```
                    1         10        20        30        40
QUERY                   E A E F G K E C D C S S P E N P C C D A A T C K L R P G A Q C G E G L C C E Q C
UniRef90_UPI0003597DAC  V E R G E E C D C G S P E D C C C D P T T C L L Q P W A Q C R T G P C C S N C
UniRef90_L9KWW6         V E R G E Q C D C G P P E S C C C N A T T C Q L A E G A C A R G T C C H E C
UniRef90_Q7SZD9         E A G E E C D C D S P G N C C C D A A T C K L R P G A Q C A E G L C C E Q C
UniRef90_E9JG90         V E K G E E C D C G S L R N P C C D A T T C K L K P G A E C G E G M C C N Q C
UniRef90_B4NJU2         V E P G E Q C D C D L P N H C C C N A H T C M L H S N A S C A T G E C C D T C
UniRef90_L5MDT0         V E Q G E Q C D C G Y P Q D C C C N T T T C Q L A E G A E C A H G A C C H E C
UniRef90_Q7SZE0         E T G E E C D C G T P A N P C C D A A T C K L R P G A Q C A E G L C C D Q C
UniRef90_UPI00042BA25F  V E R G E Q C D C G T P K E C C C N A T T C R L S D G A E C A Q G E C C Q W C
UniRef90_UPI0003C8675A  V E H G E Q C D C G S P Q D C C C N A T T C L L A E G A E C A H G A C C H E C
UniRef90_UPI000265723A  V E D E Q C D C G S I E D C C C D P I T C R L R M E A N C S A G A C C E N C
UniRef90_B3SAV5         E T G E E C D C G S P A E C C C N A S T C K L H A S A Q C A T G P C C S N C
UniRef90_UPI00038BD622  K V D E G E E C D C G S V Q E C C C D A R K C V L K P G F T C V E G E C C Q S C
UniRef90_L8Y5H6         V E E N E E C D C G S R E D C L C C Q S N C R L K R G A N C S I G L C C H E C
UniRef90_L9KRV9         V E E G E Q C D C G S C E N D P C C L P N C S M K P G A T C A F G L C C K D C
UniRef90_B5DVG7         V E P G E Q C D C G L P E H C C C N A T T C M L H T N A S C A T G E C C D L D
UniRef90_W5K7Z6         V E K G E E C D C G T V E C C C N A T S C R L T E G S A C A H G E C C H N C
UniRef90_F7CNC9         D V G E E C D C G S P K E C C C E P S T C K L K S G A E C A Y G D C C K N C
UniRef90_E0VJV8         V E P G E Q C D C G L P H N P C C N A T T C M L F A N A S C A T G E C C D F E
UniRef90_UPI0002234A04  E V E Q G E Q C D C G S A E D C C C S S G T C T L T P G S Q C A H G E C C H N C
UniRef90_UPI00032B145F  V E E G E E C D C G S L Q E C A C C M T T C S L K P G A A C G H G A C C K K C
UniRef90_H9JMS7         I E P G E Q C D C G S D C H R C C H P T T C M L R A N A T C G A G T C C D T C
UniRef90_P83912         E V G E D C D C G P P Q N P C C D A A T C R L T P G S Q C A D G L C C D Q C
UniRef90_F6UN04         E D G E E C D C G D I E E C C H A H N C T L R E G A Q C A Q G D C C A H C
UniRef90_Q05910         V E H G E Q C D C G T P Q D C C C N A T T C Q L V K G A E C A S G T C C H E C
UniRef90_Q4VM07         V E V G E E C D C G S P A N C C C D A A T C K L R P G A Q C G D G V C C Y Q C
UniRef90_Q60411         V E Q G E D C D C G S Q E E C C C D A A T C R L K S T S R C A Q G P C C N Q C
UniRef90_G1L9Q0         V E R G E Q C D C G P P Q N P C C N A T T C Q L A A G A Q C A Q G S C C R D C
UniRef90_UPI00033304C7  K V D E G E E C D C G P V Q E C C C D A Q K C M L T L G S S C A E G E C C E S C
UniRef90_B3VML7         E E G E Q C D C G D P E N P C C N A T T C T L M P G A D C A H G S C C L R C
UniRef90_UPI000388D96D  V D A G E E C D C G S P K E C C C E S D T C K L R A G A E C A Y G D C C K K C
UniRef90_UPI0003F0DBC7  E R G E Q C D C G S P Q E C C C N A T S C H L V P G A A C A Q G P C C D K C
UniRef90_UPI0003599846  E E G E D C D C G E V E E C C C N A H N C T L K E G A Q C A H G D C C H S C
UniRef90_UPI000333E203  V E E G E E C D C G S L E F C T C C L T N C T L Q S G A Q C A F G L C C K K C
UniRef90_UPI000359C51A  V E R G E Q C D C G T P E E C C C N A T T C Q L R E G A E C A R G E C C Q D C
UniRef90_UPI0003ADA6B3  Q V E Q G E Q C D C G S A E D C C C N P A T C T L K V G S I C D T G A C C K N C
UniRef90_T1DEB4         E A G E E C D C G S P Q N P C C D A A T C K L T P G S Q C A K G L C C D Q C
UniRef90_UPI0004445192  E P Q E E C D C G S L K L C A C C Q S N C T L R P G A N C A S G L C C K D C
UniRef90_W8B9I5         V E P G E Q C D C G L P E N T C C D P Y T C M L H T N A S C A T G E C C S T C
UniRef90_UPI00034FDCAE  V E T G E E C D C G S P Q E C C C Q A A T C K L T S G A Q C G Q G L C C E N C
UniRef90_T1KYW3         I D E G E E C D C G G F Q D P C C D P I T C K L K V E S E C S T G P C C V N C
UniRef90_H2UFE8         E A G E E C D C G T V E E C C C N A T T C K L A A G A R C A A G E C C H G C
UniRef90_UPI0003EAA3B4  V E P G E E C D C G L C E D P C C N A T T C R L V P G A Q C S S D I C C E N C
UniRef90_H0XQL7         V E E N E E C D C G S K E D C E C C L A N C T L K Q G A N C S T G L C C H E C
UniRef90_UPI000333CDCA  K L D E G E E C D C G S I Q E C C C D A E K C M L K P G F T C A E G E C C K S C
UniRef90_Q967H9         E V G E E C D C G T V E E C C C I P A T C R L H E N A T C A V G E C C E D C
UniRef90_B1H1S1         E I G E D C D C G T V E E C C C D A A T C K L M P T A K C A E G E C C D N C
UniRef90_V5IWF4         V E E G E E C D C G S V K Q C P C C L L N C T L S P G S A C A F G L C C K D C
UniRef90_UPI00038EEDC6  V E V G E D C D C G T P E E C C C D A K T C K I K A G F Q C A S G G C C E K C
UniRef90_UPI00022CA50F  I D D G E Q C D C G S I E E C C C D P I T C R L T S E A E C A S G P C C S D C
UniRef90_G1MA70         K V E R G E V C D C G T E E Q C C C N F R T C T L K P G S Q C D V G L C C R N C
UniRef90_UPI0003C444BA  E V E D T E Q C D C G S F K E C T C C K T N C Y F T P G S I C N R E T C C T N C
UniRef90_A8QL59         V E E G E E C D C G P P E N E C C E A A T C K L K P E A Q C A S G A C C E E C
UniRef90_UPI00027FBF13  E A G E E C D C G T E E N C C C D S A T C R F K A G F K C A E G P C C E N C
UniRef90_B3SAV4         E S G E E C D C G S V R E C C C N A A T C K L Q S F A E C A S G S C C A N C
UniRef90_UPI0003317827  V E P G E Q C D C G F P D D P C C D Y F T C Q L R P G A Q C S Q E S C C Q N C
UniRef90_F7B972         E Q G E E C D C G S V Q E C C C D P T T C K L R R E N A E C L S G L C C K D C
UniRef90_E9JG30         E E G E E C D C G S P E D C C C E A E T C E L Y P G A V C E D G L C C D K C
UniRef90_X1WJB8         V E D G E D C D C G T K D N P C C N P E T C K F R N N S V C A T G Q C C D T C
UniRef90_V5Z141         V E Q G E E C D C G T P E N C C C D A A S C K L K S G S Q C G H G E C C E Q C
UniRef90_UPI0002740335  V E A G E E C D C A P G Q D C C C F T H N C S L R V G A Q C A H G A C C E N C
UniRef90_I3KGG4         E Q G E Q C D C G K P Q E C C C N A A T C T F T R G S A C A H G A C C E N C
UniRef90_UPI0004544D10  V E G G E E C D C G T V E D P C C Q F N C R L R P G T T C A A G G C C E S C
UniRef90_E9JGA6         V E V G E E C D C G S P T N P C C D A A T C K L K P G A E C G D G M C C D Q C
UniRef90_H2YZ96         V E M G E E C D C G G I E E C C C N A T T C K L N P G A K C E T G P C C L S C
UniRef90_UPI00046B5965  V E E K E E C D C G P L K N C A C C M P N C T L V D G A T C A H G L C C K N C
UniRef90_S7Q482         V E D E E C D C G S L E D C C C E P G C R L R P G A N C S F G L C C S E C
UniRef90_I3MYD2         V D A G E E C D C G S S Q Q C A C C H S N C T F S P G S S C S S G L C C K D C
UniRef90_W5MA26         E P G E E C D C G T V E E C C C N A T T C T L T E G A Q C A Q G E C C Q A C
UniRef90_G3X3D8         V E K G E Q C D C G S E K D C H C C Q S N C R L S P G A N C A L G H C
UniRef90_UPI00038BFF65  V E E G E Q C D C G S L A S C L C C S E D C V F R P N A E C A Q G L C C K D C
UniRef90_UPI0001CE1E5B  V D N E E E C D C G S I Q E C T C C M L N C T R K P G A A C V S G S C C E D C
UniRef90_R0JL30         V E K G E E C D C G T A E E C C C N P E T C K L T A G S K C A H G E C C E N C
UniRef90_W5QJ78         V E E G E E C D C G T V Q Q C H C C L P D C T L K P G A A C A F G S C C K N C
UniRef90_UPI000359CACF  V E S G E Q C D C G S P A N C P C C H T N C T F T A G S V C A S G K C C K N C
UniRef90_P0DM87         V E V G E D C D C G P P A N C C C D A A T C R L T P G S Q C A E G L C C E Q C
UniRef90_W5LH28         E Q G E E C D C G T P G N C C C D A A T C R L T R G S T C A A G S C C K D C
UniRef90_F7FQP8         I E K G E E C D C G I I E E C M C C Q I D C K L R P G A Q C N T G L C C T N C
UniRef90_P34182         E A G I E C D C G S L E N P C C Y A T T C K M R P G S Q C A E G L C C D Q C
UniRef90_D2I7X7         V E E G E E C D C G T V H Q C V C C L L N C T L K P G A T C T F G I C C K D C
UniRef90_G4NAC1         V E A G E E C D C G G P D N P C C D A K T C K L T S G S T C D F E C C D R Q C
UniRef90_UPI000443229F  V E E G E E C D C G S K A Q C P C C Q Q G C I L S K G A E C S T G L C C K D C
UniRef90_B9VR87         V E K G E E C D C G T L Q A C C C N A T T C R L T E G S E C A H G E C C N Q C
UniRef90_UPI0003346B15  V E E G E Q C D C G A G Q D P C C F A H N C S L R A G V Q C T Q G D C C A R C
UniRef90_E9JGB7         V E E G E Q C D C G S C R N P C C N A T T C K L T P G S Q C A D G E C C N Q C
UniRef90_A2RSG8         V E E G E E C D C G S T E S C C C S S D C V L K P G S Q C A E G L C C N D C
UniRef90_UPI00042ABCDB  V D D G E E C D C G S W K K C T C C M R G C T L K H G A A C A F G L C C K D C
UniRef90_UPI0003332505  V E I G E D C D C G T P E E C C C D A K A C K V R V G F Q C A L G E C C E K C
UniRef90_U3I0H9         I D E G E Q C D C G G P Q N H C Q C C Y Q D C R L K P G A V C S V G Q C C Q K C
UniRef90_Q9R160         V E E G E Q C D C G S S E N C R C C M P S C T L R S K A K C D T G C C N R K C
UniRef90_E0W1A6         V E E G E M C D C G T I E E C C C D P I T C K L T S E S E C A S G P C C E N C
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Multiple sequence alignment (positions ~50–70). Columns highlighted correspond to conserved cysteine (C) residues.

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                               50              60             70
QUERY                     K F S R A G K I C R I A R L D D L D D R C T G Q S A D C P R Y H
UniRef90_UPI0003597DAC    S Y L P S S H M C R P S S E C D V P E F C D G R S W D C P N N
UniRef90_L9KWW6           K V K P A G E L C R P A G E L C D L E E F C D G Q Q P E C P E D
UniRef90_Q7SZD9           R F M K E G T V C R I A R G D D M D D Y C N G I S A G C P R N
UniRef90_E9JG90           R F A T A G T V C R P A S E C D V A E Y C T G Q S A E C P T D H
UniRef90_B4NJU2           R P K M A G K P C R E A N E C D L P E Y C T G E S E Y C P K D
UniRef90_L5MDT0           R V K P A G K L C R P P K D C D L D E Y C D G Q R P S C P E D
UniRef90_Q7SZE0           K F T R A G K I C R R A R G D N P D D R C T G Q S S D C P R N
UniRef90_UPI00042BA25F    K V K A A G V L C R A S K N C D L P E H C T G L S A E C P E D
UniRef90_UPI0003C8675A    R V K P A G E P C R P E K D C D L G E Y C D G Q Q P A C P E D
UniRef90_UPI000265723A    K L K P A G H L C R P E S E C D F P E F C D G K T G C P T D
UniRef90_B3SAV5           T F K Q R S T L C R A S N D C D L P E Y C S G N S A E C P T N
UniRef90_UPI00038BD622    Q I K K E G T V C R P A K N C D F P E M C T G H S P E C P K D
UniRef90_L8Y5H6           R F R P S G Y M C R E E N E C D L A E Y C N G N S S N C P K D
UniRef90_L9KRV9           Q L V P S G E V C R E S N E C D L P E W C T G H S H E C P V D
UniRef90_B5DVG7           K C R P K G S A C R E A N E C D L P E F C T G E S E Y C P T D
UniRef90_W5K7Z6           Q L K Q A G S V C R A A H D C D L Q E Y C T G E S A Q C P K D
UniRef90_F7CNC9           R F L P G G T L C R P A N E C D L P E Y C N G S S Q F C
UniRef90_E0VJV8           T C K P K G I E C R S A E H C D L P E Y C T G E S E Y C P S D
UniRef90_UPI0002234A04    N F K V K G E V C R S A M D C D L N E Y C N G S S A A C Q E D
UniRef90_UPI00032B145F    K L L P S G T V C R E K T N C D L P E W C N G T S P E C P D D
UniRef90_H9JMS7           R P K S A G T V C R R S K E C D L P E Y C T G Q S E F C P D D
UniRef90_P83912           R F M K K G T I C R I A R G D D L D D Y C N G I S A G C P R N
UniRef90_F6UN04           S L K P A G T L C R E A G D C D L P E Y C T G A S P H C P
UniRef90_Q05910           K V K P A G E V C R L S K D C D L E E F C D G R K P T C P E D
UniRef90_Q4VM07           K F R R A G T V C R P A N G C D V S D L C T G Q S A E C P T D
UniRef90_Q60411           E F K T K G E V C R E S T D C D L P E Y C N G S S G A C Q E D
UniRef90_G1L9Q0           R V T P A G E L C R P P K D C D L E E Y C D G Q R P A C P E D
UniRef90_UPI00033304C7    Q M K K E G A T C R P A K N C D I P E L C T G H S P E C P K N
UniRef90_B3VML7           K L R P P G F P C R P S R P C D L P E F C T G H S A V C P S N
UniRef90_UPI000388D96D    R F L P G G T V C R A S T N C D L P E Y C N G T S H F C Q Q D
UniRef90_UPI0003F0DBC7    Q V K P A G E L C R G R K D C D L E E Y C D G H G P E C P K D
UniRef90_UPI0003599846    K L K V A G T L C R E A A G C D L P E F C T G A S P Y C P
UniRef90_UPI000333E203    K L M P S G S V C R E K N D C D L P E W C N G T S H E C P K D
UniRef90_UPI000359C51A    K V K A A G A L C R A S N D C D L A E H C S G L S A E C P E D
UniRef90_UPI0003ADA6B3    Q Y S A K G E I C R I S T D C D L P E Y C N G S S A T C Q D N
UniRef90_T1DEB4           R F K G A G T E C R A A K D C D M A D L C T G Q S A E C P M D
UniRef90_UPI0004445192    K I L P A G T V C R A A E N C D L P E W C N G T S Y L C P E D
UniRef90_W8B9I5           R P K A A G Q A C R A E N E C D L P E F C T G E S E Y C P A D
UniRef90_UPI00034FDCAE    Q F K V A G T P C R S I A D C D L P E Y C N G T Y A L C P V D
UniRef90_T1KYW3           K L K N E G H I C R D A R D C D I P E V C D G K H G S C P P
UniRef90_H2UFE8           Q L K P T G S V C R E K S D C D L E E F C T G F S A S C P T D
UniRef90_UPI0003EAA3B4    K L R A A G S V C R E P S E C D L P E H C S G D S P Y C P P N
UniRef90_H0XQL7           R F R P S G Y V C R E K N E C D L A E Y C D G N S S Y C P R D
UniRef90_UPI000333CDCA    Q L K E A G A M C R P A R D C D F P E V C T G H S P R C P K D
UniRef90_Q967H9           Q L K K A G E V C R D S N M C D L P E Y C T G L S A E C P
UniRef90_B1H1S1           Q I K K P G D V C R A A K D C D L A D F C D G M S P V C P S D
UniRef90_G1Q161           K L M P S G T L C R Q Q S E C D L P E W C N G T S H Q C P E D
UniRef90_V5IWF4           R F R T A G T E C R A A R E C D F P E H C T G Q S A E C P T D
UniRef90_UPI00038EEDC6    Q L K K A G T V C R S A R H C D L A E M C D G K S S R C P D D
UniRef90_UPI00022CA50F    K L L P R G V V C R E S T N C D L P E V C T G E N G Q C P A D
UniRef90_G1MA70           Q I E R A G V L C R G Q R H C D F P E F C D G N S P D C P Y D
UniRef90_UPI0003C444BA    T Y A P S G T L C R P I Q N C D L P E Y C M G K D A R C P
UniRef90_A8QL59           Q F R R A G E L C R A A K D C D L D E L C T G Q S A E C P M N H
UniRef90_UPI00027FBF13    L F S S K Q R E C R S A F D C D L P E Y C N G S S A S C P E N H
UniRef90_B3SAV4           K F K A R S T L C R K A N D C D L P E Y C S G T S A D C P
UniRef90_UPI0003317827    Q L R P A G W Q C R P A R D C D L P E F C G D S A Q C P A D
UniRef90_F7B972           R L L P K G T L C R P K T E C D L A E Y C D G A S S H C P L D
UniRef90_E9JG30           K F R T A G T E C R K A S D C D V P E Y C T G Q S A D C P R N
UniRef90_X1WJB8           R Y K F A G V E C R S A T H C D L P E Y C D G H S E Y C P D N
UniRef90_V5Z141           K F S T S G T E C R A A S E C D L P E Y C T G Q S I H C P T D
UniRef90_UPI0002740335    L L K P A G E L C R A A G E C D L P E F C T G S S P T C P P D
UniRef90_I3KGG4           Q L K V A G T P C R D S V N C D L P E Y C N G R N E S C P N D
UniRef90_UPI0004544D10    Q I L P P G R L C R P A S D C D L P E F C D G V S A R C P A D
UniRef90_E9JGA6           R F R P A G T E C R G S S D C D V P E Y C T G Q S A E C P L D
UniRef90_H2YZ96           Q Y S P P G H V C R D N K D C D L A E Y C T G F S A N C P
UniRef90_UPI00046B5965    K F L P S G V L C R K E I N C D L P E W C N G T S H K C P D D
UniRef90_S7Q482           Q F R P S G Y M C R E E T E C D L A E Y C D G T S S F C P N D
UniRef90_I3MYD2           K F R P P G T L C R P A S K C D L P E W C N G T S H E C P D D
UniRef90_W5MA26           K L K P A G V V C R K S A D C D L D D F C S G L S A E C P K D
UniRef90_G3X3D8           K I V A A G Q L C R A Q S N C D L P E Y C N G V S P W C P A D
UniRef90_UPI00038BFF65    K F K P P G T V C R R S K N C D L P E W C N G N S A E C P E D
UniRef90_UPI0001CE1E5B    K F M P P G T L C R E Q V N C D L P E Y C N G T S H E C P D D
UniRef90_R0JL30           Q Y K A A G T V C R A V K D C D L P E M C T G Y S G N C P S D
UniRef90_W5QJ78           K V R S T G T L C R K Q I N C D L P E W C N G A S H Q C P E D
UniRef90_UPI000359CACF    Q F L P A G T L C R A S T G C D L P E Y C N G I S P Q C P L D
UniRef90_P0DM87           R F S T E G K L C R E A K G D W N N D Y C S G Q S G D C P R N
UniRef90_W5LH28           Q L S V S G T P C R D S V N C D L P E F C T G G S G F C P P D
UniRef90_F7FQP8           H F S P S G H K C R E E Q N C D L A E F C N G T S N F C P T D
UniRef90_P34182           R F M K K G T L C R V S M V D R N D D T C T G Q S A D C P R N
UniRef90_D2I7X7           K F M P S G T L C R H Q N E C D L P E W C N G T F H Q C P E D
UniRef90_G4NAC1           K F A S A G T V C R A S I G C D P A E T C S G T S G V C P N N
UniRef90_UPI000443229F    K I L P A G R V C R G A N E C D L P E Y C N G T S G F C P D D
UniRef90_B9VR87           K L K Q A G S L C R P A H D C D L E E Y C T G K L A Q C P K D
UniRef90_UPI0003346B15    L L K P A G T P C R A A G D C D L P E F C T G T S P Y C P P D
UniRef90_E9JGB7           R F R P A R T E C R K I D D C D V P E Y C T G Q S E C C P L D
UniRef90_A2RSG8           Q F L K T G T V C R E K N E C D L P E W C N G T S A E C P G D
UniRef90_UPI00042ABCDB    Q I M P S G T V C R K E N E C D L P E W C D G H S H E C P K D
UniRef90_UPI0003332505    N L K K A G M V C R P A K N C D L P E M C D G K S G L C P D D
UniRef90_U3I0H9           R F R A A G Y K C R P E V D C D L P E Y C N G T S E W C P E D
UniRef90_Q9R160           Q I Q P S G T L C R P E V D C D L P E Y C N G T S E W C P E D
UniRef90_E0W1A6           R L R S R G V T C R D A V N C D L P E Y C N G E T G F C P V D
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Multiple sequence alignment (residue positions 1–40):

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                              1         10          20          30          40
UniRef90_UPI00033172EE     V D E G E Q C D C G T I Y Q C A C C L L N C T L K P G A V C N R G M C C K N C
UniRef90_Q811Q4            V E D K E Q C D C G S L R N C T C C M S N C T L S T G S S C A F G L C C K N C
UniRef90_UPI0004546F68     V E E G E Q C D C G S L E S C S Q H C V V K P G A E C A T G L P C C K N C
UniRef90_F6YML0            V E E G E C D C G S L T E D H C C T L I P E A D C A F G L C C Q D C
UniRef90_I3KP30            V D P G E E C D C G T V E E C C C D A S T C R L T A G S Q C A Q G Q C C E K C
UniRef90_Q9PT48            V E K K E E C D C G P P G E C C C D A A T C K L L P G A K C D S E E C C E Q C
UniRef90_UPI0003833EB7     V D E G E Q C D C G G L D D P C C L P S C R L K P D A V C S I G Q C C H R C
UniRef90_UPI0003347EBB     V E E N E Q C D C G S G E E C K C C Q A D C K L R R G A N C S T G L C C D N C
UniRef90_UPI00046BB9F2     V E E G E E C D C G C I D D P C C E S D C T L S P G A A C A F G G C C K D C
UniRef90_F7GGC6            V E I G E E C D C G S S E E C C C D A A T C K I K P N F K C A F G E C C E K C
UniRef90_L5KMM6            V E E G E Q C D C G E P E E C C C N A T T C T L K P D A V C A H G L C C E N C
UniRef90_F6XAI3            E E G E Q C D C G E P E E C C C N A N N C T L K A G A K C A H G E C C Q D C
UniRef90_UPI0003F0582A     V E E G E E C D C G T S R D P C C L P D C T L K P G A A C A F G L C C K D C
UniRef90_UPI0002C64C28   Q V E Q G E E C D C G S E E E C C C E A S T C R L S R G S D C A D G L C C S Q C
UniRef90_UPI0003287F1E     V E E T E Q C D C G S F K K C Y C C T T N C E L T P G S H C D I E L C C T N C
UniRef90_G1QNI3            V E R G E Q C D C G P P E D C C C N S T T C Q L A E G Q C A H G T C C Q E C
UniRef90_Q28660            V E A G E M C D C G T A E E C C C N S A T C R L E V G S Q C A E G E C C E N C
UniRef90_V8PF09            V D K E E Q C D C G S E A Q C K C C Q S N C T F R S G V S C A F G E C C D K C
UniRef90_V8PF09            V D K E E Q C D C G S E A Q C K C C Q S N C T F R S G V S C A F G E C C D K C
UniRef90_UPI000443172D     E R G E E C D C G L P G E C C C N P N T C R L A S G A Q C T E G E C C Q A C
UniRef90_F1P168          I D N D E E C D C G K P Q E C C C D A A T C K L T S G S Q C A Q G L C C K N C
UniRef90_B8K1W0            E R G E E C D C G S P E N C C C D A A S C K L H S W V E C E S G K C C N Q C
UniRef90_L9KR02          I E Q E E E C D C G S L E D P C C M E N C T L V P G A A C A F G L C C Q D C
UniRef90_UPI0003F09BDA     V E E E E C D C G S L D N C T C C Q S N C T L R L G A M C A F G L C C K D C
UniRef90_M4AMI8            D Q G E E C D C G T K E E C C C D A A T C K L T R G S S C A H G A C C D K C
UniRef90_M4A7N5            E K G E Q C D C G S V Q E C C C N A T S C T L T A G S Q C A E G E C C D N C
UniRef90_UPI00046BC52E     V E E G E E C D C G A L H D P C C E S N C T L S A G A A C A F G G C C K N C
UniRef90_UPI000329273E     V D P G E E C D C G T P K E C C C N A T T C K L R E G V E C A Y G D C C K N C
UniRef90_B0VXU5            E A G E E C D C G S P A T C C C N A T T C K L H S W V E C E S G E C C E Q C
UniRef90_G5E6C5            V E A G E E C D C G S L K D P C C Q L N C T V T A G V N C A F G L C C H N C
UniRef90_H2XTH9            V E A G E Q C D C G F P G S C C C N A A T C M L W P S A Q C N K G C C Y N N C
UniRef90_UPI0002C54C4E     V E G N E E C D C G S R E D C C C E P D C K L A R S A N C S T G L C C H K C
UniRef90_F1S8C4            V E E G E E C D C G T G Q E C C C L A H N C L R A G A Q C T H G D C C A Y C
UniRef90_S4RH24            V E D G E Q C D C G E I E E C C C N A N N C T L R A G A E C A H G M C C Q D C
UniRef90_U5HIY0            E A G E E C D P G G Q T D P C C D A S T C K F V S G A V C S N S L C C N S C
UniRef90_UPI0003C19271     E E G E E C D C G S A K D P C C Q S D C T L R V G A T C A F G L C C E N C
UniRef90_Q2UXQ1            E V G E E C D C G S P Q D P L C D A A L C K L H L W V E C E S G E C C Q Q G
UniRef90_UPI0003ACCBC6     V E E T E Q C D C G S F K Q C Y C C N S N C R F T T G S A C D T G R C C T N C
UniRef90_V9KHK4            D P G E Q C D C G T A E E C C C N F T T C R F N D G M E C S D G E C C Q N C
UniRef90_O77780          K V E E G E Q C D C G N K K A C C C V A D T C R F Q P G S A C D T G L C C E S C
UniRef90_M3Z647            V E G E E E C D C G S E Q D P C C L L N C T L R P G A A C A F G L C C K D C
UniRef90_UPI00020F5819     V E E G E E C D C G S D E D C S C C K P G C T L R P H A D C T S G P C C I K C
UniRef90_H3CL06            V E K G E Q C D C G L V E D C C C N A S T C Q L L P G A Q C S S Q I C C H Q C
UniRef90_UPI0003F1154E   K V E S G E I C D C G T E E Q C C C N P K T C V L N Q G S Q C D R G L C C K G C
UniRef90_C7Z8Y5            V E P G E A C D C G G E E G C C C N P S T C Q L Q S G A A C D P A C C T D Q C
UniRef90_F6R6L6            V D P G E Q C D C G F A D E C C C N Y L T C Q L R P G A Q C S N G P C C R N C
UniRef90_UPI0003440A0B     V E I G E A C D C G T E E Q C C C N P H T C M L K P G S Q C A A G L C C R N C
UniRef90_W5NE87            D L G E E C D C G S E K D P C C E A K T C K L K S G A Q C A D G V C C K N C
UniRef90_UPI00042BFA0B     V E E E E C D W G S I E D C K C C K S D C K L T P G A S C G A G L C C P N C
UniRef90_UPI000214B5EE     V E E D E Q C D C G S A C D P C C D P A C K L K E G A E C S D G L C C L N C
UniRef90_F6VBC2          I E M G E D C D C G G V D E C C C N A T T C K L I S G A S C D T G P C C F G C
UniRef90_UPI00038E98C1     V E K D E E C D C G C A E D P C C L P N C T L S Y G A T C A F G L C C K D C
UniRef90_Q811Q3            V E N K E E C D C G S K E D C L C C G P D C K W K E G V N C S S G L C C H K C
UniRef90_UPI00032AD8B6   E V E A N E Q C D C G S F K Q C Y C C Q N D C R F S P R S V C N K E K C C T N C
UniRef90_S9YCY6            V E H G E Q C D C G S P Q N H C C N A T T C L L A E G A E C A H G A C C H E C
UniRef90_UPI00045E1785     V E E N E D C D C G S R A E C K C C Q P D C K L K P S A N C S T G L C C H N C
UniRef90_UPI0003C8FCCF     V E P G E Q C D C G L S E E C C D Y F T C Q L K P G A A Q C S D G L C C H N C
UniRef90_G1U3U1            V E E G E E C D C G S S Q E C S C C L M D C V L K P G V A C A F G G C C K D C
UniRef90_UPI0003F1AB49     V E D E E E C D C G P L Q S C A C C L S N C T L S F G S T C A F G L C C K D C
UniRef90_F6X1B5            E T G E E C D C G P P D N K C C N A A T C R L Q P G A K C S L G Q C C S G C
UniRef90_F7CZK6          Q V E Q G E Q C D C G S E E E C C C E A G T C R L S A D S E C A E G E C C D A C
UniRef90_E4ZP09           V E G D E Q C D C G S E Q N P C C D P T T C R F R N N A V C D N E D C C R N C
UniRef90_Q9R159            V D D G E Q C D C G S A K D P C C K P S C T L K D G A A C A F G L C C L Y C
UniRef90_D2I279          Q V E Q G E Q C D C G N E E G C C C N P D T C M L K Q G S I C D T G E C C T D C
UniRef90_T1JKJ7           V E H G E E C D C G L P H N P C C N A S S C T L F A N A T C A T G E C C S T C
UniRef90_F8S108           V E V G E E C D C G S P R D P C C D A T T C K L R Q G A Q C A E G L C C E N C
UniRef90_G1PQV5          K V E D G E T C D C G T A D E C C C D S T T C A L K A G L A C L T G A C C T K C
UniRef90_G1PHY5          K V E T P E V C D C G T E D Q C C C D P K L C V L K A G S A C D T G L C C S N C
UniRef90_G1TQI8            V D G N E Q C D C G T Y K Q C A C C F T N C T L K P G A V C A S G L C C K D C
UniRef90_UPI00045434CA     V E Q D E Q C D C G N P I E C C C D P S N C K L K P E A Q C A H G L C C K N C
UniRef90_UPI00038EAA82     V E A P E Q C D C G S A C D P C C E P T C T L K E H A Q C G H G L C C D N C
UniRef90_E7FGJ0            V E K G E E C D C G L L D E C C C N A S T C K L V P G A Q C S S D I C C E N C
UniRef90_R7SCM2            V E E G E E C D P G S N T S P C C D A S T C K F T S G S V C D P S C C T S T C
UniRef90_UPI0003332264   Q V E P G E I C D C G S Y E T P C C N P A T C G L K P G S V C A N G P C C E N C
UniRef90_U9T8S0            E D N E E C D C G T S D D C C C D S S T C K L K S N A V C K N D M C C R N C
UniRef90_J9VSJ4            V E D G E D C D P G G N T S S C C D S S T C K F T S G A V C D P S C C T S S C
UniRef90_H0V5K5            V D E G E L C D C G T F K Q C Y C C Q T T C M F T A G S I C D G Q D C C T N C
UniRef90_UPI0003D0F1D4     V E T G E E C D C G S D R D P C C E L N C T L S A S A A C A F G D C C Q D C
UniRef90_UPI00042CB6B1     V E G N E A C D C G S E A D P L T C V L K P D N E C S E G S C C N D C
UniRef90_UPI0003D0713E     D K N E E C D C G K P E E C C C D A A T C T L K S G S Q C A D G L C C E N C
UniRef90_UPI00045D9C1A     V E A A E Q C D C G S F K Q C Y C C R S D C K L I P G S V C D E G R C C T N C
UniRef90_UPI00042C60C0   K V E E G E Q C D C G N Q E D S C C N Q A T C R L N V G S A C A A G P C C D A C
UniRef90_UPI00033470A2     V E E G E E C D C G C I N E C A C C Q S D C T L S P G S T C A F G L C C K Y C
UniRef90_U3ICD1           E K G E E C D C G S D E A C C C F S S T C S L A P G A S C Y R G E C C H K C
UniRef90_UPI000328F282     V E G D E E C D C G S I V D C Q C C Q S D C K F K L G A N C S T G L C C H E C
UniRef90_UPI0003C89DA6     V E G N E V C D C G T E E Q C C C N P R T C M L Q P G A N C D T G S C C N N C
UniRef90_X4YDG6            V E G D E E C D C G P S K N P C C N A V T C K L T P G S Q R S H G E C C D T K
UniRef90_Q4QT06            E K E E E Q C D C G P S K N P C C N A V T C K L T P G S Q R S H G E C C D T K
UniRef90_I3NE90            V E E G E E C D C G P P I L C S C C S V S C T L K N G A E C A S G L C C E D C
UniRef90_UPI0002C47706   K V E A N E I C D C G S E K E C C C N P S T C V L K P G A H C H T G L C C K N C
UniRef90_UPI0004446F66     V Q A G E Q C D C G S D C D P C C E E T C T L K D D A Q C S G L C C K N C
UniRef90_UPI00038C4B63     E M N E E C D C G S P Q E C C C D V K S C K L K A G F Q C A L G E C C E K C
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                              50             60             70
UniRef90_UPI00033172EE  Q F L P S G T L C R Q Q S E C D L P E W C H G N S P E C P E D
UniRef90_Q811Q4         Q F L P S G T L C R K R D N C D L P E W C N G T S H E C P D D
UniRef90_UPI0004546F68  K F M K P G T L C R G M N D C D L P E W C N G T S A E C P E D
UniRef90_F6YML0         K F M P S G T M C R K E N E C D L P E W C N G T S H Q C P E D
UniRef90_I3KP30         Q L K S S G S V C R Q S A G C D L P E F C T G L L S D C P E D
UniRef90_Q9PT48         R F K G A G T E C R A A K D C D M P E R C T G Q S A E C P T D
UniRef90_UPI0003833EB7  R F H A A G H K C R E A D E C D L P E Y C N G T S A W C P D D
UniRef90_UPI0003347EBB  R L R P P G Y L C R E E N E C D L A E Y C N G R S A V C P E D
UniRef90_UPI00046BB9F2  Q I L P T G E V C R E E N D C D L P E W C N G T S Y H C P E D
UniRef90_F7GGC6         Q I K K A G T L C R P V K D C D L P E M C D G K S G S C P E D
UniRef90_L5KMM6         Q L K P A G T A C R P S N S C D L P E F C S G S S P H C P
UniRef90_F6XAI3         R L K S A G T Q C R E A G S C D L P E F C T G D A P F C P S N
UniRef90_UPI0003F0582A  N F L H S G Y L C R P A N E C D L P E W C N G T Y H Q C P E D
UniRef90_UPI0002C64C28  N F M A K G E E C R T S F G C D L T E Y C N G S S A S C Q D D
UniRef90_UPI0003287F1E  T Y T P T G T L C R P I Q N C D L P E Y C N G N T H T C P V D
UniRef90_G1QNI3         S V E P A G E P C R P K K D C D L E E F C D G R H P E C P E D
UniRef90_Q28660         T F K E R G Q S C R P P V G C D L F E Y C N G T S A L C P D D
UniRef90_V8PF09         R Y L K S G T I C R K K T N C D L P E Y C N G T F E W C P E D
UniRef90_V8PF09         R Y L K S G T I C R K K T N C D L P E Y C N G T F E W C P E D
UniRef90_UPI000443172D  Q V L P A G Q V C R E A Q N C D L T E F C D G Q H P R C P E N
UniRef90_F1P168         K F R A A G A E C R S K M G C D L P E Y C N G S Y A Y C P D D
UniRef90_B8K1W0         R F K R A G T E C R P A R D C D K A E Q C T G R S A N C P V D
UniRef90_L9KR02         Q F A P A G E V C R E S S E C D L P E W C N G T S H Q C P E D
UniRef90_UPI0003F09BDA  K I M P S G Q V C R Q Q S E C D L T E W C N G T S H Q C P E D
UniRef90_M4AMI8         Q L K V S G T E C R K S A N C D L P E Y C D G K I G F C P P D
UniRef90_M4A7N5         K I Q P R S I E C R K Q D D C D L A E Y C D G K S A T C P E D
UniRef90_UPI00046BC52E  Q I L P T G E V C R E E N E C D L P E W C N G T S Y H C P E D
UniRef90_UPI000329273E  L F L P G G T V C R G I T N C D V P E Y C N G S S Q F C Q P D
UniRef90_B0VXU5         I F K G A G T E C R A A S E C D L P E N C T G H S G D C P I D
UniRef90_G5E6C5         T F S Q S G T V C R Q A N E C D L P E W C N G T T N Q C P E D
UniRef90_H2XTH9         T F V H S G T I C R N S S D C D L P E Y C S G I S N Q C P G D
UniRef90_UPI0002C54C4E  R F R P P G Y I C R K E N E C D L A E Y C N G I S N F C P D D
UniRef90_F1S8C4         L L K P A G A L C R R A V D C D L P E F C T G T S P Y C P P D
UniRef90_S4RH24         Q L K P S G T R C R D P T N C D L P E Y C N G G S P H C P P N
UniRef90_U5HIY0         Q I A S N G T V C R A A I D C D I A E T C S G L T A E C P E D
UniRef90_UPI0003C19271  T L M P S G T V C R K E N E C D L P E W C N G T S Y Q C P E D
UniRef90_Q2UXQ1         R F K S A E T E C R I A R E C D L P E Y C T G Q S A D C P T D H
UniRef90_UPI0003ACCBC6  T F S P V G T L C R P I Q N C D L P E Y C R G L S S K C P N D
UniRef90_V9KHK4         K I K P L G Q L C R A A R D C D L N E Y C D G V N T Q C P E D
UniRef90_O77780         A F I P K G H I C R G S T D C D L H E Y C N G S S A A C Q E D
UniRef90_M3Z647         K F M P S G E L C R H R V N C D L P E W C N G T S H Q C P E D
UniRef90_UPI00020F5819  K I A P A G T L C R P S S P C D L P E Y C N G T S V L C Q K D
UniRef90_H3CL06         K F R V A G S V C R A P L G C D L P E F C T G S S P H C P
UniRef90_UPI0003F1154E  K F L S A G S E C R P I V D C D L P E F C N G S S G A C
UniRef90_C7Z8Y5         Q V A S S G Q V C R E S T G C D P E E T C D G E S S R C P E D
UniRef90_F6R6L6         Q L R P A G W Q C R P P R D C D L P E F C P G D S S Q C P P D
UniRef90_UPI0003440A0B  K I E K R G V Q C R E A R H C D I A E F C D G G S P E C P Y D
UniRef90_W5NE87         Q F L P G G T V C R S S T D C D L P E Y C N G S S T L C Q P D
UniRef90_UPI00042BFA0B  Q F R P L G Y T C R K E N D C D L P E Y C S G I S A Y C P E D
UniRef90_UPI000214B5EE  R L R K S G S T C R S A D D C D L P E Y C D G N S A E C P T D
UniRef90_F6VBC2         Q Y S P A G Q I C R D T N N C D L A E Y C T G T S A N C P
UniRef90_UPI00038E98C1  R F A P E G E L C R K E A N C D L P E W C N G T S H M C P D D
UniRef90_Q811Q3         N F L P S G Y V C R K E V N C D L E E Y C D G T S G V C P D D
UniRef90_UPI00032AD8B6  T Y S P S G T L C R P I M N C D L P E Y C T G S T I T C P E D
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UniRef90_UPI00045E1785  Q F R P S G Y V C R A E N E C D L T E Y C N G T S N L C P D D
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UniRef90_G7YVD4          R L A P A G T V C R E S G N C D L P E Y C D G L S G W C P S D
UniRef90_V2XWK7          S F A P S T Q V C R P A K D C D T A E T C T G T S A Q C P K D
UniRef90_UPI0003F0B2A1   K F K P K G H V C R P S A D C D L A E Y C N G R S E K C P E N
UniRef90_E9F8R7          Q V S S S G N V C R A S I G C D P E E V C N G S S A S C P T D
UniRef90_E1ZWX5          K A H A R G V I C R D S N E C D L P E M C S G D T G Q C P P D
UniRef90_H2W1Q9          K P K P R A T V C R A A I G C D L N E Y C N G E T N D C P A D
UniRef90_O19051          T Y S P T S T L C R P V M N C D L P E Y C G G S T Y T C P D N
UniRef90_I1S356          R I A S S G R I C R A S T D C D P E E R C D G S S G Q C P I D
UniRef90_UPI000443CF7A   K Y A A L G K E C R H A E D C D L P E Y C N G T S E S C Q P D H
UniRef90_L9KGH5          S Y A A S G T L C R A I H S C D L P E Y C L G S T A A C P D D
UniRef90_E1B7I3          K Y A Y P G Y I C R D T L G C D L P E Y C N G K T H D C P D D
UniRef90_UPI0003AF8F4C   T F S K P G T L C R P I R S C D L P E Y C R G I S K A C P K D
UniRef90_H9GUJ2          H Y L P A Q S L C R E K N G C D L P E Y C N G T S Q W C P D D
UniRef90_I3MUD5          L L K E K G T L C R R S R D C D L P E Y C D G Q S E K C P V D
UniRef90_UPI0002742548   K Y D R P G V I C R E I R G C D L P E Y C S G K N E T C P D D
UniRef90_V5FR58          Q F A S A D T V C R P S T C D I A E K C T G N S G S C P V D N
UniRef90_UPI00042AE164   S F A P A G T M C R D K L G C D L P E Y C D G N T N N C P R N
UniRef90_UPI000398FE0E   R F R A A G H K C R S E G D C D L P E Y C N G T S E W C P E D
UniRef90_UPI0003F146A0   Q F K A K G D T C R A S L D C D L P E F C N G S S A S C Q D N
UniRef90_A5A4F6          R L S Q R G V L C R R S T D C D F P E Y C S G T S E F C T E D
UniRef90_B4HA82          R L R P K D Y I C R D S N N C D L P E Y C D G E V G Q C P S D
UniRef90_U3J8P8          Q V S P A G T L C R A S T S C D L P E Y C N G T S P W C Q P D
UniRef90_UPI00033156DA   T F L P S G T L C R E E N E C D L P E W C N G K S S Q C P D D
UniRef90_UPI000462E4DF   K L K A K G T V C R D A G D C D L K E Y C N G N S S L C T D N
UniRef90_H0ZMA4          K V L P A G T L C R A S T G C D L P E Y C N G I S P Q C P L D
UniRef90_UPI000333A27C   K I A Q S G T E C R P S V H C D I P E F C N G T S P M C
UniRef90_UPI00032AF287   R I K R K G A L C R A I N D C D L P E Y C T G R S G M C P P D
UniRef90_UPI0003F1523B   T L K P V G I L C R K S K E C D F A E Y C N G F N P H C
UniRef90_UPI0003C8CDB7   G F R R K G F L C R P I Q D C D L P E Y C D G T T A E C P K D
UniRef90_G3JSC3          Q F A G S G T V C R A S T G C D P E E K C P G N S A N C P P D
UniRef90_S7N9M7          R L K N K G F M C R S A L G C D L P E Y C D G T S A E C P T D
UniRef90_UPI0002739865   K I K K A G I L C R T A K D C D L P E L C D G F S P K C P V D
UniRef90_UPI00046B2D6A   K F K M K G F L C R P I G D C D L P E Y C D G R S A E C P A D
UniRef90_S2J775          Q I R P K N D L C R P A S N C D I A E Y C S G T S A E C P V D
UniRef90_UPI0004444D20   K I V L S G V K C R P E N E C D L P E W C N G T S F Y C P E D
UniRef90_M3WTI3          K F A Q P G T I C R D Q L G C D L P E Y C D G K T H N C P N D
UniRef90_Q4SXN1          Q Y L A G G T V C R S T D C D L P E Y C N G S S S F C Q S D
UniRef90_H2NIP8          K F Q R K G Y P C R P S R S C D L P E F C N G T S A L C P D N
UniRef90_B6HVX1          Q F A A A D T V C R A S T G C D I A E T C S G T S S S C P D N
UniRef90_F6YPU4          Q L L P A G K I C R E K Q N C D L E E F C N G T T P L C P E D
UniRef90_M2TEY1          Q F A S A S T V C R A S V G C D P E E T C T G T S P Y C P E D
UniRef90_T1FUE3          T L K S L G T V C R G P K D C D L P E Y C D G S S F L C P L D
UniRef90_H0XL01          K F K T R G Q P C R A E R P C D L P E Y C D G A S S S C P E D
UniRef90_UPI0003337582   K L K Q A G E L C R E Q I D C D F P E Y C N G S S S F C M Q D
UniRef90_G1TIW0          K Y R R K G F L C R S I R N C D L P E Y C S G K S A S C P P D
UniRef90_UPI0003332510   L F M P R G T M C R Q S N N C D L P E W C N G T S H K C P E D
UniRef90_A3R0T9          Q F K K A G A E C R A A R N C D L P E F C I G Q S A E C P M D
UniRef90_G1TZR0          Q L V P S G Q V C R K S N E C D L P E W C N G T W H E C P E D
UniRef90_H3CK01          Q R A R G G T V C R S S T D C D L P E Y C N G S S S F C Q S D
UniRef90_UPI000333A742   K I Q T R G H M C R P P Q G C D L P E Y C N G S A I C P V D
UniRef90_E4V1E7          K F A S S S T V C R M S S G C D P E E K C S G D S G D C P K D
UniRef90_UPI0002742813   Q F A G T N V E C R P K A H C D V S E F C N G S S S L C
UniRef90_UPI00034FFD49   K I K A A G E V C R E R N D C D L E D V C D G T S P W C P S D
UniRef90_UPI00038C57A9   Q F L P Q N H A C R P H C D I P E V C N G S S G L C P A D
UniRef90_D5G746          K F A S K D K V C R S S N G C D P E E R C T G R N A T C P S D
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Multiple sequence alignment (positions 1–40):

Identifier	Sequence
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UniRef90_C1DYF0	VEAGEQCDCGTGKDACCDGATCQLTAGSECSATDCCSSC
UniRef90_A0A044VA48	IDGEEECDCGLREDPCCDPLTCTLRAHAHCASHQCCHRC
UniRef90_G1T5C4	VETGEDCDCGTQEQCCCDHRTCKLKKGLDCFEGPCCSGC
UniRef90_UPI000333F124	VDAGEQCDCGTVKSCACCAANCHLKASGCASGLCCKDC
UniRef90_B0XDB5	VEPGEQCDCGWEEDCCCDQKPCTLTPKSQCSQGPCCTLE
UniRef90_UPI0001D5F4F9	ERGEECDCGTKDNCCCDPSTCRMKGNAKCSGDCCSKDC
UniRef90_Q3HTN2	CDCGSPENCCCNATTCKLHSWVECESGECCEQC
UniRef90_UPI0002C46B9E	CDCGSFKYCTCCLANCMLSPGALCAFGLCCKHC
UniRef90_U6PKS9	VEHGEECDCGREQHSCDGKTCTLTANAECAEGDCCDTC
UniRef90_B4NJU0	VEPWEECDCGLPENPCCNAHTCKLNSGALCATGECCDTC
UniRef90_N1J6W5	VEAGEDCDCGCGTNPCCEPKTCKFKATAACDYDCCNNSC
UniRef90_UPI00046C0DFC	VEEGEDCDCGTKKECLCCRHTCKFRRDIKCISGDCCWKC
UniRef90_UPI000334097C	VDEGEQCDCGSALDCHCCLPSCHLKRGSDCASGSCCRNC
UniRef90_A1DPF2	VEVGEECDCGCDQNSCCDGSTCRLRAGALCDDSPCCTNC
UniRef90_U6HTY1	KLDPGEECDCGTADTCCCDVKTCSLLAGAECATGPCCDIC
UniRef90_V5HHX4	EAGEDCDCGPVENPCCDAATCFKEQAVCAIGACCSTC
UniRef90_F7FQQ2	VEGNEQCDCGTWKDCCCEPRCKLKAKAKCGFGLCCYNC
UniRef90_E2BL04	VEEGEDCDCGWEEDCCCFPQRCKLTSRAVCSQGPCCNTD
UniRef90_X1WIU2	VEPGEECDCGWEEDCCCFPQRCRLTAKSVCSQGPCCND
UniRef90_UPI0002742867	ETNEECDCGTKNCCCDASECKLKGSALCGSKCCTEEC
UniRef90_UPI00038EE6F5	VEQGEACDCGTEEECCCEYATCTLKSSAKCAHGPCCTNC
UniRef90_UPI0003C824F7	VEGPERCDCGSLKQCYCCNTDCSLKSGSVCDKEMCCNC
UniRef90_UPI0004547B46	EVEDGEQCDCDLLHCVCCGKDCLFEPSAECSSRLCCKDC
UniRef90_G4TDN0	VEAGEECDPGGSTSSCCDPATCKLINNAVCDPSSSSCCT
UniRef90_F7EPE7	EEGEECDCGSPQDCCEAKTCTRKPGFTCGEGECCEGC
UniRef90_L5KU54	VEDDEQCDCGTENSPCCDQTCRLKGNADCSGGLCCIGC
UniRef90_UPI0002742858	EEGEECDCGSKEACCCHPDNCTLTKGSECGTGKCCNEK
UniRef90_A0A022T3Z2	IEDGEECDCGWEEDCCCFPKPCTLTPRSICSQGPCCTTD
UniRef90_UPI00033396B1	EEGEECDCGTALNCCCDAKTCRKKPNVKCGSGCCTEAC
UniRef90_UPI00042AF2B1	EGDEVCDCGALPPPCCNPKTCGLSDNSACAKGPCCDNC
UniRef90_UPI00045450A0	IDEGEQCDCGSNKACYCCGNDCKYSRDSICDEQLCCANC
UniRef90_G1KS31	VEAGEECDCGSAAECCCNSCTLTANSQCSNGLCCTKC
UniRef90_UPI000332EE19	VEPPEQCDCGSESNQCCDTNCQLKGEAQCSNEPCCSRC
UniRef90_UPI00042AEF23	IEGQEQCDCGTLQNCCCDPLLCRLKPGAVCSCTQSC
UniRef90_H0W5X6	VEESEQCDCGVNCDECCDQACNFKGNATCSNELCCSDC
UniRef90_UPI00045414DF	VDENEQCDCGSFKECFCCGINCEFSQDSDCDTGGCCRDC
UniRef90_C9SKS8	VESGEECDCGGAENPCCDAATCRFTTNSQCDPDCCTDQC
UniRef90_H0W487	EEGEECDCGTLRNCCCDPMQCRMKKGAKCGSPCCTVDC
UniRef90_Q8CGQ2	VEASEKCDCGSVKDCTCCEVNCEFTQGSSCAAGGCCLSC
UniRef90_UPI0002BCD6A7	VEDWEQCDCGPFKQCYCCEYDCMLAEGATCNEGLCCTDC
UniRef90_UPI0001D55EE3	EPTEQCDCGYRKACCCNPADCTLIGFAECGSGPCCNNC
UniRef90_UPI0002C4762F	VDGQEECDCGPICDPCCTCKLKYAQCSQGLCCFEC
UniRef90_UPI0001A639CC	QIDRGEECDPSNFTNPCCNLDTCLASIWAVCTHGPCCHQC
UniRef90_G1LGV7	VDQGEECDCGSFKQCYCCTSDSTFTTGSKCNTGRRCTNC
UniRef90_S9W4J7	VEGDEECDCGCNQNPCCDGKTCRYATGSVCDDDSCCKNC
UniRef90_M3VV19	QLEQGEQCDCGTVKNCCCDPKTCSMKANKQCGSECCTQDC
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UniRef90_UPI0003291563	EPNEECDCGSEEDCCCDYNTCKLKGSVKCGSGCCTSKC
UniRef90_K1XK37	VESGEDCDCGGASGCCCEPTTCKFKNNAVCDPECCTGSC
UniRef90_T1G9B8	GEDCDCGLPKCCCDPRTCKFLSRATCATGSCCDTC
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UniRef90_F7CND5	VEEGETCDCGPPTNKCCDPNHCTKNYYAHCLSGVCCKAD
UniRef90_UPI0003344202	NPCCNASSCTLKPEAVCAHGLCCEDC
UniRef90_UPI0001A6297F	DPGEECDCGTQTSCCCDPVRCRLRGNSQCAGGPCCDYC
UniRef90_UPI00046B7B86	EECTNRCCNASTCTLTPGAVCAHGLCCEHC
UniRef90_UPI0003C8EC03	EPPEECDCGNAEKCCCNPADCTLHDGAECGTGVCCDSC
UniRef90_K9IPX1	VEDTEQCDCGSDDNPCCDQTCNLKENAVCSSPCCNTLC
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UniRef90_E2R5W1	KLEEGEQCDCGTIETCCCDPRSCVIKTGKQCGSECCTPDC
UniRef90_UPI00046B20C4	NEECDCGSLKECACCETNCVLNLGSTCYEGSCCQSC
UniRef90_UPI00027FBF16	VEGDEECDCGTKQNCCCDPTSCRMKRNVQCGSGECCSQC
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UniRef90_UPI00042C095F	EDNEECDCGPDCDHRCCDQTCRLKEHAQCSDGLCCSNC
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UniRef90_UPI0003EBFD16	EEGEQCDCGSVQECCCNATTCTLKEGSQCAEGECCENC
UniRef90_UPI0003C461B4	CCLSNCTIKPGAECISGLCCKNC
UniRef90_UPI000443D4F3	EECDCGSLKECTCCETTCAFSVGSVCDEGSCCNC
UniRef90_UPI000328C6A8	EDPEECDCGCASDPCCESTCRLKADAECSRGLCCFEC
UniRef90_UPI00033438BF	EAPEECDCGSVKDCCCRAAECRLIGSAKCGSGPCCNTN
UniRef90_F9WYH9	VEEGEDCDCGGEVGCCCNPTTCKFTTGSVCDNEDCCRNC
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UniRef90_UPI0004442354	ELQDGEQCDCGRDEIDCCEPTTCKLKANQQCSSEECCDHC
UniRef90_M1W7M7	VEAGEDCDCGGEDNKCCDAKTCKFTTNSMCDPDCCTPQC
UniRef90_UPI0002BCDF3A	EPGEECDCGDSEQDCCCDYNTCKLKGSVKCGSSCCTSKC
UniRef90_V9L1L7	VERGEECDCGTPEECCCNAETCELRAGARCADDGDCCHEC
UniRef90_UPI0003AF0C07	EQGEECDCGTLENCCCDPRTCRRKRNKQCGSECCTQDC
UniRef90_UPI0003344425	EPQEQCDCGTVENCCCHPEDCSLTNMAECGSGVCCDKK
UniRef90_G7PAR8	EECDCGSLKDCACCETSCILSLGSVCNTGLCCREC
UniRef90_U6I473	EEGEQCDCGTREDCYPKDCLKKFANVGNTCCMSKC
UniRef90_UPI00022F4C4D	VEVNEECDCGNDTKCCCNYETCRLKASAKCSPCCTSNC
UniRef90_UPI0003C91707	CDCGPLKRCACCLPNCVLTYGANCSSGLCCKNC
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UniRef90_J4US53	VDAGEDCDCGSLKECACCGTNCRFTTGSVCDQRCCTGQC
UniRef90_UPI0003340ECD	VNQREDCDCGSLKECACCGTNCDLILGSLCDVGSCCHC
UniRef90_G1T6B5	CDCGCAKDPCCMPNCTLINGAACASGPCCENC
UniRef90_O75077-3	VEAGEECDCGFHVECCCKKCSLSNGAHCSDGPCCNNT
UniRef90_UPI0003834447	EECNNPCCDARTCSLKLDAECAHGSCCHQC
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UniRef90_S7NA74          Q F Q E K G F S C R P A S G C D L P E Y C D G T S A K C P E N
UniRef90_C1DYF0          K V A A A G V V C R A A A N C D V A E T C D G S G S K C P A D
UniRef90_A0A044VA48      Q L R P A G H V C R P A R S C D V A E M C T G D D G D C P V D
UniRef90_G1T5C4          R F K P H D T V C R E T K H C D F F D H C S G R S A Q C
UniRef90_UPI000333F124   Q V L D H G T V C R E Q V N C D L P E W C N G T S P V C P A D
UniRef90_B0XDB5          C T L K L G D K C R E D N G C R D P A F C D G T M P V C P
UniRef90_UPI0001D5F4F9   K F K P V N T I C R K S A D C D F T E Y C N G D L P Y C
UniRef90_Q3HTN2          R F K K A G A V C R A A R E C D I P E N C T D Q S A D C P T D
UniRef90_UPI0002C46B9E   K F L P P G E L C R Q Q V N C D L P E W C G I S H Q C P Q D
UniRef90_U6PKS9          R P K P R A T V C R A S I G C D L P E Y C N G D T P D C P A D
UniRef90_B4NJU0          E L Q L A G D P C R K A N E C D L P E Y C T G E S E Y C P N D
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UniRef90_U6HTY1          K L K Q S G S V C R E A N S C D L P E Y C D G G S E W C P A D
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UniRef90_C9SKS8          R F A S Q G S I C R E S T G C D P Q E T C P G D S S V C P S D
UniRef90_H0W487          Q F Q K A N V L C R K S K D C D F D E Y C N G R S G D C V H D
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UniRef90_UPI0001D55EE3   T I Y A R G H V C R K S I D C D F P E Y C N G T S E F C
UniRef90_UPI0002C4762F   Q L R G K G Y M C R P A G D C D L P E Y C E G T S E E C P
UniRef90_UPI0001A639CC   L L K Q K G S V C R P A F D C D L P E F C T G T H P S C P L D
UniRef90_G1LGV7          T Y S P A G T L C R P I Q T C D L P E Y C R G G S L A C P D D
UniRef90_S9W4J7          Q L S R A G M V C R K A S G C D K P E F C T G K S S E C P K D
UniRef90_M3VV19          K L K S I G I Q C R K S Y D C D F T E Y C N G V S P H C
UniRef90_V8NS25          K L V S P G T L C R E E R T C D L P E Y C S G K S P F C P
UniRef90_UPI0003291563   E I S T A G T P C R K S I D C D F T E Y C N G N S S N C
UniRef90_K1XK37          Q F A S N S T V C R T S T G C D P E E T C S G S S P F C P A D N
UniRef90_T1G9B8          Q I K P P M T E C R G Q S E C D V G E Y C D G E S E F C P F D
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UniRef90_B4KIQ6          C P S H F H Q K C K E E T E C S W S S T C N G T T A E C P E
UniRef90_G3S3U2          Q I M P S V E V C R E S S E C D L P E W F N G T S H E C A E D
UniRef90_I8TGP4          Q F A S S G T V C R E S T G C D I Q E T C T G N S S A C P T D
UniRef90_A0A016T9Y5      S Y H P A N H V C L P P L Q C K A S S Y C T G H S G E C P
UniRef90_H2LI08          K Y E L R G V T C R E A N D C D I A E T C T G D T S Q C P H N
UniRef90_T1F643          E I K T R G T V C R A S N D C D L D D V C D G D T Q N C
UniRef90_T1FPI0          T F K T N E T I C R P A K D C D V D E K C N G D G N M A T C P P N
UniRef90_UPI00032AFDCA   K F L P G G S L C R G T S E C D V P E Y C N G S S Q F C Q P D
UniRef90_UPI0003EC289A   T C L P R G H I C R R S I D C D F T E F C T G T S Q N C V T D
UniRef90_E9JGJ7          K F L K E G P I C K R A R G D N M D D Y C N G K T C D C P R N
UniRef90_H2UVT6          K Y E L R G V V C R D V N N C D I P E T C T G D S S Q C P H N
UniRef90_T1KEI1          Y K S T D N H V C R P A T D C D I E E K C D G L S Q F C P P D
UniRef90_F1RZL9          Q I A E R G T L C R R S T D C D F P E Y C N G I T E F C
UniRef90_E2ALI0          C Q F S H R V Q C R A E S D C S Y N S T C S G R S S E C P
UniRef90_Q0NZX6          K F I K A R Q I C R K G R G D N P D D R C T G Q S G D C P R N
UniRef90_H3DDF0          G F K P A G W T C D E E T D C Q R A S V C S G L S P Y C P E
UniRef90_Q5QHR9          Q F E S A Q K K C Q E A I N C K G E S F C T G N S S E C P
UniRef90_UPI0004418BB9   K L R N A G H V C R A Q N E C D L P E F C D G A S P R C P S N
UniRef90_U6HV97          Q L L K K G T L C A E P S P C L S A G H C D G K S P V C P
UniRef90_UPI00042CA73D   Q Y E R P G R S C R P A S G C D L P E F C L G T S G E C P Q D
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UniRef90_G1SZC8          R F E T S Q K K C Q E A I N C K G V S Y C T G N S S E C P
UniRef90_UPI000444101E   T F K D N S E S C R V A S E C A Q K G F C N G R I A Q C P T
UniRef90_UPI0003833E7E   R L L P E G E V C R E S A G C D L P E Y C N G T S E H C P A D
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UniRef90_K1PU66          Q R A S N R T E C R R A S D C L G A S Y C S G L S A
UniRef90_UPI0002C68EDD   K Y A Q P G T V C R D T P G C D L P E Y C S G N T H V C P N D
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UniRef90_E9G5W0          M L M P A G Q K C R E A Q T C E Q E A K C T G T S S E C P
UniRef90_C3Z0K2          S Y R S A S E V C T K E T E C A L S A S C S G I S A D C P K
UniRef90_U4UII6          C K F I Q R E L C K T E S D C S M S S H C N G K S A E C P
UniRef90_F0YA63          G F A A A G T V C R A A V D C D D E E T C T G A S G D C P T D
UniRef90_M3ZMG5          E F K P L G Q M C D E E T D C V K E S V C S G L S P L C P K
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UniRef90_UPI0003EABB99   M F E K A G K I C Q E P I S C K G Q S T C T G S S S E C P
UniRef90_U6IGB4          Q L A K K G T L C A E P S P C L S A G R C D G Q S P V C P
UniRef90_C0LZJ5          R F V T A G T E C R A T R E C D L A G Q C T G Q S A D C P D
UniRef90_UPI00045464B1   K I A E R G R P C R K S T D C D F P E F C N G S S E F C
UniRef90_Q8SRS1          G L L P K N T V C R G R T D C E R E S Y C D G K S P A C
UniRef90_H1UUY5          Q F A S N G T V C R Q S T G C D P E E V C S G S A S T C P S D
UniRef90_V8P9I6          Q F E S A D K K C Q E A I N C K G S Y C T G N S S D C P
UniRef90_UPI000329F215   E F K P E G Q R C D E E T D C Q K A S V C S G L S P L C P K
UniRef90_W5MY00          L F Y P R G Y S C R Y A V N C D I T E V C S G D S G Q C P P N
UniRef90_S4RK00          Q
UniRef90_L5KCQ7          Q V C D H E L Q C Q C K E G W A P P D C D D S S
UniRef90_UPI00038371B3   M F E S A D K V C Q E V I T C K G T S Q C T G N S S E C P T
UniRef90_E9JGG7          K F L K E G T I C R A R G D D M D D Y C N G K T C D C P R N
UniRef90_V8N6T1          Q Y R Q H G T V C R E K S S C D L P E Y C N G T S E H C P E D
UniRef90_K7JDV4          R
UniRef90_UPI0003C19B8F   V F S S Q E R Q C E E E T E C A F E S H C S G M S A V C P T
UniRef90_Q9VAC5          Q F M A S G M K C R E A Q T C E Q E A R C T G A H A E C P K
UniRef90_H9J041          Q L K P R G V V C R D A T N C D L E E T C T G L S G A C P A D
UniRef90_UPI00042C26F6   S L K P A G V L C R A A G D C D L P E F C T G T S P Y C P P D
UniRef90_X1ZAM2          S K V P Q G F V C S T E N E C S E Q A V C N G M D A S C P
UniRef90_M3ZA77          Q
UniRef90_UPI00032933AA   L L R P A G V L C R R A
UniRef90_F2U0J8          K L T D T S Q V C R E E T V C T M Q S T C T A N G E C P
UniRef90_F6XXM6          K F Q P K G V I C R D A N D C D I S E T C T G N T S Q C
UniRef90_V8P328          Q F E L K G V I C R E A G I C
UniRef90_S4RYX1          C R Y K D Q V L C R L P A L C R E A A F C T G D S G V C P K
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Multiple sequence alignment

Position markers: 1 ... 10 ... 20 ... 30 ... 40

Name	Sequence
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UniRef90_G3U663	C S I G L C C H Q C
UniRef90_UPI00045D710B	Q V D D G E Q C D C G H T
UniRef90_UPI00035954C0	D V G E E C D C G L S D D P C C T P A D C T T R K S S P K L S P C C S E Q C
UniRef90_A7S393	V E E G E S C D C G Y Q D D A S C T A D K C C L G S N V Q A K T G C C C N G D
UniRef90_UPI00044329B7	V E E G E T C D C G P P T N K C C D P N H C T K N Y Y A H C L S G V C C K A D
UniRef90_H2YQP0	Q V E D N E T C D V G S N E D P C C L P N C T L K P G A K C N F E C C S E Q C
UniRef90_UPI00035A0057	V E E G E Q C D C G S P Q L C A T G P C K D C
UniRef90_UPI000328F4BA	V N W N E E C D C G S L K E C M C C G T N C L L T L G S A C D I G G C C S R C
UniRef90_UPI0003317F16	E P N E E C D C G R E E E C C C D Y N T C K L K D S V K C G S G P C C T S K
UniRef90_UPI0003EACF54	V E K G E Q C D C G P V E D E C D L A E Y C T G Q S Q W C P Q G Y C Y N G Q C
UniRef90_UPI00038BB5DE	C C E D C
UniRef90_UPI000161E575	V E V G E E C D C G T P S S C C C N P V T C Q L A E A A V C A S G E C C D L N
UniRef90_UPI0001CBBCEF	V E G V E E C D C G F E D E C C C H P Q T C Y R R R G A T C Q G P C C N T Q C
UniRef90_W2T0J5	E P G E E C D C G F S Q D K C C M P H E C K R K A S S P S E G Y C C N P E T
UniRef90_T1GCF9	V E S G E E C D C G F N N E E C N D A K G C A R R A N T Q C Q G P C C L S D S
UniRef90_V3YWR7	E E C D C G S E E E C C C D P T T C L L K S W A Q C R S G Q C C H N C
UniRef90_A9URI9	E G D E E C D C G T A A D E C C N A D N C N L R A G K Q C S P F C C K S D C
UniRef90_UPI00038C1286	E T G E D C D C G S P E E C C C E P L T C R L K S Q P D C R E E A S N H
UniRef90_M3XW48	E A G E D C D C G S P K E C C C E A V T C T L K P E A D C K G D P
UniRef90_V8NC56	E P G E K C D C G S I E
UniRef90_U6HVH2	D E N E E C D P G G A G D P C C R H N C H L R P G A K C N H A C C T N D C
UniRef90_T1IKY2	E K G E Q C D C G H K E Q C C C V P K E C Q L I N T A Q C S P C C T Q D C T
UniRef90_UPI000274156A	E V G E D C D C G S P K D C C C E A A T C R L K S G A G C G N T P
UniRef90_UPI0003AF6F36	V E D G E E C D C G E P D
UniRef90_UPI0002651C81	V D E E E E C D G G S N P H P C C T K H C Q W R S D L L C R D T Q C C K D C
UniRef90_S5MG59	K V D N N E Q C D C G S Q K A C Y C C G N D C R L T P G S I C D K E L C C A N C
UniRef90_UPI000350E935	V E S A E Q C D C G V E Q K K C C K P K E C V L I G D A M C G S G P C C D T C
UniRef90_J9P781	C C D P R S C V I K T G K Q C G S E C C T P D C
UniRef90_G3WF19	E V G E D C D C G K S K E C C C D A R T C K W K P G V P C E R D E
UniRef90_UPI00038EBC1C	E T G E D C D C G S P K D P C C V A V T C K F R S G P G C R E G T A S R T T
UniRef90_P0DJ43	V E V G G E C D C G S P K P C C C N A A T C K L Q R E H Q C D S G E C
UniRef90_U6D7W2	H N C S L R A G A Q C T H G A C C A R C
UniRef90_B3RJM6	V E G N E Q C D C G Y R S D C C C N A P Y C T L K A G S V C G Q I C C N P T N
UniRef90_P82465	H P C C D P V T C E P R E G E H C I S G P C C R N C
UniRef90_C3ZJF8	V E E G E Q C D C G Y S D H C C C N P N P C T L Q P G S P S Q G P C C T S Q C
UniRef90_UPI000359982F	E A H E E C D T G Q F Q N Q C C S R K C R L K G N A I C M N K H C C V N C
UniRef90_F8RTZ7	N P C C D A A T C K L R R G A Q C A E G L C C D Q C
UniRef90_F0XTX1	V E E G E D C D C G G T S G C C C N P E T C H F A T G A L C N D E C C T S A C
UniRef90_T1EDV3	V E E E E D Y D C L G F C N T S C Y D A H C K L Y D G N S C A S G L C C D T C
UniRef90_A2CJE5	N P C C D A A T C K V T P G S Q C A E G L C C D Q C
UniRef90_B7QKW5	V E G N E E C D C G Y E E N C C C Y A K G C T R K P H A L C Q G P C C T K L C
UniRef90_Q1JRG9	N P C C D P I T C K P R R G E H C V S G P C C R N C
UniRef90_H5SQ15	P Q N E C C D P Q T Y K T S F S P K P D N T P C T D D G
UniRef90_UPI0003AF768B	E A G E Q C D C G N E
UniRef90_U3J2P3	T L K L G A E C A H G S C C H Q C
UniRef90_F6Y9D9	I D E G E D C D C G Y S D T C C C T P A D C K L K A G K S C S P C C N G T T C
UniRef90_UPI0003990201	R Y C R L C W R
UniRef90_UPI000359CB26	D C T N R C C N A S S C K L Y P R A Q C A T G R C C D L N
UniRef90_B3RMA9	V E T G E D C D C G C D I D K C C C N P A Q C K Y A T N A Q C N G P C C N N A T
UniRef90_V3ZLC7	I D E G E E C D C G W E D E C C C N A T P C T L K S N A T C N Y N A E C P E P

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sol5   B   B
sol0
jhmm
jpssm

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                              50            60            70
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UniRef90_U3J9T6       K Y E P R G V S C R E A V N C D I P E T C T G D S S Q C P P N
UniRef90_G3U663       R F R P S G Y I C R K L N E C D L A E Y C D G N S S V C P A D
UniRef90_UPI00045D710B E L R A K G E I C R L S E D C D L T E Y C N G S S N V C P E N
UniRef90_UPI00035954C0 R Y K K L K T V C N I F D E C T Q K S F C N G D S E H C P
UniRef90_A7S393       T C S P Y T F L C Q N E T E C R N Q S F C N G I N A T C P
UniRef90_UPI00044329B7 C K A L D G S S C S E F S N L C F G G S C Q D P N
UniRef90_H2YQP0       Q V A S T S K M C R A H I P C L K D V F C N G V D T D C P
UniRef90_UPI000035A0057 K F M Q S G T L C K D K N N C D L P E R C N G
UniRef90_UPI000328F4BA R Y A P P G T I C R E
UniRef90_UPI0003317F16 C A K G A P F A C F E E I N D G L E
UniRef90_UPI0003EACF54 I W G T A A Y E C R A K K D C D L A E Y C T G Q S Q W C P E D
UniRef90_UPI00038BB5DE Y L L P R G K E C R E N S E C D L P E W C N G T S P E C P E D
UniRef90_UPI000161E575 T C Q M L P A T T D F C Y N G Y C G S R D A Q C
UniRef90_UPI0001CBBCEF E Y K E E G K K C M E S S E C N Q A S Y C D G L Q A I C P
UniRef90_W2T0J5       C Q K N D Y K V C R Q E S E C S H T Q T C D G F T A Q C P
UniRef90_T1GCF9       C P A I H S M K C K E E T E C S W S S Y C N G T T P E C P E
UniRef90_V3YWR7       T V L P S T V K C R K K S D C D V P E Y C D G I Q G E C P S N N
UniRef90_A9URI9       S F Q N D G F V C R E E S Q C V R E A T C T T G E C P
UniRef90_UPI00038C1286
UniRef90_M3XW48
UniRef90_V8NC56       F K P R N T I C R Q A K N C D F P E Y C N G S S A I C P
UniRef90_U6HVH2       K I K P A N V S C T V A T P C L D K G F C T G N S G T C P
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UniRef90_S5MG59       T Y S P S G T L C R P I Q N C D L P E Y C N G T K Y I C P D D
UniRef90_UPI000350E935 T I M E R G K L C R R S I D C D F P E F C N G T S E F C
UniRef90_J9P781       K L R P G G I P C R K S L D C D F T E Y C N G V S S H C
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UniRef90_U6D7W2       L L K P A G V Q C R G A V D C D L P E F C T G A S P Y C P P D
UniRef90_B3RJM6       C R S S D N Q L C T V S T E C S Q N A Y C N G S R Y Q C P T
UniRef90_P82465       K F L N A G T I C K K A M L D G L N D Y C T G I S S D C P R N
UniRef90_C3ZJF8       T P K P S T V E C S K E S E C S A S A Q C
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UniRef90_F0XTX1       Q M A S A G
UniRef90_T1EDV3       Q I K T K G T T C R K K S D C D V T E S C D G I S P K C P P D
UniRef90_A2CJE5       K F M K E G T V C R P A R G D W N D D T C T G Q S A D C P R
UniRef90_B7QKW5       G Y E K V N K L C K L E S D C T E Q S F C K Y P F T I C P N
UniRef90_Q1JRG9       K F L R A G T V C K R A V G D D M D D Y C T G I S S D C P R N
UniRef90_H5SQ15       K A K P A G T P C H P G D D C P V K E A C T G S S P D C P R
UniRef90_UPI0003AF768B R I K P V N T P C R K A V D C C D F E E F C N G N Q S I C
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UniRef90_F6Y9D9       E A K N S N Y R C S E E T Q C C Q L A Q V C K Y P K A V C P N
UniRef90_UPI0003990201 Q L R G A G H P C R E P L G C D L P E F C D G V S P H C P P D
UniRef90_UPI000359CB26 Q C K K C N S R G N C H C D I P P L C D
UniRef90_B3RMA9       C Q A S D S F V C R T E T D C A S I S R C S G S V N C P
UniRef90_V3ZLC7       Q S L P N K T V C D G S R V C M N G E C T G S
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sol5                               B                           B                   B
sol0
jhmm               →
jpssm
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