

| QUERY | 1 | 10 | 20 | 30 | 40 |
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| UniRef90_UPI00042C2A26 | D T S S S | I N F | L T R | V S G | P S A A R K F |
| UniRef90_UPI000443CC2C | E R Y Q T M K | L F T G I | G V G V K | S A A R K F | V D E G I |
| UniRef90_Q66HH0 | E R Y Q A M K | L F T Q I | F G V G V K | T A D R W Y | R E G L R T |
| UniRef90_F6SV89 | E R H Q T M K | L F T H I | F G V G V K | T A D R W Y | R E G L R T |
| UniRef90_UPI00045D6B7D | E R Y Q T M K | L F T Q I | F G V G V K | T A D R W Y | R E G L R T |
| UniRef90_G1TSU6 | E R F R T M K | L F T Q I | F G V G V K | T A D R W Y | R E G L R T |
| UniRef90_UPI0004543D5F | E R F Q A M K | L F T Q I | F G V G V K | T A D R W Y | R E G L R T |
| UniRef90_M5B5N0 | E R Y R T L | K V F S G I | F G V G K | T A D R W Y | R E G L R T |
| UniRef90_UPI000462B655 | E R Y Q T M K | L F T K I | F G V G V K | T A S R W H | Q E G L R T |
| UniRef90_UPI0003C28ACA | E R Y Q T M K | L F T Q I | F G V G V R | T A D R W Y | R E G L R T |
| UniRef90_UPI0003344B79 | E R Y R T L | K V F S G I | F G V G K | T A D Q W Y | R E G L R T |
| UniRef90_W5L524 | E R Y Q T L | K L F T S V | F G V G P | K T A E K W Y | R R G L R S |
| UniRef90_Q92089 | E R Y Q A L K | L F T S V | F G V G P | K T A E K W Y | R R G L R S |
| UniRef90_Q75U67 | E R Y Q T L | K L F T S V | Y G V G P | K T A E K W Y | R S G L R S |
| UniRef90_UPI000441BF32 | E R Y R T M K | L F T K I | F G V G V K | I A S Q W Y | R Q G L R T |
| UniRef90_UPI00032AE3E4 | E R F R T M K | L F T Q I | F G V G V K | T A D R W Y | Q D G L R S |
| UniRef90_T1J7P5 | D G S Q A I | N L M T R V | S G I | G P A A A K K F | V D D G I T S |
| UniRef90_UPI00033158BA | E R Y Q A M K | L F T G I | F G V G V R I | I A D Q W F | Q D G L R T |
| UniRef90_W4GGX8 | R L Q V Q L | L Q F S N I | W G V G P | A T A T N L | Y R A G Y |
| UniRef90_V8NQW9 | E N Y R S I | K L F T S V | F G V G L | R T S D K W Y | M G L R T |
| UniRef90_UPI0002C33E51 | E K V K T I | S L F E E I | W G V G P | A T A L K L | F E K G H |
| UniRef90_S9KKC0 | K V I R | L F Y N I | F G V G | G A A K A L E | W Y Q K G W R T |
| UniRef90_W5LHN1 | E S V S V L | E L F T N I | W G A G A K | T A Q L | W Y Q Q G F R T |
| UniRef90_UPI0003C18E93 | E R Y Q A L K | L F T N I | F G V G L | K T A H R | Y W R E G R R |
| UniRef90_F6WYP8 | E S V P V L | E L F S N I | W G A G A K | T A Q M W Y | Q Q G F R S |
| UniRef90_UPI0003EA7D7 | E R Y Q T M K | L F T Q I | F G V G V | K T A D R W Y | R E G I |
| UniRef90_H2VEE2 | D R Y K A K | L K V L T G I | F G V G V K | T A D R W I K M | G I S T |
| UniRef90_K4BWD9 | E K V K T I | L S L F G E | W G V G P | S T A L K L | Y E K G H |
| UniRef90_UPI0003F05AD1 | E R Y K S F K | L F T S V | F G V G L | K T A E K W F R | R E G F R T |
| UniRef90_S4RCE7 | D T S S S | I N F | L T R I | T G I | G P A V A K K I L Y D E G I R T |
| UniRef90_UPI0003F09AA8 | E E V K A I | N L F T K I | H G V G P | T I A Q E L | Y Q G F R T |
| UniRef90_W5MK82 | D R Y Q T L | K L F T S V | F G V G L | K T A E K W Y | R K G F H S |
| UniRef90_Q6T422 | E K Y K A R | K L F T S V | F G V G L | K T A D K W Y | Q Q G F R T |
| UniRef90_G3NEP6 | E R Y Q T F | K L F T S V | F G V G P | K T A D K W Y | R G G L R S |
| UniRef90_Q6C9C2 | S V K V T S | L F E G I | W G V G K | A K T A R K W Y | K E G Y R T |
| UniRef90_U9U304 | E K Y Q T L | D I F S R V | Y G V G Y | K T A R K W Y | K Q G Y K S I |
| UniRef90_V9KZ07 | S V A V L E | T F S N I | W G A G S | K T A Q M W Y | Q Q G F R T |
| UniRef90_K3WBD7 | R L K S L V | E M S R I | W G V G P | A T A A K F Y N | M G F K T T |
| UniRef90_H2MC49 | E A V P V L E | L F T N I | W G A G A K | T A Q L W Y Q | Q Q G F R T |
| UniRef90_UPI000333370A | E R Y K S F K | L F T S V | F G V G L | K T A E R W F R | M G F R T |
| UniRef90_K1PLM1 | K V I E | L F T T N V | W G A G A H | T A R Q W F | Q Q G F R T |
| UniRef90_W9VSG9 | R T Q V L K | L F K G V | Y G A G E | A T A H S W I | Q Q G F R T |
| UniRef90_C3YJ28 | A L N L F | N F D N V | W G A G A K | T A Q Q W L | Q Q G L R T |
| UniRef90_B7QK41 | E R L T A L Q | L F T K I | W G S G P | S T A E R R W V | H Q G F T T |
| UniRef90_G2X316 | R L L P V F | R L F Y N I | W G V G D | T T A R E F Y K K G W R | D I V E E L A S S G Q |
| UniRef90_J9IGR6 | E S V V V T E | L L E G I | W G V G P | K L A Q K L Y | Q Q G F R T |
| UniRef90_UPI0004408947 | E D V Q A I | K L F N N I | Y G V G G L | S T A Q K W Y S | S M G C R T |
| UniRef90_K9F777 | E T S Q I | I S L F T R I | W G V G A K | T A Q K W Y S | M G F R D I |
| UniRef90_H2XPD1 | K L Q V L K | L F Y D I | W G V A E | E T T A R E F Y N K G W R | D I V E E L A S S G Q |
| UniRef90_B2B4U9 | Q V L R T F Y | N I | W G V G D | A N A R E F Y Q K G W R | D I V E E L A S S G Q |
| UniRef90_G3JD2 | S K I L L L F Y | N I | F G V G V A S H | H A A E W Y Q K G W R | D I V E E L A S S G Q |
| UniRef90_Q09693 | R V V Q L | F T Q I | F G V G V R | T A D Q W Y R K G | L R T F L |
| UniRef90_UPI00042CB66A | D T T V A I | N E L T R V | T G I | G P A A A R K F | F D K G I K S I |
| UniRef90_B3RW50 | E N N I A I | N L L T R V | V S G I | G P A K A K E | L L A A G I K T |
| UniRef90_V9IEC4 | D S S Q A I | N L F T Q I | T G I | G P A A A K K L | V D E G L T |
| UniRef90_11G923 | E E I T Q A I | N L F S D I | W G A G A | T A T A R A W V | A Q Q G F R T |
| UniRef90_R7VD68 | D K V R T I | V N L F G E I | W G V G P | A T A L K L Y | E K G H R N |
| UniRef90_J9HWK2 | D S V A V L E | T I F S N I | W G A G V | K T A Q S W Y Q | Q Q G F R T |
| UniRef90_M0SDF3 | E H Y R T M K | L F T S V | W G V G V | K T A E L W F | H N G L R T |
| UniRef90_F6Q414 | E R Y K S F K | L F T S V | F G V G L | K T T E K W Y R | M G F R T |
| UniRef90_S4RJG9 | D S V P V L E | L F S N I | W G A G T | K T A Q M W Y | H Q G F R N |
| UniRef90_UPI0003C275BF | E R Y Q S M K | L F T R I | W G V G P | S T A S L Y S Q G F R S | L D D L R M R Q D E |
| UniRef90_Q9QXE2 | E R A I G I | R E L T S I | W G V G V | T A E K W Y A M G I | R S R V D A L R H S G S Q |
| UniRef90_10RL69 | D S V P V L E | L F S N I | F G V G V | K T A E K W Y K E Q | H Q T L |
| UniRef90_V2YCS0 | R L Q V L R | T F A N I | F G V G V | K T S D K W F R | M R G F R T |
| UniRef90_G4MSU5 | D M V E V | W S K L F Q G I | Y G V G Q | S T A V K W Y Q N G | C R T L |
| UniRef90_V9KWD7 | R V L Q L | Y L Q G I | Y G V G Q | T Q A R R W I S R G F R T | D D D L R K G K G R N |
| UniRef90_P42118 | R Y Q T L | L T L F T S I | F G V G V | K T A E K W Y K E Q | H Q T L |
| UniRef90_E0VEF2 | E R Y K S F K | Q F Q T L S | F G V G V | K T S D K W F R | M R G F R T |
| UniRef90_D2A436 | E K F A A I | I Q L L T K V | F G V G P | S K A Q E L W D K K M R S I | E D D L R N H Q S L |
| UniRef90_UPI0003C47010 | E R Y Q S M K | L F T R I | F G V G V | R T A D Q W Y R E G G I | R T K G N |
| UniRef90_C5K815 | E R A I G I | R E L T S I | W G V G V | T A E K W Y A M G I | R S R V D A L R H S G S Q |
| UniRef90_J4UJD1 | K I D V L R | I F Y D I | W G V G V | D T T A R H F Y Q K G W R | D D D L V E H G W K |
| UniRef90_I1JCZ1 | E K V R T I | T S L F G E | W G V G P | S T A L K L Y E K G H R S L | D D D L R N D S |
| UniRef90_G3NAV1 | E R F K A A I | I Q L L T K V | E K F A A I | P S K A Q E L V A Q G I | R S R V D A L R H S G S Q |
| UniRef90_A0A023F7Q5 | E R Y Q S M K | L F T R I | F G V G V | K T A Q A K Q T L V S E G I | R Q L R D S G P T |
| UniRef90_M4FUY9 | E R Y Q S M K | L F T R I | F G V G V | R T A D Q W Y R E G G I | R T K G N |
| UniRef90_L7MFB2 | E N L V A Q N | L F T K I | W G A G P | S T A E K W Y R R G L | R T K G N |
| UniRef90_H2L4T8 | E R F Q T L | K G F T S V | F G V G L | K T A E K W Y R R G L | R T K G N |
| UniRef90_A0A016Q8Y9 | R I S V L K | I F Y D I | W G V G G A | T A T E R F Y Q K G W R | D D D L V E H G N T |
| UniRef90_UPI00045750BA | E R Y K A T | K L F T S V | F G V G L | K T A D R W Y R L G F R T | E E V V Q A A K D K |
| UniRef90_A7SK52 | K T E A I | I N L F S G V | W G A G P | K T A E E L W V S K G L | R T K G N |
| UniRef90_H6BTT2 | R D K T L | R L L F M G I | Y H V G Y | P T A S K W I A E G H R T | R T K G N |
| UniRef90_B3S2V4 | A L N V F | F T K I | W G A G P | A T A H N W I A Q G I | R T K G N |
| UniRef90_L8G8G3 | Q T L N | L F F Y E I | W G V G P | K T A D R W Y R L G F R T | E E V V Q A A K D K |
| UniRef90_A2QQG4 | Q V L Q | L F T G I | Y G V G Q | I N Q A S R W L A Q Q G Y K T | E E D L K S K A N K |
| UniRef90_F7J5W8 | S A V A I | I N Q L T R V | W G V G P | P A A A R N L V D D G I C S I | E E D L K K N N D K |
| UniRef90_H2ZX52 | R S Q S I | I I L F T S V | F G V G V | G Q K T A E K W F R K G L | F E E V V Q A A K D K |
| UniRef90_E2AH73 | E N N I A I | S L L F Q G I | Y G V G P | P A K A K E L V D A G I | R T K G N |
| UniRef90_S8FP08 | E D V T A I | S L L F Q G I | Y G V G R | H T A F K W Y N S G G C R T | D D D L R K G G I |
| UniRef90_S8A5W2 | Y K T L | E L F Y N I | W G C G A H | S A R N F Y Q K G F R D | V E H H W K |

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| QUERY | |
| UniRef90_UPI00042C2A26 | L N H H Q R [] G L K Y F G D F E K |
| UniRef90_UPI000443CC2C | L T Q Q Q K A G L R H Y Q D [] S |
| UniRef90_Q66HH0 | L T Q Q Q K V G L Q H F Q D L S |
| UniRef90_F6SV89 | L T Q Q Q K A G L Q Y Y Q D L S |
| UniRef90_UPI00045D6B7D | L T R Q E A G I H H F E D L N |
| UniRef90_G1TSU6 | L T Q Q Q K A G L Q H H R D L S |
| UniRef90_UPI0004543D5F | L T R S Q E A G L Q H Y E D L N |
| UniRef90_M5B5N0 | L N R Q E A G L Q H Y T D L N |
| UniRef90_UPI000462B655 | L S K E Q Q A G L [] H Y E D L S |
| UniRef90_UPI0003C28ACA | L T R E Q Q A G V E C F E D L |
| UniRef90_UPI0003344B79 | L T K [] Q K A G L Q H [] Q D L S |
| UniRef90_W5L524 | F N R M Q T A G F I Y Y E D I S K |
| UniRef90_Q92089 | L N R M Q R A G F L Y Y S D I S K |
| UniRef90_Q75U67 | L N H M Q Q N G F L H Y G D I S R |
| UniRef90_UPI000441BF32 | L N L E Q Q A G L [] H Y E D L N |
| UniRef90_UPI00032AE3E4 | L T S Q Q K A G L Q Y H R D L S |
| UniRef90_T1J7P5 | L N H H Q K I G L K H F D D F E K |
| UniRef90_UPI00033158BA | L S Q Q E V G L E H F R D L S |
| UniRef90_W4GGX8 | L T H N Q R I G L K H Y D D F |
| UniRef90_V8NQW9 | L T R M Q K A G F F Y Y D D [] L |
| UniRef90_UPI0002C33E51 | L T H S Q Q [] G L K Y Y D D [] K Q |
| UniRef90_S9KKC0 | F T K Q [] Q V G L E Y Y E D F S K |
| UniRef90_W5LHN1 | L T H T L R I G L K H Y D D F |
| UniRef90_UPI0003C18E93 | L T K E Q E A G V [] H Y E D [] K |
| UniRef90_F6WYP8 | L T S Q [] V V G L K H Y E D F |
| UniRef90_UPI0003EA7D7 | L T Q Q Q K A |
| UniRef90_H2VEE2 | L N Q A Q Q A G [] E H Y E D [] N Q |
| UniRef90_K4BWD9 | L T R S Q R [] G L K Y F D D I Q |
| UniRef90_UPI0003F05AD1 | L T H M Q K A G F L Y Y E D [] |
| UniRef90_S4RCE7 | L N H H Q R I G L K Y F E D F E K |
| UniRef90_UPI0003F09AA8 | L N R Q Q K I G I K H F D D F |
| UniRef90_W5MK82 | F T K M Q K A G F L Y Y D D [] S |
| UniRef90_Q6T422 | F T K M Q K A G F L Y Y E D I N |
| UniRef90_G3NEP6 | L N Q M Q Q [] G F L H Y G D I S |
| UniRef90_Q6C9C2 | L T P N Q K V G L E H Y D D F Q E |
| UniRef90_U9U304 | L T H V Q R L G L E L F D D F Q K |
| UniRef90_V9KZ07 | L T K Q Q R I G L K H Y H D F R E |
| UniRef90_K3WBD7 | L S N Q Q K I G F K H Y D D F [] K |
| UniRef90_H2MC49 | L S A T Q K I G L K H Y N D F L E |
| UniRef90_UPI000333370A | F T R M Q K A G F L H Y E D [] L |
| UniRef90_K1PLM1 | L T H Q Q K I G L K H Y E D I |
| UniRef90_W9VSG9 | L T P N Q R I G L Q H Y D D F Q Q |
| UniRef90_C3YJ28 | L T R Q Q Q I G L K H Y D D F |
| UniRef90_B7QK41 | L T G Q Q K I G L K H F H D F [] E |
| UniRef90_G2X316 | L S R V Q Q I G V K Y Y D E F L Q |
| UniRef90_J9IGR6 | L T E M Q K I G L K Y Y E D I K Q |
| UniRef90_UPI0004408947 | V S D V Q E I G L K Y Y D D [] N |
| UniRef90_K9F777 | L S R V V Q I G V K F Y E E F Q Q |
| UniRef90_H2XPD1 | L N H H Q N I G V K Y F D D F E K |
| UniRef90_B2B4U9 | L T R V Q Q I G V K Y Y D E F |
| UniRef90_G3JDB2 | L S R V V Q I G V K Y Y D D F Q E |
| UniRef90_Q09693 | F T K Q [] K V G L E F Y E D F |
| UniRef90_UPI00042CB66A | L T Q Q Q K A G L Q H Q D [] S |
| UniRef90_B3RW50 | L N H H Q Q [] G L R Y V D D F E K |
| UniRef90_V9IEC4 | L N H H H Q K I G L K Y F E D F E K |
| UniRef90_I1G923 | L N H H Q Q I G V K H F H E F N E |
| UniRef90_R7VD68 | L N R H Q K I G L Q Y Y E E [] |
| UniRef90_J9HWK2 | L T S M Q K I G L K Y F E D F N E |
| UniRef90_M0SDF3 | L T A A Q K I G L K Y F D D [] K |
| UniRef90_F6Q4I4 | L T Q Q Q A I G L K H Y D D F |
| UniRef90_S4RJG9 | L T K E Q E A G V A H Y E D [] M E |
| UniRef90_UPI0003C275BF | L S R M Q I A G F L H Y E D [] |
| UniRef90_Q9QXE2 | L T A Q Q A I G L K H Y D D F |
| UniRef90_T0RL69 | L N P Q Q R I G L E H Y A D F |
| UniRef90_V2YCS0 | L S K A Q K I G L Q Y Y D D [] N |
| UniRef90_G4MSU5 | L N K N Q R M G L E H Y E D L N |
| UniRef90_V9KWD7 | F T K E Q Q V G L Q Y Y E D L |
| UniRef90_P42118 | L T K M Q K [] C G L L Y Y E D [] |
| UniRef90_E0VEF2 | L T K H Q R I G L K Y F H D F |
| UniRef90_D2A436 | L N H H Q [] I G L K Y Y H D F Q Q |
| UniRef90_UPI0003C47010 | L T Q Q Q K A A L |
| UniRef90_C5K815 | L N H N Q K I G L K Y F E E F N |
| UniRef90_J4UJD1 | L S R V Q Q I G V K Y Y E E F Q K |
| UniRef90_I1JCZ1 | L T N A Q K L G L K Y F D D [] G Q |
| UniRef90_G3NAV1 | L N R A Q R A G L R H Y D D [] N R |
| UniRef90_A0A023F7Q5 | L N H H Q L I G L K Y F E D F E K |
| UniRef90_M4FUY9 | L T R V Q Q I G I K F Y D E F |
| UniRef90_L7MFB2 | L S S Q Q K I G L K H F H D F [] E |
| UniRef90_H2L4T8 | L N R M Q Q S G F L H Y G D [] S R |
| UniRef90_A0A016Q8Y9 | L S R S Q Q I G V K Y Y D E F |
| UniRef90_UPI00045750BA | F T K M Q K A G L M Y C E D [] S |
| UniRef90_A7SK52 | L N K Q Q E I G L R Y Y D E F N E |
| UniRef90_H6BTT2 | L N R N Q R I G I E H Y D D F Q Q |
| UniRef90_B3S2V4 | L N Y H Q S I G L K Y Y D D F N E |
| UniRef90_L8G8G3 | L S R V Q Q I G V K Y Y E E [] Q Q |
| UniRef90_A2QQG4 | L T P N Q R I G V D H Y D D F A |
| UniRef90_F7J5W8 | L N H H Q K I G L K H F E D F E K |
| UniRef90_H2ZX52 | L T K M Q I A G F L Y Y E D [] S |
| UniRef90_E2AH73 | L T H H Q K L G L K Y F D D F E K |
| UniRef90_S8FP08 | L S A C Q E I G L K H Y A D [] N |
| UniRef90_S8A5W2 | L T R V Q Q I G V K F Y D E F E |

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|------------------------|---------------------------|---|-------------------------|-----------------------|----|-------------------|----|---------------------|
| UniRef90_G3MQR2 | 1 | S A S A V Q E L T R | 10 | V S G I G P A H A K S | 20 | L Y D R G I R S I | 30 | D E L R Q N Q D A |
| UniRef90_K2S2P8 | E T L A I L R I F Y D I | W G V G A T T A R D F F D K G W R D | I D D D V V E Y G S S S | | | | | |
| UniRef90_E9EUG6 | K M S T L M L F Y D I | W G V G D T T A R E F Y N K G W K D | D D D L V E Y G S S S | | | | | |
| UniRef90_W4XDV1 | E D M E A I D L F N N V | W G A G P T V A R E W V Q Q G F R T | E D D L R E K A K | | | | | |
| UniRef90_G6CNI9 | E K A Q A I S L L T R V | S G I G P V K A A D L I D K G I K T | L E D D L N K N Q D L | | | | | |
| UniRef90_R7YS72 | V L R L F Y N I | W G V G A T T A R E F Y D R G W R D | L L D D I V E Y G A T | | | | | |
| UniRef90_UPI0001CB995F | E W F K T I Q L F V G I | Y G C G P A T A R K W Y N M G Y R T | L E D D I K K S T I H | | | | | |
| UniRef90_UPI0003596D47 | E E V R V L E T F T N V | W G A G P T T A Q Q W F Q Q G F R T | I E D D L K E K A H | | | | | |
| UniRef90_H9GAY7 | E K Y R S F K L F T S V | F G V A L K T S E K W F M M G L R N | E D D V K L N Q N Q | | | | | |
| UniRef90_K1XL12 | D R F K I I E I F Y G I | H D V G A H T A L S Y Y A R G W R D | L D D I V E N W N K | | | | | |
| UniRef90_Q5FVA7 | E H F Q S M K M A L T S I | F G V G I R T A D K W Y R D G V R S L | S D D L N N L G G K | | | | | |
| UniRef90_C4JED9 | E Y S T L N L F Y N I | W G I G A K S A R D F Y Y R Q Q W R D | D D D V V E Q G D S | | | | | |
| UniRef90_UPI0003837DC0 | E Q F Q A M K A L T G V | F G V G V R T A D R W I R E G L R T | P D D L I R T G Q Q | | | | | |
| UniRef90_D5G9D0 | A L R L F L G I | Y G V G G G V K A Q K W V D A G Y R T | L L D D I K A H A R | | | | | |
| UniRef90_W4XTL7 | D K S E A I N N L L T R V | S G I G P V A A R K L V D D G V M S I | D D D L R K N T D K | | | | | |
| UniRef90_Q0C9B1 | L R V L H E F S Q I | W G V G P K T A R E F Y A R G W R D | L D D I V E H G A G | | | | | |
| UniRef90_R7VAV7 | D T N M A I N A L T R V | T V T G I G P A A A A Q K L V S E G I M S I | E D D L R K N Q E K | | | | | |
| UniRef90_UPI00046231D1 | E D V A S V Q T F L G V | Y G V G A S T A R K W Y N S G C | E D D V R K G G I K | | | | | |
| UniRef90_O57486 | E V Y R S L K L F T T I | F G V G L R T A E K W H R L G I R T | L L E E I K S N E N K | | | | | |
| UniRef90_T1FM74 | E M S T S I A E L T K V | T G I G P V A A R K F F D K G L K S I | E D D L K K H V D Q | | | | | |
| UniRef90_G4MN08 | R L K I L R E F H A T | W G V G D T T A R E W Y N K G W R D | D D D V V E Y G E S | | | | | |
| UniRef90_K5XNG8 | D D V K V T R L F Q G I | I Y G V G Q S T A F K W Y S A G C | E D D L R S Q K G R | | | | | |
| UniRef90_M5FSV4 | E E Y R V C R L F A G I | Y D V G R K R A H E W W R M G L R T | E D D V R K D E I K | | | | | |
| UniRef90_K2RAR7 | A L Q N F L K I | Y G V G L S K A R K W V M A G L R T | L Q D D L E E Y K I P | | | | | |
| UniRef90_C1BUF7 | D K A N A I N N L L T R V | V I G I G P V K A R E L V E E G I R T | V E D D L R K I I E G K | | | | | |
| UniRef90_V3ZZB0 | E E I K V L N I F N N V | W G A G P T T A R A W Y Q Q G F R T | L E D D L K T K A K | | | | | |
| UniRef90_T5AEG1 | A L Q L F L Q I | Y G V G T S Q A R Q W I A Q Q G Y R T | D D D V A Q R A K | | | | | |
| UniRef90_G9NH38 | T N S A L Q T F L K I | Y G V G N K V A Q Q W I A Q Q G W R T | L D D I K Q H V K | | | | | |
| UniRef90_K1XIA1 | K T L Q L F L K I | Y G V G P Q G A Q D K W I Q A G H K T | D D D L R A L P N | | | | | |
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| UniRef90_G2XF37 | T I L Q Q F V R I | Y G V G N A Q A S R W I A Q Q G H R T | D D D L R A G A V | | | | | |
| UniRef90_V9DNV8 | L K V L R L F W N I | W G V G A E T A R R F Y D H G W R E | L D D I V E F G Q Q | | | | | |
| UniRef90_W7EBB1 | V S L S R L F L S I | I Y G V G L A H A N K W I Q A G H R T | D D D L K T K T T | | | | | |
| UniRef90_C3YIS5 | Y G T M Q L F T G I | F G V G G S A T A R K W Y E R G F R T | D D D I R N D S T S | | | | | |
| UniRef90_B7QKW0 | D S T S A I Q D L T R V | V S G I G P A A A R S L F E R G I S N V | D D D L R K D P S S | | | | | |
| UniRef90_A1CSU7 | L R T H L F G N I | W G V G G A K T A R D F Y Q R H W R D | L D D L V E H G A A | | | | | |
| UniRef90_G0SDS2 | Q I L S T F L K I | Y G V G N A Q A N K W I T Q G F R T | E D D I R Q K A D | | | | | |
| UniRef90_D5GCP7 | S F N I L K L F S S I | W G V G P V G A R E F Y D K G W K T | V D H G W Q | | | | | |
| UniRef90_B6QS14 | K A I Q L F L G V | Y Y G A G F A Q A S K W V A K G Y R S L | E D D I K N K A E | | | | | |
| UniRef90_K5VLIO | V L R L F R Q G I | Y G V G S I T S L K W Y A A G C R T | D D D I R K G G I K | | | | | |
| UniRef90_G7XHQ4 | T L Q I L N N F Y N I | W G V G A K T A R E F Y Y R H W T D | D D D I I E H G N N | | | | | |
| UniRef90_W9X5S1 | L L Q H I R L F W N I | W G V G G P E T A R K F Y E H G W K D | M D D D V V E F G W S Q | | | | | |
| UniRef90_E9BYV7 | R L K V I L E M S Q V | Y G V G P T T A Q K L Y A K G I H S | M D D Q L R A Q A S Q | | | | | |
| UniRef90_R1GWA2 | V S V L R L F Y N I | W G V G D T T A R E F Y R K G W R D | D D D L V D T W D S | | | | | |
| UniRef90_C7Z1J3 | V S V L R L F K Y E I | W G V G A D A T A R E F F K K G W R D | D D D I V E H G S S | | | | | |
| UniRef90_G9NIX2 | R Y R T M K L F C S | V F G V G P K T A E S W F C | T E P S I R | | | | | |
| UniRef90_Q5J2Q9 | E K N I S I N I L L S K V | W G I G T N T A H I L Y K K G I K T | I E Q L K Q N Q H L | | | | | |
| UniRef90_G0QLY3 | R D S I V Q K F M K I | Y G V G G A S Q A D K W V D Q G H | E D D L V A N V P | | | | | |
| UniRef90_S3DHN1 | E T L T S I L G E I S K V | S G I G P K A A Q K F Y D E G I K S I | K D L W K I K D R | | | | | |
| UniRef90_Q1ZXF2 | E K F Q A M D V L T G I | F G V G G D K T A R E F Y A K G Y R D | D D D I I E Y W D S | | | | | |
| UniRef90_S3CES3 | R L Q T M L S F A R I | W G V G G P T T A I K L Y D L G F R T | L A D I E E A G S S | | | | | |
| UniRef90_UFOWG97 | K V L Q M F L N I | F G V G G P S T A R K W Y D L N L R T | E D D I K T K K I T | | | | | |
| UniRef90_H2ZGS8 | A L Q T F L K I | Y G V G G N K I A E Q W I A Q Q G W R T | L E D D L K E K A K | | | | | |
| UniRef90_E3QD37 | D W F K C M E L F T S V | Y Y G C P A T A D K W Y K K G F R T | I D E I K T S E T E | | | | | |
| UniRef90_G9N6W9 | R D Q V L Q T F M G I | Y G Y A G L K K A T E W V E Q G Y T | I D E I L M E K A E | | | | | |
| UniRef90_I1FU11 | E K L V A I N N I S R V | W G V G G A K T A R D F Y Y R Q W R D | D D D I V E Y G W S Q | | | | | |
| UniRef90_N1Q5N8 | L K I L Q L F N N I | W G V G G A K T A R D F Y Y R Q W R D | D D D I V E N G N S | | | | | |
| UniRef90_D3BV46 | D D A E T I T L F Q G I | Y G V G G L N T A R K W Y N R G C | D D D I V E Y G W K | | | | | |
| UniRef90_A0A017S4X2 | L R V L N Q F N L I | W G V G G V K T A R D F Y Y R Q W R D | D D D I I E Y G W K | | | | | |
| UniRef90_M2PG81 | E D L K H R L F Y D I | W G V G G A T T A R E F Y E K G W R E | D D D I R K G G V K | | | | | |
| UniRef90_S8ATI9 | E T L T A I N Q L S R V | T G I G P Q K A K S L V E E G I K T | E D D I K K I K N T | | | | | |
| UniRef90_N1PTU7 | K A L K L F L G I | Y G V G G P K K A R E W V L K G Y T | E E I R E K E K Q | | | | | |
| UniRef90_R7T2A8 | E E V T S L N T F V N | W G A G P K T A Q T W F A Q G F R S S L | K D D L E E K A Q | | | | | |
| UniRef90_F0ZL7 | E K V K T V S L F G S | W G I G P S N A L K Y Y E K G H R S L | E D D L R H D E S | | | | | |
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| UniRef90_H2UYD9 | V E V I N L F Y G I | Y G V G G R Q T A Y K W Y R Y G C | E D D L F K N G V Q | | | | | |
| UniRef90_R7YI32 | R I L E L L F L N V | Y D V G L S R A N K W I A Q Q G Y R T | D D D L R K A D | | | | | |
| UniRef90_E1Z586 | D K Q D A I I L L M K I | P G I G P A K A E Q L I S A G I E T | E D D L K Q H E D K | | | | | |
| UniRef90_G3MQR2 | E Q R K V L T T L E | W G T G T A S A S R W Y S L G V R T | D D N L R S R T D N K | | | | | |
| UniRef90_M1WF65 | S S A Y Q L F L Q I | H G V G T H Q A Q Q W L S H G H R T | E D D L K A N A K | | | | | |
| UniRef90_G1DG82 | D T S S S I N F L T R V | S G I G P S A A R K F V D E G I K T | E D D L R K N E D K | | | | | |
| UniRef90_E9EVQ2 | A L Q V F L R I | Y G V G G N K Q A Q Q W V S Q G Y R T | E D D I K S K A K K | | | | | |
| UniRef90_E0VPG0 | E K T K I L K M F C N | W G A G P H T A E M W Y S Q G Y R T | L K D L R R G K | | | | | |
| UniRef90_M4B6V3 | R I L R A I L V K I A R V | W G V G P V T A A K F Y R M G Y T S | E D D L R K P E D I | | | | | |
| UniRef90_A9TCX5 | K V R V L A L F G S | W G I G P A T A Q R L Y D K G L R T | E E L K T D N T | | | | | |
| UniRef90_S3C9E6 | K I L A S I L R I F F N I | M G V A E A T A R S F Y N R G W R D | D D D V I E F G W K | | | | | |
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| UniRef90_D0MXT6 | R I L R A I L V E L A R I | W G V G P A T A A K L Y Q G Q Y K S | V T E L R K P E A A | | | | | |
| UniRef90_I0YI01 | E K I L Q E I F M E | W G T G E A T A E R W Y R D G C | E D D V Q G R S D | | | | | |
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| UniRef90_E4ZMZ8 | V L R L F L G V | Y G A G L V Q A N K W I Q A G H R T | A D L E S K A K K | | | | | |
| UniRef90_C1GWJ1 | I L S K F L N I | Y G V G F T Q A S K W I Q K G Y Q S L | E D D L K S K A S | | | | | |
| UniRef90_W3XQL7 | E L F L K V Y D V G L | Q T A E K W I A Q Q G Y R T | D D D L L E R A N K | | | | | |
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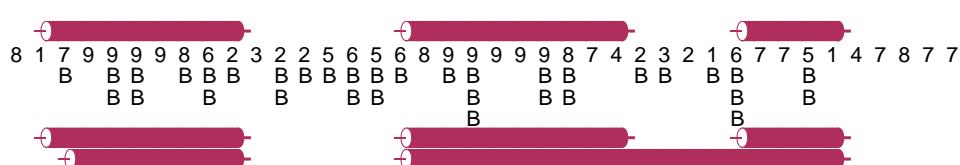
| | |
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| UniRef90_G3MQR2 | L T Q H Q K I G L R Y [] E D F E K |
| UniRef90_K2S2P8 | L T R V [] Q Q I G V K Y Y D D F |
| UniRef90_E9EUG6 | L T R V [] Q Q I G V K F Y D E F Q Q |
| UniRef90_W4XDV1 | L S K Q Q Q L G L K H Y H E F [] E |
| UniRef90_G6CNI9 | L N H H Q L I G L K Y F E N F E E |
| UniRef90_R7YS72 | L T R V [] Q Q I G V K F Y D E F |
| UniRef90_UPI0001CB995F | L T A D Q R N G I R F Y D D [] Q |
| UniRef90_UPI0003596D47 | L T H Q Q K V [] G V R [] Y Q D L |
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| UniRef90_Q5FVA7 | L T A E Q K A G L L H Y T D [] Q Q |
| UniRef90_C4JED9 | L S R V [] Q Q I G V K Y Y D D E F M E R |
| UniRef90_UPI0003837DC0 | L N R A Q Q A G V Q Y Y S E [] Q R |
| UniRef90_D5G9D0 | L T S S Q S Q T G I E H Y E D F Q Q |
| UniRef90_W4XTL7 | L N H H Q K I G L R H F E D F E R |
| UniRef90_Q0C9B1 | L S R V [] Q Q I G V K Y Y D E F R R |
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| UniRef90_T5AEG1 | L T P N Q K I G M E H Y D D L A R |
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| UniRef90_G2XF37 | L T A N Q R I G I D H Y D D L N |
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| UniRef90_C3YIS5 | L K K D Q T I G L E [] Y Q D [] N |
| UniRef90_B7QKW0 | L T Q H Q K I G L R H L E D F E K |
| UniRef90_A1CSU7 | L S R V [] Q Q I G L K Y Y D E F |
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| UniRef90_B6QS14 | L T T N Q N K I G V E R Y N D F Q Q |
| UniRef90_K5VLIO | L S D A Q E L G L K Y Y D D [] N |
| UniRef90_G7XHQ4 | L T R V [] Q Q I G L K Y Y D E F |
| UniRef90_W9X5S1 | L T R V [] Q Q I G V K Y Y D E F [] Q |
| UniRef90_E9BYV7 | L P P I M Q I G V K H Y D D L L K |
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| UniRef90_C7Z1J3 | L S R S Q Q V G V K F Y D E F |
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| UniRef90_G0QLY3 | L N K N Q N K I G L K Y Y D E L N K |
| UniRef90_S3DHN1 | L T E N Q N K I G I A H Y E D F N |
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| UniRef90_S3CES3 | L T T E Q M I G T K F Y Y D F Q Q |
| UniRef90_F0WG97 | L S Q Q Q R I G L R H Y D D F [] K |
| UniRef90_H2ZGS8 | L T K D Q T L G L R Y H E D L N K |
| UniRef90_E3QD37 | L T P N Q R I G L D H Y D D L N |
| UniRef90_G9N6W9 | L T P S Q R R V G M E H Y D D L N |
| UniRef90_I1FU11 | L R E L Q K L G L L Y Y E D [] S K |
| UniRef90_N1Q5N8 | L T E N Q N R I G I E H Y E D F K |
| UniRef90_D3BV46 | L N H H Q Q V G L K Y F E D [] E Q |
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| UniRef90_F0ZLU7 | L T H H Q Q I G L K Y F S E F E Q |
| UniRef90_U4LGA6 | L T E A Q K V G V E R H A D F |
| UniRef90_T1ERD2 | L T R C Q K I G L K Y Y D E L |
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| UniRef90_H2UYD9 | L N H H Q K I G L M Y F E E F E K |
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| UniRef90_A0A024JB55 | L T P Q Q R I G I E H Y K D F N |
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| UniRef90_G2Q6U7 | L T P N Q R I G V D H Y D D L N |
| UniRef90_E2BD47 | L N R Q Q R I E L K Y F D D F E K |
| UniRef90_E1Z586 | L T E Q Q R V G L K Y Y D D L K Q |
| UniRef90_M1WF65 | L T P A Q R I G I D H F E D L N R |
| UniRef90_G1DG82 | L N H H Q R I G L K |
| UniRef90_E9EVQ2 | L N P S Q R V G V E H Y D D L N |
| UniRef90_E0VPG0 | L T R R Q R E I G L K L Y R D L S E |
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| UniRef90_M5BSJ0 | L S P A Q E L G L Q Y Y T D L Q R |
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| | 1 | 10 | 20 | 30 | 40 |
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| UniRef90_U9UPA5 | I I K K F G N | V Y G V G P S I A M K W Y V K G Y R T F E D V L K D E K | | | |
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| UniRef90_R0K090 | V V L H L F T G | V Y G A G L V Q A N K W M Q A G Y R T L E D V K A K A K | | | |
| UniRef90_G0SXG6 | E R E K T V K L F C G | V Y G V G Q A K A A D L Y D K G A R S V E M I R R D P A R | | | |
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| UniRef90_I1G678 | K Q S V I D L F K G | H G V G Q I V A E Q F Y A Q G Y R T L D D L K E A N I | | | |
| UniRef90_X8IWG8 | R L F Q G I | V Y G V G P Q T A H S W Y V R G L R T L A D V R N D G I | | | |
| UniRef90_M2T5F8 | E A M K V L R S F Y D I | W G V G A K T A R H F Y Y D N H W T L D D D V K G S Y I N | | | |
| UniRef90_UP100005884D3 | D W Y Q N M S L F T G I | Y G C G I S T S A K W C Q M G L R S L E D D L K A K A K | | | |
| UniRef90_K3VGJ0 | A L Q L F L G I | Y G V G G N S Q A Q Q W L A Q G F R T L F D D L R N S E I K | | | |
| UniRef90_B3S8X2 | E F Y K A T K L F N N I | F G V G P T T A R Y W Y D K G L R T L D D D V R Q R T D | | | |
| UniRef90_D8UB26 | T T M M K F M Q V | W G C G E S T A R S W W A S G A R S L D D D V Q A R G I T | | | |
| UniRef90_J4IB59 | D D V G A I S I L Q G I | Y G V G R G R N I A H K W Y A N G C R T L E D V S Q K P D | | | |
| UniRef90_K0KG88 | Q V S K L F M G I | H G V G P V S A K K W Y N D G L R T L A D L R A P G D T | | | |
| UniRef90_A4S364 | V K S C V E L S G I | H G V G P V T A R K L F D K G Y K S L S D D V A R S D | | | |
| UniRef90_A8JD91 | T M K L F T Q V | W G C A E S T A R K W Y V G G A R S L E D D L K G G A H | | | |
| UniRef90_C5FJW6 | L S Q F L K I | Y G V G Y Q Q A S K W I A Q G G Y K S L D E D V L Q K A S | | | |
| UniRef90_N1Q3N0 | Q V L Q T F M G V I | Y G A G G L V Q A S R W V S A G Y T T L D D D V K R H A T | | | |
| UniRef90_S8BMP2 | Q I L K L F H G I | Y G V G L V Q A R K F V A A G Y K S L D D D V Q Q L L E S A E | | | |
| UniRef90_UP100045FC2E | E D V E A T K L F Q G I | Y G V G R N T A F A W Y A N G C R T L E D D I K K G G I K | | | |
| UniRef90_18TKL2 | I L Q E F L G V | Y G A G I S Q A S R W L A Q G Y R S L E D D I R T K A S | | | |
| UniRef90_F2SK46 | L R V I Q S F H H N I | W G V G A K S A R D F Y Q K Q W R D L D D I V E Q G D A | | | |
| UniRef90_F7J5W9 | R V E T L K A F C D | H G V G P V V A A D L Y A K G F R S I E E L R T Y S D T | | | |
| UniRef90_M7T317 | N I I I K T F L K I | Y G V G M N Q A S K W A A Q G G Y R T L E D D I Q Q K A Q | | | |
| UniRef90_F0XM85 | V L R L F C D I | W G V A E A T A R S F H N R G W R D L D D D V V E F G W S E | | | |
| UniRef90_W2SC18 | S Y Q T L N L F L G I | Y H V G H P Q A A A W V A A G Y R T L Q Q L L E S A E | | | |
| UniRef90_U1GC78 | I L L F L M G I | Y Q V G G L P T A S R W I A Q G H Q S L E D D L K S K A D | | | |
| UniRef90_R8BC80 | N E V L Q H F L K I | Y D V G L I S T A N K W I A Q G H K T L D D D L L Q K A N | | | |
| UniRef90_G7XRF9 | K I L K L F T G I | Y G V G G I T Q A S W L A E G Y K T L G D D L R L K I K | | | |
| UniRef90_U3IFZ0 | P | P A A A R K F V E E G I K T L E D D L R K N E H K | | | |
| UniRef90_N1Q54 | Q I L Q T F L G V | Y G A G I K Q A T E W V N A N G Y R T L G E L L E K A P S | | | |
| UniRef90_R4XC16 | D D Y N V I Q M F L G I | Y G V G P I T A H E F F V Q K G F K T L E A L S E S N I | | | |
| UniRef90_H2L5F7 | E R F K A L K V L T G I | F G V G A K T A D R W I R E G I H D L H Q L R A S G Q V | | | |
| UniRef90_G4TG14 | E R T V I V G I F R G I | Y G V G G T T V A Y D W Y S R G L R T L E D D V R R F G I K | | | |
| UniRef90_UP100044124D6 | V V V A L F R G I | Y S V G S K I L A W E W Y A K G L R T L D D D V R E R K I R | | | |
| UniRef90_F7V5V2 | V L A T F L K I | Y D V G T G R A N K W I S K G F R T L D D D L K Q K A N | | | |
| UniRef90_B0D7W4 | D E V K S T R L F Q G I | Y G V G R S T A F K W Y A A G C R T L D D D I S K F G V S S | | | |
| UniRef90_C1HB28 | L S V L N K F N N I | L G V G G A K T A R E F Y Y Q H W R T T I D D D I I E Q G N S P | | | |
| UniRef90_R1GJ39 | A L L Q T F L K I | Y G V G G L S K A S R W V M A G L H T L D D D L T T H N V P | | | |
| UniRef90_Q010U8 | V K A C L E L C G I | H G V G P V T A R S L F A K G Y A T V A D D L R A R E N L | | | |
| UniRef90_UP10003F492FD | E K A K T I S M F K D I | Y G V G G K S F A N E L Y R R G A R T I E D D L R E K E Y G | | | |
| UniRef90_L8G3Q9 | I L Q L F F L G I | Y G V G G I A Q A T T W L Q Q G Y T T L E D D L L A H A S S | | | |
| UniRef90_F2UQK2 | R A Q H E F F S Q I | Y G V G G T A T A K Q F V A K G F R T I Q D D L L D N Q H E | | | |
| UniRef90_A0A017S2X8 | I L Q K F L G V | Y G A G V S Q A S R W V A E G Y K T T L N D D L K T K A T | | | |
| UniRef90_G3JNT4 | Q V L K L F L G V | H G V G G P A L A A R W A A R G M R T L E D D V R R Q V K | | | |
| UniRef90_S7ZTX6 | K I L Q Q F L G I | Y G C G I A Q A S K W V A Q G G Y R S L L A E L R E R R A P | | | |
| UniRef90_A0DCU7 | D K N I A I T Q L T R V | W G G P T T A A T F Y F K G I K T L N D D L R Q N Q H M | | | |
| UniRef90_F2U5R6 | T S K A I Q L I A S | Y G V G G F P A A A R K F V D Q G V T T L E E L A K Q S G | | | |
| UniRef90_E3S5Q0 | E A M K V L R C F Y N I | W G V G G A K T A R H F Y Y N N H W T L L D D L V E Y G W N S | | | |
| UniRef90_J3P9G4 | V L Q T F L G V | Y G A G G L A Q A R R W I A Q G F R T L L D D L A A R A S R | | | |
| UniRef90_W9C8T5 | K I L K L F F M G I | Y G V S F K L A S K W I S Q G H R S F S D L T T H D R | | | |
| UniRef90_UP10003786C93 | P | Y G I G P K K A K Q L V A A G V G L T L K E L R E R Q D E | | | |
| UniRef90_D2V1V6 | N Q I I Q E F T K I | W G V G Q K T A F Q L Y S Y G Y R N I L N E I D K S K | | | |
| UniRef90_G7E2T5 | M L N K I | Y G V G G F R I A E N W Y K A G V R T L D D D L R R Y G I K | | | |
| UniRef90_C8VSR0 | Q A L A Q T Y L G V | Y G V G G I T V A S R W I A Q G G Y R S L L E D D L R T K A S S | | | |
| UniRef90_Q2HF01 | A V R Q L F C N | Y G G A G S A R A H R W I A Q G H R S F S D L T T H D R | | | |
| UniRef90_R7QJC4 | E G T S I T K E L T R V | S G I G P A A A K K L I E D G V S S L E D D L K R V R G R | | | |
| UniRef90_A7SJ46 | A L R L F F L G V | H G V G G P A L A A Q W A A W G M R T L E D D V K D S G I R | | | |
| UniRef90_J5K9X6 | D T S S I N F L T R V | T G I G P A A A R K F V E E G I K T L E G K C C P Y H S | | | |
| UniRef90_UP10003943219 | I L R G F Y E I | W G V G G A D T A R K L Y Y H G L K D L D D I V E H W N S | | | |
| UniRef90_W2RRL4 | E R Y Q L M T Q F K K I | Y G V G G D K T A Y R F V K A G Y K S I V Q D I V H D Q A S S | | | |
| UniRef90_E1Z585 | K L Q E L R L F M S V | M G V G G E Q T A K H W V A Q N C Y T L E D D V R R R Q Q G | | | |
| UniRef90_W1QJC1 | Q A L A L Q T Y L G V | Y G V G G D K T A Y R F V K A G Y K S I V Q D I V H D Q A S S | | | |
| UniRef90_D8SG82 | UniRef90_A0A017S2X8 | Y G V G G D K T A Y R F V K A G Y K S I V Q D I V H D Q A S S | | | |
| UniRef90_U1GC39 | E N L Q C L K T L Y D I | W G V G G A D T A R K L Y Y H G L K D L D D V V Q F G N T S | | | |
| UniRef90_A9V5M0 | A I Q L I A S V | V G F G P A A A Q N Y V Q K G I T T L E A L K Q E D G | | | |
| UniRef90_X6MW96 | A S N L F F M G I | W G V G G H Q T V T Q W Y R L G Y R T L D D D V R E K A A | | | |
| UniRef90_C1MZ7J | D R V V A V R E L T R V | W G V G G E A K A R H L F N V G I K T L V N Q L R A R | | | |
| UniRef90_J8TYP5 | D Q A R T I A K F Q N V | Y G V G G S R C A H E L Y S R G A R S I E D D L A T K D F G | | | |
| UniRef90_K9G918 | I L K E F F L G V | Y G A G L P Q A S K W V A Q G G Y R S L L K D L L E M A P | | | |
| UniRef90_F8P995 | E D I E A T T I F Q G I | Y G V G G R Q I A L M W Y A N G C R T L D D D I R K G G I K | | | |
| UniRef90_E9HD36 | K F L S L Q I F C K Y | Y G V G G P S I A E K W Y A Q G L R T L E D V V K K D Q Q D | | | |
| UniRef90_E6RAP2 | E H A R C I A V F K D I | Y G V G R Q Y A N E L Y R M G A R T I T D L R T G R F P | | | |
| UniRef90_K1PM26 | W Y K K M K I F T K V | F G A G T K T A Q E W I E K G W T T L D E V R Q N Y T K | | | |
| UniRef90_N4W3R9 | K L S V L Q A F Y D I | W G V G G D A T A R D F Y N K D L D D D V V D F G Q S | | | |
| UniRef90_S7Q7M2 | E D V K V T A L F R G I | Y G V G G S Q T A F Q W Y A A G C K T L D D D V R A R K I K | | | |
| UniRef90_C9ZPC6 | K L K A I Q E L T Q I | H G F G P R A A A T L F R E G I F T L E D D L K A D Q I Q | | | |
| UniRef90_G2YW92 | R M Q V L K T F Y N I | W G V G A D T A R E F H D Q R R W K D L L D D I V E G W N D | | | |
| UniRef90_B0D8M6 | R F Q S L S A F S S V | Y G V G G P A T A R K L Y D D G L R T L L D D M K R Y Y D L | | | |
| UniRef90_F9X556 | L K I L N G F Y D I | W G V G G V T T A R D L Y Y K G W T D R D D L I E F G W S | | | |
| UniRef90_F4Q5G1 | T N Q I S Q A L L K I | H G A G P N T V K N W M A A G V V S I Q Q L R Q H P L F | | | |
| UniRef90_K5UUCC0 | E R F K A I S L F S S I | Y G V G P S T A R R L Y A L G L R T V D D L E V Y E P E | | | |
| UniRef90_W6MJ18 | UniRef90_V5ET23 | E Y L M V V K T F L Q I Y G V G M S Q A Q E W Y N R G Y R E T A E I E K N K D K | | | |
| UniRef90_B2AY49 | D R A R V M F Q R V Y | G A T K A E R F V Q A G F L T L E Q L R D A C | | | |
| UniRef90_D7G2F7 | T D K V L D L F L K I | H D V G L S R A N K W I S Q G H R T L E D D L L T K A D | | | |
| UniRef90_D3AVG3 | L K L F Q P E | G W V G G A V K A R Q L Y D K G M R S I E D D L R T S G D L | | | |
| UniRef90_X6NMD3 | H T I A S E Q L S K I | H G T G P E T V K R W L A K G I N S I Q K L Q N D P S F | | | |
| UniRef90_UP1000359C27A | W Y Q K M K L F T S V | Y G V G P S T A K K W I D E L E S I K D V K R N S V R | | | |
| UniRef90_S2KCR4 | E E F R T I S L F N K V | Y G V G G V T T A R L W W E M G Y K T Q E V L D N A K | | | |
| UniRef90_C9SX35 | T A R E F Y K K G W R D L | T A R E F Y K K G W R D L D D D V E Y G D R | | | |

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| UniRef90_V5GGZ0 | L T R N Q R V G V E R Y D D F C Q |
| UniRef90_U9UPA5 | L T R N Q I S G I L Y Y D D L Q K E |
| UniRef90_J9K433 | L N H H Q I L G L K Y L N D F E E |
| UniRef90_R0K090 | L S E S Q R L G I E H Y A D F N |
| UniRef90_G0SXG6 | F A E L L H V G L K Y Y E D L L E |
| UniRef90_UP100046BF85D | L N H H Q R I G L K Y F E D F E K |
| UniRef90_I1G678 | L N R Q Q Q I G F K Y Y H E F A E |
| UniRef90_X8IWG8 | L S P A Q E L G L Q Y Y T D L Q R |
| UniRef90_M2T5F8 | L D R V Q Q I G I K Y Y E E F Q E |
| UniRef90_UP100005884D3 | L T R S Q L K G I E Y Y N D L N |
| UniRef90_K3VGJ0 | L S P N Q S L G I E H Y A D L N |
| UniRef90_B3S8X2 | L T D R Q Q S G L D N Y D E L |
| UniRef90_D8UB26 | L T V R Q R L G L R H F D D F Q R |
| UniRef90_J4IB59 | L T S A Q E T G L K Y Y D D L N |
| UniRef90_K0KG88 | L T S N Q T L G L K Y Y D E W L E |
| UniRef90_A4S364 | L T P T Q W I G L K Y Y E E F K Q |
| UniRef90_A8JD91 | L T A Q Q R L G L T H F H D F S R |
| UniRef90_C5FJW6 | L T T N Q K I G I E R Y D D F Q K |
| UniRef90_N1Q3N0 | L T Q N Q R I G I E H Y A D F N |
| UniRef90_S8BMP2 | L T E P Q K V G V E R Y H D F K Q |
| UniRef90_UP1000455FC2E | V S A V Q E I G I K F Y D D L N |
| UniRef90_18TKL2 | L T P Q Q E I G V D H Y H D F S Q |
| UniRef90_F2SK46 | L S R V Q Q I G V K Y Y E E F |
| UniRef90_F7J5W9 | L S R P Q R I G L K H V E D F R Q |
| UniRef90_M7T317 | L T P S Q R V G L E H F D D L N E |
| UniRef90_F0XM85 | L G R V Q Q I G V K Y Y D E L Q |
| UniRef90_W2SC18 | L T S N Q K T G I E H Y D D F R Q |
| UniRef90_U1GC78 | L T P N Q R I G L D H Y D D F |
| UniRef90_R8BC80 | L T T N Q R L G I E H Y D D L N |
| UniRef90_G7XRF9 | L T H N Q R V G I D H Y R D F A Q |
| UniRef90_U3IFZ0 | L T H H Q R I G L K Y F E D F E K |
| UniRef90_N1QJ54 | L T P N Q M I G I A H Y E D F |
| UniRef90_R4XC16 | L T K H Q K L G I F M Y E D F N |
| UniRef90_H2L5F7 | L N R A Q R A G |
| UniRef90_G4TG14 | L T A A Q D I G V K Y Y E D L |
| UniRef90_UP100044124D6 | L N S A Q E I G L R Y Y D D L N E |
| UniRef90_F7V5V2 | L T P N Q R I G I E H Y E D L N |
| UniRef90_B0D7W4 | L S R A Q E I G I R F Y D |
| UniRef90_C1HB28 | L S R V Q Q I G I K Y F D E F |
| UniRef90_R1GJ39 | L S P T Q K V G L A H Y S D F N |
| UniRef90_Q010U8 | L T P A Q Q K I G L K Y Y E E F K E |
| UniRef90_UP10003F492FD | L S K G Q K I G V E L Y S D L |
| UniRef90_L8G3Q9 | L T D N Q R L G I D H Y Q D F Q |
| UniRef90_F2UQK2 | L T E R Q R I G V R L H Q E L Q E |
| UniRef90_A0A017S2X8 | L T K S Q R I G V D H Y D D F A Q |
| UniRef90_G3JNT4 | L T A G Q Q M G M E R Y A D L N |
| UniRef90_S7ZTX6 | L T T N Q L I G I E R Y D D F A Q |
| UniRef90_A0DCU7 | L N K N Q Q V C L Q L V I E E L E Q |
| UniRef90_F2U5R6 | L T S T Q R I G L K H H H D F E E |
| UniRef90_E35Q0 | L E R V Q Q I G V K Y Y E E L |
| UniRef90_J3P9G4 | L T P A Q R M G V E R H A D L N |
| UniRef90_W9C8T5 | L T P S Q T L G I E H Y D D L Q |
| UniRef90_UP10003786C93 | L N K N Q K T G L K Y F E D L E K |
| UniRef90_D2V1V6 | L N S Q Q L I G L K Y F Y E F Q Q |
| UniRef90_G7E2T5 | L N E G Q Q Q L G L Q Y Y D E L N Q |
| UniRef90_C8VSR0 | L T Q A Q R I G L D H Y F D F S |
| UniRef90_Q2HF10 | L T P H Q R I G V E R Y A D L N |
| UniRef90_R7JQC4 | L D R N Q K I G L R H Y E D L |
| UniRef90_A7SJ46 | L N H H Q Q I G L K Y V D E F E |
| UniRef90_J5K9X6 | L T P G Q R L G I E R Y E D L |
| UniRef90_UP10003943219 | F R Y L Y F Y I I C R Y F E D F E K |
| UniRef90_W2RRL4 | L N R V Q Q I G V K F Y A E F A K |
| UniRef90_E1Z585 | L T Q G Q K V G L R H F G D M Q |
| UniRef90_W1QJC1 | L T D A Q K L G I L Y F D E W N E |
| UniRef90_D8SG82 | L T S M Q R M G V K Y Y D D L N |
| UniRef90_U1GC39 | L N R A Q Q I G V K F Y D E F K |
| UniRef90_A9V5M0 | L S N A Q K I G L K H F A D F N E |
| UniRef90_X6MW96 | L N E R Q K I G L K Y Y D D L |
| UniRef90_C1MZJ7 | L Q M I G L K Y F D E F D Q |
| UniRef90_J8TYP5 | L T V G Q K I G V K L Y D D L |
| UniRef90_K9G918 | L T K Q Q R I G V E R H S D F A Q |
| UniRef90_F8P995 | V S S V Q D I G I Q F Y D D L N |
| UniRef90_E9HD36 | I A N N D M I G V A F Y D D L N R |
| UniRef90_E6RAP2 | L S P G Q Q I G L A L Y E D L |
| UniRef90_K1PM26 | G D W R L R F G L A F H E E L M E |
| UniRef90_N4W3R9 | L S S R A Q Q I G V K F Y D E F K |
| UniRef90_S7Q7M2 | V S S V Q E L G L K Y Y D |
| UniRef90_C9ZPC6 | L L T E Q Q R R V G V R Y F H D L N E |
| UniRef90_G2YW92 | L K P V Q K I G V K Y Y E E L N |
| UniRef90_B0D8M6 | I R K D Q K V G L A L Y E D L E |
| UniRef90_F9X556 | L S R V Q Q I G V K F Y D E F |
| UniRef90_F4Q5G1 | L T S Q Q H I G L K Y Y E D F |
| UniRef90_K5UUUC0 | E E E S Q L V E L E H E R F |
| UniRef90_W6MJ18 | L S G V Q R L G L K Y L Y D W S Q |
| UniRef90_V5ET23 | L E R A Q R I G L E H D D V I E |
| UniRef90_B2AY49 | L S A N Q R V S I E H Y S D L |
| UniRef90_D7G2F7 | L T E Q M R V C L N R H E D L K Q |
| UniRef90_D3AVG3 | L T N Q Q Q I G L K Y Y N D F Q |
| UniRef90_X6NM3 | L N N A Q K I G L K Y F D D L Q |
| UniRef90_UP1000359C27A | S S D W R V I G L A F F E D L N |
| UniRef90_S2KCR4 | L T A T I K L G I E L L P D F D Q |
| UniRef90_C9SX35 | L S R V Q Q I G V K Y Y D E F L Q |

| | 1 | 10 | 20 | 30 | 40 |
|------------------------|---|---|---------------------|----|----|
| UniRef90_C1E884 | V E A V V L E L S G | V W G I G T E T A R K L H R E G V S T V | A Q L I R R Q P G K | | |
| UniRef90_A4H5D4 | K L K A I Q E L T Q V | H G F G P R A A A A L F R E G I F T V | D E L L Q K A D S | | |
| UniRef90_Q9YVX5 | Y K Y I T E L M N V | L Y I G P K T A K N L I S K G I K T I | K D L K K N K D K | | |
| UniRef90_J4IAH9 | R F Q A L S L F A T I | Y G I G P T T A R K L Y A L G L R S L | D N L | | |
| UniRef90_C9ZPC9 | R A V R E L T Q V | H G V G P R T A V I F F K K G L K T V | E E L R K R V E K | | |
| UniRef90_E9CAV2 | R T L Q L F T R I L | G V G S K A L M W Y E S G Y R T L | Q D L S S R P P R | | |
| UniRef90_UPI00044171C3 | E R F Q S L S A F S S | V Y G I G P N T A R G L Y A R G L R T L | L E H L E R Y Y E V | | |
| UniRef90_L8X8J4 | E R F Q V L S L L T Q V | H G V G A A K A R E H Y A A G R R S L | E D L R K Y R A K | | |
| UniRef90_S7Q6S6 | E R Y K S L T A F T S I | Y G I G P N T A R K L Y A R G L R T I | R D L | | |
| UniRef90_F8PSZ2 | R F Q A L S A F T T I | H G I G P H T A R K L Y N L G L R T L | E D L E R Y Y E | | |
| UniRef90_UPI0004409A6B | E R E R T L L E F R R V | P G Q V K A K R L Y D A G C R S L | D D L R N P E H S | | |
| UniRef90_W6L4X1 | R A I R Q L T Q V | H G F G P R T A M S F Y D Y G I S N V | E E L K A Y A E R | | |
| UniRef90_R7SJ76 | E R F Q T L S L F A S I | Y G I G P S T A R R L Y H L N L R T L | E D D L | | |
| UniRef90_Q5FBD6 | D R Y Q T L S T F A T I | Y G I G P G K A Q H F Y D M G M R T I | S D L E R Y Y D | | |
| UniRef90_V2XUA2 | R Y Q S L T A F T S I | H G I G P A T A R K L Y S M N L R T L | E D D L D A Y Y D | | |
| UniRef90_UPI0004622ABD | E R F R T L S L F T S I | Y G I G P H A A R R L F A L G L R S L | D D L | | |
| UniRef90_UPI0003F09D33 | D R F K S L S L F T S I | Y G I G P N T A R R L Y S L G L R T L | E E L K N H T D K | | |
| UniRef90_S8DTS4 | K T C V L F M R V | V Y N I G R A R A K Q F Y A A G A R T L | E D L L K G T I K | | |
| UniRef90_U5H916 | S L F Q T V | P G V G Y A T A M K L V N A G C T S I | K D M R K P E D M | | |
| UniRef90_UPI0004449A6E | R N Q V C Q Q L M K V | H G V G S R T A K D W Y N R G I L R S V | E D A R E K R P N | | |
| UniRef90_D8LNK4 | L Q T M L Q F T Q L | Y G V G P R T A E R A Y Q A G C T R L | E D L L R R C Q T R | | |
| UniRef90_M5E6W3 | M K L F T S I F G I | G P S T A K K W I D K G W S T L | D D I V R N D W R | | |
| UniRef90_V3ZNY9 | I F L Q I H G I | G D A A A E K L I D L G I T T I | E E L K A R K N E | | |
| UniRef90_G8DDW8 | L K I L L Q E L K N V | W G V G D T L A R R L I A Y K K G I E T T | K A R Q V H | | |
| UniRef90_L1JFA5 | K A I R A L S Q V | H G V G P R T A L T F Y K K G I E T T | V E E L K A R Q V H | | |
| UniRef90_S9V3Q7 | R A I R Q L T Q V | H G F G P R T A V S F Y K E G I N T T | V E E L K A R Q V H | | |
| UniRef90_W6KSD6 | Q L L K L F H | A R K F V A A G Y K T L | D D D V K S H A T | | |
| UniRef90_W7IGN4 | K L K C L K I L Q E | V G W V G A V K A Q Q L Y D K G V R S I | E D D L R T K G H L | | |
| UniRef90_D7G2F8 | R A A K E L Q Q I | T G I G P S K A R T T L V A A G C T S I | A Q L R A S K N K | | |
| UniRef90_UPI0004417926 | E E L L E Y F M N C | V Y G I G P K R A R A L V K K G V T S L | Q E L R K R Q D E | | |
| UniRef90_X0S6L6 | R Y Q A L K S M T V | H G V G H H T A K Q L Y E Q G G Y R S A E | D M R R S G K | | |
| UniRef90_UPI0004413952 | R F Q S L E A F T D L | Y G V G A T T A R K L Y A A G C K T F | D V E R Y Y | | |
| UniRef90_X8JQU6 | E M L E A C K V F Q R I | S G I G P K K A R V L A E Q G F R S L | D D D L I N D K E R | | |
| UniRef90_C5E3H7 | E R Y K A L R L F S S | V F T I G T H T A V Q L W D A G C R T L | D D D L V L Q H Y D | | |
| UniRef90_M7WSS0 | R F K T L T V F N S I | Y G I G P H T A R Q L Y A L G L S S L | E Q L E Q Y Y D | | |
| UniRef90_D8Q9V7 | MS K R K G I A E N V I N S D F C D | F L T D L L R K N P G K | | | |
| UniRef90_G4TD80 | D T S S S I N F L T R V T G L | G P S A A R K F V D E G I K T L E G F | | | |
| UniRef90_J5RIV1 | W F I T V K L F N S V | F G V G P V V A N R W Y Q I G L R T I | A D L R K I S H T | | |
| UniRef90_UPI000444A099 | V A M K N N M M N I | W G V G R V R A K E L V D A G F K R I | D D I K Q L Q H | | |
| UniRef90_C3XQC7 | Q E L K V L Q T V | P G V G E R T A R Q L F D A G C T T | N E V R Q A V E Q | | |
| UniRef90_UPI00033382E0 | E L E K V P Y I | G P T A A E Q L V N K G C E S I | V A D M S K P S S I | | |
| UniRef90_F4PP22 | V V A L R E L Q L V | H G V G A V R A G A L I Q G Q G V R A F | D D L K K Y F I E | | |
| UniRef90_T1JNH2 | R Y R S L S L F N T V | Y G I G P S A A R H L Y E G L R S V | G D L E R Y Y D | | |
| UniRef90_B7G9N3 | R E L L Q V F G V G | L G G V E K F L S K G I V S | Q D L R S G K V M | | |
| UniRef90_F8Q066 | R Y Q A L N E F A S V | Y T I G K V T A K E L Y D K N C R T L | E D V R K H Y E F | | |
| UniRef90_E2LZH1 | D T S S S I N F L T R V S G I | G P S A A R K F V D E G I K T L E G A E S S G D L | E D I R S Q A S | | |
| UniRef90_M7BU99 | S V I A V K D M S R | V H G I G T K T A Y K F Y E R N L K S V | E D L R A P P N I | | |
| UniRef90_R1FMP6 | R F H A L E T L S T V | Y G I G A T T A R N L Y A L G L R T V | E D L H K Y Y E | | |
| UniRef90_K5Y081 | F L Q I F N V G P | A R A Q A I A D A G C R T F | D D D V A E P K V K | | |
| UniRef90_A0A023B1J1 | K K R A I L D L Q R I | P G I G A V K A K A L V E G G C T G L | A S L I A S E S S L | | |
| UniRef90_UPI0003F49150 | F A R L V G V G | P S T A Q K W F N A G F R N I C D V | E D V W Q P P L A | | |
| UniRef90_UPI000384128C | S V A R R Q F K K L | P G V G S A T A K R W Y D L G L R T L | D D D V A E G V A P | | |
| UniRef90_Q9HBN3 | K A M Q E L T T I | H G V G P V L A G K L V A G C M S L E | H L R Q P Y N Q | | |
| UniRef90_K8F9R6 | R A I R E L T Q V | H G V G P S A A R K F V D E G I K T L E | E H L R Q P Y N Q | | |
| UniRef90_W4JMW1 | F L Q I F N V G P | A R A Q A I A D A G C R T F | D D D V A E P K V K | | |
| UniRef90_M7X5X8 | K K R A I L D L Q R I | P G I G A V K A K A L V E G G C T G L | A S L I A S E S S L | | |
| UniRef90_A8N3F7 | F A R L V G V G | P S T A Q K W F N A G F R N I C D V | E D V W Q P P L A | | |
| UniRef90_E12G64 | S V A R R Q F K K L | P G V G S A T A K R W Y D L G L R T L | D D D V A E G V A P | | |
| UniRef90_R7TPZ3 | K K R A I L D L Q R I | P G I G A V K A K A L V E G G C T G L | A S L I A S E S S L | | |
| UniRef90_I0YX50 | F L Q I F N V G P | A R A Q A I A D A G C R T F | D D D V A E P K V K | | |
| UniRef90_M2RMT3 | S V A R R Q F K K L | P G V G S A T A K R W Y D L G L R T L | D D D V A E G V A P | | |
| UniRef90_UPI0003ACCE2A | D T S S S I N F L T R V S G I | G P S A A R K F V D E G I K T L E | H L R Q P Y N Q | | |
| UniRef90_C4R5L5 | V M K E L L Q K I | H G V G A V I S E K W F N H G V R S I P | D I K V P E S E | | |
| UniRef90_W6JJ15 | E K F K A I K Q L T E L L Y I | G P K K A S E L Y R Q G L K T I | S D L L Q D K N I | | |
| UniRef90_M1VKY5 | Q A L T L F H C | V H A K R I A M Q W Y H A G C T K | E E V A S R C R L | | |
| UniRef90_U2DW39 | R A I R E L T Q V | H G V G P R T A I D Y F K K H I S T V | E V I E K D P D A | | |
| UniRef90_A4H5D5 | T R A L S E L L R I | P G I G R I K A K A L V D A G C M G I | A D L Q K Y T H L | | |
| UniRef90_B0CVL5 | E R F Q V L S D F T T | V Y G I G P V K A R A F L H Q N I K T F | G D L E R Y Y R R | | |
| UniRef90_G4TB0 | L T Q I R G L I R G L I R V A R A K L Y D R G L K T I | E D L R K N P G K | | | |
| UniRef90_V6AQZ9 | K Y T T M L Q F R S I | Y G C G Q R I A Q A L Y E R G Y R T I | E D L R K N P G K | | |
| UniRef90_E9C0L4 | K Y T T M L Q F R S I | Y G C G Q R I A Q A L Y E R G Y R T I | E D L R K N P G K | | |



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

