A0A059A8N1 | S V V G L N L T D L G N L V L F D K T V W Q S F D H P | |
| UniRef90_UPI000350EFFF | T K K T I A V L L N S G N L A L S D A A F W E S F S H | |
| UniRef90_R7W2Q6 | S G N V L R L Q D S G N L P L V S N V V W E T F R H P | |
| UniRef90_T1NW29 | A V V A Q L R D D G N L V L A D A A V W Q S F D H P | |
| UniRef90_K7KXF0 | A T N V V A Q L L D T G N L V L Q D N Y L W Q S F D H P S | |
| UniRef90_C5WTW5 | S G D M F V R L D A D G N F R A Y S A A R W S A V A D Q C Q | |
| UniRef90_U5FHA3 | T T I F R A T L D A D G I F R | |
| UniRef90_A5AQZ3 | E G V E T A Y M S E S G N F I L Y N G P L W Q S F S H P S | |
| UniRef90_Q0DC23 | D Q V A T L S L E A L G N L V L S D K T V W Q S F D H P | |
| UniRef90_J3L0V7 | T A G G G T L R L L D S G N F I L S A S V A W Q S | |
| UniRef90_C5XLS3 | | |
| UniRef90_I1JK13 | | |
| UniRef90_UPI0002C339AD | R N S N M V Q L L D S G N L V L V N E V L W Q S F D H P | |
| UniRef90_W5EK82 | S S T T V A T L Q D D G N L V V R R S L V W Q S F D H P | |
| UniRef90_G7IVB0 | T S S H V A Q L L D N G N F V I | |
| UniRef90_K7L1C3 | S K Q V Q L H F Y D T G N L V L L D N S L W Q S | |
| UniRef90_O80355 | K S P V V V A E L L D N G N F V L R N R F L W Q S | |
| UniRef90_M0UJY2 | G V T R R L T L D Y D G N L R L Y S | |
| UniRef90_G7JCZ3 | R G C Y F Y L G M Q N D G N L V L Y S R A Y W A S N S | |
| UniRef90_UPI00046DDDB1B | A V N P I A Q L L D S G N L V L K D E F L W Q S | |
| UniRef90_B9RFM6 | K A C C E A Q L Q D S G N L V L V D N I V W Q S | |
| UniRef90_W9RZT6 | S N T T R L I L R N D G N L V F G G W E S | |
| UniRef90_U5FYT0 | N D I F A A Q L L D S G N L I L S R N I V W Q S | |
| UniRef90_C5XG14 | S G Y H H L Y F D N D N V L R L Y D S I Y W P S P D Y D A Q K | |
| UniRef90_A0A059DGY9 | S S S M V A V L E D D G N F A L K A A P L W Q S | |
| UniRef90_Q9LPZ3 | E P A L V A K L S D L G N L V L L G K S F W E S F N H P | |
| UniRef90_UPI0002B4D0F1 | S F E P R L T L L N H G A L V L S S S K V H W S S F E H P | |
| UniRef90_B8B3K4 | G V K R R L T I E Q D G N L V R M Y S G V E R L E L Q S T G N L V L L D A I K W Q S | |
| UniRef90_R7W6I7 | | |
| UniRef90_R0H3X2 | | |
| UniRef90_A5BWW2 | | |
| UniRef90_K7V3D35 | G A T S M Q L L D S G N L V V F G K P L W Q S F S H P | |
| UniRef90_A0A059CSN4 | G V V S A I E L R D S G N L A L L G T V V W Q S F D H P | |
| UniRef90_B9SEN0 | S N N T S A T L L D S G N L I L M Q G V V W Q S | |
| UniRef90_M8AJK2 | G R G A V A V L L D T G N F V L R G T E I W Q S | |

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|------------------------|---|---|----|----|----|
| UniRef90_A0A059BXI9 | D K L L P G Q L L K D G D E L V S S S D K F V F E E N G N V Y L K K G N D T A | | | | |
| UniRef90_V4ULH0 | D T F S K G R N I T D N E T L V S G N F R M G F F S N R H L G V W K R R N K P V | | | | |
| UniRef90_UPI0003509D24 | D T I L P T Q M L N Q G T N Y S T G R F H F I L Q A D G D L V F Y P T S D A Y | | | | |
| UniRef90_A0A059D957 | D T I L P T Q M L N Q G T N Y S T G R F H F I L Q A D G D L V F Y P T S D A Y | | | | |
| UniRef90_K7M079 | T A N R D S P P L S S N S T L Q L Q L T K T G L L F F Q D G R Q G Q | | | | |
| UniRef90_J3KUK1 | D T I L A V A Q A L S V G D K L V S R N G K F A L S P N W Y L G I W F N K I P V | | | | |
| UniRef90_UPI0003D78C71 | D T I T M L D N L S Q G D T L V S S S G N K F E F T P N G W Y Y R S N P Q I I V | | | | |
| UniRef90_C5YU14 | D T I L P T Q R F T A A R H L V S G Y Y S L G F S D Y A M L S L F Y D N H N V | | | | |
| UniRef90_D8S19 | F A L V L G S S N N T N S G V C V | | | | |
| UniRef90_W9SVD8 | D T I T P D H P I K D G D V L I S G R Y A L G F F S P G N Y Y R V P E K T V V | | | | |
| UniRef90_I1PK03 | A G Q R S V Y P S A N L S T L W V N N K V L D T V T Y D D | | | | |
| UniRef90_J3L4R2 | D D R I G L T A S I I N G N Q T L E S G I F K L G F F S P P Y A S I L Q S D P T V V | | | | |
| UniRef90_R0GLW7 | N I I L S S T E S L T V N R T I V S G L F E L G F F K P G T S S R W Y L G I W Y | | | | |
| UniRef90_A0A059BY57 | D T V L L G Q N F S A G M V L R S G S H S F T L L R T G N L T L T W N D T D P | | | | |
| UniRef90_K7KXH8 | Q S L S Y S G K T I V S G M F E L G F F N L G Y P N R I P V D N V V | | | | |
| UniRef90_V7BX92 | D T I I N T M Q P V N D G Q I I V S G F F S P S N S K S R Y L G I W Y Y K I P I | | | | |
| UniRef90_C5YGN4 | D D R L T P A K P L L P S E V L I S G F F S L K N S S S S Y V G I W Y N N I P V | | | | |
| UniRef90_A0A059BRE0 | D D T L T S E D S A F A A G F Y P V G A Y C F A I W F S K P S C S I P N C T V V | | | | |
| UniRef90_K3XEG7 | D S I G L G A S I A I G N Q T L V S P G G V F A L G F F F N S I L E P R P T V V | | | | |
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| UniRef90_K7LKZ2 | Q T W V S E N G T F A L E T D N R I L L V I G I W F A Q | | | | |
| UniRef90_B8A779 | L I S P D T T F S C G F Y P S G D D T N A F Y F S I W F T H A T D R T V V | | | | |
| UniRef90_V4U550 | N G T I S I G Q Q L T A A E S T E S K D F A L G F H D S K D L F L I P S K T I V | | | | |
| UniRef90_J3LPV8 | D T L L P T Q H I V A T T K L V S G H Y M F H F T D S S V L S L I D V H D I Y | | | | |
| UniRef90_W1P678 | S A G E S F E L G F F T P A N S T N R Y V G I W Y K R V V T | | | | |
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| UniRef90_Q84KW1 | N R G T P I S N P D S Q L T I A T D G N M V L L D N S T A I | | | | |
| UniRef90_I1NTS0 | L F P N Q T L S S G Q I F E L G F F T P N G S E N Q Y V G I W Y K N L A P | | | | |
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| UniRef90_Q0JEB3 | | C S L V V L L G G V K V | | | |
| UniRef90_K7V7S0 | | V V A G I P Q V V | | | |
| UniRef90_K3XIC1 | D T I L P G E P I S G N Q T L V S G A F D L G F F P P G Y F L G V R L R N M A | | | | |
| UniRef90_I1HDE9 | D I I V S P K R I F T A G F Y P V G A Y S F A I W F T Q K H K H L N N A T I V | | | | |
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| UniRef90_B9FCQ2 | E D V I V S S N G T F S A G F Y Q I G E N A F S F T E L Q N Q S H N P V N I V | | | | |
| UniRef90_G7L299 | H A T D F L V S P D G T F V T V S V W F A R A A G R T V V | | | | |
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| UniRef90_H8MJ39 | K G K Q L T V L L D T G N L V I A D A G V W Q S | |
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| UniRef90_I1HDE9 | P A A A V A V L L D N G N L V V R D R V L W Q S F D Y P G | |
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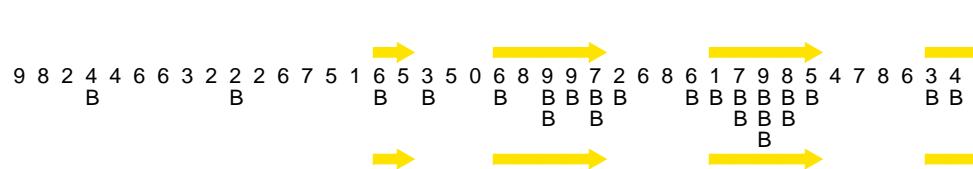
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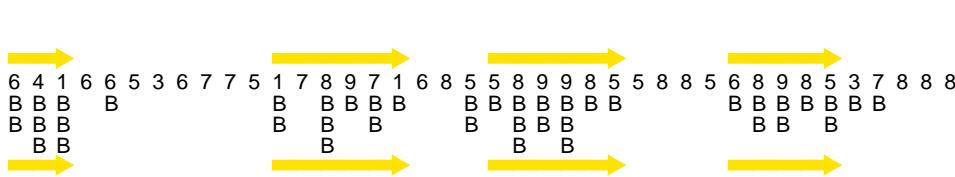
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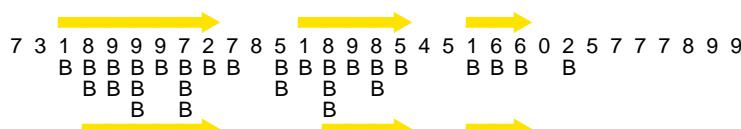
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