

QUERY
 UniRef90_K1PNR3
 UniRef90_W4V7RM7
 UniRef90_W4ZDGO
 UniRef90_UPI0003C8E2E1
 UniRef90_J9K797
 UniRef90_I1G2Y1
 UniRef90_E9CGZ5
 UniRef90_UPI00035956B7
 UniRef90_UPI0002B4A01D
 UniRef90_UPI0003F05835
 UniRef90_A8PBZ0
 UniRef90_B3SAN9
 UniRef90_F4P544
 UniRef90_E4X982
 UniRef90_A5HUF0
 UniRef90_U6HC87
 UniRef90_M5GC12
 UniRef90_P34574
 UniRef90_UPI0003AB733A
 UniRef90_UPI0003F49057
 UniRef90_R9NWH5
 UniRef90_S2JKE8
 UniRef90_H0WIF6
 UniRef90_A0A044UV10
 UniRef90_R7S081
 UniRef90_M7SR20
 UniRef90_U5H2Q5
 UniRef90_G1X7J6
 UniRef90_M5E964
 UniRef90_F1QZU8
 UniRef90_F7VTF1
 UniRef90_G7DYC4
 UniRef90_C9SJ16
 UniRef90_R9AE90
 UniRef90_A7F5G2
 UniRef90_UPI0002C43F08
 UniRef90_U1HXJ0
 UniRef90_T5AFP4
 UniRef90_M2MX78
 UniRef90_A9UQI1
 UniRef90_N6T4F5
 UniRef90_L8H0U7
 UniRef90_G7YMF8
 UniRef90_UPI000333A230
 UniRef90_U7PW64
 UniRef90_F2U3P4
 UniRef90_A0A024JIJ3
 UniRef90_L0PBF5
 UniRef90_G4TBR4
 UniRef90_M3VZ24
 UniRef90_N1J8C8
 UniRef90_S9PXG1
 UniRef90_U9U729
 UniRef90_I0Z7L6
 UniRef90_P25870
 UniRef90_H3EZS4
 UniRef90_B6K218
 UniRef90_C4JUE7
 UniRef90_M0SYF3
 UniRef90_C4QYS8
 UniRef90_A9TN62
 UniRef90_B8N9R7
 UniRef90_H2ZKR2
 UniRef90_C1E1W7
 UniRef90_A0A058Z4D0
 UniRef90_J3PQJ9
 UniRef90_G3B757
 UniRef90_R0I9D4
 UniRef90_A5DH83
 UniRef90_K0L0H5
 UniRef90_M2W2Q0
 UniRef90_K8EA55
 UniRef90_Q39834
 UniRef90_G4VAK2
 UniRef90_W1QIH6
 UniRef90_H3AKV2
 UniRef90_J5Q1Y8
 UniRef90_A0A024U3J7
 UniRef90_D8TW88
 UniRef90_L1J231
 UniRef90_D2V5V4
 UniRef90_H3EZ37
 UniRef90_UPI0003AB5FED
 UniRef90_E5SVW3
 UniRef90_E1ZQ18
 UniRef90_Q756A8
 UniRef90_D8R9H5
 UniRef90_J7R151
 UniRef90_A4ARQV5
 UniRef90_I2K230
 UniRef90_F0W5K0

1 10 20 30 40
 F MA Q L L P I R F F Q E E H L Q L Q N N V G I N P A N I G F F S T L T T M E S S D D K F Y I C
 MS Q L L P I R F F Q E E H L Q L Q N N V G I N P A N I G F F S T L T T M E S S D D K F Y I C
 MA Q A L P I R F F Q E E H L Q L Q N N V G I N P A N I G F F S T L T T M E S S D D K F Y I C
 MS Q V L P I R F F Q E E H L Q L Q N N V G I N P A N I G F F S T L T T M E S S D D K F Y I C
 MA Q I L P I R F F Q E E H L Q L Q N N V G I N P A N I G F F S T L T T M E S S D D K F Y I C
 UniRef90_J9K797 MA Q I L P I K F F Q E E H L Q L Q N N V G I N P A N I G F F S T L T T M E S S D D K F Y I C
 UniRef90_I1G2Y1 MA Q N L P I K F F Q E E H L Q L Q N N V G I N P A N I G F F S T L T T M E S S D D K F Y I C
 UniRef90_E9CGZ5 MA N L P I K F F Q E E H L Q L Q N N V G I N P A N I G F F S T L T T M E S S D D K F Y I C
 UniRef90_UPI00035956B7 MS T A L P I R F F Q E E H L Q L Q N N V G I N P A N I G F F S T L T T M E S S D D K F Y I C
 UniRef90_UPI0002B4A01D MA Q L L P I R F F Q E E H L Q L Q N N V G I N P A N I G F F S T L T T M E S S D D K F Y I C
 UniRef90_UPI0003F05835 MA Q I L P I V R L Q E E H L Q L Q S S L G I N P A N I G F F N T L T T M E S S D D K F Y I C
 UniRef90_A8PBZ0 MS S L L P I K F F Q E E H L Q L Q N N V G I N P A N I G F F A T L T S M Q S D D K F Y I C
 UniRef90_B3SAN9 MS K Q I P I K F F Q E E H L V L Q N N V G I N P A N I G F F A T L T S M Q S D D K F Y I C
 UniRef90_F4P544 MG E V I P I R F F Q E E H V Q L Q N N V G I N P A N I G F F N T L T T M E S S D D K F Y I C
 UniRef90_E4X982 MA A N L P I K F F E E N L Q L Q N N V G I N P A N I G F F S T L T T M E S S D E K F Y I C
 UniRef90_A5HUF0 MS N V M P I H F Q E E H L Q L Q S T I G I N A A C G G F F S T L T T M E S S D E K F Y I C
 UniRef90_U6HC87 MA S P M P I K F F Q E E H L Q L Q N N V G I Q P T S S G F F N S T L T T M E S S D D K F Y I C
 UniRef90_M5GC12 MA N A P P I A F S E E H L Q L Q N N V G I Q P T S S G F F N S T L T T M E S S D D K F Y I C
 UniRef90_P34574 MA L P I K F F H E H L Q L Q P N A G I R V P N I T F S N V T M E S S D D K N I V
 UniRef90_UPI0003AB733A MA Q I L P I R F F Q E E H L Q L Q N N V G I N P A N I G F F S T L T T M E S S D D K F Y I C
 UniRef90_UPI0003F49057 MA D K P I N F T F T E H L Q L Q N N V G I Q P T S S G F F Q N N T T F E S E N H F I V
 UniRef90_R9NWH5 MA D K P I N F T F T E H L V Q L Q N N V G I A A E S I S F F A N V T T M E S S E N F I V
 UniRef90_S2JKE8 MS E Q L P I K F F Q E E H A Q L Q N N V G I N P A N I G F F N T L T T M E S S D D R F Y I C
 UniRef90_H0WIF6 MA G V E P F Q Q G E K L Q N N V G I N P A N I G F F S T L T S M E S D D K F Y I C
 UniRef90_A0A044UV10 MS S L L P I K F F Q E H V L Q L Q S L G I N P A N I G F F A T L T T M E S S D D K F Y I C
 UniRef90_R7S081 MD T S K P I A F A E E H L Q L Q S A L G V Q P T S S I S F F Q N N T T L E E S D D H F I V
 UniRef90_M7SR20 MA P L P I K F F E L L Q L Q S A L G V E G S A I G G F F A T L T T L E E S D D Q F F I C
 UniRef90_U5H2Q5 MA V D R P I K F S E L L Q L Q S T A L G I Q P G S I G G F F A T L T T L E E S D D R F Y I C
 UniRef90_G1X7J6 MA P L P I Q F F Q E E L V S L T A L E I N S A S I G F F A T L T T L E E S D D K F Y I C
 UniRef90_M5E964 MA A D K P I H F A E H V Q L Q S D L G V N P E S I S F S F A N V T T M E S S D E L Y I C
 UniRef90_F1QZU8 MA A D K P I H F A E H V Q L Q S D L G V N P E S I S F S F A N V T T M E S S D E L Y I C
 UniRef90_F7VTF1 MA Q A L P I K F F Q E L L Q L Q S A L G I N Q T A I T F N T T L T T L E E S D D N W I V
 UniRef90_G7DYC4 MA I Q F T E H L Q L Q S A L G I N P P A S I T G F N T T L T T M E S S D D K F Y I C
 UniRef90_C9SJ16 MA A L P I Q F F E E L V Q L Q S V G V E D S S I T F N S T L T T L E E S D D A Y I V
 UniRef90_R9AE90 MA E R P I Q F S E E H L Q L Q T A L G I N P A S I S F Q T T L T T M S S D D K F Y I C
 UniRef90_A7F5G2 G P L P I K F T E L L Q L Q S V G V E A Q S I G G F F N T T L T T L E E S D D S Y I C
 UniRef90_UPI0002C43F08 MA Q I L P I K F T E L L Q L Q T N A D I A P A S I G F F N S C C C T T L E E S D D H Y I C
 UniRef90_U1HXJ0 MA P L P I R F F E E R V Q L A N I G V D P Q S S I N G F F N S C C C T T L E E S D D S Y I C
 UniRef90_T5AFP4 MA P L P I K F F T E Q A Q L L S L G V Q P Q S S I N G F F N S C C C T T L E E S D D H Y I C
 UniRef90_M2MX78 MA G L P I K F F Q E M L Q L Q T S M G I D A A S I S F N T T L T T M E S S E K K Y I C
 UniRef90_A9UQI1 MS Q P L P I K F F Q E H L Q L Q T N I G I N V A N S S F A T L T T M E S S E K K Y I C
 UniRef90_N6T4F5 SA L P I Q F K E L A Q L G T F G I N P Q S I I G F A T L T T M E S S E K K Y I C
 UniRef90_L8H0U7 SA L P I Q F K E L A Q L G T F G I N P Q S I I G F A T L T T M E S S E K K Y I C
 UniRef90_G7YMF8 MA L L S P V I R V Q E L L Q L Q N N V G I N P A N I G F F S T L T T M E S S D D K F Y I C
 UniRef90_UPI000333A230 MA P L P I R L G E L V Q L Q L T S L G I N P A N I G F F N S C C C T T L E E S D D R Y I V
 UniRef90_U7PW64 MA G I P V K F L E E V L Q V K S L G I A E G S I A F A T T C C T T L E E S D E K Y I V
 UniRef90_F2U3P4 MA S G L P I K F F Q E H L Q L Q S A V N V P D D A I G F F T T C C T T L E E S D K Y I V
 UniRef90_A0A024JIJ3 S G L P I R F F Q E H F Q L T T F G I Q K S S I G F A T T L T T L E E S E K G I V
 UniRef90_L0PBF5 S G L P I R F F Q E H F Q L T T F G I Q K S S I G F A T T L T T L E E S D D H F I V
 UniRef90_G4TBR4 MA Q I L P I R F F Q E H F Q L Q N N V G I N P A N I G F S T L T T M E S S D D K F Y I C
 UniRef90_M3VZ24 MA A P L P I K F T E L L Q L Q S A L G V Q P S F G F T N V T L T L Q S E K Y I V
 UniRef90_N1J8C8 MA Q Q L P I R F S E L L Q L Q A S L G V Q P S F G F T N V T L T L Q S E K Y I V
 UniRef90_S9PXG1 MA A A A P I T L K E A L L L P N L G I N Q Q F I S F T N V T M E S S D R K F I C
 UniRef90_U9U729 N L P I R F F Q E V L Q L Q T N L G I G S N S I G F S T L T T M E S S E K Y I C
 UniRef90_I0Z7L6 MA L P I K F H E H L Q L Q S L S Q A N Q P S S F V S T S L T L Q S D H Y I C
 UniRef90_P25870 MS Q Q L P I R F N E L C S L S Q A N Q P S S F V S T S L T L Q S D H Y I C
 UniRef90_H3EZS4 MA S N A P I A M R E V L T L P S L G I N P Q F V D F T H V T T L E S D D K F Y I C
 UniRef90_B6K218 MS S D P I E F T E P L Q L Q T D I G I N P Q F V D F R S T T L E S D D R F Y I C
 UniRef90_C4JUE7 MA A N G P I T V K E A L A L T S I G I L P Q F V T F T H V T T M D S D D K Y I C
 UniRef90_M0SYF3 MA A N G P I T V K E A L A L T S I G I L P Q F V T F T H V T T M D S D D K Y I C
 UniRef90_C4QYS8 MA A N G P I T V K E A L A L T S I G I L P Q F V T F T H V T T M D S D D K Y I C
 UniRef90_A9TN62 MA A N G P I T V K E A L A L T S I G I L P Q F V T F T H V T T M D S D D K Y I C
 UniRef90_B8N9R7 MA A N G P I T V K E A L A L T S I G I L P Q F V T F T H V T T M D S D D K Y I C
 UniRef90_H2ZKR2 MA A N G P I T V K E A L A L T S I G I L P Q F V T F T H V T T M D S D D K Y I C
 UniRef90_C1E1W7 MA A P P V T V K E V V S L T N S S G I N P Q N I S F F T N L T T M E S S D E K F I C
 UniRef90_A0A058Z4D0 A P N V P V K L Q E E L V Q L Q N N V G I N P A N I G F F N T L T T M E S S D E K F Y I C
 UniRef90_J3PQJ9 MA E Q R P I S F C E H L V Q L Q T A L G V P A S I G F F N T L T T M E S S E R Y I C
 UniRef90_G3B757 MS S D P I D F T E L A Q L T S V G I Q P A S L D F K S T T T L E S D D R Y I C
 UniRef90_R0I9D4 A A N A P I D F T E L A Q L T S V G I Q P A S L D F K S T T T L E S D D R Y I C
 UniRef90_A5DH83 S D I P I D F S E L A R L P A L G I S A Q Q S I D F R S T T L E S D D K Y I C
 UniRef90_K0L0H5 S D I P I E F T E L T D L T S L G I N Q Q S L E F F R S T T L E S D D H Y I C
 UniRef90_M2W2Q0 MA Q P V Q L E E L S L T S L G I N T E S I S F S T V T T M E S S D K Y I C
 UniRef90_K8EA55 MA T P P V N V S E A I Q L T S L G I N P S M I S F T N V T M E S S E K F I C
 UniRef90_Q39834 A A N A P I A M R E T L T F P T L G I N P Q F I T F T H V T T M E S S D K F I C
 UniRef90_G4VAK2 A A N A P I A M R E T L T F P T L G I N P Q F I T F T H V T T M E S S D K F I C
 UniRef90_W1QIH6 MS E N P I D L I D V C Q L S S L G I S P Q S F N F M A T T L Q S D H Y I C
 UniRef90_H3AKV2 G D K P I V F T E H V Q L T A L G I N P A S I S F F Q T L T L E S D D K F I C
 UniRef90_J5Q1Y8 MA D L P I T F G E V L N L L G A L G I N P A S I S F F Q T L T L E S D D K F I C
 UniRef90_A0A024U3J7 MA Q A A L L V I Q E K L S L P A L G I V A Q D E F I S F K N V T T M E S S D K F I C
 UniRef90_D8TW88 MA A P I K L N E V L K I P A L G I R A D A S I S F A N T T M E S S E K F I C
 UniRef90_L1J231 MS N Q I P I Q F T E L F N L T N V G V N Y A S I N F K N V T T M E S S D K F I C
 UniRef90_D2V5V4 MA Q I L P I R F F Q E H F Q L Q N N V G I N P A N I G F F S T L T T M E S S D D K F I C
 UniRef90_H3EZ37 MT T S L P I R F F Q E H A Q L Q N N V G I S A S N I G F F S T L T T M E S S D D K F I C
 UniRef90_UPI0003AB5FED MA Q P P I G L K E E V L N L Q S L G V Q Q N A I T F T N V T M E S S D D K H I C
 UniRef90_E5SVW3 D I P I E F T E L V D L T A V G I A P Q S L V D G F R S T T F E S D H Y I C
 UniRef90_E1ZQ18 A T G A P I V T K E I V S L T A L G I G A G Q F V T T M E S S E K Y I C
 UniRef90_Q756A8 S D L P I E F T E L V D L T A L G I S P Q S L D F R S T T F E S D H F V T C
 UniRef90_D8R9H5 A P A V P I V T V K E A L Q L Q S T L G V N P Q C I S F T N T T M E S S E K Y I C
 UniRef90_J7R151 MS E S P I D L I D V C Q L S S L G I N P A S I S F N F L S T T L Q S D H Y I C
 UniRef90_A4ARQV5 I F P L A S L G V N P D Y I K F G S T T M E S S D K F I C
 UniRef90_I2K230 I F P L A S L G V N P D Y I K F G S T T M E S S D K F I C
 UniRef90_F0W5K0 I F P L A S L G V N P D Y I K F G S T T M E S S D K F I C

| QUERY | 50 | 60 | 70 | 80 |
|------------------------|----------|---------|---------|------------|
| UniRef90_K1PNR3 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_W4V7RM7 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_W4ZDGO | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_UPI0003C8E2E1 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_J9K797 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_I1G2Y1 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_E9CGZ5 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_UPI00035956B7 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_UPI0002B4A01D | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_UPI0003F05835 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_A8PBZ0 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_B3SAN9 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_F4P544 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_E4X982 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_A5HUF0 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_U6HC87 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_M5GC12 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_P34574 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_UPI0003AB733A | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_UPI0003F49057 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_R9NWH5 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_S2JKE8 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_H0WIF6 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_A0A044UV10 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_R7S081 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_M7SR20 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_U5H2Q5 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_G1X7J6 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_M5E964 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_F1QZU8 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_F7VTF1 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_G7DYC4 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_C9S116 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_R9AE90 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_A7F5G2 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_UPI0002C43F08 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_U1HXJ0 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_T5AFP4 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_M2MX78 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_A9UQI1 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_N6T4F5 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_L8H0U7 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_G7YMF8 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_UPI000333A230 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_U7PW64 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_F2U3P4 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_A0A024JIJ3 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_L0PBF5 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_G4TBR4 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_M3VZ24 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_N1J8C8 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_S9PXG1 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_U9U729 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_I0Z7L6 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_P25870 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_H3EZS4 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_B6K218 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_C4JUE7 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_M0SYF3 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_C4QYS8 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_A9TN62 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_B8N9R7 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_H2ZKR2 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_C1E1W7 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_A0A058Z4D0 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_J3PQJ9 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_G3B757 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_R0I9D4 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_A5DH83 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_K0L0H5 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_M2W2Q0 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_K8EA55 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_Q39834 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_G4VAK2 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_W1QIH6 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_H3AKV2 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_J5Q1Y8 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_A0A024U3J7 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_D8TW88 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_L1J231 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_D2V5V4 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_H3EZ37 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_UPI0003AB5FED | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_E5SVV3 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_E1ZQ18 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_Q756A8 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_D8R9H5 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_J7R151 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_A4RQV5 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_I2K230 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |
| UniRef90_F0W5K0 | VREKVVGD | TAQQVVI | DDMNDSD | SSNNPIIRRR |

| QUERY | 90 | 100 | 110 | 120 |
|------------------------|---|-----|-----|-----|
| UniRef90_K1PNR3 | I A L K A G K T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_W4V7M7 | I A L K A G K T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_W4ZDG0 | I A L K A G K T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_UPI0003C8E2E1 | I A L K A G K T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_J9K797 | I A L K S S G K N L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_I1G2Y1 | I A L K A G K T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_E9CGZ5 | I A L K A G K T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_UPI00035956B7 | I A L K A A K T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_UPI0002B4A01D | I A L K A G K T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_UPI0003F05835 | I A L K A G K T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_A8PBZ0 | L A L K S S G K T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_B3SAN9 | I A L R A G R K T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_F4P544 | I A L K A A R Q T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_E4X982 | I A L K A G K T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_A5HUF0 | I A L K A G K T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_U6HC87 | M A L K S G N V L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_M5GC12 | I A L K A A R Q T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_P34574 | L A L K S G R Q L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_UPI0003AB733A | I A L K A G K T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_UPI0003F49057 | I A L K S A R Q L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_R9NWH5 | I A L K S A R Q L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_S2JKE8 | M A L K S Q R N L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_H0WIF6 | I A L K A G K T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_A0A044UV10 | L A L K A S R T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_R7S081 | L A L K A G R T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_M7SR20 | I A L R A Q A R Q L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_U5H2Q5 | I A L R A Q A R Q L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_G1X7J6 | I A L K A Q R T L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_M5E964 | L A L K A A R Q L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_F1QZU8 | I A L K A A A R L L Q I I F N N I E M K S K M K A H T M T D D V T F W K W I S S L V N T V | | | |
| UniRef90_F7VTF1 | I A L K A Q R T L L Q I I F D L L E N K A K L K S T N M S E D D V L F W K W I S S E T T L L | | | |
| UniRef90_G7DYC4 | I A L R A Q S R L L Q I I F D D L E G Q K A K V K S A H L M T E D D V V F W K W I S S E T T L L | | | |
| UniRef90_C9S16 | I A L K A Q S R L L Q I I F D D L E G Q K A K V K S A H L M T E D D V V F W K W I S S E T T L L | | | |
| UniRef90_R9AE90 | I A L K A G K Q L L Q I I F D D L E G A K A K L K S A T M N E D D V V F W K W I S S E T T L L | | | |
| UniRef90_A7F5G2 | I A L K A Q S R L L Q I I F D D L E G A K A K L K S A T M N E D D V V F W K W I S S E T T L L | | | |
| UniRef90_UPI0002C43F08 | R A L K A R K T L L Q I I F D D L E G A K A K L K S A L M N E D D V V F W K W I S S E T T L L | | | |
| UniRef90_U1HXJ0 | I A L K A Q S R L L Q I I F D D L E G A K A K L K S A L M N E D D V V F W K W I S S E T T L L | | | |
| UniRef90_T5AFP4 | I A L K A Q S R L L Q I I F D D L E G A K A K L K S A L M N E D D V V F W K W I S S E T T L L | | | |
| UniRef90_M2MX78 | I A L K A G K T L L Q I I F D D L E A Q R A K L K S T N M A E D D V M Y W K W I S S E T T L L | | | |
| UniRef90_A9UQ11 | I A L K A A K T L L Q I I F N N I E T K Q K L K A H T M N S D D V V Q F W R W I S S D N T L L | | | |
| UniRef90_N6T4F5 | I A L K G D T Q N L L Q I I F N N I E M K S K M K A H T M N S D D V V F W K W I S S D S K L | | | |
| UniRef90_L8H0U7 | L A L K D T Q N L L Q I I F N N I G E R A K V N D C V M S E P V I F W K W I S S D S K L | | | |
| UniRef90_G7YMF8 | M A L K A G K T L L Q I I F N N I E L K S K M K A Y H T M T E E E V V F W K W I S S V N T I | | | |
| UniRef90_UPI000333A230 | I A L K A G K T L L Q I I F N N I D T K T R V L K S A H V M A D E D D V V F W K W I S S L S T V | | | |
| UniRef90_U7PW64 | I A L R A G R T L L Q I I F D D L E K K A K L N S A T T N E D D V V Y W K W I S S E T T L L | | | |
| UniRef90_F2U3P4 | I A L R A G R T L L Q I I F N N I D L K Q K V K S C N M V Q D D V E F W K W I S S D D T T L L | | | |
| UniRef90_A0A024JIJ3 | I A L R A G R T L L Q I I F N N I E T K Q R L K S A T A P E D D I V F W K W I S S D D T T L L | | | |
| UniRef90_L0PBF5 | I A L R S E K Q L L Q I I F H L L E T K T K L K A H I M D E D D V Q F W R W I S N D Q A I | | | |
| UniRef90_G4TBR4 | I A L K A Q R Q L L Q I I F N N I E T K T K V K S H V N A E D D V T F W K W I S N T T T I | | | |
| UniRef90_M3VZ24 | I A L K E K N R L L Q I I F N N I E S M K V K S R V L V L N L A D D Y P F W K W Q E H T T V | | | |
| UniRef90_N1J8C8 | I A L K A Q S R L L Q I I F D D L E A E K Q K M K S T I M N E D D V V F W K W I S S E T T L L | | | |
| UniRef90_S9PXG1 | I A L K A Q S R L L Q I I F D D L E A K A K L N S F V M T Q E D D V V Y W T W I S S D S T T L L | | | |
| UniRef90_U9U729 | I A L K A A R Q L L Q I I F N N I E L K S K M K S H T M Q E D D V M F W K W I S N Q K T L L | | | |
| UniRef90_I0Z7L6 | I A L K T A G D S L L Q I I F N N I E M K S K M K S F Q L A Q E P V V I F W K W I S P Q K L L | | | |
| UniRef90_P25870 | L A L K I G Q V L L Q I I S I E Q K M Q L K S C Q M Q E P L E F W K W I S S P N T L L | | | |
| UniRef90_H3EZS4 | I A L K S G K T L L Q I I F D D L E K K A K V K S A H N H N Q E D D V T F W K W I S D E H T L L | | | |
| UniRef90_B6K218 | I A L R A Q A R Q L L Q I I F D D L D A K S I N S A H I M P Q E D D V V Y W T W I S N D N T L L | | | |
| UniRef90_C4JUE7 | I A L K A G R T L L Q I I F D D L Q A K E K L K S A V L T E D D V V Y W K W I S E T S L L | | | |
| UniRef90_M0SYF3 | L A L K T Q D H L L Q I I F N N I D Q K T K L K S H Q M S P E P V V F W K W I S N E Q K M L L | | | |
| UniRef90_C4QYS8 | I S L R N G T T L L Q I I F N N I D T K Q R L K S H F T M S E P V I F W K W I S N E Q T L L | | | |
| UniRef90_A9TN62 | L A L K T Q D H L L Q I I F N N I E L K S K V K A H M M L L E Q V V F W K W I S T S S L L | | | |
| UniRef90_B8N9R7 | I A L K A G R T L L Q I I F D D L G A K Q K L K S A V M N E D D V V Y W K W I S S T K M L L | | | |
| UniRef90_H2ZKR2 | I A L K G G R T L L Q I I F N N I E M K S K L K A H A T M N E D D V V F W K W I S S D N C M L | | | |
| UniRef90_C1E1W7 | I A L K A Q D H L L Q I I F N N I D T K S K M K S H Q M P E S V V Y W R W I S S P S L M | | | |
| UniRef90_A0A058Z4D0 | I A V R D S D Q L L Q I I F N N I E K R A R L K N S T L A G I V F W K W I S D A S T L L | | | |
| UniRef90_J3PQJ9 | L P Y E R N Q L L Q I I F N N I E L K Q R V K S H A M N E D D V S F W K W I S D A S T L L | | | |
| UniRef90_G3B757 | I S L R N G T T L L Q I I F N N I G S K Q R L K S Y T M D E P V V F W K W I S N N E Y L L | | | |
| UniRef90_R0I9D4 | L A L K T Q D H L L Q I I F N N I E A K A K L K S H Q M S P E Q Q V V F W K W I S T P K M L L | | | |
| UniRef90_A5DH83 | I S L R N G T T L L Q I I F N N I G T K Q R L K S F T M S E Q V V F W R W I S T P K M L L | | | |
| UniRef90_K0L0H5 | I S L R N G T T L L Q I I F N N I Q T K E K L K S C S T D E P V I F W K W I S D E Q L L | | | |
| UniRef90_M2W2Q0 | L A L K A G V Q L L Q I I F D D I G K K S K V K S Y V M E E E V L F W K W I S Q K T L L | | | |
| UniRef90_K8EA55 | I A L K G K D H L L Q I I F N N I E Q K A K M K S H Q M D E P V V F W K W I S D A T M L L | | | |
| UniRef90_Q39834 | L A L K T Q D H L L Q I I F N N I E F K S K M K S Y Q I P E Q V S F W K W I S T P K L L L | | | |
| UniRef90_G4VAK2 | M A L K A G K T L L Q I I F N N I E L K S K M K S Y T M P E D D V V F W K W I S S V N T I | | | |
| UniRef90_W1QIH6 | I A L R A N G T T L L Q I I F N N I S T K Q R L K S N Y M S E P V I F W S W I S D D N T I | | | |
| UniRef90_H3AKV2 | I A L A G K P L L Q I I F N N I E M K S K M K A H N M A E E V T F W K W I S N V N T V | | | |
| UniRef90_J5Q1Y8 | I A L G R P Q L L Q I I F N N I A T K Q K L G S H H Q M N E D D V T F W A W I S N D T T L L | | | |
| UniRef90_A0A024U3J7 | T A L R A G R Q L L Q I I F N N I D L R A K M K T H V Q M T E A I V F W R W I S P N T I | | | |
| UniRef90_D8TW88 | I A L K A G D T L L Q I I F N N I D T K T K L K A Y Q M P E T V E F W K W I S P T M L L | | | |
| UniRef90_L1J231 | L A L K S G Q A L L Q I I F N N I E L K S K M K A H T M P E P V V Y W K W I S N E R T M | | | |
| UniRef90_D2V5V4 | L A L R A G N T I Q I I F N N I E M K A K M K E H T M T E Q V V F W R W I S N T N T M | | | |
| UniRef90_H3EZ37 | V A L R F G K K L Q I I F D D L D K K E M I K D H S L D E D D V V F W T W I S D E E T I | | | |
| UniRef90_UPI0003AB5FED | I A L K A G K T L L Q I I F N N I E M K S K M K A H S M A E E E V I F W K W I S V N T V | | | |
| UniRef90_E5SVV3 | L A L K A G K M L Q I I F D I D V K S K V K S C Q F S E E E V V F W R W I S D V N N I | | | |
| UniRef90_E1ZQ18 | I A L K E G D N L Q I I F N N I A T K S K L K S V Q F P Q P V V F W K W I S P S K L L | | | |
| UniRef90_Q756A8 | I S V R N G T L L Q I I F N N I E T K Q K L K S F Q L D E P V I F W S W I S N D K E I L L | | | |
| UniRef90_D8R9H5 | L A L R G N H Q L L Q I I F N N I D T K A K L K A Y Q M N E Q V R L W K W I S P K I I L | | | |
| UniRef90_J7R151 | C V R N G T L L Q I I F N N I E T K T K L K S F T L D E P A I F W K W I S D D V L L | | | |
| UniRef90_A4RQV5 | I A L K V E D S L Q I I F N N I D Q K A K L K G H D M E P V V F W K W I S T P K M L L | | | |
| UniRef90_I2K230 | I A L X Q G T A L Q I I F D D L X Q G A K L K S N I M H E P I V F W Q W I S D N K E I | | | |
| UniRef90_F0W5K0 | I A L R S E N Q L L Q I I F N N I E L R A K M K S F L M T E P V V F W R W I S V N S I | | | |

QUERY
UniRef90_K1PNR3
UniRef90_W4V7RM7
UniRef90_W4ZDGO
UniRef90_UPI0003C8E2E1
UniRef90_J9K797
UniRef90_I1G2Y1
UniRef90_E9CGZ5
UniRef90_UPI00035956B7
UniRef90_UPI0002B4A01D
UniRef90_UPI0003F05835
UniRef90_A8PBZ0
UniRef90_B3SAN9
UniRef90_F4P544
UniRef90_E4X982
UniRef90_A5HUF0
UniRef90_U6HC87
UniRef90_M5GC12
UniRef90_P34574
UniRef90_UPI0003AB733A
UniRef90_UPI0003F49057
UniRef90_R9NWH5
UniRef90_S2JKE8
UniRef90_H0WIF6
UniRef90_A0A044UV10
UniRef90_R7S081
UniRef90_M7SR20
UniRef90_U5H2Q5
UniRef90_G1X7J6
UniRef90_M5E964
UniRef90_F1QZU8
UniRef90_F7VTF1
UniRef90_G7DYC4
UniRef90_C9SJ16
UniRef90_R9AE90
UniRef90_A7F5G2
UniRef90_UPI0002C43F08
UniRef90_U1HXJ0
UniRef90_T5AFP4
UniRef90_M2MX78
UniRef90_A9UQI1
UniRef90_N6T4F5
UniRef90_L8H0U7
UniRef90_G7YMF8
UniRef90_UPI000333A230
UniRef90_U7PW64
UniRef90_F2U3P4
UniRef90_A0A024JIJ3
UniRef90_L0PBF5
UniRef90_G4TBR4
UniRef90_M3VZ24
UniRef90_N1J8C8
UniRef90_S9PXG1
UniRef90_U9U729
UniRef90_I0Z7L6
UniRef90_P25870
UniRef90_H3EZS4
UniRef90_B6K218
UniRef90_C4JUE7
UniRef90_M0SYF3
UniRef90_C4QYS8
UniRef90_A9TN62
UniRef90_B8N9R7
UniRef90_H2ZKR2
UniRef90_C1E1W7
UniRef90_A0A058Z4D0
UniRef90_J3PQJ9
UniRef90_G3B757
UniRef90_R0I9D4
UniRef90_A5DH83
UniRef90_K0L0H5
UniRef90_M2W2Q0
UniRef90_K8EA55
UniRef90_Q39834
UniRef90_G4VAK2
UniRef90_W1QIH6
UniRef90_H3AKV2
UniRef90_J5Q1Y8
UniRef90_A0A024U3J7
UniRef90_D8TW88
UniRef90_L1J231
UniRef90_D2V5V4
UniRef90_H3EZ37
UniRef90_UPI0003AB5FED
UniRef90_E5SVV3
UniRef90_E1ZQ18
UniRef90_Q756A8
UniRef90_D8R9H5
UniRef90_J7R151
UniRef90_A4ARQV5
UniRef90_I2K230
UniRef90_F0W5K0

130 140 150 160
A L V T D N A V Y H W S M E G G D S S Q P V K M F D R H S S L A G G C C C Q Q I I I N Y R T D D
A L V T D E T T S V V Y H W S M E G G D S S Q P V K M F D R H S S L A N G C C C C C Q Q I I I N Y R T D D
A G L V T T E D T T S V V Y H W S M E G G D S S Q P V K M F D R H S S L A N G C C C C C Q Q I I I N Y R T D D
A L V T T E T T S V V Y H W S M E G G D S S Q P V K M F D R H S S L A G G C C C C C Q Q I I I N Y R T D D
A L V T T E T S V V F H W S M E G G D S S Q P V K M F D R H S S L A N G C C C C C Q Q I I I N Y R T D D
A L V T T E T S V V F H W S M E G G D S S Q P V K M F D R H S S L A N G C C C C C Q Q I I I N Y R T D D
A L V T T E T S A V V F H W S M E G G D S S Q P V K M F D R H S S L A G G C C C C C Q Q I I I N Y R T D D
G L V T T E T A S V V F H W A M E G G D S S Q P V K M F D R H S S L A N G C C C C C Q Q I I I N Y R T D D
A L V T T E T A V Y H W N M A G G D S S Q P V K M F D R H S S L A G G C C C C C Q Q I I I N Y R T D D
A L V S E T T A A Y H W S L E G G D S S Q P V K M F D R H S S L S G Y F Q Q I I I N Y R A D D
A L V T T Q T S V V Y H W S L E G G D S L P P E K M F D R H S S L A G S Q Q Q I I I N Y R A S
G L V T T E D A A C Y H W T L E G G E S S P P T K V F D R H S S L A G S C C C C C Q Q I I I N Y R A S
A L V T T A G S V V Y H W S L E E N S S V P V K M F D R H S S L A N A Q Q I I I N Y R T D D
G L V T T E T T A V Y H W S T E D A T A P P Q K V F D R H A S L A G A G T Q I I I N Y R A S
A L V S D T A V Y H W S L E G G D S A Q P M K M F D R H T S L A G C C C C C Q Q I I I N Y R T D D
G L V T T E D T Q V Y H W V I E G G E A A P T K V F D R H A S L A Q G N T Q I I I S Y R A S
G L V T T E R N A V Y H W S M E G G E A A P A K V F D R H V S L A Q Q T Q I I I N Y R A S
G L V T T E R N V Y R W S L E G G D S A P Q K L F E R H A S L S D S Q Q I I I N L R A S
A L V S E T T A A Y H W S M E G G D S P P V K M F E R H S S L A G G F Q Q I I I N Y R T D D
A L V S E T A A Y H W S L Q G G D S P P V K V F E R H S S L A G G C C C C C Q Q I I I N Y R A D D
G L V T T D T A V Y H W S L I D T T T P P Q K V F D R H P T L A S G C C C C C Q Q I I I N Y R V I S
G L V T T E T A V Y H W D I L F A A Q P V E V F K R R N A S L A N G N C C C C C Q Q I I I N Y R I V N
G L V T T D T S V Y H W D I M D P T A Q P V K M F D R N S N L A N T C C C C C Q Q I I I N Y R V N
G L V T T P T S V Y H W S M E N G D S P P Q K V F D R H A S L A D T Q I I I N Y R A S
A L V T T D T A V F H W S M E G G D S P P V K M F D R H A S L A G C C C C C Q Q I I I N Y R T D
G L I T T D G S V Y H W D V F D P N Q P V K V F D R N A S L A Q G N C C C C C Q Q I I I N Y R T S
G L V T T E T S V S W S I S D D A P P V K V F D R H A S L A G S H C C C C C Q Q I I I N L R Q T
G L V T T E S S V F H W D V I D G E N A P V K V F D R N A S L A G S C C C C C Q Q I I I N Y R S T
G L V T T D T T V Y H W D V E D D P N Q P V E V F K R R N P S L A G S C C C C C Q Q I I I N Y R V S
A L V T T K T T V Y H W N M E G G D S X P V K I F D Q H A S L M G C C C C C Q Q I I I H Y W T D
G L V T T D T S V Y H W N V F D D P T Q P V K V F E R N P Q L A G G C C C C C Q Q I I I N Y R V N
G L V T T T S S V Y H W D V F D D P S Q P T R V F E R N A N L A S G C C C C C C Q Q I I I N Y R A S
G L V T T D T A V Y H W N I F D P A Q P K V F E R N A N L Q G G C C C C C Q Q I I I N Y R V S
G I V T T A Q S V Y H W A L E G G D S A P V K M F D R H S S L N G T Q Q I I I N Y R T D
A L V T T E S S V F H W S M E G G D S P P V K M F E R H S S L A G P C C C C C Q Q I I I N Y R C D
A L V T T A T S V Y H W S M E G D N A K P Q K F A R H Q S L A G T Q I I I N Y R V D
A L V T T P T A V Y H W P M D G G E S P P V K M F E R H S S L A G P C C C C C Q Q I I I N Y R C D
A L V T T E T A V F H W A M D G D V P P V K M F D R N F A S L A G C C C C C Q Q I I I Q Y R M D
G L V T T E T G V H H W D V E A N K A P V E V F K R N A A M N A G C C C C C Q Q I I I N Y R I D
G L V T T P T D V F H W S L D D D K E P T K V F T R D A S L A N G C C C C C Q Q I I I N Y R A N
G L I S E T D S I Y H W D V L T N S P S Q P V K L T F E R H P T L A G N T Q Q I I I N Y H F N
G L V T T E T A V Y H W P L V S E M Q P V K V F D R H A S M A G N T Q I I I N Y H V N
G L V T T E T A V Y H W T L S D T S A Q Q K V F D R H A S L A G A Q Q I I I N Y R A T
L I I N T H N V T Y C F T D K N K N Q P T K K S N T H T S I A Q Q Q Q Q T C Y K F Q
G L V T T E T A V Y C H W D L E N G S D P V K M F K R S Q N S L A N G T C C C C C Q Q I I I S Y R S N
G L V T T G T A V Y H W S M E G G D S A P A K M F D R H A N L A N S Q Q I I I N Y R V V
G L V T T A T T V Y H W D M N G P S S D P E K V F D R T A N L E N T Q Q I I I N Y R V D
A L V T T A T S V F H W T K E G G N S D P V K V F D R H P D L Q N T E I I I N Y R S D
G L V T T E A S V Y H W A L L A G G A P F K V F D R H S S L A S G C C C C C Q Q I I I N Y R S N
G I V T T E T S V Y H W S I E G D G E P P L K M F D R S N L N G C C C C C Q Q I I I S Y K V N
G L V T T Q T S V Y H W S I E G D G E P P V R L A D K H V S L T N N N Q I I I N Y R C D
G L V T T Q T A V Y H W S I E G E S E P Q K M F E R T A S L M S N Q Q I I I N Y R C D
G L V T T D S S V Y H W D V F D D P S Q P V K M F D R L P N L A S G C C C C C Q Q I I I N Y R V N
G L V T T E T S V Y H W S M E G G D S E P Q K M F D R T G N L A N G C C C C C Q Q I I I A Y R A S
G I V T T N T A V Y H W S M E G G D S E P Q K M F D R L P A M A S A Q Q I I I N Y R A S
G L I T T G S A V Y F Y W N V F D D N N G P I K L T E R H H S L A N A Q Q I I I N I V A E
G L V T T Q N S V Y H W S I E G D G E P P V K M F D R T A N L A N N A Q I I I N Y K C
G L V T T A S S I Y T W N V F D G Q P P V K L T S R H V N L N N A Q I I I N F V A S N
G L V T S H S V Y H W D C S D S S E P V K M Y D R H S S L M N A Q I I I S Y R A D
G V V T T N T S V Y H W S M S G D S S T E P E K V F D R T A N L A G S Q Q I I I S Y K A S
G I V T T Q T S V Y H W S L E G G D S E P V K M F E R T A N L P N N S Q I I I N Y R C D
A L V T T A T S V Y H W A M D G E N P V K M F E R H Q S L A S S Y R C C D
G L V T T A S S I Y T W A V F D G D T A R H V S L A N C C C C C Q Q I I I T N J A N
A L V T T E T A V Y H W S M E G G D S Q P Q K M F D R H A S L A G C C C C C Q Q I I I N Y R T D
G M V T T E H S V Y H W K V E G Q S A P Q K L F D R H A S L A N G N T Q I I I N Y R M S
G L V T T A G A V Y H W S V E G G D S P P Q K Q F D R H A N L A G N T Q I I I N Y R T S
G L V T T A N A V F H W S V E G G T S A P V K V F E R L P N L A G A Q I I I S Y R T S
A L I T T A T A V Y H W S M D G Q S A P V K M F D R H A N L A N S T I I I N Y R A D
G A V T T E S A V Y H W A L A S N S A P V K A F D R H P T M A N G C C C C C Q Q I I I N Y R A D
A L V T T E T A V Y H W S M E G D S Q P M K M F D R H T S L A G C C C C C Q Q I I I H Y R T D
A L V S P T S V Y H W T M E S E S V P V K M F D R M Q S L S E G R R I I I N Y K A D
G L V T T A T A V Y H W D V E A A S D P V K A F D R A N L L E Q T Q I I I S Y R M D
G F V T T A N S L T C R A F E D G P E P P A R L T A R A N A L K N G T Q I I I N F V A N
G L V T T Q D A V Y H W S V E G G E P V K M F E R A N L N G H Q Q I I I N Y R C D
V F V T T A R A I L T C S V F D D N S K P Q M L T Q R T H Q N L N N C C C C C Q Q I I I N V J A N
G I V T T N T A V Y F H W S I M D D A N A P V K V F D R T A N L A N G N T Q I I I S Y K A S
G L V S A Q K I Y T W N V D D G T S P V E L T S R R H V S L A N C C C C C Q Q I I I T Q M V T N
A L V T T A T A V F H W S L E G G D S P P V K I F D R H A N L A T G T Q I I S Y E A S

QUERY UniRef90_K1PNR3 UniRef90_W4V7RM7 UniRef90_W4ZDGO UniRef90_UPI0003C8E2E1 UniRef90_J9K797 UniRef90_I1G2Y1 UniRef90_E9CGZ5 UniRef90_UPI00035956B7 UniRef90_UPI0002B4A01D UniRef90_UPI0003F05835 UniRef90_A8PBZ0 UniRef90_B3SAN9 UniRef90_F4P544 UniRef90_E4X982 UniRef90_A5HUF0 UniRef90_U6HC87 UniRef90_M5GC12 UniRef90_P34574 UniRef90_UPI0003AB733A UniRef90_UPI0003F49057 UniRef90_R9NWH5 UniRef90_S2JKE8 UniRef90_H0WIF6 UniRef90_A0A044UV10 UniRef90_R7S081 UniRef90_M7SR20 UniRef90_U5H2Q5 UniRef90_G1X7J6 UniRef90_M5E964 UniRef90_F1QZU8 UniRef90_F7VTF1 UniRef90_G7DYC4 UniRef90_C9SJ16 UniRef90_R9AE90 UniRef90_A7F5G2 UniRef90_UPI0002C43F08 UniRef90_U1HXJ0 UniRef90_T5AFP4 UniRef90_A2MX78 UniRef90_M9UQI1 UniRef90_N6T4F5 UniRef90_L8H0U7 UniRef90_G7YMF8 UniRef90_UPI000333A230 UniRef90_U7PW64 UniRef90_F2U3P4 UniRef90_A0A024JIJ3 UniRef90_L0PBF5 UniRef90_G4TBR4 UniRef90_M3VZ24 UniRef90_N1J8C8 UniRef90_S9PXG1 UniRef90_U9U729 UniRef90_I0Z7L6 UniRef90_P25870 UniRef90_H3EZS4 UniRef90_B6K218 UniRef90_C4JUE7 UniRef90_M0SYF3 UniRef90_C4QYS8 UniRef90_A9TN62 UniRef90_B8N9R7 UniRef90_H2ZKR2 UniRef90_C1E1W7 UniRef90_A0A058Z4D0 UniRef90_J3PQJ9 UniRef90_G3B757 UniRef90_R0I9D4 UniRef90_A5DH83 UniRef90_K0L0H5 UniRef90_M2W2Q0 UniRef90_K8EA55 UniRef90_Q39834 UniRef90_G4VAK2 UniRef90_W1QIH6 UniRef90_H3AKV2 UniRef90_J5Q1Y8 UniRef90_A0A024U3J7 UniRef90_D8TW88 UniRef90_L1J231 UniRef90_D2V5V4 UniRef90_H3EZ37 UniRef90_UPI0003AB5FED UniRef90_E5SVW3 UniRef90_E1ZQ18 UniRef90_Q756A8 UniRef90_D8R9H5 UniRef90_J7R151 UniRef90_A4RQV5 UniRef90_I2K230 UniRef90_F0W5K0

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

QUERY UniRef90_K1PNR3 UniRef90_W4VZRM7 UniRef90_W4ZDGO UniRef90_UPI0003C8E2E1 UniRef90_J9K797 UniRef90_I1G2Y1 UniRef90_E9CGZ5 UniRef90_UPI00035956B7 UniRef90_UPI0002B4A01D UniRef90_UPI0003F05835 UniRef90_A8PBZ0 UniRef90_B3SAN9 UniRef90_F4P544 UniRef90_E4X982 UniRef90_A5HUF0 UniRef90_U6HC87 UniRef90_M5GC12 UniRef90_P34574 UniRef90_UPI0003AB733A UniRef90_UPI0003F49057 UniRef90_R9NWH5 UniRef90_S2JKE8 UniRef90_H0WIF6 UniRef90_A0A044UV10 UniRef90_R7S081 UniRef90_M7SR20 UniRef90_U5H2Q5 UniRef90_G1X7J6 UniRef90_M5E964 UniRef90_F1QZU8 UniRef90_F7VTF1 UniRef90_G7DYC4 UniRef90_C9SJ16 UniRef90_R9AE90 UniRef90_A7F5G2 UniRef90_UPI0002C43F08 UniRef90_U1HXJ0 UniRef90_T5AFP4 UniRef90_M2MX78 UniRef90_A9UQI1 UniRef90_N6T4F5 UniRef90_L8H0U7 UniRef90_G7YMF8 UniRef90_UPI000333A230 UniRef90_U7PW64 UniRef90_F2U3P4 UniRef90_A0A024JIJ3 UniRef90_L0PBF5 UniRef90_G4TBR4 UniRef90_M3VZ24 UniRef90_N1J8C8 UniRef90_S9PXG1 UniRef90_U9U729 UniRef90_I0Z7L6 UniRef90_P25870 UniRef90_H3EZS4 UniRef90_B6K218 UniRef90_C4JUE7 UniRef90_M0SYF3 UniRef90_C4QYS8 UniRef90_A9TN62 UniRef90_B8N9R7 UniRef90_H2ZKR2 UniRef90_C1E1W7 UniRef90_A0A058Z4D0 UniRef90_J3PQJ9 UniRef90_G3B757 UniRef90_R0I9D4 UniRef90_A5DH83 UniRef90_K0L0H5 UniRef90_M2W2Q0 UniRef90_K8EA55 UniRef90_Q39834 UniRef90_G4VAK2 UniRef90_W1QIH6 UniRef90_H3AKV2 UniRef90_J5Q1Y8 UniRef90_A0A024U3J7 UniRef90_D8TW88 UniRef90_L1J231 UniRef90_D2V5V4 UniRef90_H3EZ37 UniRef90_UPI0003AB5FED UniRef90_E5SVW3 UniRef90_E1ZQ18 UniRef90_Q756A8 UniRef90_D8R9H5 UniRef90_J7R151 UniRef90_A4RQV5 UniRef90_I2K230 UniRef90_F0W5K0

250 260 270 280

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

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

| QUERY | 290 | 300 | 310 | 320 |
|------------------------|--------|------|------|-------|
| UniRef90_K1PNR3 | GGYIHL | YDDI | ETTT | YMNRI |
| UniRef90_W4VVM7 | GGYIHL | YDDI | TTGT | YMNRI |
| UniRef90_W4ZDG0 | GGYVHL | YDDV | TTAT | YMNRI |
| UniRef90_UPI0003C8E2E1 | GGYLHL | YDDL | ETST | YMNRI |
| UniRef90_J9K797 | GGYIHL | YDDI | ETAT | YMNRI |
| UniRef90_I1G2Y1 | GGYIHL | YDDI | ETTT | YMNRI |
| UniRef90_E9CGZ5 | GGYVHL | YDDL | ETTT | YMNRI |
| UniRef90_UPI00035956B7 | GGYIHL | YDDI | ETTT | YMNRI |
| UniRef90_UPI0002B4A01D | GGYIHL | YDDV | ETSA | YMNRI |
| UniRef90_UPI0003F05835 | GGYLHL | YDDL | ETSG | YMNRI |
| UniRef90_A8PBZ0 | GGYVHL | YDDV | ETAV | YMNRI |
| UniRef90_B3SAN9 | GGYVHL | YDDA | ETAV | YMNRI |
| UniRef90_F4P544 | GGFIHL | YDDI | ETTT | YMNRI |
| UniRef90_E4X982 | GGYIHL | YDDV | ETTT | YMNRI |
| UniRef90_A5HUF0 | GGYIHL | YDDI | ETTT | YMNRI |
| UniRef90_U6HC87 | GGYLHL | YDDL | ETTT | YMNRI |
| UniRef90_M5GC12 | GGFIHL | YDDL | ETAA | YMNRI |
| UniRef90_P34574 | GGYVHL | YDDV | ETSG | YMNRI |
| UniRef90_UPI0003AB733A | GGYLHL | YDDL | ETSG | YMNRI |
| UniRef90_UPI0003F49057 | GGFIHL | YDEE | ETSG | YMNRI |
| UniRef90_R9NWH5 | GGFIHL | YDDL | ETSG | YMNRI |
| UniRef90_S2JKE8 | GGFIHL | YDDL | ETSG | YMNRI |
| UniRef90_H0WIF6 | SSYLHL | YDDL | ETAV | YMNRI |
| UniRef90_A0A044UV10 | GGYVHL | YDDI | ETSA | YMNRI |
| UniRef90_R7S081 | GGFIHL | YDDL | ETSA | YMNRI |
| UniRef90_M7SR20 | GGFIHL | YDDL | ETSA | YMNRI |
| UniRef90_U5H2Q5 | GGFIHL | YDDL | ETSG | YMNRI |
| UniRef90_G1X7J6 | GGFIHL | YDDL | ETSG | YMNRI |
| UniRef90_M5E964 | GGFIHL | YDDL | ETSG | YMNRI |
| UniRef90_F1QZU8 | GGYFHL | YDDI | ETSG | YMNRI |
| UniRef90_F7VTF1 | GGFIHL | YDDL | ETAT | YMNRI |
| UniRef90_G7DYC4 | GGFIHL | YDDL | ETSG | YMNRI |
| UniRef90_C9SJ16 | GGFVHL | YDDI | ETSG | YMNRI |
| UniRef90_R9AE90 | GGFVHL | YDDI | ETNG | YMNRI |
| UniRef90_A7F5G2 | GGFIHL | YDDL | ETSG | YMNRI |
| UniRef90_UPI0002C43F08 | GGYIHL | YDDI | ETSG | YMNRI |
| UniRef90_U1HXJ0 | GGFIHL | YDDL | ETSG | YMNRI |
| UniRef90_T5AFP4 | GGFIHL | YDDL | ETTT | YMNRI |
| UniRef90_M2MX78 | GGFIHL | YDDL | ETTT | YMNRI |
| UniRef90_A9UQI1 | GGYLHL | FDDV | ETAS | YMNRI |
| UniRef90_N6T4F5 | GGYIHL | FDDV | ETSA | YMNRI |
| UniRef90_L8H0U7 | GGYIHL | FDDV | ETSA | YMNRI |
| UniRef90_G7YMF8 | GGYLHL | FDDV | ETSG | YMNRI |
| UniRef90_UPI000333A230 | GGYVHL | FDDI | ETSG | YMNRI |
| UniRef90_U7PW64 | GGYVHL | FDDI | ETSG | YMNRI |
| UniRef90_F2U3P4 | GGYLHL | FDDI | ETSG | YMNRI |
| UniRef90_A0A024JIJ3 | GGFLHL | FDDI | ETSG | YMNRI |
| UniRef90_L0PBF5 | GGFIHL | FDDI | ETSG | YMNRI |
| UniRef90_G4TBR4 | GGFIHL | FDDV | ETSG | YMNRI |
| UniRef90_M3VZ24 | GGYLHL | FDDV | ETSG | YMNRI |
| UniRef90_N1J8C8 | GGFIHL | FDDI | ETTT | YMNRI |
| UniRef90_S9PXG1 | GGFIHL | FDDI | ETTT | YMNRI |
| UniRef90_U9U729 | GGYLHL | FDDI | ETTT | YMNRI |
| UniRef90_I0Z7L6 | GGYLHL | FDDI | ETTT | YMNRI |
| UniRef90_P25870 | GGYIHL | FDDL | ETAN | YMNRI |
| UniRef90_H3EZS4 | GGFVHL | FDDL | ETAN | YMNRI |
| UniRef90_B6K218 | GGFIHL | FDDI | ETAK | YMNRI |
| UniRef90_C4JUE7 | GGFIHL | FDDI | ETAK | YMNRI |
| UniRef90_M0SYF3 | GGFLHL | FDDI | ETAT | YMNRI |
| UniRef90_C4QYS8 | GGFIHL | FDDV | ETST | YMNRI |
| UniRef90_A9TN62 | GGFLHL | FDDI | ETAT | YMNRI |
| UniRef90_B8N9R7 | GGFIHL | FDDI | ETTT | YMNRI |
| UniRef90_H2ZKR2 | GGYIHL | FDDI | ETTT | YMNRI |
| UniRef90_C1E1W7 | GGFLHL | FDDI | ETTT | YMNRI |
| UniRef90_A0A058Z4D0 | GGFIHL | FDDI | ETTT | YMNRI |
| UniRef90_J3PQJ9 | GGFIHL | FDDV | ETTT | YMNRI |
| UniRef90_G3B757 | GGFIHL | FDDI | ETTT | YMNRI |
| UniRef90_R0I9D4 | GGFLHL | FDDI | ETTT | YMNRI |
| UniRef90_A5DH83 | GGFIHL | FDDI | ETTT | YMNRI |
| UniRef90_K0L0H5 | GGFIHL | FDDI | ETTT | YMNRI |
| UniRef90_M2W2Q0 | GGYVHL | FDDI | ETTT | YMNRI |
| UniRef90_K8EA55 | GGFLHL | FDDI | ETTT | YMNRI |
| UniRef90_Q39834 | GGFLHL | FDDI | ETTT | YMNRI |
| UniRef90_G4VAK2 | GGYIHL | FDDI | ETTT | YMNRI |
| UniRef90_W1QIH6 | GGFIHL | FDDI | ETTT | YMNRI |
| UniRef90_H3AKV2 | GGYIHL | FDDI | ETTT | YMNRI |
| UniRef90_J5Q1Y8 | GGFIHL | FDDI | ETTT | YMNRI |
| UniRef90_A0A024U3J7 | GGYLHL | FDDI | ETTT | YMNRI |
| UniRef90_D8TW88 | GGFVHL | FDDI | ETTT | YMNRI |
| UniRef90_L1J231 | GGYIHL | FDDV | ETTT | YMNRI |
| UniRef90_D2V5V4 | GGFLHL | FDDV | ETTT | YMNRI |
| UniRef90_H3EZ37 | GGFLHL | FDDV | ETTT | YMNRI |
| UniRef90_UPI0003AB5FED | GGYIHL | FDDV | ETTT | YMNRI |
| UniRef90_E5SVV3 | GGFLHL | FDDI | ETTT | YMNRI |
| UniRef90_E1ZQ18 | GGFLHL | FDDI | ETTT | YMNRI |
| UniRef90_Q756A8 | GGFLHL | FDDI | ETTT | YMNRI |
| UniRef90_D8R9H5 | GGFLHL | FDDI | ETTT | YMNRI |
| UniRef90_J7R151 | GGFLHL | FDDI | ETTT | YMNRI |
| UniRef90_A4RQV5 | GGFLHL | FDDI | ETTT | YMNRI |
| UniRef90_I2K230 | GGFIHL | FDDI | ETTT | YMNRI |
| UniRef90_F0W5K0 | GGYLHL | FDDA | ETTT | YMNRI |

| QUERY | R | K | G | Q | V | L | S | V | C | V | E | E | N | I | V | P | Y | I | T | N | V | L | Q | N | P | D | L | A | L | R | M | A | V | R | N | N | L | L | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| UniRef90_K1PNR3 | R | K | G | Q | V | L | S | V | C | V | E | E | N | I | V | P | Y | I | T | N | V | L | Q | N | P | D | L | A | L | R | M | A | V | R | N | N | L | L | | | |
| UniRef90_W4V7RM7 | R | K | G | Q | V | L | S | V | T | V | D | D | E | N | I | V | P | Y | I | T | N | V | L | Q | N | P | D | L | A | L | R | M | A | V | R | N | N | L | L | | |
| UniRef90_W4ZDGO | R | K | G | Q | V | L | S | V | T | V | D | D | E | N | I | V | P | Y | I | T | N | V | L | Q | N | P | D | L | A | L | R | M | A | V | R | N | N | L | L | | |
| UniRef90_UPI0003C8E2E1 | K | K | G | Q | V | L | S | V | C | V | E | E | D | N | I | V | H | Y | A | A | S | V | L | Q | N | P | D | L | A | L | R | M | A | V | R | N | N | L | L | | |
| UniRef90_J9K797 | R | K | G | Q | V | L | S | V | S | V | E | E | D | N | I | V | P | Y | I | S | N | Q | L | S | H | P | D | L | A | L | R | M | A | V | R | N | N | L | L | | |
| UniRef90_I1G2Y1 | R | K | G | Q | V | L | S | V | S | V | D | E | E | N | I | V | P | Y | I | S | N | Q | L | S | H | P | D | L | A | L | R | M | A | V | R | N | N | L | L | | |
| UniRef90_E9CGZ5 | R | K | G | Q | V | L | S | V | S | V | D | E | E | N | I | V | P | Y | I | S | N | Q | L | S | H | P | D | L | A | L | R | M | A | V | R | N | N | L | L | | |
| UniRef90_UPI00035956B7 | R | K | G | Q | V | L | S | V | S | V | D | E | E | D | N | I | V | P | Y | I | S | N | Q | L | S | H | P | D | L | A | L | R | M | A | V | R | N | N | L | L | |
| UniRef90_UPI0002B4A01D | R | K | G | Q | V | L | S | V | S | C | D | E | E | K | M | V | P | F | L | I | Q | V | K | Q | N | P | D | L | A | L | R | M | A | V | R | N | N | L | L | | |
| UniRef90_UPI0003F05835 | K | T | G | E | V | L | S | V | C | T | D | E | E | D | N | I | M | N | Y | I | I | N | V | L | Q | N | P | D | L | A | L | R | M | A | V | R | N | N | L | L | |
| UniRef90_A8PBZ0 | R | K | G | Q | V | L | S | V | S | T | D | E | E | D | N | I | M | N | Y | I | I | N | V | L | Q | N | P | D | L | A | L | R | M | A | V | R | N | N | L | L | |
| UniRef90_B3SAN9 | R | K | G | Q | V | L | S | V | S | M | D | A | D | K | L | I | P | Y | I | T | N | V | L | Q | N | P | D | L | A | L | R | M | A | V | R | N | N | L | L | | |
| UniRef90_F4P544 | R | K | G | Q | V | L | S | V | S | T | D | E | E | N | I | T | I | P | Y | I | L | N | T | L | R | N | S | E | L | A | Y | R | I | A | T | R | N | N | L | L | |
| UniRef90_E4X982 | R | K | G | Q | V | L | A | V | T | I | E | E | E | S | T | I | V | Q | S | Y | C | Q | G | Q | L | S | H | P | D | L | A | L | R | M | A | V | R | N | N | L | L |
| UniRef90_A5HUF0 | R | K | G | Q | V | L | S | V | S | V | I | D | E | E | S | T | V | N | Y | I | K | G | T | L | S | H | P | D | L | A | L | R | M | A | V | R | N | N | L | L | |
| UniRef90_U6HC87 | R | K | G | Q | V | L | S | V | S | V | I | D | E | E | S | T | V | N | Y | I | K | G | T | L | S | H | P | D | L | A | L | R | M | A | V | R | N | N | L | L | |
| UniRef90_M5GC12 | R | K | G | Q | V | L | S | V | S | V | I | D | E | E | S | T | V | N | Y | I | K | G | T | L | S | H | P | D | L | A | L | R | M | A | V | R | N | N | L | L | |
| UniRef90_P34574 | R | K | G | Q | V | L | S | V | S | V | I | D | E | E | S | T | V | N | Y | I | K | G | T | L | S | H | P | D | L | A | L | R | M | A | V | R | N | N | L | L | |
| UniRef90_UPI0003AB733A | K | K | G | Q | G | I | L | R | T | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UniRef90_UPI0003F49057 | R | K | G | Q | V | L | S | V | S | V | D | E | E | T | V | I | P | Y | I | Q | Q | S | L | N | N | P | E | L | A | L | F | K | L | A | T | R | A | G | L | L | |
| UniRef90_R9NWH5 | R | K | G | Q | V | L | S | V | S | V | D | E | E | D | N | I | V | P | Y | I | L | R | T | L | N | N | S | E | L | A | L | K | L | L | A | S | R | G | G | L | L |
| UniRef90_S2JKE8 | K | K | G | Q | V | L | S | V | S | V | D | E | E | D | N | I | V | P | Y | I | L | R | T | L | N | N | S | E | L | A | L | K | L | L | A | S | R | G | G | L | L |
| UniRef90_HOWIF6 | K | R | G | Q | V | L | S | V | C | V | E | E | D | H | I | N | Y | T | A | D | T | L | Q | N | P | D | L | A | L | R | L | L | A | V | R | N | N | L | L | | |
| UniRef90_A0A044UV10 | R | K | G | Q | V | L | S | V | S | V | D | E | E | D | N | M | I | P | Y | I | T | Q | T | L | N | N | T | E | L | A | F | K | L | L | A | S | R | A | G | L | L |
| UniRef90_R7S081 | R | K | G | Q | V | L | S | V | S | V | D | D | T | T | M | I | P | Y | I | L | L | T | T | L | N | N | T | E | L | A | F | K | L | L | A | S | R | A | N | L | L |
| UniRef90_M7SR20 | R | K | G | Q | V | L | Y | S | V | D | D | D | S | T | M | I | P | Y | I | L | L | Q | N | P | A | N | T | E | D | M | A | V | K | M | A | S | R | A | N | L | L |
| UniRef90_U5H2Q5 | R | K | G | Q | V | L | S | V | T | V | D | D | T | T | M | I | P | Y | I | L | L | Q | N | P | A | N | T | E | D | M | A | V | K | M | A | S | R | A | N | L | L |
| UniRef90_G1X7J6 | R | K | G | Q | V | L | S | V | S | V | D | E | S | N | I | V | P | Y | I | Q | Q | N | P | A | N | T | E | D | M | A | V | K | M | A | S | R | A | N | L | L | |
| UniRef90_M5E964 | R | R | G | Q | V | L | S | V | S | V | D | E | S | N | I | V | P | Y | I | Q | Q | N | P | A | N | T | E | D | M | A | V | K | M | A | S | R | A | N | L | L | |
| UniRef90_F1QZU8 | K | K | G | Q | V | P | Y | V | L | E | E | N | I | V | N | Y | V | T | N | V | L | Q | N | A | D | L | A | L | R | M | A | L | R | S | R | A | G | N | L | L | |
| UniRef90_F7VTF1 | R | K | G | Q | V | L | F | V | S | A | D | E | N | I | V | P | Y | V | L | E | A | H | G | N | E | L | A | I | K | L | A | S | R | A | G | L | L | L | L | | |
| UniRef90_G7DYC4 | R | K | G | Q | V | L | S | V | S | V | D | E | N | N | I | V | H | V | L | E | V | L | P | N | N | V | D | L | A | V | K | L | A | S | R | A | G | L | L | | |
| UniRef90_C9SJ16 | R | K | G | Q | V | L | F | V | T | I | D | D | E | N | I | S | Y | L | L | Q | N | P | A | N | T | E | D | M | A | V | K | M | A | S | R | A | G | L | L | | |
| UniRef90_R9AE90 | R | K | G | Q | V | L | S | V | S | I | D | E | N | T | V | I | P | Y | L | L | S | T | L | N | N | V | E | L | A | F | K | L | A | S | R | A | G | N | L | L | |
| UniRef90_A7F5G2 | R | R | G | Q | V | L | S | V | S | L | D | E | D | T | I | V | P | Y | L | L | Q | N | P | A | N | S | G | L | A | V | K | L | A | S | R | A | G | L | L | | |
| UniRef90_UPI0002C43F08 | K | K | G | Q | V | L | S | V | C | V | K | E | D | N | I | V | N | Y | A | T | N | V | L | X | N | P | D | L | A | L | R | L | L | A | S | R | A | G | L | L | |
| UniRef90_U1HXJ0 | R | K | G | Q | V | L | A | V | S | V | D | E | N | T | I | H | Y | L | L | Q | N | P | A | N | T | E | D | L | A | V | K | L | A | S | R | A | G | L | L | | |
| UniRef90_T5AFP4 | R | R | G | Q | V | L | F | V | T | V | D | D | T | T | I | P | Y | L | L | E | N | P | A | N | T | E | D | L | A | V | K | L | A | S | R | A | G | L | L | | |
| UniRef90_M2MX78 | R | K | G | Q | V | L | S | V | S | V | D | E | S | T | V | I | P | Y | L | L | Q | N | P | E | N | A | E | L | A | Y | K | L | A | S | R | A | G | L | L | | |
| UniRef90_A9UQI1 | R | Q | G | Q | V | L | S | V | S | V | D | E | E | A | N | L | V | S | H | V | T | S | Q | L | K | N | P | Q | L | A | L | K | L | A | V | R | A | D | L | L | |
| UniRef90_N6T4F5 | R | R | G | Q | V | L | S | V | S | V | D | E | E | S | T | V | R | Y | I | N | Q | V | L | H | N | P | D | L | A | L | R | L | A | S | R | N | N | L | L | | |
| UniRef90_L8H0U7 | R | K | G | Q | V | L | S | V | T | V | D | E | E | N | I | V | P | Y | I | N | Q | V | L | H | N | P | D | L | A | I | R | K | F | A | S | T | K | N | L | L | |
| UniRef90_G7YMF8 | R | K | G | Q | V | L | S | V | T | I | D | E | D | T | V | V | N | Y | T | T | T | L | D | N | S | A | L | A | L | R | M | A | A | R | C | N | L | L | L | | |
| UniRef90_UPI000333A230 | K | K | G | Q | V | L | S | V | C | V | D | E | D | T | I | V | P | Y | T | A | N | A | L | Q | N | P | D | L | A | L | R | M | A | S | R | G | N | L | L | | |
| UniRef90_U7PW64 | R | K | G | Q | V | L | S | V | K | V | I | D | E | D | T | V | I | P | Y | L | L | Q | N | P | A | N | T | E | L | A | L | K | I | A | S | R | G | N | L | L | |
| UniRef90_F2U3P4 | R | A | G | Q | V | L | T | V | T | I | D | E | E | D | N | I | V | P | Y | I | T | S | Q | L | K | N | P | Q | L | A | L | S | L | A | V | R | G | N | L | L | |
| UniRef90_A0A024JIJ3 | R | K | G | Q | V | L | S | V | S | V | D | E | E | S | T | I | V | P | Y | I | L | N | N | L | G | N | S | S | L | A | L | A | L | A | S | R | A | G | L | L | |
| UniRef90_L0PBF5 | R | K | G | Q | V | L | S | V | S | I | D | E | E | S | N | I | F | Y | I | L | N | N | L | G | N | D | T | L | A | L | K | L | A | S | R | A | G | L | L | | |
| UniRef90_G4TBR4 | K | K | G | Q | V | L | S | V | S | V | D | E | E | Q | T | V | P | Y | L | L | S | V | L | N | N | T | E | L | A | F | K | M | A | S | R | A | N | L | L | | |
| UniRef90_M3VZ24 | K | K | G | Q | V | L | S | V | C | V | E | E | D | N | I | V | N | Y | A | T | S | V | L | Q | N | P | D | L | A | L | R | L | A | S | R | A | N | L | L | | |
| UniRef90_N1J8C8 | R | K | G | Q | V | L | S | V | T | I | D | E | N | N | I | V | P | Y | L | L | G | N | P | A | N | S | N | L | A | V | K | L | A | S | R | A | N | L | L | | |
| UniRef90_S9PXG1 | R | K | G | Q | V | L | S | V | S | I | D | E | N | T | V | I | P | Y | I | L | N | N | L | T | D | A | G | L | A | V | R | L | A | S | R | A | N | L | L | | |
| UniRef90_U9U729 | R | K | G | Q | V | L | S | V | C | V | I | D | E | S | Q | L | I | P | Y | I | L | N | N | L | S | E | L | A | L | R | I | A | S | R | C | N | L | L | | | |
| UniRef90_I0Z7L6 | R | R | G | Q | V | L | A | T | V | N | E | S | Q | T | M | V | P | F | V | S | Q | L | N | N | L | E | L | A | L | S | L | A | K | R | G | N | L | L | | | |
| UniRef90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

UniRef90_D5GAZ2
UniRef90_I2H1N1
UniRef90_COS1N0
UniRef90_W6MPL8
UniRef90_H2ZKR4
UniRef90_I2H9C8
UniRef90_QOUXK7
UniRef90_D7FWD1
UniRef90_M1VB59
UniRef90_B7G4Y3
UniRef90_A0A016VWCL9
UniRef90_B8C8U9
UniRef90_R7QJX3
UniRef90_F0XZJ1
UniRef90_W7U8K2
UniRef90_G0U6P4
UniRef90_M0U5G0
UniRef90_Q4D5X2
UniRef90_C5LU36
UniRef90_S9X013
UniRef90_B3RJM4
UniRef90_J9IJT0
UniRef90_S9V6R4
UniRef90_I1INH6
UniRef90_F0VC81
UniRef90_W6KXS3
UniRef90_F4PSA2
UniRef90_H3GST0
UniRef90_A0CHK3
UniRef90_U6KTM1
UniRef90_A4HP23
UniRef90_D8M951
UniRef90_L8GHN7
UniRef90_UPI0002C3F32B
UniRef90_R1G410
UniRef90_Q6CGR2
UniRef90_V4C715
UniRef90_K1S249
UniRef90_A7AVF3
UniRef90_B4M2G4
UniRef90_F2T2W6
UniRef90_G0R3W3
UniRef90_UPI000359E33E
UniRef90_B0E8A8
UniRef90_Q01GQ0
UniRef90_L5JQN5
UniRef90_I7LUR8
UniRef90_Q5C0K5
UniRef90_G0QNN6
UniRef90_Q4YW66
UniRef90_J4C8N7
UniRef90_L1L3L3
UniRef90_A2EV08
UniRef90_Q4MZN7
UniRef90_T1J7J8
UniRef90_H3EZ40
UniRef90_S8CTW8
UniRef90_B6AAW2
UniRef90_Q5CW85
UniRef90_A0A023BBU4
UniRef90_K7TW92
UniRef90_M7C6V7
UniRef90_Q4UBV3
UniRef90_H0ZWF2
UniRef90_A0A059LIE2
UniRef90_UPI000462C4E3
UniRef90_G0UW11
UniRef90_I7J5F9
UniRef90_UPI0004412B75
UniRef90_J0LG90
UniRef90_G5C053
UniRef90_B7PKR1
UniRef90_V6LQ88
UniRef90_G5A574
UniRef90_X6LUN3
UniRef90_H3E3K8
UniRef90_W9RJ04
UniRef90_C6LPC0
UniRef90_C4Y0J8
UniRef90_E9HVQ6
UniRef90_UPI000234F527
UniRef90_UPI0002652085
UniRef90_M7C9Z7
UniRef90_Q4X9B7
UniRef90_S9WPW6
UniRef90_F6H4R6
UniRef90_X6LTI8
UniRef90_E9C964
UniRef90_E5SPL0
UniRef90_A5B512
UniRef90_D7G8K6
UniRef90_X6MRT9

1 10 20 30 40
M S S D L P I E F T E L V D L T S I G I S P Q S L D F R S T T F E S D R F V V T
M A N D L P I K F T E L L Q L Q S V G V L E N A I G S D S C T L E S D D Q H V V C C
M S N E F P I D L T E V A Q L T S L G I S P S S L D F G S T T L T M E S D K F I V C C
M A S P I P I D F T E I T E L E A I G I S P E Y F N S R S L T T M E S D D Y F V T
M A S P I P L H V A Q P T L L T N L N I S P E Y F N S R S L T T M E S D D K Y V C C
M A A A P V V F E E L F T L P S V G I S P T H I S F S N V T M E S D R D R I V C C
M A A T P I T F T E A V L N L S D L G I S P E A A I K H G K T T M E S D R F I V
M A L L P I R F H E H L Q L T N V G I R P Q N I C F A N V T M E S D K F I V
M A G V P I A F S E V L N L Q Q L G I P E T S I K H G L T T M E S D K W I V
M A A S A P I K L K E A F S M L S V G V H P S S L T F S S A S L T M E S D R H V V
M A Q H P I V L L E L L D L P A L G V N P E A V K F G S T T M E S D K F I V
P I S F A E V F Q L N S V G L Q P G A I S F K T L T L E S D K Y V C
S S S P L T T A E V F Q L N S V G L R P G T I S F K T L T L E S D K Y V C
D S P I A V T E V F Q L N S D L G I N S K D F R F G V L T M E S D K Y V A
L K D Q G I L A K D V G F N A L T I P S D R F I V C C C C
N A L P I K L N E L F K L A N V G L N A D L F K F G N L T L E S E K I V C C C C
M A N S P L G I N E V F Q L N S V G L R P G S V S F K N V T I T S D K Y V C C C C
M A Q Q F P I Q L H S V V N L A D Q G V S A S S F R F G N V A M H G D K N L V
N S P V I V N E I F Q L N S I G L R P G T I S F K N V T I D G E K Y V C
M N P I R P I R V Q E A Y R F S Q L G V S Q T N F K F G Q I F F E S D K Y I T
M A Q Q L P I Q L T P I V N L G D I G V K S A S F R F G N V A V E G D K H L V
E V F Q L N S V G L R P G S I A F K N V T M E S E K Y I V C C C
M A N R P P I I F E E L A F L P S L G I S G D S I S F T A I S M E S D K R I C C
A Q G L P I K F Q E L V Q L T N V G I N P Q F I S F A S L T M E S E K Y I C
P I T I T E M L Q L A H I G V P S D Q V T W S R V T M I S D R W I A
P R P P V S T Q E I L Q L P D F G I G L E C V T W S R V A L T T D K W M A
M A G A P V K I N T L L R L N S L G F K D G C F R F G A L T L G G D R F I V C C
M T Q P I R F Q E H L Q L T N V G I N P N S F S F S T L T M E S D K F I V C C
M A N D I P I K L T E L L Q L K S I G I S T V E S D R F V C C C
Q G G P L K I T Q L T N I T S L G I D P Q Y L K L N S T S F E S E K T I C C
M A I R P P I I T I N E L V Q L A H I G I P N T Q V T W S R V T M T S D K W I A
P L Q I K E V V R L D R F V K P E S I G F T S V S I E G D K H F T
M Q G G V P I R V Q T V A S L T Q L G V G S E Y L K F N Q T S F Q S D R T I C C
M A P Q M P I K F Q E H L Q L V S V G I Q P S S I G F S T L T M E S D K F I C C
S K L P V R I Q N V C S L L N L G I D P Q Y L K L G V T S F E S D R C I S
M S S N S P I S V N L V D N L S S Y N I Q N E S F R L G N V S I E G D K F I C C
M S T N P V L L S T V L D L K K L G F A E S S F K F D V L S L E G D R Y V C C
S V N P V K V S T A L D L K D L G F S E S F K F D S L T L E G D R F V C C
M S Q P I Y V N E V F S F S S Q N M D P K F A V P A N A A I S K D K Y L C C C
M S K N P I T T Q T I L N L R E L G F V E G N F K F D V L S L E G D R Y V C C
M A N N P P M S V T E L L Q L T H L G I P L E H I T W P R V S M T S D N W I C C
P L K V K E L L Q L S D Y G V Q K D L I Q D S T M Q S D N F I V
M K G G V P I A A N I L V N L E E L G I G S S C F R F G S V T L E G D K Y V G
I P I T T N V L A N L E E L G I N S S C F R F G S L T L E G D K Y V G
S N S G P L L V N T L V S L L N Y N F N E K A F R F N L T T F G G D R Y I C C
A A N A P I A M R E A L T L T S L G I A P Q F V T F T H V T M E S E K Y I C C
N N Y P I I T N T I L N L R N L G F V D N N F K F D V L S L E D R Y I S
M A A G A P I N V R E V V N L P N L G I Q S G S I T F T N V T L E S D K Y L C C
P M S P V R L E V L S Q L Q A H G I V A E Y I T Y P R V T L T S S R L C C C
D N P L V T A E V F Q L N S V G L R P G S I S F K I V T L Q S D K Y V C C C
I S Y K T I V N L K E L G L N P S F F R F N V L T M E S C R H V V C C
M A S A L I V S H Q D H L L R V G G L Q Q G R I E H V N L A S N R A A V
M S N P I Q L N T I L N T Q E R L V P D Q T L K S S F F S I A S E L G F C C
M A S A L S I N E L F T L R D A Q V P E G S C S P E H L T V S S S G I C C
S D I P I N F T Q L S E L T Q L G I S P Q S L D F K S T T L E S D H Y I C C
L S N L G I S E S G V F L H S L N W S N E S L V T M E S E K C I C C
A G D G P L S I Q Q V F Q L S Y G V K S E Q V T F P R V T A S S H R W I C C
P P V R V E V L T Q L Q H H G I P P E Q I T Y P R V T L S A P W R L C C
A S G P P L Y V K H H A E L T K L G I K H S L L R N G T L S L Q S D R Y V T

UniRef90_D5GAZ2
UniRef90_I2H1N1
UniRef90_COS1N0
UniRef90_W6MPL8
UniRef90_H2ZKR4
UniRef90_I2H9C8
UniRef90_Q0UXK7
UniRef90_D7FWD1
UniRef90_M1VB59
UniRef90_B7G4Y3
UniRef90_A0A016VCL9
UniRef90_B8C8U9
UniRef90_R7QJX3
UniRef90_F0XZJ1
UniRef90_W7U8K2
UniRef90_G0U6P4
UniRef90_M0U5G0
UniRef90_Q4D5X2
UniRef90_C5LU36
UniRef90_S9X013
UniRef90_B3RJM4
UniRef90_J9IJT0
UniRef90_S9V6R4
UniRef90_I11NH6
UniRef90_F0VC81
UniRef90_W6KXS3
UniRef90_F4PSA2
UniRef90_H3GST0
UniRef90_A0CHK3
UniRef90_U6KTM1
UniRef90_A4HP23
UniRef90_D8M951
UniRef90_L8GHN7
UniRef90_UPI0002C3F32B
UniRef90_R1G410
UniRef90_Q6CGR2
UniRef90_V4C715
UniRef90_K1S249
UniRef90_A7AVF3
UniRef90_B4M2G4
UniRef90_F2T2W6
UniRef90_G0R3W3
UniRef90_UPI000359E33E
UniRef90_B0E8A8
UniRef90_Q01GQ0
UniRef90_L5JQN5
UniRef90_I7LUR8
UniRef90_Q5C0K5
UniRef90_G0QNN6
UniRef90_Q4YV66
UniRef90_J4C8N7
UniRef90_L1LBL3
UniRef90_A2EV08
UniRef90_Q4MZN7
UniRef90_T1J7J8
UniRef90_H3EZ40
UniRef90_S8CTW8
UniRef90_B6AAW2
UniRef90_Q5CW85
UniRef90_A0A023BBU4
UniRef90_K7TW92
UniRef90_M7C6V7
UniRef90_Q4UBV3
UniRef90_H0ZWF2
UniRef90_A0A059LIE2
UniRef90_UPI000462C4E3
UniRef90_G0UW11
UniRef90_I7J5F9
UniRef90_UPI0004412B75
UniRef90_J0LG90
UniRef90_G5C053
UniRef90_B7PKR1
UniRef90_V6LQ88
UniRef90_G5A574
UniRef90_X6LUN3
UniRef90_H3E3K8
UniRef90_W9RJ04
UniRef90_C6LPC0
UniRef90_C4Y0J8
UniRef90_E9HVQ6
UniRef90_UPI000234F527
UniRef90_UPI0002652085
UniRef90_M7C9Z7
UniRef90_Q4X9B7
UniRef90_S9WPV6
UniRef90_F6H4R6
UniRef90_X6LT18
UniRef90_E9C964
UniRef90_E5SPL0
UniRef90_A5B512
UniRef90_D7G8K6
UniRef90_X6MRT9

50 60 70 80

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

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

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

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

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

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

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

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

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

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

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

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

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

Q Q D S A G H V S V L D L W H R G R T V R Y P V A A D R A A M S P N Q S V

UniRef90_D5GAZ2 I A L K A Q R T L V Q I F N L L E A K E K L K S H T M N E D V V F W K W I S E R S L
UniRef90_I2H1N1 I S V R R N G T T L V Q I F N L L E A K E K L K S F T L N D P C V F W T W L S D D K H L
UniRef90_COS1N0 I S L R R N G T T L V Q I F N L L E A K E K L K S F T L N D P V I F W K W L S D D R T L
UniRef90_W6MPL8 I S L R R N G T T L V Q I F N L L E A K E K L K S F T L N D P V I F W K W L S D D R T L
UniRef90_H2ZKR4 I A L K G G R T L V Q I F N L L E A K E K L K S H T M N D P I L F W K W L S D S T N M L
UniRef90_I2H9C8 I A V R N G T T L V Q V F N L L E T K E K L K S F Q M N D D P I L F W K W L S D S T N L
UniRef90_QOUXK7 I A L K A G R T L V Q V F N L L E T K E K L K S H T M N D P I Q L F W R W L S D S Q T T L
UniRef90_D7FWD1 V A L R A G G Q L Q I F N L L E A K S R L K S H T I S E P I V F W K W F D A T T T I
UniRef90_M1VB59 I A L R A G A Q I Q I F N L L E T S K T R I K S Y L L S E D I L F W K W L S S G R T L
UniRef90_B7G4Y3 L A L R S G V N V Q I F N L L E T D T R Q K L K S H Q L T E P C V Y W K W T S S N L
UniRef90_A0A016VWCL9 I A L K S G K T L Q I F N L L E L K A K V K S H Q N A S D I I F W K W L N E K T I
UniRef90_B8C8U9 L A L R S G K M I Q M F N L L D T K Q K L K S H D M D S P I V F W K W T S A D N L
UniRef90_R7QJX3 I A L R F G V N V Q I F N L L E F D L D T K K K L K V A V M P D A I S F W R W L D N D L
UniRef90_F0XZJ1 L A L R A G T Q L Q I F N L L E L R A K M K S H N M T E T V V F W R W T S P N N I
UniRef90_W7U8K2 L A L R A G T Q L Q I F N L L E L R A K M K S Y Q T P D D I I F W R W V T D E R T I
UniRef90_G0U6P4 L A L R S G R N L Q I Y D M D A A R K L K A A A F D E D V V F W T W V D P N T V
UniRef90_M0U5G0 I P G T T Q D H L Q V F N L L E A K T K I K S H Q M P E Q V V F W K W I T P K M L
UniRef90_Q4D5X2 L A L R S G R N L Q V F D V L A A K R L K V V L F S E D V V F W R W V D D R T I
UniRef90_C5LU36 I A L N T G H F L Q V F N L L E T K E K L G S H Q F S N E V V F W R W I P R C
UniRef90_S9X013 L A I R S G R N L Q I F D V L E Q S K R L K A V M F D D D V A F W Q W V D S R T V
UniRef90_B3RJM4 I A I K E G Q K L Q T F D L E M K Q C L K T I F L Q E Y T T F W K W I S V N V I
UniRef90_J9IJT0 I A V R E Q T I V Q V F D L D S R Q K L K Q A E V P E P V T F W R Y I S Q T K I
UniRef90_S9V6R4 L A L R S G R N L Q I F D V L E A S K R L K A V V F T D D V L Y W S W V D E K T V
UniRef90_I11NH6 V A L K V H D H L Q I F N L L E A K T R M K R K N M C E V V V F W K W I P K L L
UniRef90_F0VC81 V A L R A G H H L Q I F N L L E T K A R M G T A Q M S E P V V V W R W I G P N L L
UniRef90_W6KXS3 L A L R S G R N M Q I F D V L D A S K R L K A L V F H D D I V F W R W V D V E T V
UniRef90_F4PSA2 T A L R A E H Q L Q I F N L L E Q R M K L K S F N M S P E V L E F W K W I S S N T L
UniRef90_H3GST0 I A L R N S T V I Q I F N L L E D E K Q R L K N V E L N E T I V F W R W V N P Q K L
UniRef90_A0CHK3 V A L R A Q Q L V Q V F N L L E T K A R M G T A P M S E P I V Y W R W V A P R I L
UniRef90_U6KTM1 L A L R S G R N L Q V F D V E A S R R L K A T L F H D D V V H W G W I D D R T L
UniRef90_A4HP23 V A L R K G L A L Q V F N L L E T K S K V T S S F K L P D N V V Y W C W V D A K T I
UniRef90_D8M951 L A L A S N K T I E I Y D M D S K K A R V T Q C E S P E T V V Y W R W A S T T M I
UniRef90_L8GHN7 M A V A S G T T V Q M F D S S K S K S V A D I T L Q S P L V F W K W A N E H L L
UniRef90_UPI0002C3F32B I A L K A N N Y L Q I F N L L E M K S K M K S H Q L T E P V V V W K W I S P S T V
UniRef90_R1G410 I A V R S K E G L Q A F N L L E T K Q R L G S S Q L S V P V V F W T W V D A E T I
UniRef90_Q6CGR2 M A L K A G L R F E V F N L L D T K V L I S K T R L H E A V V Y W T W V N S D V I
UniRef90_V4C715 I A V K G Q K L E V Y N F E S N A M I S K S T I H E P I A F W T W L N S D V I
UniRef90_K1S249 I A L K N G H F I Q V F H L E T K E K L G T H Q F T E S V V F W N W I S P T K L
UniRef90_A7AVF3 I A L K A Q K T L Q I F N L L E T M K S K M K A H T M N E D V V F W K W I S L N T L
UniRef90_B4M2G4 L A V R S E D N L R I J N L Q T E Q I L K D V R F R V K I L Y W K W I N E R S L
UniRef90_F2T2W6 M A L R T G S Y V F V W N L D Q K Q K L K H I D L T E P I V Y M T W L T P Q I L
UniRef90_G0R3W3 I A L K A G Q R F E V F N L L D T K Q L I S K I K F H E L V I F W T W L T D V I
UniRef90_UPI000359E33E M A V A A G T T V Q M F D V Q S K S K V A D I T L Q T P L V F W K W A N E H L L
UniRef90_B0E8A8 M E P V V F W K W I T P T M L
UniRef90_Q01GQ0
UniRef90_L5JQN5
UniRef90_I7LUR8 L S M R V G C Y V Q I Y N L D N R E K L K H I D L N E N I V Y M T W V N N N I L
UniRef90_Q5C0K5 M A L K A G K L Q I F N L L E L K K S K M K T Y T M P E D V V F C K W I S V N T I
UniRef90_G0QNN6 I V L K A A C Y V Q I F N L L D N K Q K L K H I D L N E N I Q Y M T W V N A T N L
UniRef90_Q4YW66 L A L R N T I F L Q V F N L L E T K E K L C S L N L N E H I N Y W K W I N N D T I
UniRef90_J4C8N7 I A L R S N C F V Q V F N L L E T K E K M G Y H Q F D E Q K V S Y W K W L T N K E L
UniRef90_L1LBL3 I A L K S G Y F V Q I F H L E T K E K I G Y H Q F E E N I V F W K W I S Q D D L
UniRef90_A2EV08 I A L R G N N A L Q V F D L N T R Q R L K S F S V P D Q V T Y W K F I D D D I L
UniRef90_Q4MZN7 I A L R N G S Y S V F V F N L L E N K E K L G Y H Q F D Q K I T Y W K W L S T S E L
UniRef90_T1J7J8 I A L K G K P N I E V V E M E T K S R I C T I V I T C D V I F W T W L N A R L I
UniRef90_H3EZ40 I A C R N A S V L G I F D V I E K E T K L K E H R S N A K I V F W K W L D E E T I
UniRef90_S8CTW8
UniRef90_B6AAW2 L V V R N G C T V Q I F N L L G S K E K L G A F V F P E S I V Y W R W L N S R I L
UniRef90_Q5CW85 L V V R N G C T V Q I F N L L D S K E K L G A F L F P E S V V F W R W L T P R I L
UniRef90_A0A023BBU4 L A L R S G Q F I Q V F D L T S K A R L G E H A F K D D I C Y W R W L H D R S L
UniRef90_K7TW92 L A L K T Q D H L Q I F N L L E A K T K L K S H Q M P E Q V V F W K W I T P K L L
UniRef90_M7C6V7
UniRef90_Q4UBV3 T A L R N N Y S I Q V Y L I Y T N F S Y Y Q F D Q R I I Y W K W L N N M E L
UniRef90_H0ZWF2
UniRef90_A0A059LIE2 I A L K S G D S L Q I F N L L G T K T K L K S V Q F P Q Q V V F W K W V T A G R L
UniRef90_UPI000462C4E3 L A V R A G Q L A Q I Y D V D D Q R S L K N E W E F A H L I E Y W V W I D A D T L
UniRef90_G0UW11 L A L R S G R N L Q V D V D A A N R L K V C M F Q E D M V H W C W I D D R T L
UniRef90_I7J5F9 I C I K T G H Y V Q V F N L L E F K I M L A D H K F D E F V V F W K W L S E D E I
UniRef90_UPI0004412B75 C R S T R Q L Q V F N L L E L K K N V K S H M M N E E V G F W K W M S T S T L
UniRef90_J0LG90 V V L V I G A K M L Y V C D A E K G A K L E S H R M N D D V E L V R W I N A H T V
UniRef90_G5C053 M K S K M K A Y T M A E E V I F W K W I S V D I V
UniRef90_B7PKR1 L A V T D E S S L Y L Y S T R T K K L H Q C R L M Q G L V Y W T W V S A S T L
UniRef90_V6LQ88 I C L R T N Q L I Q A M S L S T K T P L G R Y V F P A P V Q F W Q W I D E K R L
UniRef90_G5A574 I A L R T E T Q L Q I F N L L E S R K K L K S H Q M T E A V V F W R W I S A N T I
UniRef90_X6LUN3 M K T T E T S E S V L Y W K W L D G R T I
UniRef90_H3E3K8 T A N K I G K H L D I D V R T A Y Q V K R G E I E K L L F W K W I D E K F I
UniRef90_W9RJ04
UniRef90_C6LPC0 V V L R T P T L L Q T L D V S T M T P Y G R F D F P N P V D Y W S W A T D D E K L
UniRef90_C4Y0J8 I A L R N G T A L Q I F N L L G T K N R L K S H T I E S P V V L W K W L T D D V L
UniRef90_E9HVQ6 T A F N K H T D F A I L Q L S N S L I T F E L S D V N F W R W L S A E K I
UniRef90_UPI000234F527 V A L K G C V L E M D H
UniRef90_UPI0002652085 L A L K A G K H F Q I F N L L E V A E K Q L Y R C T M K D E V Q Y W S W L N D D V V
UniRef90_M7C9Z7 L A L R A G R V A Q V F D V A Q R C L R W Q W T F A H P L E F W V W L E P E M L
UniRef90_Q4X9B7
UniRef90_S9WPV6
UniRef90_F6H4R6
UniRef90_X6LT18 M K T T E V N D T V L F W R W L D G R T I
UniRef90_E9C964 V A L R F G I R V H I F D M V A K S K V A S C V F R D T V L F W A W A T P H L I
UniRef90_E5SPL0 S L Q L I
UniRef90_A5B512 S Q L S K P N F L Q S F H I Y S R I R H S A Y L A S D D Y T F M S M V R T S A Q
UniRef90_D7G8K6 I A V L G G G S L H V F S I P R R C R L Q E Q A V A T D L C M W R W L S P W G L
UniRef90_X6MRT9

UniRef90_D5GAZ2
UniRef90_I2H1N1
UniRef90_C0S1N0
UniRef90_W6MPL8
UniRef90_H2ZKR4
UniRef90_I2H9C8
UniRef90_Q0UXK7
UniRef90_D7FWD1
UniRef90_M1VB59
UniRef90_B7G4Y3
UniRef90_A0A016VCL9
UniRef90_B8C8U9
UniRef90_R7QJX3
UniRef90_F0XZJ1
UniRef90_W7U8K2
UniRef90_G0U6P4
UniRef90_M0U5G0
UniRef90_Q4D5X2
UniRef90_C5LU36
UniRef90_S9X013
UniRef90_B3RJM4
UniRef90_J9IJT0
UniRef90_S9V6R4
UniRef90_I11NH6
UniRef90_F0VC81
UniRef90_W6KXS3
UniRef90_F4PSA2
UniRef90_H3GST0
UniRef90_A0CHK3
UniRef90_U6KTM1
UniRef90_A4HP23
UniRef90_D8M951
UniRef90_L8GHN7
UniRef90_UPI0002C3F32B
UniRef90_R1G410
UniRef90_Q6CGR2
UniRef90_V4C715
UniRef90_K1S249
UniRef90_A7AVF3
UniRef90_B4M2G4
UniRef90_F2T2W6
UniRef90_G0R3W3
UniRef90_UPI000359E33E
UniRef90_B0E8A8
UniRef90_Q01GQ0
UniRef90_L5JQN5
UniRef90_I7LUR8
UniRef90_Q5C0K5
UniRef90_G0QNN6
UniRef90_Q4YW66
UniRef90_J4C8N7
UniRef90_L1LBL3
UniRef90_A2EV08
UniRef90_Q4MZN7
UniRef90_T1J7J8
UniRef90_H3EZ40
UniRef90_S8CTW8
UniRef90_B6AAW2
UniRef90_Q5CW85
UniRef90_A0A023BBU4
UniRef90_K7TW92
UniRef90_M7C6V7
UniRef90_Q4UBV3
UniRef90_H0ZWF2
UniRef90_A0A059LIE2
UniRef90_UPI000462C4E3
UniRef90_G0UW11
UniRef90_I7J5F9
UniRef90_UPI0004412B75
UniRef90_J0LG90
UniRef90_G5C053
UniRef90_B7PKR1
UniRef90_V6LQ88
UniRef90_G5A574
UniRef90_X6LUN3
UniRef90_H3E3K8
UniRef90_W9RJ04
UniRef90_C6LPC0
UniRef90_C4Y0J8
UniRef90_E9HYQ6
UniRef90_UPI000234F527
UniRef90_UPI0002652085
UniRef90_M7C9Z7
UniRef90_Q4X9B7
UniRef90_S9WPV6
UniRef90_F6H4R6
UniRef90_X6LTI8
UniRef90_E9C964
UniRef90_E5SPL0
UniRef90_A5B512
UniRef90_D7G8K6
UniRef90_X6MRT9

130 140 150 160
G L V T D N S V Y H W D V M D P S Q P Q V K I F T D R H M N L S G C Q I I N Y R V N
G I T T K S L Y A F C N V V F D E G S N K Q P T I L T T R E H S N S L N N T Q Q I I S F V S N
A L V T T G S D R L Y T H W D V F F D E D N G T P S R L E A T L D K H A P E S K K W Q I I T H F R T T
G L V T T E T S L Y Y H W S M E E D S T P P M L L T Q R R H S N L N N N C Q I I N F V I T N
G L V T T A T S L Y V C N I F D E S A P P P Q K I F N R D R G E N Q L E N N N Q Q I I N Y V A N
A L V T S T K A V Y H W D V L D E S A A P P R K I F D R G E N Q L E N N N Q Q I I N Y V A N
G L V T T A S A V Y S W S L E D A D S S A P P A K V F D R H P A L A A C C Q Q V I N Y V A G S
A M V T T A S A V Y H W S L E E G E S A A P T K M F D R H Q S L A G S T Q I I N Y R A D
A L V T T A T S V H H W S T E G G E S A A P T K M F D R H S P T I S G N T Q I I N Y Q V S
A I V T S H A V F H W S L E D G Q E D P V Q I F D R H S S L S A C Q I I G Y A A D
A L V T T P T A V F H W S L E E G T S E P V K V L D R H A S L S E G T Q Q V I N Y Q V S
A L V T T Q N G A V Y H W S L E E G D A P P V K L E K F D V F P E G T Q I I S Y K L T
G I V S T Q S A V Y H W S L E E G D A P P V N R V F D R A P E L N N V Q I I S Y Q T D
G L V T S Q T S V Y H W S L E E G E S E P V K M F D R A A N D R R A P D M A S V Q I I L N Y K C D
A L V G D R S V Y H W T F D S N S A P V K V F D R A G K L A E T Q I I L A Y A T N
G I V T T A T A V Y H W S L E D S P N N A P E R V F D R P G D Y A S V Q Q V I L A Y R T D
A L V T T K V Y H W S M E G N T Q L N E I H A R H P Q L A N G Y S V Q I I L A Y R T D
A L V G K V A V Y H W D I T T Q D G S P T R F F D R P A D Y A A V Q V I S Y K V D
G L V T T Q V S V Y H W S V I E G D G S P T R F F D R T A N L A N T R I I S Y A V C D
A L I T T D R T S V F H W T V E T S A E P V K I C S R E G R L A N D A Q I I S Y A V D
G I V T T A T T V Y H W S L E N S D T P P E R V F D R G E D Y A S V Q I I S Y H V D
A L V T T P T S V Y H W S K E G N S D P V K M F D R H P A L A N T Q I I S Y R S D
A L V T A S A V F H W N I E D D S L P T K V F Y R S S L A E T Q I I S Y E A S
A Y V T T P T A V Y H I N I T N P N Q Q V K V M D R Y P S L E N V Q I I G Y G L E
A L V T T D K A V W H W T L G E G D A P P Q K I C E R E S G R L A G S V Q I I G Y A T D
G I V T T G K A V Y H W S L E D G D A P P H I F D R S A A D Y S S V Q V I L S Y R S D
A L V T T Q T S V F H W S L E E G E S N P R K V M D R H P N L A Q C Q I I N Y R V S
A F V T T K S A V F H W P A V H K N T A P Y K F F D R H V G M K G M A Q M I N Y R T D
A I V T T A T A V F H F D L E S T P A P K K V V D R H A E L S A G M Q I I G Y K I D
A L V T T G N A V Y H W S M E G Q T S E P V K M F D R H A T L N D T Q I I N Y K T S
G L I T T E T E S I Y H W K V G T T D P V K L T D R H H S L N D C Q I I N Y S N
A M V T T E T S I Y H W D L Q G S C P P E K M F N R H S R L A F S E I V S Y K T D
UniRef90_K1S249
G I V T T D N S V Y H W N I G S E E P V L F N R S G K L A E T K I I D Y A S D
UniRef90_A7AVF3
A L V T T E T S V F H W S M E G D S M P Q K M F D R H S S L L N G C Q I I N Y R C N
UniRef90_B4M2G4
A L V T T A T H A Y H W D V F G E T Q P V E V S D R I D E E N W K I I F N Y Q T T
UniRef90_F2T2W6
A L V T T D S T V Y H S D L G G S Q E T Y V K I L E R F G D L A S N S Q I I G Y K L A
UniRef90_G0R3W3
A M V T T P S A V Y H W I H K K E T A P T Q V F L R H N R L A F T E I V S Y K K I D
UniRef90_UPI000359E33E
A T V T T S T T V F H F D L E N N P N A P K K I V D R H S E L A A S Q I I G Y K I D
UniRef90_B0E8A8
G I V T N T S V F H W S L E D Q N A P V K V F D R T A N L S G S Q I I S Y K A S
UniRef90_Q01GQ0
L V I I D M N D S N P I R R P I S A D S A I M N
UniRef90_L5JQN5
A M V T P T K V Y H S D L T S Q A N P S T V A F E R A G N L A N C Q I I G Y K V N
UniRef90_I7LUR8
A L V T T G T S V Y H W A M D G D S N P V K M F D R H Q S L A N G T Q I I S Y R C D
UniRef90_Q5C0K5
A I V T T P T V Y H S D L N S S E T H T K I L D R Y A E L A N G Q I I G Y K L A
UniRef90_G0QNN6
A I V C E K N V Y H W N I D M Y N T K T K V F E K A Q I F N N S Q I I L Y Y G T D
UniRef90_Q4YW66
V V T T D N Y V Y H W E V G R S D P R L V F E R S C G K L S G T K L V G Y S A D
UniRef90_J4C8N7
A I V T D N F V Y H W N V G K S D P K V M F E R S G K L A E T K L V G Y A S D
UniRef90_L1LBL3
M F V A G N A V F H W S M S S N T N P V P A F Q L L P Q L Q S A Q I M G Y S I S
UniRef90_A2EV08
V I T T E T H V H W P V G S T P K L T F E L T G K L T S T K I V G Y S T D
UniRef90_Q4MZN7
G L V T T E A V Y H W D L N S G G A P I K V F Y R H A R L A N A E V V N Y L V D
UniRef90_T1J7J8
G F C T L S N A F T W S L N D N S Q P V K M F K L L E S L A P H A I V N Y E K S
UniRef90_H3EZ40
G E G E N P V K M F E R T A N L T N N Q I I N Y K C C
UniRef90_S8CTW8
A I I G D K A V Y H W T I N G G S N P L K I F E R A S G E L A E T Q V I G Y Q C N
UniRef90_B6AAW2
A I V G D K G I Y H W T I E S G N S P V R I F E R A G K L A E T Q I V G Y Q T D
UniRef90_Q5CW85
V L I S G E E I Y H W D I R P E S S P R L V M R R E G R L Q S S Q I I N Y S V D
UniRef90_A0A023BBU4
G L V T Q T S V Y H W S L E E D S E P T K M F D R T A N L A N N Q I I N Y R C D
UniRef90_K7TW92
V I I T E T L V Y H W M L E G S N P K Y M F E L T G K L S N T K I I G Y S S D
UniRef90_M7C6V7
V I I T E T L V Y H W M L E G S N P K Y M F E L T G K L S N T K I I G Y S S D
UniRef90_Q4UBV3
UniRef90_H0ZWF2
G L V T A Q S V Y H W D L E G A S E P V K A F D R T A N L E G T Q I I S Y R C S
UniRef90_A0A059LIE2
A V V T E E N V F H W T V K R T R P R W K F S R H E R L C G M E I V G Y H R D
UniRef90_UPI000462C4E3
G I V S N T A V Y H W S L V G D A Q Q V F T R A P E M Q I V Q I I L T Y Q A D
UniRef90_G0UW11
A I V T E Y S V Y H W R V N S Q V P E K I F E R L G K L K N V Q I I N Y Q S D
UniRef90_I7J5F9
S L V T E S K L F D R H A N L A G A Q I I N Y R A T
UniRef90_UPI0004412B75
A V V T R S A V W H W R V T R N G R P E E W F L R D P A L G N A T V I N D Y R V C
UniRef90_J0LG90
A L V T D T T G Y H W S M E G D S Q P I K M F D R H A S L A G Y Q M I H Y R T D
UniRef90_G5C053
G L V T R Q A V F H W D L S S P T E P T F M E A L S E R L R N T E L V S Y T D
UniRef90_B7PKR1
A I V Q S D G V Y I W S Y E T P D T Y Q S V L Y R D A Q L I Q S K I I T N F Q M E
UniRef90_V6LQ88
A L A T P T A V F H W S I E D D L A P T K L F Y R S A K L A E M Q I V S Y Q A S
UniRef90_G5A574
A F V T G T A A Y H W S V E G D A T P E K K F E I E A E T R Q V Q I I N Y D S S
UniRef90_X6LUN3
G I V T E N H V Y R W T L E G D S A P V K V F E C L P I L S E C K I
UniRef90_H3E3K8
A L V C P D A V Y F W N M T G E F S P G F A R D V S L S N S R I T D L V V S
UniRef90_W9RJ04
G L V T A T D I Y I W S I F D N N G P V K L T D R H H S L N N C Q I I N F V A E
UniRef90_C6LPC0
G L V S G K N V L V W E N H S Q V E K V F E L P S R M I N F E I T N L E I D
UniRef90_C4Y0J8
G I G N A R D A E P L K M F D R T A N L A N T R I I N Y R C D
UniRef90_E9HYQ6
G I V G S K F I Y H W D L S G F S C P M K A F P R H G R L N F C Q I V G Y K A D
UniRef90_UPI000234F527
A L V T E E E F H V V E L G P H Q T K V F E K A Q I F N N S Q I I L Y Y G T D
UniRef90_UPI0002652085
UniRef90_M7C9Z7
UniRef90_Q4X9B7
UniRef90_S9WPV6
G L V A C H W M S S S I C E P D L V C Q T A M V S A C A K I I N Y R Y D
UniRef90_F6H4R6
A Y V T S S A V F H W S V E G D A T P E K K F E I E A E Q R Q V Q I I N Y D S S
UniRef90_X6LTI8
V I I T S D A V Y H W H I Q G T S E P I K I V E H S L N L A E V I A G Y C C S
UniRef90_E9C964
A I L G D A N L E V W D L Q T E T P K R Y F D I A N H P I K
UniRef90_E5SPL0
L L A A H G A V V K Y G F E H E P H V Q N G L I Y L N I N Y R F D
UniRef90_A5B512
A L V T D G A V F Y W S V L D G S R P R Q A F A R R R T L T R H R V I D Y Q P S
UniRef90_D7G8K6
UniRef90_X6MRT9

UniRef90_D5GAZ2
UniRef90_I2H1N1
UniRef90_C0S1N0
UniRef90_W6MPL8
UniRef90_H2ZKR4
UniRef90_I2H9C8
UniRef90_Q0UXK7
UniRef90_D7FWD1
UniRef90_M1VB59
UniRef90_B7G4Y3
UniRef90_A0A016VWCL9
UniRef90_B8C8U9
UniRef90_R7QJX3
UniRef90_F0XZJ1
UniRef90_W7U8K2
UniRef90_G0U6P4
UniRef90_M0U5G0
UniRef90_Q4D5X2
UniRef90_C5LU36
UniRef90_S9X013
UniRef90_B3RJM4
UniRef90_J9IJT0
UniRef90_S9V6R4
UniRef90_I11NH6
UniRef90_F0VC81
UniRef90_W6KXS3
UniRef90_F4PSA2
UniRef90_H3GST0
UniRef90_A0CHK3
UniRef90_U6KTM1
UniRef90_A4HP23
UniRef90_D8M951
UniRef90_L8GHN7
UniRef90_UPI0002C3F32B
UniRef90_R1G410
UniRef90_Q6CGR2
UniRef90_V4C715
UniRef90_K1S249
UniRef90_A7AVF3
UniRef90_B4M2G4
UniRef90_F2T2W6
UniRef90_G0R3W3
UniRef90_UPI000359E33E
UniRef90_B0E8A8
UniRef90_Q01GQ0
UniRef90_L5JQN5
UniRef90_I7LUR8
UniRef90_Q5C0K5
UniRef90_G0QNN6
UniRef90_Q4YW66
UniRef90_J4C8N7
UniRef90_L1LBL3
UniRef90_A2EV08
UniRef90_Q4M2N7
UniRef90_T1J7J8
UniRef90_H3EZ40
UniRef90_S8CTW8
UniRef90_B6AAW2
UniRef90_Q5CW85
UniRef90_A0A023BBU4
UniRef90_K7TW92
UniRef90_M7C6V7
UniRef90_Q4UBV3
UniRef90_H0ZWF2
UniRef90_A0A059LIE2
UniRef90_UPI000462C4E3
UniRef90_G0UW11
UniRef90_I7J5F9
UniRef90_UPI0004412B75
UniRef90_J0LG90
UniRef90_G5C053
UniRef90_B7PKR1
UniRef90_V6LQ88
UniRef90_G5A574
UniRef90_X6LUN3
UniRef90_H3E3K8
UniRef90_W9RJ04
UniRef90_C6LPC0
UniRef90_C4Y0J8
UniRef90_E9HVQ6
UniRef90_UPI000234F527
UniRef90_UPI0002652085
UniRef90_M7C9Z7
UniRef90_Q4X9B7
UniRef90_S9WPW6
UniRef90_F6H4R6
UniRef90_X6LTI8
UniRef90_E9C964
UniRef90_E5SPL0
UniRef90_A5B512
UniRef90_D7G8K6
UniRef90_X6MRT9

170 180 190 200
A D E K W M V V V G I S Q S Q G R V V G N M Q L Y S K D R G I V S Q Q A L F E G H A A
K N L D W F A T V G I L Q E N G R I V G G R I Q L L Y S K R T R N V S Q Q A F D G G H V A
E D N H N W S A L V T G I Q R K D Q N S I T G G R I Q L L Y S A R S R H D N S Q Q A V I F E E G Q A A
D E N S W F A V T G I A P G Q N G R V V G H I Q L L Y S K R T R N S Q Q A I F E E G H A C
A K Q K W L L L I G I S A Q S N R V V G A M Q L L Y S V E R R R V S S Q Q P I F E E G H A A
K N F D W F A V V G I T S Q N D R I A G K I Q L L F S K L A R N I V S S Q Q P I F D E G H V A
D D E S W S C L V G I T S E N P G G I R G N M Q L L Y S W S K A R N V S S Q Q P I F D E G H A A
A D G K W C L A V G I Y Q S P G V I A G T M Q L L Y S V D K R V S S Q Q L L N G Y H T G
V G E R W L A L V G I R A D D G A N G V V G K I Q L L Y A V F D R G V L S S Q Q L L D D G Y A A A
A D K W L V L V G I A A K E N R V V V G S M Q L L Y S T E R K K V S S Q Q P I F E E G H A A
P D S K W C L L G G I S A N P G G A I T G H I Q L L Y S V E K K V S S Q Q P L Q Q G H A A G
K F Q K W L S V V G I G A D E G A I T G H I Q L L F A V D K N L S S Q Q L L D D G H A A A
P D E K W C L L M G I S Q A A G G I Q G N M Q L L Y S V E K K V S S Q Q T L Q Q G H A G
G D G K W A L L V G I S A G A N G L D G R H I Q L L Y S I E K N S R Y Q Q L L H G H A G
E N K K W L M L C G I S R G T E G T V G K T Q L L F S V E N K S R Y G R V L E G N H A G
P T E K W L V L I G I A P R P Q L V K G N M Q L L F S V E N Q Q R S Q Q A L E E A H A A
E K K W L L L S G V A R V A E G M V G K T Q L L F S V E N R K D Q G R V V D D G H A A G
S S Q T W C V L G I S T P D G G I E G S L Q L L F S V E R K D Q Q L L E G H A A
E G K K W L V L S G V A R D A T G M V G K S L L L Y S V E N S S A R V L L D D G H A C
H T K K W S L I G I R V Q N H R V L G V L Q L L Y N T E T K I S Q L L I E E G H V A
S S E K W C Y L V G I Y S N D Q R I N A H M Q L L F N T E R K Q Q Q L L I E E G Y A G
A D K R W A V V C G V T R D A G A M V G K A L L L Y S V D N A V A R V M E E G H A V
L A E K W L V L I G I L A S T Q D P H L V K G D A Q L L F S V D Q Q C Q Q A L R A H A A
K D L K W C I L T G I S T Q D G G I L D G S M Q L L F S M E L K K V S S Q Q L L E G H A A
E K K K W L V L T G V T R E G T S T I G K A L L L Y S V E N R S S S R V L S E G H A C
S T Q K W L A L V G I H Q L D N R V A G R I Q L L F S V E K G I S S Q Q S I L E E G H A A
I D N K W M L L V G T S Q A K G G I V G N I Q L L F S M E K K V S S R V L Q Q G H A G
G N E K W C A L Y G I S T P D G G I N G H I Q L L F L I E Q A R Q Q L L E E G H C C
K D M K W C V L T G I S T Q D G G I L D G S L Q L L F S M E L K K H Q Q L L E E G H A A
E Q K K W L L V T G V A R D P G A M V G K A L L L Y S V E N R S S R V L D D G H A C
P D Q K W C M L I G I K G A E N S I A G T I Q L L Y S V D N K K S S R V L A G F C G
S P Q R T M C L V I A K E G E R I A G R M Q L L F A S E K N T T Q Q L L E E G H A C
P T E K W V A I V A L L Q R N N E I V G K I Q L L F S I E K N A S Q Q L L D D G F A A
A K E N W M V L V G I K S E P N R I I G A M Q L L Y S K E K N V S S Q Q P I F E E G H A A
G S W S A L V G I T Q R D D G R I A G Q I Q L L Y S K E R N V S Q A I F E E G H A A
P A V K W L A V T G M T P R E D D K I S G V T Q L L Y N L E E D I T Q C I T A H A V
A S L K W L A I T G L I P E D E K I T G T Q L L Y S V D E D I T Q C I G A H V V
A E N K W C I L L V G I Y S T P D Q G V E G A I Q L L Y S T E R R Q Q Q A L E E G Y A G
A S Q K W L L V G I S A L P S R V A G A M Q L L Y S V E R K V S S Q A I F E E G H A A
D D E Q W T A T I A V Q A Q D N T A L G K T I L H S R A R S E S Q Q I F E E G H A A
P Q G N W C A I Y G I A S P D R N I N G T I Q L L F K L G D E E G K Q Q M L Q Q G H C C
P S L K W L A I T G L T P E D E R I S G V T Q L L Y S I E K N A S Q Q L L D D G Y A A
P T E K W V A I L A L L Q K N N E I I G K I Q L L Y S I E K N A S Q Q L L D D G Y A A
E D M Q W F T L I G I A Q R P A L V K G N M Q L L Y S V A Q Q R S S Q A L E E A H M A A
P A S K Q N R V V G A M Q L L Y S V D R K V S S Q P I F E E G H A A
T Q G N W A A L Y G I S S P D Q R I N G D I Q L L Y K L D E N S S Q Q P L T E G H C C
L S Q K W L L I G I T A Q D N R V I N G Y M Q L L Y S V E R K V S S Q A I F E E G H A A
P Q A N W S T L I G I S S P D Q K I N G H I Q L L F K I G E K K Q Q Q L L N G H C C
K E M K W C I L C G I S T Q D Q G I D G Y M Q L L Y S C E K K L H Q I I E E G F I G
A L N K W C L I F G I Y S N D Q G I D G A I Q L L Y S T E K R Q Q Q L L F E E G Y A G
K Q K W C L I F G I Y S N D Q G V D G A I Q L L Y S T E R R Q Q Q L L F E E G Y A G
Q D K N W F C L S G L V I Q E N N A I V G K L Q L L Y S R E R N V S S Q A I D A Y N G
S T G K W C L V F G I Y S N D Q G V S G I I Q L L Y S V D K R V S S Q Q L L E E G Y A G
D S L R W H A L S A L N I D N R I C G L I Q L L Y S S D Q N L S Q P F E A H A V
D D R I W H A I T G P R P N V T K E V G I M Q L L Y N A A S G I S S Q Q L L D D G F A A
P S E K W L V L I G I A P R P Q L V K G N M Q L L F S V D Q Q R S S Q A L E E A H A A
S D Q R W C M L M G L C T I P N Q V K G Q I Q L L F S A E K R Q Q Q L L E E G F S G
S G Q R W C M L M G L C P V T N E V K G Q L Q L L F S V E K R Q Q Q L L E E G F S G
D N P L W A L V A G I Y L D E S R V V G S L Q L L F S F E K N Q S Q A L E E G Y A G
P A E K W L V L I G I A P R P Q L V K G N M Q L L F S V D Q Q R S S Q A L E E A H A A
P A S K V I A L I G I Y S N D Q G V S G V I Q L L Y S V D K R V S S Q P I F E E G H A A
I T N K W C L V T G I Y S N D Q G V S G V I Q L L Y S V D R K V S S Q P I F E E G Y A G
A K Q K W L L L T G I S A Q Q N R V V G A M Q L L Y S V E A S R S S Q S L D A H A A
P D A K W C V L V G I A P R P A L V R G V M Q L L Y S V E A S R S S Q S L D A H A A
A N H V W M A L S A L K L E Q G Q V V G L T Q L L Y W R G G S S L S Q V I E A Q A V
E K K W L M L C G V A R A P E G M V G K T Q L L Y S V E N S S G R V L E E G H A G
P T R Q W C L L S S I S T E D Q G M D G H M M L Y S T V R K Q H Q L L Q Q G H A G
A G D K W L V L V G I A G N T R P V K G A M Q L L Y S R E R G V S Q A I E E H A V
G D G S W C A L M A I D A R E H P A E G L V Q L L F S R E A G A S K L V E A H A V
A Y Q K W L L L I G I S Q L I Q V I Q C L A N Q K M S A F E A L L A A V L D M S L P
A G F K W L A V T G L V Q E E K L V S G L V Q L L H S V S R G
G D W A I L Q C V G I N P T T Q Q I A G N L Q L L H S F S K Q V S K V I P A H S S
V D K Q W M L L V G T K E G Q G R A L G S M Q L L Y S I E K K L S S Q V L Q G Y A G
K D G N W L F L Q G I N A E T Q K I E G V L Q L L Y S V Q H K R Y Q P M N A H G G
E L F S G L I Q V F S V D Q Q R S S Q S L E A H A A
R P Q L V K G N M Q L L F S V D Q Q R S S Q S L E A H A A
S D A D W V A I T A L G T D Q N H T Q G M I Q L L Y C F S R A Y T R M L S G Q C V
P D L N W F A V T G I A Q E D G R I A G H I Q L L Y S K A R N C
K T N S W I V I C G S Q K I E R E M K G L I C L Y S I K R D I C E F H L G H C A
L A E K W L V L I G L A S D P H L V K G D A Q L L F S V D Q Q C S Q A L R A H A A
P S F R W F A V L G L Y G D S N S V S G V V Q L L F S A T A D R S Q C I L D
L A F K G A Q P G D F P S A V Q F H V V E L G P H Q P
K E M K W C I L L C G I S T Q D Q G I D G H M Q L L Y S C E N S K K L H Q I I E E G F I G
M V G K S L L Y S V E N S S A R V L D D G H A C
P S E K W L V L I G I A P R P Q L V K G N M Q L L F S V E Q H R S Q A L E T Q A V
K D G N W L F L Q G I N A E T Q K L E G V L Q L L Y S V Q H K R Y Q P M N A H G G
A S E E W H A F S A R N P A G K H T T L L F S P S R K I Q T F V D A S A V
K L S S M M L L Y N V H Q K K T E V Y S A V T A
P S E K W L V L I G I A Q K P Q L I K G N M Q L L F S V E K H H S Q A L E T Q A A
A D G R W G L L L G P F V D S N G I E G K V D L L H S F E R G T T F E F E V L G A
N E E T Q K I E H V L Q L L Y S A Q H K C Y Q P M N A Y G G

UniRef90_D5GAZ2
UniRef90_I2H1N1
UniRef90_C0S1N0
UniRef90_W6MPL8
UniRef90_H2ZKR4
UniRef90_I2H9C8
UniRef90_Q0UXK7
UniRef90_D7FWD1
UniRef90_M1VB59
UniRef90_B7G4Y3
UniRef90_A0A016VWCL9
UniRef90_B8C8U9
UniRef90_R7QJX3
UniRef90_F0XZJ1
UniRef90_W7U8K2
UniRef90_G0U6P4
UniRef90_M0U5G0
UniRef90_Q4D5X2
UniRef90_C5L4U36
UniRef90_S9X013
UniRef90_B3RJM4
UniRef90_J9IJT0
UniRef90_S9V6R4
UniRef90_I11NH6
UniRef90_F0VC81
UniRef90_W6KXS3
UniRef90_F4PSA2
UniRef90_H3GST0
UniRef90_A0CHK3
UniRef90_U6KTM1
UniRef90_A4HP23
UniRef90_D8M951
UniRef90_L8GHN7
UniRef90_UPI0002C3F32B
UniRef90_R1G410
UniRef90_Q6CGR2
UniRef90_V4C715
UniRef90_K1S249
UniRef90_A7AVF3
UniRef90_B4M2G4
UniRef90_F2T2W6
UniRef90_G0R3W3
UniRef90_UPI000359E33E
UniRef90_B0E8A8
UniRef90_Q01GQ0
UniRef90_L5JQN5
UniRef90_I7LUR8
UniRef90_Q5C0K5
UniRef90_G0QNN6
UniRef90_Q4YW66
UniRef90_J4C8N7
UniRef90_L1LBL3
UniRef90_A2EV08
UniRef90_Q4JMZ7
UniRef90_T1J7J8
UniRef90_H3EZ40
UniRef90_S8CTW8
UniRef90_B6AAW2
UniRef90_Q5CW85
UniRef90_A0A023BBU4
UniRef90_K7TW92
UniRef90_M7C6V7
UniRef90_Q4UBV3
UniRef90_H0ZWF2
UniRef90_A0A059LIE2
UniRef90_UPI000462C4E3
UniRef90_G0UW11
UniRef90_I7J5F9
UniRef90_UPI0004412B75
UniRef90_J0LG90
UniRef90_G5C053
UniRef90_B7PKR1
UniRef90_V6LQ88
UniRef90_G5A574
UniRef90_X6LUN3
UniRef90_H3E3K8
UniRef90_W9RJ04
UniRef90_C6LPC0
UniRef90_C4Y0J8
UniRef90_E9HVQ6
UniRef90_UPI000234F527
UniRef90_UPI0002652085
UniRef90_M7C9Z7
UniRef90_Q4X9B7
UniRef90_S9WPV6
UniRef90_F6H4R6
UniRef90_X6LT18
UniRef90_E9C964
UniRef90_E5SPL0
UniRef90_A5B512
UniRef90_D7G8K6
UniRef90_X6MRT9

250 260 270 280
N P V F Q K K A V D V I Y F P A E A V N D F P V A M Q I S P R F S I I Y L V T K Y
A Q S Y E K K A V D V I F F P P D A A N D F P L A I Q V S S E K Y G I I Y L L T K Y
K K F P K K A V D I F F P P E A V L D F P T A I Q V S S N K R Y D I A Y I V T K K F
UniRef90_W6MPL8 N Q P F S K K A V D V I F F P P E A A N D F P V A M Q V S S P N Q N I V V F V V T K Y
UniRef90_H2ZKR4 P I S Y T K K T L D I F F P P D A I N D F P L T V K I S E K F G I I Y L L T K Y
UniRef90_I2H9C8 N P A F P K R L L P I H W P A E G T G D F P L T G I H I A H K Y G I L V I T K F
UniRef90_Q0UXK7 G G V F R L S P Q Q I P N A A D A P N D F P V A M Q V S S P K H D I I F M I T K M
UniRef90_D7FWD1 A P R F E K R I T N I V Y A P Q G M D N D F P V S L Q V S S K L S V A Y L L T K Y
UniRef90_M1VB59 G P P Y G V Q P V Q I P V P Q G D G A N D F P V S L A I V I E K D S L A Y M M T R M
UniRef90_B7G4Y3 N Q P F P K K A V D V I P Y T A E T A N D F P V S M Q A
UniRef90_A0A016VWCL9 G Q P F R I P P T V I P V P P E A A A D F P V S L V V D A K D D V A F L L S K M
UniRef90_B8C8U9 Q Q Q F G K L S T D I Y Y P P E F S A N D F P I A I Q V S T K Y T I V Y M I T K M
UniRef90_R7QJX3 G G V F R L A P V A I P V P A D A P N D F P V S M V P S P K H D V V Y M V T K M
UniRef90_F0XZJ1 G G V F R L Q P Q Q I Q F P A E A P N D F P V S M T S A P G Q D I I F M I T R M
UniRef90_W7U8K2 D V S L Q R R V D V P F P A G D F P V A L H V S P R H K L L T V V T G H
UniRef90_G0U6P4 K P G F T K K Q A D L F F P P D F A D D F P V A M Q I S S Q K Y S L I Y V I T K L
UniRef90_M0U5G0 D I T M P R R V D V A F P P S G D F P V A L T I V S P R H K L L T I M T S R
UniRef90_Q4D5X2 T H Y K V G V D V P M P S E N P S D F A V S L H I S S K H G M V Y V L T K G
UniRef90_C5L4U36 D I T V P R R L Y P V Q M Q Q Q D F P V A M A V S E R H K L L T V V T S R
UniRef90_S9X013 N E P F Q E Q T L E L I F P S E I Q Q D F P V L Q I N E K H G L Y L I T K Y
UniRef90_B3RJM4 A Q K F K R S V D I Q I P P D V Q G D F P V L M Q A V I E K Y G V V I T K F
UniRef90_J9IJT0 D I T V P R R V Y P V Q I P A Q G D F P V A L H V S E R H K L L T G I T S R
UniRef90_S9V6R4 E P G F S K K Q V G I F F T P R L L I D A S L A M E F S Q K Y G L I S V I T K L
UniRef90_I11NH6 G Q T P L R L A V D L Q M P A D A P T D F P L S I H I S E R H K L L T V V T K G
UniRef90_F0VC81 D I T L T R R L Y N V R M Q A E G D F P V I V M H I S E R H K L L T V V T S R
UniRef90_W6KXS3 G P S F T K R P D V F Y P P D G A S D F P V A M Q I S E K Y E V I V T N L
UniRef90_F4PSA2 G G V F H L P P Q R I A F A P D E Q D D F P V S M L V S P G D D I V Y M I T N L
UniRef90_H3GST0 F Q K Y K R Q V E V Q T D P N Y P T D F P V L M H I N Q K Y G L I Y V I S K F
UniRef90_A0CHK3 G K A P L R V C T D I A L S P D A P S D F P L A V H L S K K L G L V F L V T K G
UniRef90_U6KTM1 D L S L P R H P I N L R I Q P G D F P V A M H V S D R H K L L T V V T S R
UniRef90_A4HP23 F K V K P V E F A F P A E A A Q D F P V C M E I D E P R C L A Y M M T K M
UniRef90_D8M951 E K P F K R K S T D I Y F P P E A A A D F P V A M Q V S D K H K V A Y I T K Y
UniRef90_L8GHN7 N K Q N V N T V I D I P T Q P Q A A D F V G L V V S I K F E T I M M V S R M
UniRef90_UPI0002C3F32B A A F G K K N A D I Y F P P E A A
UniRef90_R1G410 N P V Y Q K K Q V D I F F P P E A A N D F P V A V F A A E K Y G V V V V T K Y
UniRef90_Q6CGR2 N F A P R N C Y D H Y L D D T D R Y D F P I S L Q V S A E Y G I L F V I T K Y
UniRef90_V4C715 N F A P R N S Y D I Q F L D D A R Y D F P V A L H V S P D I G L L F I T K Y
UniRef90_K1S249 S P V P L K V S K D I E G L H S N T G D F P R F V H I L D S C G F V C I I T K C
UniRef90_A7AVF3 Y D I A Y I V T M F
UniRef90_B4M2G4 L Q K H K I T C E F P T N P Q F P N D F P I Y M Q V S Q K Y G Q L F V I T K N
UniRef90_F2T2W6 N F A P R N C Y D H F L D D L E R Y D F P I S L Q I S V E Y G L F V V T K Y
UniRef90_G0R3W3 K P N V N T V I D I P I Q P Q Q R A D F M V G L V S I K Y E T I L I S R M
UniRef90_UPI000359E33E Q T P F T K R S E L F F P P E A Q D D F P V V M H A S D K Y G V V I T K S
UniRef90_B0E8A8 N Q P F P K K A V D V I F F P P E A Q N D F P V A M Q I S E K H D V V F I T K Y
UniRef90_Q01GQ0 F Q K Y K G A A E Y P F N A Q F P A D F P I Y M Q V C T K Y G Q L F C L S K S
UniRef90_L5JQN5 F Q K H K L S T E Y V F N P Q F P Q D F P I Y M Q V S T K Y G Q L F V V T K N
UniRef90_I7LUR8 G S T P Y K I V K E I N L I N D T L N D F P I Y I S L N T L Q G V I Y V I T K C
UniRef90_Q5C0K5 A K A L K V S C A L E K N N D Y P N D F P I A I H V L D S N G L I L V L T K S
UniRef90_G0QNN6 D T P L K V S S E M Q K S P G F P S D F P I S I H I I D A I G L V C V L T K N
UniRef90_Q4YW66 A Q A F G K K F A D L Q A P P D A Q D D I P L H I L F S P K Y N S V F M I T R G
UniRef90_J4C8N7 N N S L K I N S L M E R N E E Y P N D F P I S I H V L D S N G L I L I L T K N
UniRef90_L1LBL3 N Q A P L N L T E T I K F E D Q W E Y D F P V S V Q V S S K G L I Y I M T K H
UniRef90_A2EV08 N I A E E P F I F E F E D D F P T F V Q A N L T F G V I Y L A S K K
UniRef90_Q4JMZ7 K P S F T K K Q A D L F F P P D F T D D F P V A M Q I S S Q K Y G L I Y V I T K L
UniRef90_T1J7J8 G S T P F K M N V E L P S N P Q V P G D F P I Y S Y I S N Y F G V I F I T R G
UniRef90_H3EZ40 S P T P F K A V I E L P T V D E G D F P I Y T Y V S S Y F G V I F I T R G
UniRef90_S8CTW8 G H P F P F K V D Q E F Y P P E F A N D F P L A A H F S K R H G V I Y T A S K N
UniRef90_B6AAW2 N Q P F V K K A V D V F F P P E A Q T D F P V A M Q I G T K H G V I Y L I T K Y
UniRef90_Q5CW85 N T S N L K I N C I M E R N E E F P N D F P I S I H V F D S N G I I L L T K N
UniRef90_M7C6V7 N Q P F P K K A V D V F F P P E A Q S D F P V A M Q P L N K F A V L S P C T S H
UniRef90_Q4UBV3 N A A L L S A R G T L P F K P P W L G D F P S T V Q F L V H L G V A V I L T K H
UniRef90_H0ZWF2 D I T L Q R R V D V S L P K P G D F P V A M S V S P R H K L L
UniRef90_A0A059LIE2 L K L T S E F E Q I S D P S D F P V S I V I L E K I G M L A I V T R S
UniRef90_UPI000462C4E3 K P A F Q K K A V D V F F P P E A T K H F P V V M Q V S Q Q H G I I Y L V T K Y
UniRef90_G0UW11 E S A F G H R V F L N F S P D A F D D Y P L S L H V S Q P H G I I F L T A M
UniRef90_I7J5F9 A L R G P L Q E T L E F F D P L D K F D F P V S L Q V S S R Q G L V F V L T K C
UniRef90_UPI0004412B75 N P G F Q R Q T F Q I A I N P A A P N E F P M H M R S N S K L G F I F T I T K T
UniRef90_J0LG90 N P P H K I Q A E V P F M Q N S N D F L V S M V P S A K Y R C L Y A F T Q S
UniRef90_G5C053 N H Q Y P E Q N F H L P A M P D A E G D F P I S L K A S T K Q G V L Y L I T K Q
UniRef90_B7PKR1 K P S F T K K Q A D L F F P P D F A D D F P V S M Q I S E K Y G L I Y V I T K L
UniRef90_V6LQ88 I S G F T T K A V Q A T V S A A L V G D H P L F L R G K E K Y G F L Y M F S K Q
UniRef90_G5A574 D Y G F L T R M T P F Q M S S C D Y T V S I K M S H L L Q F I Y V I T R Y
UniRef90_X6LUN3 E P G F S K K Q V G I F F T P R L L I D A S L A M E F S Q K Y G L I S V I T K L
UniRef90_H3E3K8 N A A L L S A R A S L A F K G A Q P G D F P S A V Q F A P R L G L A L V L T K H
UniRef90_W9RJ04 G S T P Y K I V K E I N L I N D T L N D F P I Y A L S I N T L Q G V I Y V I T K C
UniRef90_C6LPC0 D I T V P R R L Y P V Q M Q Q G D F P V A M A V S E R H K L L T V V T S R
UniRef90_C4Y0J8 E P G F I G K Q A D L F F P P D F T D D F L A A M Q I S H K Y D F I H V I T K L
UniRef90_E9HVQ6 K Y T F C N V F V D G G W A E C N E N D F I V S I A S S A K Y R C L Y A F T Q A
UniRef90_E9C964 N P L F R V N L P I H K P A V E P D R V L A V A T G E R R S G T C I I T R R
UniRef90_E5SPL0 G C S F V K K A I S F S F S E K R R D D F P V A M Q A N D K Y G I L F V I T S H
UniRef90_A5B512 E P G F T E K Q A D L F F P P D F T D G F P V A M Q I S
UniRef90_D7G8K6 S C S Y R V V G V D G G L G E D A T G E V F L Q W T E N T N V V F V V G C H
UniRef90_X6MRT9 T S H K V Q A I R F Q D P N D F I V S M L P S T D C R F L Y A F T Q A

UniRef90_D5GAZ2
UniRef90_I2H1N1
UniRef90_C0S1N0
UniRef90_W6MPL8
UniRef90_H2ZKR4
UniRef90_I2H9C8
UniRef90_Q0UXK7
UniRef90_D7FWD1
UniRef90_M1VB59
UniRef90_B7G4Y3
UniRef90_A0A016VCL9
UniRef90_B8C8U9
UniRef90_R7QJX3
UniRef90_F0XZJ1
UniRef90_W7U8K2
UniRef90_G0U6P4
UniRef90_M0U5G0
UniRef90_Q4D5X2
UniRef90_C5LU36
UniRef90_S9X013
UniRef90_B3RJM4
UniRef90_J9IJT0
UniRef90_S9V6R4
UniRef90_I11NH6
UniRef90_F0VC81
UniRef90_W6KXS3
UniRef90_F4PSA2
UniRef90_H3GST0
UniRef90_A0CHK3
UniRef90_U6KTM1
UniRef90_A4HP23
UniRef90_D8M951
UniRef90_L8GHN7
UniRef90_UPI0002C3F32B
UniRef90_R1G410
UniRef90_Q6CGR2
UniRef90_V4C715
UniRef90_K1S249
UniRef90_A7AVF3
UniRef90_B4M2G4
UniRef90_F2T2W6
UniRef90_G0R3W3
UniRef90_UPI000359E33E
UniRef90_B0E8A8
UniRef90_Q01GQ0
UniRef90_L5JQN5
UniRef90_I7LUR8
UniRef90_Q5C0K5
UniRef90_G0QNN6
UniRef90_Q4YW66
UniRef90_J4C8N7
UniRef90_L1L3L3
UniRef90_A2EV08
UniRef90_Q4MZN7
UniRef90_T1J7J8
UniRef90_H3EZ40
UniRef90_S8CTW8
UniRef90_B6AAW2
UniRef90_Q5CW85
UniRef90_A0A023BBU4
UniRef90_K7TW92
UniRef90_M7C6V7
UniRef90_Q4UBV3
UniRef90_H0ZWF2
UniRef90_A0A059LIE2
UniRef90_UPI000462C4E3
UniRef90_G0UW11
UniRef90_I7J5F9
UniRef90_UPI0004412B75
UniRef90_J0LG90
UniRef90_G5C053
UniRef90_B7PKR1
UniRef90_V6LQ88
UniRef90_G5A574
UniRef90_X6LUN3
UniRef90_H3E3K8
UniRef90_W9RJ04
UniRef90_C6LPC0
UniRef90_C4Y0J8
UniRef90_E9HVQ6
UniRef90_UPI000234F527
UniRef90_UPI0002652085
UniRef90_M7C9Z7
UniRef90_Q4X9B7
UniRef90_S9WPW6
UniRef90_F6H4R6
UniRef90_X6LT18
UniRef90_E9C964
UniRef90_E5SPL0
UniRef90_A5B512
UniRef90_D7G8K6
UniRef90_X6MRT9

290 300 310 320

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

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

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

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

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

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

A F L F L A D V E T A Q T I H C I Q L T C D I I F A T V I D D D R H S L L G V C

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

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

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

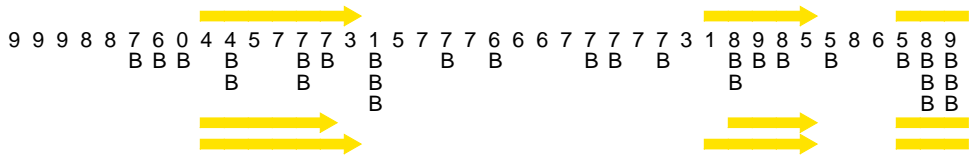
G L L L V L D V V T G A E L A R A Q A C R A P L T I E A E V D P D V G D L V V V S
G F V L F F D I S T G K C L F N S Q I Q E T T V L L V V P N V E A N G F L T I D

UniRef90_D5GAZ2 R K G Q V L C V S V D E N Q I I P Y L R E N P A N S T L A V K L A S R A G L
UniRef90_I2H1N1 K K G Q V L A V I E I S T S Q I V P Y I L S K L S D T S L A L T M A K R G G L
UniRef90_COS1N0 R H G Q V L A V S V D E N K I I P Y I L E K L N N P G L A V R L A S K G G L
UniRef90_W6MPL8 K S G Q V L A V E L A K D R I V E Y I I K N H S N V P L A L T L A S R G G L
UniRef90_H2ZKR4 R K G Q V L A V I E I S T S Q I V P Y I L S K L S D T S L A L T M A K R G G L
UniRef90_I2H9C8 K K G Q V L T V E I S K E K L I P Y I M S K L S D K E L A F K I S K R S G G
UniRef90_QOUXK7 K R G Q V L H T T I R E D A L I P Y I M E N P A C A E I A Y K L A S K R G G L
UniRef90_D7FWD1 R T G A V L Q I S V N E A T L V P Y I V M E N T L R D S A L A I Q L A A R L N L
UniRef90_M1VB59 R R G Q V L V F A I D P S L V V E Y I L R E T N D L D L A I K F A A R N A L
UniRef90_B7G4Y3 R R G Q V F R L Q V N N Q A L I P Y V L N T L N D E D L A L K L A G R L N L
UniRef90_A0A016VCL9
UniRef90_B8C8U9 R T G K V L R L S V N G Q N L V P Y I V N T L R D N D L A V K L A S R G L G L
UniRef90_R7QJX3 R K G Q V L L M S V L N Q D S I V P Y V V R S K L E D E E L A V G L A S R N G L
UniRef90_F0XZJ1 R K G Q V L L Q V S L N E Q T L V P Y V V S T L R D N A L G I A L A S R L N L
UniRef90_W7U8K2 R S G K V L Q M N L N E Q T I V P Y I V Q V L R D N Q L A I D I A R R L N L
UniRef90_G0U6P4 A Q G S V L F H V S P N D N A I V P F V K N Q L Q N P E L A L R I A G S A N L
UniRef90_M0U5G0 R R G Q V L L A T V N E A T I V P F V S G Q L N N L E L A V N L A K R G N L
UniRef90_Q4D5X2 N Q G S V L F H V S P N D N G I V P F V K D Q M R N P E L A V R I A S S A N L
UniRef90_C5LU36 R G G H V I N F A I N V D T I V Q Y I I N N M P Q D V A F N L A R R Y G L
UniRef90_S9X013 N Q G S V S R V I G P N D S T I I N F I K N R L Q N P Q L A L R V A G S A N L
UniRef90_B3RJM4 D N G G V F S T S M N T E N L V P Y I T N T L Q N K A L A R K V A L R C N L
UniRef90_J9IJT0 K A G Q I L S I V D E L N F I P F I M K H C Q N V G V A F N L A Q R F S L
UniRef90_S9V6R4 N Q G A V R V G P D D G S I I N Y V K N R M Q N A G L A L R I A G T A N L
UniRef90_I11NH6 T R G Q V L H A T I N D A T I V P F C M Q L N N Y K L A A N L A K R A N L
UniRef90_F0VC81 K R G L V L C N I L N Q T L I P Y I T Q A L N N Q Q V A T S L A K R Y G L
UniRef90_W6KXS3 N Q G S V I R V A P N D T S I I P F V K N H M Q N P Q L A I R L A E S A N L
UniRef90_F4PSA2 R K G Q V L S V S I D D A N L I P Y I C N T L G N Y D L A V A M A S K N D L
UniRef90_H3GST0 H R G Q L L H F A I N D R A K I V P Y I L N T M R D Q L A L A S R M D L
UniRef90_A0CHK3 K E G T V Y T I S V N D D Q L V S Y L I N T C R H I Q L G F R L A S R Y K L
UniRef90_U6KTM1 K K G L V A L T T I V N D S L I G P Y M Q H A L P Q P N R A L S L A K R Y G L
UniRef90_A4HP23 N Q G S V M R I G P N D S G I I N Y I K N N M Q N P E L A L R I A S T A N L
UniRef90_D8M951 S K G G I M K V T L N E A N L V P F V M N G L K Q T N L A L E L A C R L N L
UniRef90_L8GHN7 K S G Q V L S V R L N E D A I V S Y I A L K L D K P R L A S R F A A R N G
UniRef90_UPI0002C3F32B K K G G I T S I S L E A D K I V P F V C K A L N N V G L G C K I A A R C N L
UniRef90_R1G410
UniRef90_Q6CGR2 R K G Q V L S V I E L N E K Q V I Q Y I L S S L G N A G V A L A V A S R G G L
UniRef90_V4C715 R K G Q V L T I D L E K E S V I S Y L R E T G K K S H Q A N R L
UniRef90_K1S249 R S G Q I I S V D V D K D D L V T Y V R G R A K T A N Q A D R L
UniRef90_A7AVF3 Q S G D I I E I L I D E N R I L S T L K C P E V R I S L A T R F G
UniRef90_B4M2G4
UniRef90_F2T2W6 R D G Q V L A V S V D E D K V I P Y I L Q K L N N E G L A V R L A S K G G L
UniRef90_G0R3W3 K N G Q V L L I Q I D P L A L V S H I M N V C Q N T Q F A F K L A A R Y K L
UniRef90_UPI000359E33E R G G Q V I T V D L K K D G F I S Y L R E Q V R T A Y R A N
UniRef90_B0E8A8 K K G V V T N I Y I E G D K L V P F I C N G L K N V G L G C K V A A R C N L
UniRef90_Q01GQ0 R G G Q V L L A T L N E A A V V P F V S G Q L N N L E L A L S L A S R G N L
UniRef90_L5JQN5 R K G Q V L S V C V E E E N I P Y I T N V L Q N P D L A L R M A V R N N L
UniRef90_I7LUR8 K N G N V I L I Q I D P S Q L V P H L Q N I P N V V Q V A F K L A S R Y R L
UniRef90_Q5C0K5
UniRef90_G0QNN6 K N G T V S L I Q I E A Q N L V N Y I I Q N C Q H V Q L A F K L A G R Y R L
UniRef90_Q4YW66 K K G K I Y Y I T L N Y I N L I N S L K S N I D V K D K I I R N L
UniRef90_J4C8N7 R N G E V L K V M V D E D R L L G V L D H L E D V C V G I A T C Y G L
UniRef90_L1LBL3 R I G K I I E I S V D E E R L L Q S V A H L D D V S V G L A T C Y G L
UniRef90_A2EV08 R D G R L V N I A I N N D S I V D Y I S Q R S S P Q V A A K V A A N A G I
UniRef90_Q4MZN7 R A G E V L S I I V D E D N L L S S L S N L G N L K E V S V G I A T C Y G L
UniRef90_T1J7J8 R N G Q V S
UniRef90_H3EZ40 E S G Q V L S V T I N H G T M L K Y I
UniRef90_S8CTW8 R R G Q V L L A T V N D S T I V P F V S G Q L N N L E L A V S V A K R G N L
UniRef90_B6AAW2 R R G L V L H V M V N S N I S S Y I Q S N
UniRef90_Q5CW85 K K G L V L H I T L N S S S V L T Y I Q S N P E L S L N
UniRef90_A0A023BBU4 R K G V V I G V S V N E F G L I Q Y I I K V P N G V S I G G S L A K R Y G
UniRef90_K7TW92
UniRef90_M7C6V7 K K G Q V L S V C V E E D N I V N Y A T N V L Q N P D L G L R M A I R S N L
UniRef90_Q4UBV3 R I G E V I N I I D E N N L L S Y L T H
UniRef90_H0ZWF2 W F I Q V L S V C V E E E N I I P Y I T N V L Q N P D L A L R M A V R N N L
UniRef90_A0A059LIE2
UniRef90_UPI000462C4E3 R S G K V L S I S V C P C A L R Q Y L S H H P A S L S L S Q R V
UniRef90_G0UW11
UniRef90_I7J5F9 K S G H I I E V K V D G R E L V Q Y L
UniRef90_UPI0004412B75
UniRef90_J0LG90 E D H R A S R V V L N E E H F I Q Y L L N N F Q N L Q V L F R I A D R N
UniRef90_G5C053 K K E Q V L S V C V E E E N I V N Y A T S V L Q N L D L G L R L A V C G N L
UniRef90_B7PKR1 R N G Q V L L V E M K K A A L R R V A E V V N R P A L S T R L
UniRef90_V6LQ88 A D G K I Q T L L I D E A S I V D F V M T R L N K Q S Q A V K L S M R A N L
UniRef90_G5A574 R R G Q L L H F G I N R D K L V P Y V L N S L R D P K L A L S L A S R M D L
UniRef90_X6LUN3 R G G Q V A L F N V D E K N F V S Y I T N V L G D S D L G E K F A
UniRef90_H3E3K8 N S G Q A S S F S I D Q H R M I A Y V C Q W N P E L A S K L T R R
UniRef90_W9RJ04 R R G Q V L L A T V N E Q T I V S F V S G Q L N N L E L A V S L A K R G N L
UniRef90_C6LPC0 T D G R C Y G I G V D K V N L V N Y I M T K R S Q P D V A Y A I A L R T G I
UniRef90_C4Y0J8
UniRef90_E9HVQ6 L N G K V L T V L I V N S R L L E Y L K M I N P T L A E Q I L K R
UniRef90_UPI000234F527
UniRef90_UPI0002652085
UniRef90_M7C9Z7 R S G K V L S V S L C P D P L L Q L L S P P C Q
UniRef90_Q4X9B7 K K G K I Y Y I T L N Y I S L I N S L K L S N I D V K D K I
UniRef90_S9WPV6 N Q G S V S R V G P N D S T I I N F I K N R L Q N P Q L A L R V A G S A N L
UniRef90_F6H4R6 K L R D F V S V T C D
UniRef90_X6LT18
UniRef90_E9C964 G T G L V L S L G V D P L A L R Q
UniRef90_E5SPL0 E M G C I V T A V I D E E E I S C L N I S L K N K S A V M K F A R R C N L
UniRef90_A5B512
UniRef90_D7G8K6 T A G G V H R L G V R A A A L R E S V E Y Y H K D P E M A T R V S A
UniRef90_X6MRT9 Q T G Q I A S I N I D E K N F F N Y I M T Y L T R P D D A K E F A

UniRef90_W7TNJ9

1 P [] S P R P [] E R H [] [] [] E E [] D [] V [] N P A N [] 30 MR D D R H [] C 40

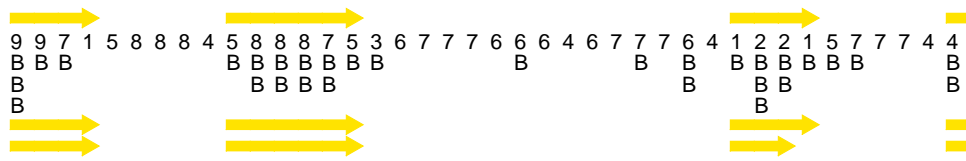
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm



UniRef90_W7TNJ9

F R E E F S S T N E ⁵⁰ V A I V V L E G ⁶⁰ P S R R D R Y P F E A R S A I L V P S A I ⁸⁰

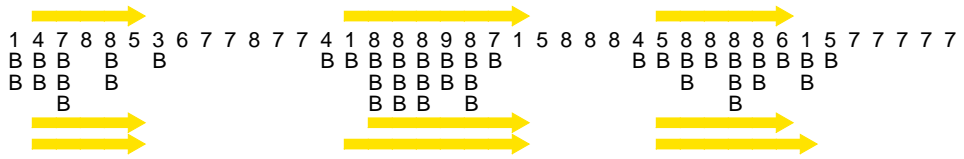
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm



UniRef90_W7TNJ9

A L F L T D A D L L G A N V C D C G V A G H G G S K V C L V L L R S A P A

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm



UniRef90_W7TNJ9

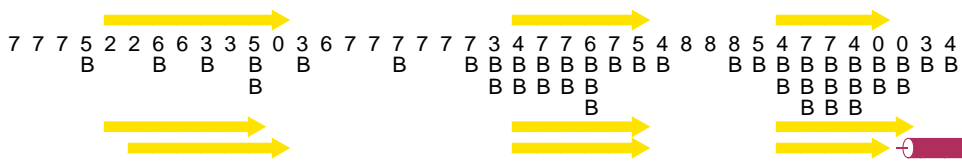
250

260

270

280

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm



UniRef90_W7TNJ9

290

300

310

320

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

