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| UniRef90_R5AVE2 | R K I D P G T V Q R I L D A A D I V V E V V S S D F V V H L | | K R R G S G Y I G L C P | | | | |
| UniRef90_A5EXR5 | G K R I P K S F I D D L I N R T N I V S L I G S R L S Y K K M G A N Y V A C C | | | | | | |
| UniRef90_L8LTD5 | R L I H P E T I A S V K E R V D L L E V V G E F V T L K T A G G S L K G L C P | | | | | | |
| UniRef90_K9APE4 | A G L I K R E D I D E L R S R T R L D E V V G E F V T L K T A G G S L K G L C P | | | | | | |
| UniRef90_UPI00039A89D1 | R F T D D F I D E I K A R L R P S E V I G R R V K L R R Q G R E F A G L S P | | | | | | |
| UniRef90_L7EQ74 | I P E D V I E K I K Y E N D I V D V I S D T V K L K K S G R N Y M G L C P | | | | | | |
| UniRef90_N1UWT2 | A G L I K R E D I D E V R Q R T D I K D V V D G Y V T L K S A G G S F K G L C P | | | | | | |
| UniRef90_W0RIR7 | I S A E T I D R V R E S A D I V I E I I G E H V K L R R A G A D F R G P C P | | | | | | |
| UniRef90_C6PTX8 | I S E D V I Q R V K E E N D I V D V I S E T V K L L K R A G R N Y S G L C P | | | | | | |
| UniRef90_UPI0003B44EF7 | F P Q S F I D D L R A R V D L A D V V G S S V K L I K R G R E Y S G L C P | | | | | | |
| UniRef90_B4UDK4 | I P D A V I D Q I R E R V D V V A V I G R H M E L K R S G R T W K G N C I | | | | | | |
| UniRef90_C7H3D7 | I P H E Y I E E I L T R R T D I V D V V G N Y V Q L K R K G R L Y G G L C P | | | | | | |
| UniRef90_R6IZ22 | I L S D S F L Q E E L K M K T D I E D V I S T Y V T L K R R G A T L V G L C P | | | | | | |
| UniRef90_UPI0002FFC8F5 | L S P Q W L D E L R S R I T L S T L I G R H V K V Q R A G R E F K A C C | | | | | | |
| UniRef90_A9KDP2 | R R I P Q S F I Q D L L S R T D I V D I V E Q Y V Q M H R S G K N W F G L C P | | | | | | |
| UniRef90_UPI000371B6D9 | R R I P P E E V I D D V V R Q S V N I L D I V V E Q Y V Q M H R S G K N W F G L C P | | | | | | |
| UniRef90_C0QK00 | I P Q E K I S E I V I N A S D I V E V I I S E V V L L K K S G R N Y F G L C P | | | | | | |
| UniRef90_UPI00047991A6 | R I S S S Q T V V E Q I R T A L Q I E D D V V G D F V T L K R K G Q N L W A C C | | | | | | |
| UniRef90_UPI000467B753 | R F P S S F L D E I R D R V V P I S N V I G Q R V T W D R R K T N F W A C C | | | | | | |
| UniRef90_O83505 | R I S A H V I D A I A D R V D L V S I V G N Y T H L E R R G D D W W G R C P | | | | | | |
| UniRef90_UPI00037309BF | G R G I P E E I I E A V L Q Q H D I V D T V G K H V H L S K Q G K Y M K G L C P | | | | | | |
| UniRef90_B4W8U3 | R F D E R F I D E L K A R L R P S D V I G R T V K L K R Q G R E Y V G L S P | | | | | | |
| UniRef90_UPI000469D825 | R F E A S F L D E I R S K V D L V D I I G R E V Q L K R A G Q T F A A C C | | | | | | |
| UniRef90_A9B9X4 | R I H P H T I E A V K E R A D I D V D V V G E H V V L K K G K E F V G I C P | | | | | | |
| UniRef90_C2CGA0 | I S D D K I N Q L Q S S N I V D V I I G E Y V D L K R S G S S F K G L C P | | | | | | |
| UniRef90_C6RDX9 | I D P K S I E R E R L K A Q T D I A D I V G H Y L P L K K S G A N F I V C V C P | | | | | | |
| UniRef90_UPI00036968C4 | G L I P Q Q T I D E V L V K R Y D I G E T V G R Y V H L S K Q G K Y M K G L C P | | | | | | |
| UniRef90_UPI00037E14C9 | K I P Q D F V D D R L R S D V P I E D V I G R H V K L K K S G K E F Q A L C P | | | | | | |
| UniRef90_F7QFT7 | R F T P Q F L E E L R A R L P V S E V V G R R V K L K R A G K E F K G L S P | | | | | | |
| UniRef90_UPI00046A7157 | A G L I P E D F I S E V V R G N V N I V D V I I S Q Y V S L L E K K G K D Y I G L C P | | | | | | |
| UniRef90_R5KVK8 | Y S E D L I S E E V I S Q N D I V D V I I S E Y V A L L K K S G R N F M G L C P | | | | | | |
| UniRef90_E3PSM2 | I D D N F I E D D V K A R I N I L D I V I S S Y V E V L K G N A E S Y K G L C P | | | | | | |
| UniRef90_UPI0002196C82 | K I P E T V I D D V L W N Q T N I T D V V V S K Y V N L K K S G N N L F G L C P | | | | | | |
| UniRef90_R5J4I0 | K D I I I D E V K A R N D I A D V I I S D Y L K L T P S G S N Y K G L C P | | | | | | |
| UniRef90_J4KCI8 | I P K T I I E K I L D R T R E E V I I E F V P L R K S G V N Y K A L C P | | | | | | |
| UniRef90_K2DQ38 | I P K T I I E K I L D R T R E E V I I E F V P L R K S G R N Y K G L C P | | | | | | |
| UniRef90_Q0BY76 | R I P D G F V D E L K A R I R P S D V I G R K V K L T K G K E W V G L S P | | | | | | |
| UniRef90_D7G3B8 | R H I T D E T L D L I R A S T S I T E V I G Q H V E M K P A G R G M V G C C | | | | | | |
| UniRef90_K9R641 | R L H Q D T I D E V K H R A D I V D V I I S E R V V L R K R G K D F L G L C P | | | | | | |
| UniRef90_K1ZWQ6 | I L K S S I I D R L L Q T I L D E V I I S S Y V D L R K S G S N Y M A C C | | | | | | |
| UniRef90_T2T503 | I S K T T I D E V N S R M D A V A V V V Q D Y V R V L L D K R G G R R W W G L C P | | | | | | |
| UniRef90_F5YC88 | R I S S A V R E E I R A R I D L A E L V V G Q Y V P L R R A G R D L V A R C P | | | | | | |
| UniRef90_H5SJ1 | R I S S E E T V V E K I R A R I D L A E L V V G Q Y V P L R R A G R N Y V G L C P | | | | | | |
| UniRef90_UPI0002F1911C | N Y I P R E E L D N I C T Q N D I V E V I I S E G V V T L L R S A G G S F K G L C P | | | | | | |
| UniRef90_UPI00035FA44E | A G L I V R K D I D L V R E R T D L K A V V V E E F V T L L R S A G G S F K G L C P | | | | | | |
| UniRef90_UPI0003803779 | L P P N F L D E L R A R T P L P A L I I G R K T K L L T R A G R Q W K A C C | | | | | | |
| UniRef90_G9ZXCM4 | I D Q A T I Q K I F D A A D I I Y E V I I S D F V V S L L K R G V N Y V G C C | | | | | | |
| UniRef90_F9ZCK2 | G R I R A A D I A L V R E R S K I D E I V G E H I Q L H T T L K R A G S E Y K G C P | | | | | | |
| UniRef90_UPI00047DB12C | G R I P N H I E Q L I N S Q A D L I S I I G K H T T L K R A G S E Y K G C P | | | | | | |
| UniRef90_X0Q6M8 | | | | | | | |

| | 50 | 60 | 70 | 80 |
|------------------------|---|---|---------------------------|----|
| UniRef90_C7NH61 | F H D E K T P S F Q V R P A [V] G H W H C F G C G E G G D | | V I E F V Q K I I D H L S | |
| UniRef90_L0EDW1 | F H S E K T P S F T V T P E K G I F H C Y G C C G K S G S | V I R F R M E L L E G Y S | | |
| UniRef90_B8CXH2 | F H Q E K T P S F T V N P E R Q F F Y C F G C C G V G G D | V I S F L M E I E N I T | | |
| UniRef90_J3J521 | F H D E R T P S F N V R P H L G M F H C F G C C G E S G D | V I S F V V Q K I I D H L P | | |
| UniRef90_UPI00037E1AF9 | F H H E K S P S F S V S A D K Q L Y Y C F G C C G V G G G A | F Q L M E H D G Y A S S | | |
| UniRef90_K9Q0L9 | F H D E K T P S F T V S P S K Q F Y H C F G C C G A G G G N | A I K F F L M E I N K S S | | |
| UniRef90_UPI000381A809 | F H D E K S P S F N V T P E R G M Y F C F G C C G E G G D | V I T F V E K I E H L | | |
| UniRef90_UPI0003B3BABC | F H N E K T P S F S V S Q S K Q M Y H C F G C C G V G G D | V I F S F L Q R Y N S L L | T E | |
| UniRef90_E0WUW9 | F H N E K T P S F T V N G E K Q F Y H C F G C C G A H G N A | V D F L I S Y D R L L | E | |
| UniRef90_UPI0002891A0B | F H N E N T P S F T V S P D K Q I Y K C F G C C G E A G N | V F S F V M K T T E N L L | T | |
| UniRef90_X7ZGD2 | F H D E K S P S F H R P N H G H F H C F G C C G E G G D | V Y A F V Q K I I E H V | S S | |
| UniRef90_B0C5J4 | F H D E K T P S F S V S P E K Q F Y Y C F G C C G V G G G | N A I K F F L M E I G Q R | S S | |
| UniRef90_B1I1U0 | F H Q E K T P S F T V T P A R Q M F Y C F G C C G V G G G | N V F R F L M L K E N L | L S S | |
| UniRef90_UPI0004061B92 | F H G E K T P S F Y V Y D D H F H C F G C C G A H G D A I | S F V M Q M E G K G K S | S S | |
| UniRef90_Q1WTP2 | F H S E K T P S F S V N E Q K Q K I F H C F S C C H R G G | G N V F K F I M E L E G L | S S | |
| UniRef90_A8F8P4 | F H S E K T P S F H V N P T L K L Y H C F G C C H A G G G | N V F K F I Q E I E H I | S S | |
| UniRef90_I0GS53 | F H G E K T P S F S V V P D K G F F Y C F G C C H A G G G | N V F K F I S L L E N I | S S | |
| UniRef90_I2FEA1 | F H D E K T P S F V V S P A K G F Y H C Y G C G V G G G D | S I K F F L M E Y E K L | S S | |
| UniRef90_G8AN99 | F H N E K S P S F Y V N D Q K G F F H C F G C C G A H G D | A I L G F V M R H D N L A | S S | |
| UniRef90_V8D7F5 | F H D E K S P S F H R P N H G H F H C F G C C G E G G D | D V Y A F Q K V E H V | S S | |
| UniRef90_UPI0003A56DBD | F H D E R S P S F N V R P S V G R Y F H C F G C C H A G G G | N V F T F L M K M D G L | S S | |
| UniRef90_R9C2U6 | F H G E K T P S F T V S P D K Q I F H C F G C C H A G G G | N V F T F L M D L E G S | S S | |
| UniRef90_C0JZY3 | F H N E K T P S F H V E P S R G I Y K C F G C C G K S G T | A I V G F V M E Y E K L | S S | |
| UniRef90_UPI00047EFA47 | F H N E K T P S F V I N P Q R Q M Y K C F G C C G E A G D | V I R F F I M K I E N L | S S | |
| UniRef90_C0W0B7 | F H D E N T P S F N V N T A R G F W H C F G C C G E G G G D | A I S F F L Q K I D H L | S S | |
| UniRef90_I0H0A7 | F H D E K T P S F N V S P A R N V Y F C H G C G Q G G D | A I K F F L M D A E H L | S S | |
| UniRef90_UPI0003CFC938 | F H N E K T A S F M V S P Q K Q I F K C F G C C G K G G G | N V F T F V Q E Y E K I | S S | |
| UniRef90_A8V4U9 | F H P E K T P S F Y V S P Q K N I W K C F G C C G K S G S | A I T F F V M E Y E G L | S S | |
| UniRef90_I0EK89 | F H E E R S A S F S V N Q A K G F Y H C F G C C G A H G D | A I R F F L R E H E K L | S S | |
| UniRef90_A5V3D4 | F H N E K S P S F Y V N D D K G F Y H C F G C C G A H G D | A I R F F L T E A K G L | S S | |
| UniRef90_K9YBA5 | F H E E K T P S F T V N P S K Q L Y Y C F G C C G A G G G | N V F T F L M E L G K Q S | S S | |
| UniRef90_UPI0003B748C5 | F H G E K T A S F H V D A D K K F Y H C F G C C H K G N | N V F T F L I M E M E K L | S S | |
| UniRef90_E6W5Z0 | F H S E K T P S F H V T P D K G L Y Y C F G C C H A G G G | N V F T F L M E K L G M T | S S | |
| UniRef90_P74143 | F H D E K S P S F S V S P A K Q M Y Y C F G C C H A G G G | N A F N F L M E L G K R S | S S | |
| UniRef90_L8XXK9 | F H Q E K S P S F M V N Q S K Q L Y H C F G C C G A K G N | V V T F L M E Y E K L | S S | |
| UniRef90_M1ZF77 | F H S E K T P S F T V S E S E K Q L F H C F G C C H G G D | L I N F F L V M K I E N L | S S | |
| UniRef90_L0FCF8 | F H A E K T P S F T V T P E K Q I F Y C F G C C H T G G | N V F S F L M R K E N W S S | S S | |
| UniRef90_J2VEC1 | F H G E K S P S F H C E D R K G R Y H C F G C C G V G | G N A I R F F I T E L E G L | S S | |
| UniRef90_R7K6C7 | F H N D R N P S S I N R E G Q Y F H C F V C G V G G G N | A I R F F I M K Y E S C | S S | |
| UniRef90_UPI00035F833E | F K D E K T P S F H V R P N R G Y Y H C F G C C S T G K G | G D V F V S F F L M E M E H I | S S | |
| UniRef90_I6XVM8 | F H D E K T P S F T V T P S R G F F Y C F G C C G E G G D | V I T F F L Q R Q Q N L L | S S | |
| UniRef90_J9HGI3 | F H D E K S P S F H V T P S K G Y F H C F G C C G Q V G | G G D V I A F F I M K L E H | S S | |
| UniRef90_R5AVE2 | F H N E R T P S F S V S S K T K G I C K C F F S C G K G | G G S A V N F F I M E L L E Q M S | S S | |
| UniRef90_A5EXR5 | F H Q E K T P S F T V S E V K Q F Y Y C F G C C G Q A G G | D A L R F F L M D Y E H L | S S | |
| UniRef90_L8LTD5 | F H Q E E K T P S F T V S T D K Q L Y H C F G C C G A G G G | N A L G F F L M E L E K R S S | S S | |
| UniRef90_K9APE4 | F H D E K T P S F T V R P Q V G M Y F H C F G C C G E S G | D V F T F L Q K V E Q L | S S | |
| UniRef90_UPI00039A89D1 | F N K E K T P S F F V N D E K G F Y H C F G C C S S G K H | G H D I V F S F L Q E T E G M S | S S | |
| UniRef90_L7EQ74 | F H N E K S P S F S V S E D K Q I Y K C F G C C G E A G N | V I T F F L V M K T K S L S | S S | |
| UniRef90_N1UWT2 | F H D E R S P S F H V R P Q V G T Y H C F G C C G E G G D | V I T F F L V Q K M D H T T | S S | |
| UniRef90_W0RIR7 | F H G G K N P N F S V S P R R G Q Y H C F G C C G V S G | D A I R F F I V R E R L G L D | S S | |
| UniRef90_C6PTX8 | F H E E K T P S F S V S I D K Q I Y K C F G C C G E A G N | V I T F F L V M K T K N L S | S S | |
| UniRef90_UPI0003B44EF7 | F H S E K S P S F T V N D Q K G F Y H C F G C C G A H G D | V I T F F L V M N T R G L | S S | |
| UniRef90_B4UDK4 | F H G E R T P S F H V Y P E D K H F K C Y H C F G C C G | A Y G D V F T F L Q R L E G K E | S S | |
| UniRef90_C7H3D7 | F H S E K T P S F V Y P D T Q S F Y C F G C C G V G G D | V I H F V R R I N S I D | S S | |
| UniRef90_R6IZ22 | F H N E K T P S F T V Y L A T Q S F Y C F G C C G A G G G | D A I T F F V V K K I E N L | S S | |
| UniRef90_UPI0002FFC8F5 | F H N E K T P S F T I N D D K G F Y H C F G C C G A H G D | A I R F M T D H Q G L | S S | |
| UniRef90_A9KDP2 | F H T E K T P S F T V S S S S K Q F Y F N C F S C H R G | G G N V F K F I M A F D R M E | S S | |
| UniRef90_UPI000371B6D9 | F H T E K T A S F S V N S E Q K Q I F N C F S C H R G G | G G N V F K F I M D V I E N L | S S | |
| UniRef90_C0QK00 | F H S E K S P S F S V S P E K Q I F H C F G C C S A G G N | V F S F L M R H H G I | S S | |
| UniRef90_UPI00047991A6 | F H H E K T P S F S V T P L K G I F K C F F G C C G K A | G D A I T F F L M E L E N L | S S | |
| UniRef90_UPI000467B753 | F H G E K T P S F H C E D G K G R Y H C F G C C V S G D | H H F R F F L T D L D G M S | S S | |
| UniRef90_O83505 | F H S E K T P S F T V T P V I P D K K M Y Y C F G C C G | V G G G S T I K F F M E I E K I | D | |
| UniRef90_UPI00037309BF | F H S E K T P S F T V T P E R Q M F H C Y G C C G K G G N | A I R F R M E I L E G L S S | | |
| UniRef90_B4W8U3 | F S K E K S P S F F V N D D K G F F H D F S S G K H G | D I I S F L Q E T E R L S S | | |
| UniRef90_UPI000469D825 | F H E E K T P S F N V S P T R N T Y R C W G C G A S G N | A I D W M R K R H H M T | | |
| UniRef90_A9B9X4 | F H D D S K P S M T V S P A K Q F Y Y C F G C C G A G G | N S I K F F L M E F Q R E S S | | |
| UniRef90_C2CGA0 | F H N E K T P S F T V D D K K Q L F H C F G C C G A G G G | D V V S F I M Q K E G L | | |
| UniRef90_C6RDX9 | F H D D K N P S M S V S P S R G I F H C F G C C G K A G | G G D A I K F F V M D Y E K L | | |
| UniRef90_UPI00036968C4 | F H S E K T P S F T V T P E K Q I F H C F G C C G K S G N | G N V F S F I M E M E N E T | | |
| UniRef90_UPI00037E14C9 | F H T E K T P S F S V V P S K G F Y H C F G C C G A E H G | D S I F S F I M K F F S Q V D G | | |
| UniRef90_F7QFT7 | F K Q E K T P S F T V N D Q K G F Y H C F G A S G K H G | N I I F D F I M E T E G L | | |
| UniRef90_UPI00046A7157 | F H Q E K T P S F T V N E E K Q F F K C F G C C G C G V | G G N V F V F K F L M Y K D N L | | |
| UniRef90_R5KVK8 | F H R E K T P S F S V S M D D K Q I F K C F G C C G S E | G G N V F I S F F I M K I E N L | | |
| UniRef90_E3PSM2 | F H N E K S P S F M V N E K K Q I F H C F G C C G E G G | D A I A F F I M K K E N L L | | |
| UniRef90_UPI0002196C82 | F H E E R T P S F S V S E S E K Q I F H C F G C C G R G G | G N V F V F K F L M D L Q G I | | |
| UniRef90_R5J4I0 | F H H E K T P S F S V N T S K Q I F K C F G C C G A G G G | D V I N F F I M R K E N L | | |
| UniRef90_J4KCI8 | F H Q E R T P S F T V S P H R G M F Y C F G C C G K K G | G N A I F E K F I Q E E G L | | |
| UniRef90_K2DQ38 | F H G E K T P S F M V N E E G I F K C F G C C G N K A G | D I I F K F I Q E E G L | | |
| UniRef90_Q0BY76 | F T A E K T P S F Y V N D Q K R I F K C F G C C G F S S | G G D V I I N F F I V M E T E R L | | |
| UniRef90_D7G3B8 | F H E D R T P S F S V V D D S R G S Y H C F G C C G G E | G G D V I I N F F I V M E T E R L | | |
| UniRef90_K9R641 | F H N E K T P S F S V S P S K Q M Y F C F G C C G R G G | G N V F V F K F L M D L D K R S D | | |
| UniRef90_K1ZWQ6 | F H S E K T P S F M V N E E M G L Y K C F G C C G A G G | G D V I I N F F I M R K E N L | | |
| UniRef90_T2T503 | F H E E R T P S A S F S V N Q I K G F Y H C F G C C G A | G G D V I I N F F I M R K E N L | | |
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| UniRef90_H5JSJ1 | F H E E K T P S F Y V S R D R G L K I C H C F G C C G A | G G D V I I N F F I V M E M E N K S S | | |
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| UniRef90_F5YC88 | F F P E T V E L L L A K K L G I E I V Y |
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| UniRef90_UPI0002F1911C | F F A E A V R K L L G K P G I E I E A G E |
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| UniRef90_UPI0003803779 | F F T E T V E R L L A A R V G V E L H Y E D |
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 L H P S T I A A V R E R A D I V D V V V S E H V V L K K R G R E F V G L C
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 F H T E K T P S F S V S [REDACTED] V Q K Q I F Y C F G C Q T G G N V I S Y I R K L D D V D
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| UniRef90_W5UTK5 | R I P Q K E L D E L I K N D V S I V D E I S A H I N L V K K G N N F W A L C P | | | |
| UniRef90_D0FV1 | F R Q E D I D R L L E Q L N I V D V G E F V E L K K S G A N Y K G L C P | | | |
| UniRef90_H1DBT9 | I D D K V I S S I K E K I S L S D Y I A Q Y V D L L K Y V N G Q A V G L C P | | | |
| UniRef90_A0A011UZH3 | I T K E S I D K V Y D A I R V E E V I G D F I Q L K R S G A G Y K G L S P | | | |
| UniRef90_U2C5X6 | E L I E K I T N D L N I E D V I S H Y I S L E K K G N S F V A I C C | | | |
| UniRef90_W8GFA1 | A Y G I P D D L K E R L R A D C D L V K L I S S D D V P L H R V G A S W R G C C | | | |
| UniRef90_I4EFX3 | K I T N N V F Q A I R D A V N I S N V I Q N Y I K V I K G N N Y W A I C C | | | |
| UniRef90_B5ZC01 | M P K E E I T R L K T E T D L L A L I R G Y I E L K K H G L N W L G R C P | | | |
| UniRef90_Q4A5V8 | E S L L E E L K A K V N I V D F V D Q L Y H P K R A G A S X V I S C P | | | |
| UniRef90_M6Q4Z9 | R I P E A E L Q H L K A A V S L V A V V E Q Q G K L V K R S K D Y V L L C P | | | |
| UniRef90_F8KTM4 | Y D D D M L E E I N S N V D L L D Y I G S T M E L K Q R G K D Y F G H C S | | | |
| UniRef90_B6VN36 | I S K Q S I E D L K N K S K I S D F I L S S T T G K L R G N K G M A L C C | | | |
| UniRef90_UP100046313B5 | M G L C P | | | |
| UniRef90_UP10003705A4B | D D I L N K A D I V S I I S N Y V S L E K K G N N Y I G L C P | | | |
| UniRef90_J1F611 | G E Y V R L T P A G K G R K G L C P | | | |
| UniRef90_I1A5X9 | M A C C P | | | |
| UniRef90_H8GVC8 | K E F I N K I N T E V P I Y D L V Q E N V I L K K V G K N F M G L C P | | | |
| UniRef90_Q7VGW9 | I S K E F I D R L L F N T D I L H V F Q H L I K L E K K G A H Y W C L S P | | | |
| UniRef90_B3QZV5 | R Y T E S S I D D V R N V D I D K I V S R Y C E L K G S G Y L L T G K S P | | | |
| UniRef90_UP10003614180 | G K G F K A L C P | | | |
| UniRef90_G8XA62 | I N K K I I E R I F E S K V E E V I S D F I C L K K I G Y K A L S P | | | |
| UniRef90_X1KQC6 | I P D H E F D E A K D R H N L S D V L L A R H T M L K K R G R E L K G I C P | | | |
| UniRef90_E0TJA0 | M T N T T I D K I K D S I P L M Q A I E Y Y L H P I K K G K Y H W I R C P | | | |
| UniRef90_UP1000262C2D2 | D T E R L K Q E H P I A E V I A G Y I A L R P R G R T L V G R C P | | | |
| UniRef90_C7ISQ6 | D N L F E T V K Q S I T I R E A A E R Y G I E V K R G G M V C C | | | |
| UniRef90_F0QS43 | M A E S V F E A V K Q F V T V R E A A Q M Y G I E V N R S G M A C C | | | |
| UniRef90_I4EL75 | C C P | | | |
| UniRef90_R0A340 | N V F E A V K Q S I T T R E A A E H Y G I E V K R G G K R N S M A C C | | | |
| UniRef90_N9VV41 | D P E L Y S R I K D A V S M Q Q A V E Y C G L H I L L N G K C L C P | | | |
| UniRef90_X0WTV5 | N V F E A V K Q S I T T R E A A E H Y G I E V K R G G K R N S M A C C | | | |
| UniRef90_R9N101 | N V F E A V K Q S I T T R E A A E H Y G I E V K R G G K R N S M A C C | | | |
| UniRef90_R5L16 | G T K I D G S I I E R L H K K V D L L S V I G E Y I P L Y E R G K N Y V G H C P | | | |
| UniRef90_F7K2D3 | T Y D E I K R I S I R A Y L A A R V P Q R E Q G N R G M Y L S P | | | |
| UniRef90_J1SHA4 | E K L N Q L L S N V S L I D I L R D R Y K V I S R G G S Q Y V Q C P | | | |
| UniRef90_A3JHF5 | G S I P S E L L E R I K R E S P I E E V A L S L G L V T R D S R P M R C P L P | | | |
| UniRef90_E0ULT2 | E F I E E M F E R I S V E Q I V G R Y T K L I P R G R H W M G L C P | | | |
| UniRef90_UP10003200C87 | N I F Q D I K D R I D L K D L V R Y Y G L N V D R G G F A C C P | | | |
| UniRef90_D8IFV1 | Y T E K S I D L V R N A D I V Q I I G H F C E L K K S G S R Y T C E S P | | | |
| UniRef90_X0UW90 | N L F E K V K A L I S A R T V I S D Y G V K I I S K N E M A C C | | | |
| UniRef90_R6GIY4 | F T T D Y I D Q L L A N V S L V D V M K A H G V K V K I G K N D M Y I A D | | | |
| UniRef90_E6UKP4 | M A E N V F E A V K L S V S T R E A A E F Y G I K V S R T G M A C C | | | |
| UniRef90_UP100034B54BB | A G R I K D E D I A L V R E R T P I A D V I G E Y L Q L R N G G G S L K G L C P | | | |
| UniRef90_J0RT52 | M K E G N L S T I R R Y P I T A Y E S K T P I R K L A A Y A M Y R S P | | | |
| UniRef90_W3AKU2 | K L N A E I D C E D L A E R L G L V R P G G S S G N F R S P | | | |
| UniRef90_W4CZQ8 | M E R T E I Q N I K Q S T D Y L Q Q Y S P T R I Q G I H F W Y C S P | | | |
| UniRef90_D4M0W7 | D I I R Q M P I A V F L A R H E P V R R S G N E L W Y I A P | | | |
| UniRef90_UP1000344F8D2 | N I F E T V K A A V T V R Q A A E H Y G I K N V K G N M A V C P | | | |
| UniRef90_C3R8G3 | F T Q D D I K R I K E A S R L L D V I G D F H E L R K R G A E Y K C E C P | | | |
| UniRef90_K0I0F2 | M P T I D R D A V L L D A T D L T A L A T E I C Q G R G R A A R W H C P N P | | | |
| UniRef90_UP10003A806B3 | T I Q A I K H S I R A Y L A E L H P T K D N P R Y G L Y L S P | | | |
| UniRef90_D1W3Y4 | T L D K A K Q R V P L L Q Y I E M T T K S K K I G S N T F I P C P | | | |
| UniRef90_C3R7V3 | R T W F D Q L K R D I D L H D L A E R D L R R N G N K G N Y R S P | | | |
| UniRef90_R5KQ98 | E E I K E K Y S M S E I I L E Q Y G F K P N R A G F I C C P | | | |
| UniRef90_A2A033 | F E Q V K E C V T A R Q A A E H Y G I K V K R N G M A C C | | | |
| UniRef90_T0IKG8 | D V E S L R R D V S L S S T A A Q Y G K L T R N G H E F A T C C P | | | |
| UniRef90_D4KCJ8 | Q L V E Q I K D N L D I L T A L Q K Y T T A K L R G K G N I L C P | | | |
| UniRef90_X6Q4R3 | H S L A D I N L K E L I E K T G E F K N S Q N K I L K C M | | | |
| UniRef90_K1T0M4 | V F E Q V K S A V D M R T V A E G Y G L H I D R G G M T L C P | | | |
| UniRef90_C9RA92 | N V F A V V K E N V T A R Q V A M Q Y G I K I N R S G L A C C P | | | |
| UniRef90_N9XJT0 | N I F Q T V K E N V T A R Q A A E Q Y G G L K V N K N G M I C C P | | | |
| UniRef90_W2CHN8 | T I Q A I K H S I R A Y L A E L H P T K D N P R Y G L Y L S P | | | |
| UniRef90_W1R5K5 | R I K Q H I P I T D Y L Q Q Y T P T R V Q G V H Y W Y G S P | | | |
| UniRef90_A0MN41 | F I E H R L D F F E I A S K Y T N L R H R G G K Y Y L C P | | | |
| UniRef90_E5VCF1 | D A V L K R A N I R D V L N A Y D V K I L V G N K C I C P | | | |
| UniRef90_D4LQ25 | D K E K I L A S T D I P T L V R E L L P M K P V G T D Q V V N C V | | | |
| UniRef90_Q2J7S8 | N I F Q T V K E N V T A R Q A A E Q Y G G L K V N K N G M I C C P | | | |
| UniRef90_R6UT12 | T I Q A I K H S I R A Y L A E L H P T K D N P R Y G L Y L S P | | | |
| UniRef90_A1AN25 | R I K Q H I P I T D Y L Q Q Y T P T R V Q G V H Y W Y G S P | | | |
| UniRef90_E9RX89 | F I E H R L D F F E I A S K Y T N L R H R G G K Y Y L C P | | | |
| UniRef90_G1BQ98 | D A V L K R A N I R D V L N A Y D V K I L V G N K C I C P | | | |
| UniRef90_K1SAP5 | D K E K I L A S T D I P T L V R E L L P M K P V G T D Q V V N C V | | | |
| UniRef90_UP1000479CD2C | N I F Q T V K E N V T A R Q A A E Q Y G G L K V N K N G M I C C P | | | |
| UniRef90_G9J1Y1 | T I Q A I K H S I R A Y L A E L H P T K D N P R Y G L Y L S P | | | |
| UniRef90_F5XD32 | R I K Q H I P I T D Y L Q Q Y T P T R V Q G V H Y W Y G S P | | | |
| UniRef90_H1S8C4 | F I E H R L D F F E I A S K Y T N L R H R G G K Y Y L C P | | | |
| UniRef90_E6LJF8 | D K E K I L A S T D I P T L V R E L L P M K P V G T D Q V V N C V | | | |
| UniRef90_F7JEX1 | N I F Q T V K E N V T A R Q A A E Q Y G G L K V N K N G M I C C P | | | |
| UniRef90_J2L2Y3 | T I Q A I K H S I R A Y L A E L H P T K D N P R Y G L Y L S P | | | |
| UniRef90_G2FD60 | R I K Q H I P I T D Y L Q Q Y T P T R V Q G V H Y W Y G S P | | | |
| UniRef90_C6PSF9 | D K E K I L A S T D I P T L V R E L L P M K P V G T D Q V V N C V | | | |
| UniRef90_A5F9R0 | N I F Q T V K E N V T A R Q A A E Q Y G G L K V N K N G M I C C P | | | |
| UniRef90_A0A011VYK9 | T I Q A I K H S I R A Y L A E L H P T K D N P R Y G L Y L S P | | | |
| UniRef90_C4ZE61 | R I K Q H I P I T D Y L Q Q Y T P T R V Q G V H Y W Y G S P | | | |
| UniRef90_X1BL5 | D K E K I L A S T D I P T L V R E L L P M K P V G T D Q V V N C V | | | |
| UniRef90_J6UEY8 | N I F Q T V K E N V T A R Q A A E Q Y G G L K V N K N G M I C C P | | | |
| UniRef90_R4K8E5 | T I Q A I K H S I R A Y L A E L H P T K D N P R Y G L Y L S P | | | |
| UniRef90_G9RVN1 | R I K Q H I P I T D Y L Q Q Y T P T R V Q G V H Y W Y G S P | | | |
| UniRef90_R5IUUV0 | D K E K I L A S T D I P T L V R E L L P M K P V G T D Q V V N C V | | | |
| UniRef90_W4PCB4 | N I F Q T V K E N V T A R Q A A E Q Y G G L K V N K N G M I C C P | | | |
| UniRef90_I4EV11 | T I Q A I K H S I R A Y L A E L H P T K D N P R Y G L Y L S P | | | |
| UniRef90_N0B936 | R I K Q H I P I T D Y L Q Q Y T P T R V Q G V H Y W Y G S P | | | |

50 60 70 80

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|------------------------|---|---------------------------|
| F H N E K T A S F C V | D T A K N L W F C H G C H E G G N | V I T F V M K M E N L P |
| F H E D A N P S L S V | T P N K K I F Q C F S C K V G G D V I | A F L T K I N K W S S |
| UniRef90_W5QSQZ8 | F H Q E K T P S L V I S P E K N I Y H C F G C G A A G S V V | D W M M K T E N F S S |
| UniRef90_W5UTK5 | F H A D N N P S F S V N P Q K N I C K K C F V C G A G G N P I | V D F S Y S K Y K K F P |
| UniRef90_D0FV1 | F H D E K T P S F K V D V N D R F F H C F G C H K S G D I L | I D F I Q A Y H E K V S |
| UniRef90_H1DBT9 | F H T N E R T P S F S V S P S K Q I W K D F S S G K G G N A I | A F L T F V Q K Y K K F P |
| UniRef90_A0A011UZH3 | F H Q D S N P S L S I S S T K K I F K C F S C C V C N V G G N A I | T F V Q K Y K K F P |
| UniRef90_U2C5X6 | L C Q A D N P S T T N T S N P P F W H C H R C H E G G D V Y T W L M L Y R S V D | V N P S G O S S |
| UniRef90_I4EFX3 | F H H D T N E S L S I S D K K Q I F K C F S C C G E A G G I V E F I | V A D Y K K I P |
| UniRef90_B5ZC01 | F H E D K N A S L T T N E T K K I Y K C F S C C G Q T G G S A I | Q K F K K I S |
| UniRef90_Q4A5V8 | F H E D K T P S F V V T P T K N L W H C M G C C G K G R N V I | D F V L M K K E G I |
| UniRef90_M6Q4Z9 | F H E E R T P S L A L V P N T N T W K T C F G C G K G R N V I | F D V V M Y R N N V |
| UniRef90_F8KTM4 | F H Q E K T P S M V L S P E K N L Y H C F G C G N E G G S V L | D W V M K T E S L L S |
| UniRef90_B6VN36 | F H Q E K T P S F S V T P S K N K F F C F S C C G A G G G I I | I Q Y L I L Y E K L G |
| UniRef90_UP100046313B5 | L H I D R T S S F S V T P S K N K F F C F S C C G A G G G I I | Q L I N N V E |
| UniRef90_UP10003705A4B | F H G E K T A S M S F T D E E N L F H C F G C C R E G G D I | F K Y I Q L I N N V E |
| UniRef90_J1F611 | F H K E K N P S F Y V P D P K G V Y H C F G C C G A S G N A V | T F F L A E I E G I S |
| UniRef90_I1A5X9 | F H Q D N T P S F T V S P S K K I Y K C F S C C A C S E S G N V I | T F F I K N H L G K N S |
| UniRef90_H8GVC8 | F H K E K S P S F Q V D T E Q G Y F Y C F G C K A G G D V F S F V | V Q R T E N L L S |
| UniRef90_Q7VGW9 | F H N E K T P S F I I S P T K G F Y H C Y G C C V G G G D A I | K F L M E Y E K L L S |
| UniRef90_B3QZV5 | F H S E K N A S F S V T P S E K N I A V C M S K K G R P I | E K I K K V S |
| UniRef90_UP10003614180 | F K D E K T P S C Q I K V S T Q K F I D Y S S G S Q N A V S | L L M E V K K M T |
| UniRef90_G8XA62 | F N N D R T P S F T V N K T K N N F V C Y S T Q K K G D G L | K F I M E I E N C S |
| UniRef90_X1KQC6 | F H E E K T P S F M I S T E K Q L F H C F G C G E G G N V F N F V | M K F E K V D |
| UniRef90_E0TJA0 | F Y N E K H P S L I V S P L Q K I W K D F S S S G K G N V V N F L | M E Y E K F N S |
| UniRef90_UP1000262C2D2 | F H A E K T P S F E V N D A K G A F Y C H G C G A A G D H F T | V L T K L D G M S |
| UniRef90_C7ISQ6 | F H N D K N P S M V I Y E E A Y H C F G C C G A H G D V I | D F V A E Y F N L E |
| UniRef90_F0QS43 | F H D D T R A S L S V S E E K N I F K C F S C C G V T G D A I | S F V M K K E N I P |
| UniRef90_I4EL75 | F H A D G R P N L T V Y P D S R S W Y C F R C G V G G D V I | R F I E Q I E G I |
| UniRef90_R0A340 | F H D D K N P S M M K L L N E E Y F Y C F G C C G A T G D V I | D L A S R L Y N L S |
| UniRef90_N9VV41 | F H S E K H P S F F V Y P E Q Q S W H C F G C C G A H G D V I | F S F V M K K E S M G |
| UniRef90_X0WTV5 | F H D D R T P S L K L D R R F H C F G C C G A D G D V I | D F A A R L Y N L S |
| UniRef90_R9N101 | F H K D T H P S M M K I Y P N G K G Y Y C F V C C G S G G D Q I | K F V A V Y Y G I S |
| UniRef90_R5L16 | F H D D K N P S M M K V D R R F H C F G C C G A D G D V I | D F V S R L E N V S |
| UniRef90_F7K2D3 | F H A E G T P S F K I H D G M E R F H C F G C C G K Q G G D V I | D F V R E V K G V D |
| UniRef90_J1SHA4 | F H D E N T P S F S V N D T K G L Y F C R G C C R A T G D I | I F H A A M N L V S |
| UniRef90_A3JHF5 | F H D E N T P S F S V N D T K G L Y F C R G C C R A T G D I | I F H A A M N L V S |
| UniRef90_E0ULT2 | V H E S K A P N L M V Y P D K K M F T C H D C G I G G N I | I D L V A R M E N C S |
| UniRef90_UP10003200C87 | L R K E R T A S F S V S Y D K N L W H D F G T G E G G S I | I D L V A R M E N C S |
| UniRef90_D8IFV1 | F H Q E A N P S M S V D D S K G I Y K C F T C H C G A K G N V F T Y L K E K E A M D | S |
| UniRef90_X0UW90 | S H E D E H P S A T I V Y C D E G R W W C H V C N Q G D D V I | G L V Q V V K G L S |
| UniRef90_R6GIY4 | F H R D T K G S F I V T P D K G M W K C H G D V I | S F V S L Y K N I T S |
| UniRef90_E6UKP4 | F H N E R N P S F K V Y E D H Y H C F G C G A H G D H T | D F V E K L Y G V S |
| UniRef90_UP100034B54BB | F C A D E G H A F V L E D D N I L T G N C F G C G E G G D V I | S F V V Q Q I D S L S |
| UniRef90_J0RT52 | F H N H S K D S F Y V T P S L N M Y K C F S T G K G G D G I | S F V V Q T Y K N V D |
| UniRef90_W3AKU2 | F H N D K H P S M K V D D D D H Y H C F G C G H G D V I | S F V V A R L K G L S |
| UniRef90_W4CZQ8 | F C C G K S D Y D N I K K K T Q T F K C E S C G A Y G N A I | H F L T R Y S G K T |
| UniRef90_D4M0W7 | F H D D K N P S M K V D Q R F H C F G C G E D G D V I | D F T A K F D L S |
| UniRef90_UP1000344F8D2 | F H D E K S P S F N V T P A K N L F Y C | |
| UniRef90_C3R8G3 | F R S D T S P S F K V F K Q K E N R W Y D F G D G T Y G R A V D L V M R V E N C S | |
| UniRef90_K0I0F2 | H H P D K A P S V S V Y P D G K R W K D W S T G E G G G P I V D M L M W A S G L D | |
| UniRef90_UP10003A806B3 | F U D D G H A F V L E D D N I L T G N C F G C G E G G D T I S F L Q R I D S L S | |
| UniRef90_D1W3Y4 | L R N E S T P S F K V N T E R N Q W Y D F G D G T Y G R A V D L V M R V E N C S | |
| UniRef90_C3R7V3 | Y R G E R T P S F R V N V A K Q L W Y D F G D G T Y G R A V D L V M R V E N C S | |
| UniRef90_R5KQ98 | F K D E K T P S F S V R R D P P L F Y D Y S S G G N L Y T F V K H Y Y N C S | |
| UniRef90_A2A033 | F H N D T K P S M E V F P K S D T T V F C H C F N C E V H H G K P I | D F V M H Q E K L S |
| UniRef90_T0IKG8 | W H G D S S P S L T L Y V D R N N W Y C Y G C Q K G G T V I D M V M V A L G V D | |
| UniRef90_D4KCJ8 | F H D D R H P S L K L N E D Y F Y C F G C G A K G D D V I | D F V A R L L D L S |
| UniRef90_X6Q4R3 | L R E D M H P S F K V D T E K N L W I D Y A E G K G G S I I D L Y M R L E G G C T | |
| UniRef90_K1T0M4 | F H N D R H P S L Y V A D D H Y H C F A C G E H G D V I | D F A A K L F G L P |
| UniRef90_C9RA92 | F H P D R E P S F Y V N P A K N V F F C F G C G A G G D G V I | E F V A R T L G L I |
| UniRef90_N9XJT0 | F H N D K N P S M K V D R R F H C F G C Q A D G D V I | D F A S R F H G I G |
| UniRef90_W2CHN8 | L R D E R H P S F K V D T E K N L W I D Y A E G C G G S I I D L Y M R L E G G C S | |
| UniRef90_W1R5K5 | L R K D N T P S F K V N T E R N Q W Y D F D S G E H G D I I D L V C A L H R C T | |
| UniRef90_A0MN41 | L H P E D T P S F H I D T N L G V F Y C F G C C N T G G N I Y Q F I S L V E H V P | |
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sol0
jhmm
inssm

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| UniRef90_G1VXU2 | Y R C D Q H S S L V I | D M F W N T E H V N G S A L E Y L K K I E G K T | |
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| UniRef90_U3ZQG9 | C H N G D S Y K L F Y | T P E S K T F H C Y S C G H I G S I D D L L I H I N K Y D | |
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| UniRef90_UP10003724931 | D H D S F K I F A D | T N F K W F S R D L Q G D V I R F V Q V M A E V S S | |
| UniRef90_UP1000375C67D | N C G G H D R Y E F | K S A T D G Y H M C R G C G A D G D V I N M I R K I H S C C | |
| UniRef90_R5E2G7 | W C A G V D R F S Y | T D K G K G D S F C R H C G Y H S G V D L L M K I F K F G | |
| UniRef90_U2ZG76 | E H D S F K I F A D | T N F K W F S R D L Q G D V I R F V Q V M A E V S S | |
| UniRef90_D2ET47 | L R E E R T P S F K | V N D N L N E W Y D F G L S A G G D I I D L L G R H L Y R T S S | |
| UniRef90_X5KVP2 | D R E E K I P S L A V | D F V K N K A F D F G N G K S Y D V I S I V Q Q I N R T K C | |
| UniRef90_A3WST4 | T R G N T R P S F K | I N S T G V W S D F A T G A G G D A I D L L I R K V N K C | |
| UniRef90_I6WWE2 | S C G G S D R F R F | D D G G R G S F I C N Q C G A G D G L D L L V V I K L K H C S S | |
| UniRef90_I0WCD1 | F R S E T Q A S L K | V S L K E N Y W I D F G S F E G G N V I D L L V V I K L K H C S S | |
| UniRef90_UP100047A852B | L R S E T H A S F K | V S K K L N R W Y D H G E G I I G G N V I D L L V V I K L K H C S S | |
| UniRef90_S6BZY2 | E H D S L V I T P | N R W K W F S R D L Q G G D V I A L V C K I T K S S | |
| UniRef90_R6SYV5 | E H D S L V I T P | N R W K W F S R D L Q G G D V I A L V C K I T K S S | |
| UniRef90_UP1000377FA3F | Y R R E A E I V I V | I H G G K G W F D P L S D A K G D V I S L V A H D G G S | |
| UniRef90_S9CQA2 | E H D S M V I T P A | T N K W Y W F S Q R Q G G D V I A L V E T I K E I G | |
| UniRef90_K1LJ17 | N Q Q E R T P S L L V | N Y V K N I I A F D F G T G K Q Y D I V V I Q D L K V G E E Y G L D | |
| UniRef90_C3WX73 | E H E D K N P S M S Y | F V P G K I C K C F A C G E K Y D I V V I Q D L K V G E E Y G L D | |
| UniRef90_D4LEK3 | E H D S L K I S | G C Q W F R F S E N K G G D N I G L L R E Y M D M S | |
| UniRef90_E7GC13 | W N R Y T S V T | G P E C G Q W F R F S E N K G G D N I G L L R E Y M D M S | |
| UniRef90_X2KM77 | F R D D N H P S F F V | N M N T G K W A D F A T D E C G D P V S L A A Y L A G T G | |
| UniRef90_UP1000373E29E | Y R E D E D P S F K | V N Y N N D T F G D S G T G D S G N F I E L V S R L Y E T D S | |
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| UniRef90_V4RPP7 | R R S D R N P S F R | V N M N T G K W A D F A T D E C G D P V S L A A Y L A G T G | |
| UniRef90_F0R6P0 | Y R E D E D P S F K | V N Y N N D T F G D S G T G D S G N F I E L V S R L Y E T D S | |
| UniRef90_U5QK07 | F H G G D S G V I L | H D G R R N L L F K C H Q K Q A F D A I D L V V Q Q L Q N L S | |
| UniRef90_I2GU77 | F R E E A E P S F H | A S I G R W I W K D F G D E G G T V I D F V M R Y Q G Y T | |
| UniRef90_UP100047E2CEB | S C G G G K R S F C | V D L T E T Y H C F K C E L K G R F S Q L Y A E L H N M D | |
| UniRef90_D3UWK5 | I C G G T D R F H M | D D H G R Q C D E L K G R F S Q L Y A E L H N M D | |
| UniRef90_UP10003A4E0D3 | K F R R G G E I I V | T H M D D H G R Q C D E L K G R F S Q L Y A E L H N M D | |
| UniRef90_UP10002F4021A | K R S D R K P S F S V | N L N T G R W A D F A Q A R G G D V I S L V A A Y L A G T G | |
| UniRef90_J9R7C0 | F S E D Q N P S F K | V F K N G T F K C F S T G K Q G D V W Q F V A D I K G L D | |
| UniRef90_C0FRA4 | W K R H G S V T | F T R G N R W Y R H S Q Q M G S H A I I D F M Q E F F G M S | |
| UniRef90_U2D311 | F K I E G Y G G L Y | I V T H E G R G W F P L S D A K G D V I S L V A A Y L A G T G | |
| UniRef90_R5LMM8 | D H D S L K M S | N G K W F W W S Q G F G G Y G A I Q F V M E I E N K T S | |
| UniRef90_E6UFL1 | D G S G K H D S I M I | N G S K W Y D H K R Q I I G G G A I K F M Q E F Y G M D S | |
| UniRef90_X0SR13 | Q H D S L V V N T | R R N Y F S W N S K N I S G N A V T Y L M N V H D M S C | |
| UniRef90_CM857 | F H P S C V I D | R R N Y F S W N S K N I S G N A V T Y L M N V H D M S C | |

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