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|------------------------|---|---|---|----|----|
| QUERY | 1 | 10 | 20 | 30 | 40 |
| UniRef90_Q30WH0 | A P K A P A D G L K M D K T K Q P V V F N H S T H K A V K C G D C H H P V N G K | | | | |
| UniRef90_B8IY72 | A P K E P L E I E A S G S K R M N V M F P H T A H K G I S C F H C H H P V D G K | | | | |
| UniRef90_G1UXA9 | P P V P D K P L E F E A S G S K R M N V M F P H T A H K G V E C V T C H H K E V G S D | | | | |
| UniRef90_G1UX31 | I K K P L E L N G G T S K R M F V T F N H S S H K G V K C R T C H H E G L P K | | | | |
| UniRef90_T2G718 | | P L T L R Y L K K E V V F P H A A H G A L E C R T C H H P W D G E | | | |
| UniRef90_C4XSC3 | K R P S G V L K T S F A P V K F S H G Q H A S V A C V T C H H M W D G K | | | | |
| UniRef90_G7Q405 | | | P V K F S H G Q H A N I A C T T C H H M W D G K | | |
| UniRef90_UPI0003B6545D | | D K P L E F K G S Q K T V M F P H A V H A K V E C V T C H H Q V D G K | | | |
| UniRef90_B6WXU8 | P V P A D G L V L K V R F A Q V K F S H F D H Q D V N C V K C H H T W D G K | | | | |
| UniRef90_L0RDM8 | | K V R F A Q V K F S H F D H Q D V N C S K C H H T W D G K | | | |
| UniRef90_C6BXX3 | | | P V K F S H F D H Q D V N C S K C H H T W D G K | | |
| UniRef90_C8X5K5 | A M E A P G D P E G V K A R F S P V E F S H D A H S A L D C E S C H H M L A E N | | | | |
| UniRef90_C8X085 | | | G P S H F S H D S H Y A H D C M T C H H M W D G F | | |
| UniRef90_UPI00035C6857 | | P D G W E A R R P A V P F S H T L H D R L D C A T C H H E V D G S | | | |
| UniRef90_UPI00035FDC4F | D A P S C P V K M E A T K K P V V F N H A S H A D S K C D A C H H P I D G K | | | | |
| UniRef90_E6VZT9 | A P P S M Q A T K A P V D F S H D R H A A I D C A T C H H T W D G K | | | | |
| UniRef90_P38554 | P K Q F E G Y T P K K G D V T F N H A S H M D I A C Q Q C H H K V P D T | | | | |
| UniRef90_E5Y4X2 | I E K P M T M N N T G N E K Q V I F T H S A H A K T D C A F C H H K A V E G | | | | |
| UniRef90_S7USW4 | | P E G A T K T Q Q S I K F S H T A H G A L E C T A C H H T W D G K | | | |
| UniRef90_C6BUH4 | A P D D D L V I N F I K P D V V F N H S S H E N Y E C I D C H H N I K K S | | | | |
| UniRef90_F0JDK5 | | P K T M E A V K S P V D F S H G A H R A A D C T T C H H T W D G K | | | |
| UniRef90_L0R8D6 | A V D A P G D P A G A K M T K S P V D F S H K G H A A V D C T K C H H N W D G K | | | | |
| UniRef90_P00133 | A D G A K I D F I A G G E K N L T V V F N H S T H K D V K C D D C H H D P G D | | | | |
| UniRef90_A8FWU2 | E V P Q A V L P M H E T S K T V E F D H L R H T Q V E C T Q C H H K N E E R | | | | |
| UniRef90_E5Y2S7 | | A T G G K Q K M D V V F N H S S H R R V R C Q T C H H P S D I D | | | |
| UniRef90_UPI00036DD270 | A N E A P A D I E P F K M R K A P V Q F P H A A H E K L E C T T C H H E W D G K | | | | |
| UniRef90_B8DQZ3 | | P Q G A K L A K P R V P P H E A H T A V D C G T C H H K G Y V D | | | |
| UniRef90_S0G6U2 | A P P E E V D A R R A A V E F P H G A H F D Y S C Q L C H H D W Y G E | | | | |
| UniRef90_S0G6U2 | A P P E E V D A R R A A V E F P H G A H F D Y S C Q L C H H D W Y G E | | | | |
| UniRef90_C6BRK0 | Q D N V A V K A T M A G V A F N H K A H E D Y S C S S C H H T M N K | | | | |
| UniRef90_A1VBG7 | | P A G A V L T K P A V L F P H D T H G S M D C G T C H H K G Y Q E | | | |
| UniRef90_I5B3B3 | | P E G V E A T R G S V G F P H G L H F Q F A C K S C H H D W D G E | | | |
| UniRef90_I5B3B3 | | P E G V E A T R G S V G F P H G L H F Q F A C K S C H H D W D G E | | | |
| UniRef90_C0QHA6 | E A P D D G L E I N H I E G S V M F N H S S H E S Y D C S E C H H K M K L K | | | | |
| UniRef90_Q728S8 | I K R P A K N K P V A S W V G P V K F P H G F H A I H N C A C H H E E S D K | | | | |
| UniRef90_B8DM32 | I K R P E K N Q P M A A W V K P V T F P H G K H A V L N C D S C H H E E S D R | | | | |
| UniRef90_Q9RN68 | | | | | |
| UniRef90_Q9RN68 | | | | | |
| UniRef90_UPI00035ECD9D | | P E G V E A T R G S V G F P H G L H F Q F A C A T C H H R S P L S | | | |
| UniRef90_UPI00035ECD9D | | P E G V E A T R G S V G F P H G L H F Q F A C K D C H H D W D G E | | | |
| UniRef90_L0RBZ6 | | | | | |
| UniRef90_L0RBZ6 | | | | | |
| UniRef90_E5YBQ5 | | P S G A R Q T M P P A R F S H Q A H T L I N C T I C H H T G Y V D | | | |
| UniRef90_P00134 | | P A G A K V T K A P V A F S H K G H A S M D C K T C H H K W D G A | | | |
| UniRef90_B6WSI9 | A P D K P I E L K S S E H K K M W V K F D H A T H E S V E C D V C H H P S D A K | | | | |
| UniRef90_F0JIY2 | | P A G A K A T K P V V F P H K K H G G I D C L V C H H K A T S K | | | |
| UniRef90_UPI00037DF27F | | | S V T F N H S S H E G Y S C N T C H H K W K D K | | |
| UniRef90_C4XGG7 | A V D A P A D P E G M P A T Q S P V K F S H K G H A K I D C K A C H H K G | | | | |
| UniRef90_G1UVJ3 | | | | | |
| UniRef90_G1UVJ3 | | | | | |
| UniRef90_S7U5Y8 | A D E L V A P P A G A T L T Q G Q V M F S H K T H A S Y D C K T C H H V Y D K Y | | | | |
| UniRef90_UPI0003B392E9 | | | | | |
| UniRef90_UPI0003B392E9 | | | | | |
| UniRef90_B6WTN7 | P V S E K P N P K G A S M T P V T F N H Q A H V D K D N C G A C H H V Y D K Y | | | | |
| UniRef90_D6SNJ7 | | | P V P F S H T V H G D Y D C G E C H H P L D E T | | |
| UniRef90_C8X171 | | | | | |
| UniRef90_C8X171 | | | | | |
| UniRef90_S0G8A7 | | K A V Y R M S P V V F D H K Q H E A A S C R V C H H E S L E | | | |
| UniRef90_A1VAR1 | I E L K H G T S K R M H V M F N H T T H K D I A C E Q C H H D S P P D | | | | |
| UniRef90_B8DR59 | | | | | |
| UniRef90_B8DR59 | | | | | |
| UniRef90_UPI0003761587 | A P K D P G A P A G A K I K K P K V A F P H A T H A A L Q C E T C H H M L K Q N | | | | |
| UniRef90_D6SRB8 | A P E E Y G E M R E A P S P F S H T V H G D F D C G E C H H P W D G T | | | | |
| UniRef90_P24092 | | | | | |
| UniRef90_P24092 | | | | | |
| UniRef90_E5Y9L6 | | | | | |
| UniRef90_E5Y9L6 | | | | | |
| UniRef90_G7QD77 | P V V G A D G K P V K Y G M P P V P F D H K Y H E S K N C V S C H H | | | | |
| UniRef90_C7LX19 | | | S A V P F N H K L H E E K N C S V C H H N A S S K | | |
| UniRef90_P00135 | | P A G A K M T K A P V D F S H K G H A A L D C T K C H H K W D G K | | | |
| UniRef90_UPI0003B627A8 | | P G D V Y A K R S S V E F P H E T H F S F G C G A C H H K W D G E | | | |
| UniRef90_UPI0003B627A8 | | P G D V Y A K R S S V E F P H E T H F S F G C G A C H H K W D G E | | | |
| UniRef90_B8DK10 | P K K A I E L K H G T S K R M H V K F N H T S H K D V A C E Q C H H D T D P A | | | | |
| UniRef90_S7VAY6 | I K R P K N L E A Q S S W V G P V Q F P H G L H A V M N C R A C H H M E T D S | | | | |
| UniRef90_UPI000463133B | | K P A T P Y A G M Q P V P F D H K T H E A K N C V S C H H | | | |
| UniRef90_E6VQP6 | | P E G S P M T K P A V V F P H K K H A D I D C L V C H H K S E S K | | | |
| UniRef90_B8FKY6 | | P E D V E A K F A D V R F P H A D H F S Y S C M E C H H M W D G Y | | | |
| UniRef90_C0QF53 | | | R S A V F F P H G L H M D L E C L D C H H V Y E G G | | |
| UniRef90_T2G9Q2 | | | | | |
| UniRef90_T2G9Q2 | | | | | |
| UniRef90_A8ZTK8 | | T R P P V I F P H D L H M G F D C F D C H H D Y D E D | | | |
| UniRef90_M1WM43 | I A P N G Q K M S K T P V E F P H K M H N G I D C L V C H H K A T S K | | | | |
| UniRef90_UPI0003B4E8C8 | E A P K D P V E M K Y K Y A P I M F M H D K H L G V A C A T C H H K W D G K | | | | |
| UniRef90_S7TTP9 | | | | | |
| UniRef90_S7TTP9 | | | | | |
| UniRef90_UPI0003B43F13 | | G P K W P T V M P A V P F D H G L H E A L N C V D C H H T S | | | |
| UniRef90_UPI0003775F83 | E R P K G N E P L A T V W K E V K F A H G F H A R V N C Q K C H H K E S D K | | | | |
| UniRef90_M5PSE9 | | T R L P V G M D R S L H A R H K C E S C H H R F D E Q | | | |
| UniRef90_M5PSE9 | | T R L P V G M D R S L H A R H K C E S C H H R F D E Q | | | |
| UniRef90_M5PSE9 | | T R L P V G M D R S L H A R H K C E S C H H R F D E Q | | | |
| UniRef90_C8X3T7 | | P A T M E R T M P R V V F S H D Q H R E M E C S L C H H A G P | | | |

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|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QUERY | E | N | Y | Q | K | C | A | T | A | G | C | H | D | N | M | D | K | K | D | K | S | A | K | G | Y | Y | H | A | M | H | D | K | G | T | K | F | K | S | C | V | | | |
| UniRef90_Q30WH0 | E | N | L | A | K | C | A | T | A | G | C | H | A | D | V | F | D | K | K | R | D | K | S | V | H | S | Y | K | I | I | H | D | R | K | A | T | T | A | T | C | M | | |
| UniRef90_B8IY72 | G | R | Y | V | A | C | T | E | | | C | H | A | D | P | G | A | K | R | E | D | K | S | V | H | S | M | F | M | A | F | H | D | S | K | A | D | T | A | T | C | M | |
| UniRef90_G1UXA9 | E | N | F | Q | K | C | A | T | A | G | C | H | D | D | L | T | G | A | K | R | G | E | K | S | L | F | Y | V | V | H | T | K | T | G | L | K | H | R | Q | T | C | L | |
| UniRef90_G1UX31 | D | R | Y | A | S | C | T | N | E | E | G | H | S | I | K | F | D | G | A | R | K | R | D | T | M | S | L | F | Y | M | A | Y | H | S | P | D | A | D | A | R | S | C | L |
| UniRef90_T2G718 | N | P | M | P | K | C | S | E | A | G | C | H | S | I | K | F | D | A | K | R | D | S | E | K | T | S | F | K | I | V | H | G | S | P | G | A | D | A | R | S | C | L | |
| UniRef90_C4XSC3 | G | E | I | Q | G | C | A | T | A | G | C | H | D | N | L | | | K | D | R | Q | E | A | T | S | F | R | A | F | H | D | K | N | A | D | | | N | S | C | L | | |
| UniRef90_G7Q405 | G | P | V | E | G | C | A | T | A | G | C | H | D | N | L | | | K | E | R | Q | E | A | T | S | F | R | A | F | H | D | K | N | S | E | | | T | S | C | L | | |
| UniRef90_UPI0003B6545D | E | S | F | A | K | C | G | S | S | G | C | H | D | N | L | A | G | K | Q | Q | G | E | K | T | S | L | Y | Y | V | V | H | T | K | K | E | L | K | H | T | N | S | C | L |
| UniRef90_B6WXU8 | E | S | Y | A | K | C | A | T | A | G | C | H | D | N | L | | | K | D | K | K | G | Q | T | S | L | Y | Y | V | M | H | T | K | A | K | E | L | K | H | Q | S | C | L |
| UniRef90_L0RDM8 | T | P | V | K | S | C | A | T | A | G | C | H | D | N | L | | | V | K | K | K | G | Q | T | S | L | Y | Y | V | M | H | T | L | Q | S | D | I | | | S | C | R | |
| UniRef90_C6BXX3 | S | Q | I | K | S | C | A | A | P | G | C | H | D | N | L | | | K | Q | K | A | A | P | H | S | Y | F | K | A | F | H | T | L | Q | S | D | I | | | S | C | R | |
| UniRef90_C8X5K5 | P | D | N | Y | N | C | M | T | E | G | C | H | D | L | F | N | | P | E | K | K | D | I | A | Y | F | I | N | A | F | H | D | R | R | S | E | H | | | S | C | L | |
| UniRef90_C8X085 | S | E | I | L | K | S | C | A | E | G | C | H | D | Q | R | G | T | M | K | M | E | G | S | T | I | Y | Y | A | F | H | | | K | K | S | | | Q | A | S | C | L | |
| UniRef90_UPI00035C6857 | G | Q | P | A | S | C | S | S | S | G | C | H | D | Q | Q | R | G | R | R | E | | A | R | S | F | Y | R | A | F | H | D | R | S | D | Q | R | S | T | | | S | C | L |
| UniRef90_UPI00035FDC4F | E | N | Y | K | K | C | A | T | A | G | C | H | S | A | A | K | A | D | K | S | K | A | G | S | Y | Y | K | I | I | H | N | K | K | S | D | G | L | | | S | C | M | |
| UniRef90_E6VZT9 | G | A | I | L | E | S | C | A | T | A | G | C | H | D | Q | P | G | K | K | E | S | T | | T | F | Y | A | K | A | F | H | A | K | D | S | T | | | A | S | C | L | |
| UniRef90_P38554 | Y | T | I | E | S | C | M | T | E | G | C | H | D | N | I | | | K | E | R | T | E | I | S | S | V | Y | R | T | F | H | T | T | K | D | S | E | K | S | C | L | | |
| UniRef90_E5Y4X2 | N | I | Y | V | G | C | A | A | K | G | C | H | D | N | M | D | K | K | D | K | S | E | H | S | G | Y | F | T | M | H | N | K | K | S | E | | | K | S | C | M | | |
| UniRef90_S7USW4 | G | D | I | Q | S | C | S | T | A | G | C | H | D | T | M | | | K | E | K | G | E | G | A | S | Y | Y | A | A | F | H | A | P | Q | S | T | I | | | S | C | M | |
| UniRef90_C6BUH4 | G | E | P | T | S | C | A | T | | | C | H | D | N | Y | S | A | M | P | K | G | Y | K | S | Y | F | K | A | M | H | Y | K | N | A | K | R | P | S | C | L | | | |
| UniRef90_F0JDK5 | S | D | I | R | A | C | G | S | S | G | C | H | D | Q | T | S | G | K | | | | K | G | E | T | A | F | Y | T | A | F | H | G | K | D | T | D | R | S | C | L | | |
| UniRef90_L0R8D6 | A | A | I | L | K | C | S | N | E | G | C | H | V | D | T | S | K | K | K | K | P | D | S | F | Y | S | A | F | H | A | K | A | D | F | | | | | S | C | V | | |
| UniRef90_P00133 | K | Q | Y | A | G | C | T | T | D | G | C | H | N | I | L | D | K | A | D | K | S | V | N | S | W | Y | K | V | V | H | A | K | G | G | A | K | P | T | R | S | C | L | |
| UniRef90_A8FWU2 | G | S | F | T | S | Y | K | C | A | S | C | H | S | T | A | K | K | D | K | S | I | D | S | S | F | K | A | I | H | G | R | K | A | L | P | T | R | S | | | S | C | L |
| UniRef90_E5Y2S7 | A | K | Y | V | S | C | A | S | E | E | C | H | S | V | P | R | G | D | D | G | V | A | S | L | F | K | A | F | H | A | K | A | D | S | D | H | | | | | S | C | Y |
| UniRef90_UPI00036DD270 | S | E | V | M | S | C | A | A | E | G | C | H | N | K | Q | R | A | K | R | G | E | T | L | S | F | K | K | A | F | H | D | L | | | | | | | | S | C | I | |
| UniRef90_B8DQZ3 | G | G | P | M | K | C | A | S | K | D | C | H | D | V | T | P | K | D | S | T | R | N | I | P | R | Y | F | R | N | A | F | H | G | E | G | | | P | S | C | N | | |
| UniRef90_S0G6U2 | G | E | V | E | G | C | M | T | E | G | C | H | D | Q | P | D | P | S | T | R | N | I | K | D | P | A | N | V | Y | Y | L | A | A | Y | H | N | T | | | S | C | L | |
| UniRef90_S0G6U2 | G | E | V | E | G | C | M | T | E | G | C | H | D | Q | P | D | P | S | T | R | N | I | K | D | P | A | N | V | Y | Y | L | A | A | Y | H | N | T | | | S | C | L | |
| UniRef90_C6BRK0 | | | | | | | S | C | S | S | C | H | T | V | R | G | S | K | D | G | F | V | T | L | D | K | A | M | H | | | K | A | D | S | T | R | S | C | M | | | |
| UniRef90_A1VBG7 | G | K | | Q | T | C | A | T | | | K | G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_I5B3B3 | S | E | V | E | A | C | S | S | | | C | H | S | E | T | E | P | S | T | R | N | I | K | D | E | A | N | Q | M | Y | Y | L | A | A | Y | H | N | A | | | S | C | V |
| UniRef90_I5B3B3 | S | E | V | E | A | C | S | S | | | C | H | S | E | T | E | P | S | T | R | N | I | K | D | E | A | N | Q | M | Y | Y | L | A | A | Y | H | N | A | | | S | C | V |
| UniRef90_C0QHA6 | E | G | E | P | R | S | | | A | T | | C | H | S | T | G | T | D | I | N | E | K | Y | K | P | Y | F | K | A | M | H | M | K | N | K | F | R | Y | P | S | C | L | |
| UniRef90_Q728S8 | T | L | G | S | F | L | P | C | S | T | Q | C | H | N | K | P | G | D | A | E | Q | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_B8DM32 | T | L | G | S | F | L | P | C | S | T | Q | C | H | N | K | P | G | D | A | E | Q | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_Q9RN68 | L | T | P | P | K | C | G | S | | | C | H | T | K | E | D | K | A | N | P | G | R | P | N | L | M | A | Y | H | L | | | | | | | | | | | | | |
| UniRef90_Q9RN68 | L | T | P | P | K | C | G | S | | | C | H | T | K | E | D | K | A | N | P | G | R | P | N | L | M | A | Y | H | L | | | | | | | | | | | | | |
| UniRef90_UPI00035ECD9D | S | E | V | E | S | C | T | S | | | C | H | S | E | T | E | P | S | T | R | S | V | K | N | E | E | N | Q | M | Y | Y | L | A | A | Y | H | N | V | | | S | C | V |
| UniRef90_UPI00035ECD9D | S | E | V | E | S | C | T | S | | | C | H | S | E | T | E | P | S | T | R | S | V | K | N | E | E | N | Q | M | Y | Y | L | A | A | Y | H | N | V | | | S | C | V |
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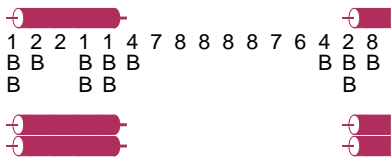
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