

QUERY UniRef90_UPI0003620EC8 UniRef90_Q3AC68 UniRef90_UPI0003B6B994 UniRef90_DOMHG2 UniRef90_R5QJN2 UniRef90_A3D1W4 UniRef90_J0B775 UniRef90_B5EPD1 UniRef90_B8CW17 UniRef90_R5RYY8 UniRef90_U4TLH0 UniRef90_F2NPH7 UniRef90_J2IB12 UniRef90_E8NDF3 UniRef90_H5SIU8 UniRef90_UPI00036F1D6C UniRef90_F8A8M0 UniRef90_H5STA9 UniRef90_A4SIV6 UniRef90_F2NF66 UniRef90_Q5P273 UniRef90_D1C722 UniRef90_A4SVA8 UniRef90_H6MXZ2 UniRef90_UPI0003B7B10D UniRef90_A8UQV4 UniRef90_UPI0002EE21C5 UniRef90_U7D783 UniRef90_F5SV15 UniRef90_UPI0003B4F57C UniRef90_M5A1B0 UniRef90_A4XLF5 UniRef90_I0AHM9 UniRef90_UPI00036A070A UniRef90_C9R889 UniRef90_UPI00036B35DE UniRef90_A1WI05 UniRef90_UPI00046300FE UniRef90_D3SDX1 UniRef90_C7MY80 UniRef90_C4L600 UniRef90_H0E574 UniRef90_UPI00035D171F UniRef90_K0J3G2 UniRef90_Z9JTP6 UniRef90_A5IM18 UniRef90_C0W783 UniRef90_I8AHY9 UniRef90_UPI0003B39DBB UniRef90_Q3J8X7 UniRef90_J0LL23 UniRef90_U5Q5N3 UniRef90_B0UW25 UniRef90_W7QQM6 UniRef90_F2F640 UniRef90_O07347 UniRef90_D6DJP1 UniRef90_F4H6K0 UniRef90_R7M6M9 UniRef90_G2YGY2 UniRef90_C5BWX4 UniRef90_L7LNR5 UniRef90_U2L468 UniRef90_UPI0003601ACA UniRef90_D1BLK2 UniRef90_D4K117 UniRef90_UPI00036852EF UniRef90_R6AWF1 UniRef90_E3HA25 UniRef90_E9V220 UniRef90_UPI000360893D UniRef90_W4EZ83 UniRef90_E0NMR7 UniRef90_E6WRP3 UniRef90_UPI000365D5D7 UniRef90_R6NZB1 UniRef90_A1VFE1 UniRef90_UPI00046D718B UniRef90_L0E349 UniRef90_UPI0003B5D8F9 UniRef90_I4A0Y1 UniRef90_D5ES69 UniRef90_UPI0003782B50 UniRef90_R6E924 UniRef90_I0R154 UniRef90_UPI00036AA866 UniRef90_Q24UA4 UniRef90_I6ZNE1 UniRef90_UPI000255D552 UniRef90_R5GB84 UniRef90_B0K1V1

1 10 20 30 40

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

QUERY	50	60	70
UniRef90_UPI0003620EC8	A A G S R	G T S V I	Q Q E V N
UniRef90_Q3AC68	A K G S R	G T S V I	Q Q E V N
UniRef90_UPI00036B6994	A N G S R	G T T V I	Q Q E V N
UniRef90_DOMHG2	A R G S R	G M E T V	Q Q E V N
UniRef90_R5QJN2	A A G S R	G T V I	Q Q E V N
UniRef90_A3D1W4	A A G S R	G T V I	Q Q E V N
UniRef90_J0B775	A A G S R	G T V I	Q Q E V N
UniRef90_B5EPD1	A A G S R	G T T V I	Q Q E V N
UniRef90_B8CW17	A A G S R	G T T V I	Q Q E V N
UniRef90_R5RY8	A K G A G	G T V I	Q Q E V N
UniRef90_U4TLH0	A A G S R	G T V I	Q Q E V N
UniRef90_F2NPH7	A A G S R	G T S V I	Q Q E V N
UniRef90_J2IB12	A A G S R	G T V I	Q Q E V N
UniRef90_E8NDF3	A A G S R	G M T V I	Q Q E V N
UniRef90_H5SIU8	A A G S R	G T T V I	Q Q E V N
UniRef90_UPI00036F1D6C	A A G A G	G T V I	Q Q E V N
UniRef90_F8A8M0	A K G S R	G T T V I	Q Q E V N
UniRef90_H5TA9	A L G S R	G T S V I	Q Q E V N
UniRef90_A4SIV6	A A G S R	G M Q V I	Q Q E V N
UniRef90_F2NF66	A K G S R	G V E T V	Q Q E V N
UniRef90_Q5P273	A A G S R	G T S V I	Q Q E V N
UniRef90_D1C722	A A G S R	G T S V I	Q Q E V N
UniRef90_A4SVA8	A A G A G	G V E T V	Q Q E V N
UniRef90_H6MXZ2	A A G S R	G V E T V	Q Q E V N
UniRef90_UPI00036B7B10D	A S G S R	G T Q I V	Q Q E V N
UniRef90_A8UQV4	A R G S R	G T S V I	Q Q E V N
UniRef90_UPI0002EE21C5	A R G A G	G V E T V	Q Q E V N
UniRef90_U7D783	A R G S R	G R T V I	Q Q E V N
UniRef90_F5SV15	A A G S R	G T Q I V	Q Q E V N
UniRef90_UPI00036B4F57C	A K G S R	G T T V I	Q Q E V N
UniRef90_M5A1B0	A A G S R	G T Q V I	Q Q E V N
UniRef90_A4XLF5	A M G S R	G T V I	Q Q E V N
UniRef90_I0AHM9	A R G S R	G T T V I	Q Q E V N
UniRef90_UPI00036A070A	A Q G S R	G T T V I	Q Q E V N
UniRef90_C9R889	A R G S R	G T T V I	Q Q E V N
UniRef90_UPI00036B35DE	A A G S R	G T Q I V	Q Q E V N
UniRef90_A1WI05	A H G A G	G V H I V	Q Q E V N
UniRef90_UPI00046300FE	A L G A G	G V Q I V	Q Q E V N
UniRef90_D3SDX1	A A G S R	G T Q I V	Q Q E V N
UniRef90_C7MY80	A K G S R	G T V I	Q Q E V N
UniRef90_C4L600	A K G S R	G R S V I	Q Q E V N
UniRef90_H0E574	A K G S R	G T S V I	Q Q E V N
UniRef90_UPI00035D171F	A A G S R	G K D I V	Q Q E V N
UniRef90_K0J3G2	A Q G S R	G T P I V	Q Q E V N
UniRef90_Z9JTP6	A K G S R	G T T V I	Q Q E V N
UniRef90_A5IM18	A R G S R	G T T V I	Q Q E V N
UniRef90_C0W783	A K G S R	G T T V I	Q Q E V N
UniRef90_I8AHY9	A N G S R	G R T V I	Q Q E V N
UniRef90_UPI00036B39DBB	A K G S R	G M T V I	Q Q E V N
UniRef90_Q3J8X7	A A G S R	G T Q V I	Q Q E V N
UniRef90_J0LL23	A Y G S R	G V T V I	Q Q E V N
UniRef90_U5Q5N3	A A G S R	G T T V I	Q Q E V N
UniRef90_B0UW25	A L G S R	G T Q V I	Q Q E V N
UniRef90_W7QQM6	A M G S R	G T Q V I	Q Q E V N
UniRef90_F2F640	A T G S R	G T T V I	Q Q E V N
UniRef90_O07347	A K G S R	G T S V I	Q Q E V N
UniRef90_D6DJP1	A R G A G	G V D I V	Q Q E V N
UniRef90_F4H6K0	A R G S R	G T T V I	Q Q E V N
UniRef90_R7M6M9	A K G S R	G R T V I	Q Q E V N
UniRef90_G2YG2	A S G S R	G M Q V I	Q Q E V N
UniRef90_C5BWX4	A R G S R	G T T V I	Q Q E V N
UniRef90_L7LNR5	A N G S R	G V T V I	Q Q E V N
UniRef90_U2L468	A K G S R	G T T V I	Q Q E V N
UniRef90_UPI0003601ACA	A A G S R	G T R V I	Q Q E V N
UniRef90_D1BLK2	A L G S R	G T Q V I	Q Q E V N
UniRef90_D4K117	A A G S R	G T Q V I	Q Q E V N
UniRef90_UPI00036852EF	A N G S R	G V S V I	Q Q E V N
UniRef90_R6AWF1	A A G S R	G T T V I	Q Q E V N
UniRef90_E3HA25	A K G S R	G V E T V	Q Q E V N
UniRef90_E9V220	A K G S R	G R Q V I	Q Q E V N
UniRef90_UPI000360893D	A N G S R	G A T V I	Q Q E V N
UniRef90_W4EZ83	A K G S R	G C S V I	Q Q E V N
UniRef90_E0NMR7	S N G A G	G V P I V	Q Q E V N
UniRef90_E6WRP3	A R G S R	G T P I V	Q Q E V N
UniRef90_UPI000365D5D7	A A G S R	G M Q V I	Q Q E V N
UniRef90_R6NZB1	A A G S R	G Q T I V	Q Q E V N
UniRef90_A1VFE1	A K G S R	G T T V I	Q Q E V N
UniRef90_UPI00046D718B	A R G S R	G T R V I	Q Q E V N
UniRef90_L0E349	A A G S R	G C Q I V	Q Q E V N
UniRef90_UPI00036B5D8F9	A L G S R	G T S V I	Q Q E V N
UniRef90_I4A0Y1	A R G C G	G R S V I	Q Q E V N
UniRef90_D5ES69	A A G S R	G T K L I	Q Q E V N
UniRef90_UPI0003782B50	A E G S R	G R S V I	Q Q E V N
UniRef90_R6E924	T S R R M	A K G S R	G T S V I
UniRef90_I0R154	A K G S R	G T S V I	Q Q E V N
UniRef90_UPI00036AA866	A M G A G	G V D I V	Q Q E V N
UniRef90_Q24UA4	A K G S R	G T S V I	Q Q E V N
UniRef90_I6ZNE1	A R G S R	G N T I V	Q Q E V N
UniRef90_UPI000255D552	A R G S R	G V H I V	Q Q E V N
UniRef90_R5GB84	A A G S R	G V E T V	Q Q E V N
UniRef90_B0K1V1	A K G S R	G T T V I	Q Q E V N

UniRef90_UPI00037BCAB4 1 G F D L E D F R D Q L Q Q Q M E K G F K Q F E S I I V N S M T P H E R R K N D P K E V I L S N
UniRef90_U1R6T2 F T L D D F I E Q L Q Q Q D D K G S I T R I E E A I V L R S M T P Q Q E E R R K N D P K E V I L S N
UniRef90_C1AAY3 M L K D V L Q Q Q D D P K R M K H I E E A I V L R S M T P Q Q E E R R K N D P K E V I L S N
UniRef90_UPI000288E35B F T F D D F L D Q Q M S D D D K Q S I T R I E E A I V L R S M T P Q Q E E R R K N D P K E V I L S N
UniRef90_K1JS11 F D L N D F R A Q L S Q Q M K K S I V R R T M G I I I D S M T P F E E R R K N D P K E V I L S N
UniRef90_U2DAJ1 F D L E D M L V Q L D Q Q D D R K E I Q M D Q V R A I I I C G S M T P K K E E R R R A K P P K D L L I N N
UniRef90_H8L462 F D L N D M R D Q L Q Q Q M D K E I H K M V J A I I I G S M T P K K E E R R R A K P P K D L L I N N
UniRef90_R5PEE8 F D F N D F L D Q M E Q Q M E K M M N M P K A I I I L S M T P K Q E E R R S H P E I I L I N K
UniRef90_F9ZMA3 G F D L E D F R E Q L R Q Q D Q K P M R R L E A I I I N S M T P Q Q E E R R H P E I I L I K
UniRef90_UPI0003B66125 G F D L E D F L R N Q M L Q Q M D K M V K Q M V G I I I N S M T P Q Q E E R R F P D D L I I K
UniRef90_F2JS77 F N F E D F L E Q M Q Q Q D E K Q M A H I E E A I I I L S M T P K A E E R L N P S E L L I N K
UniRef90_UPI00036391C0 G F T F E D F L K E Q M E Q Q D R E I R Q M I A I I I N S M T P Q Q E E R R D Q P E E V I I N K
UniRef90_C2U181 F T L D D F L E Q L G Q Q D E K Q I L G H I E E A I I I N S M T P K E E E R R E Q N P E E V I I N K
UniRef90_UPI000382391B F D F S D F L S Q L Q Q Q I K K M F A P I E E A I I I N S M T P K E E E R R S N P D D L I I D
UniRef90_K0B0N2 F T F E D F L D Q L Q Q Q D E K D Q F K R I E E A I I I Q S M T P K E E E R R I N P D D V I I D
UniRef90_K2EXR2 G M S K N D R E Q L H V G E K Q L K R I E E A S I I I N S M T P E E E R R R N P D D V I I D
UniRef90_Q39RN4 F D L E D F R S Q L Q Q Q I E K E L K R I E E A T I I I D S M T P G E E E R R A N H Q I I I N
UniRef90_E6PE56 F S L D D F L D N M R Q P E R E L K K T E A I I I C S M T P R Q M E E R R A P P Q D I I L N
UniRef90_D7UVJ7 F T L D D F L D N M Q V D D R K Q L G H I E E A I I I K S M T P K M E K D A N P P S E L I N N
UniRef90_C0D9Z5 F D Y N D F L A Q M Q Q G E K S M K R V E S I I I L S M T P K D E E R E R A N P P G L I I N
UniRef90_D5MMN9 G F T L E D F R L Q L Q Q Q A E Q E F K R A E A I M N S M T P R R E E R R E V D P A V L I N N
UniRef90_G5G9N F D F N D F L E Q L Q Q Q D E K Q F S R V E A I I I L S M T P K E E E R R E R T D P A V L I N N
UniRef90_H0JE14 F D L E D F R D Q L R Q Q M E K H F K Q M E A I I I D S M T P A E E E R R D P E E L I S
UniRef90_K6BYV9 F T L E D F L D Q V L G Q Q D E K Q L A H V E A I I I Q S M T P K A E E K M N P S E L I N N
UniRef90_D9S350 F T L Q G V F F N E K E L V H I E E A I I I N S M T P K E E E R R N M N P S E L I N N
UniRef90_UPI000289E868 F T F E D F L E Q M D Q Q D D R K M A R I E E A I V I K S M T P T E E E K R Q Q P E S I L I N N
UniRef90_M7PAM8 F T F D D F L E Q L E Q Q D E K Q M G R V E A V I K S M T P T E E E K R A N P S E I L I N N
UniRef90_U3GZK2 T L D D D F L N Q M Q M D E K Q L D R I Q A E A I I I R G M T P E E E R R S K N P S E I L I N N
UniRef90_R7EYX6 F D L E D F L K T M K Q D P K Q T S H I E E A I I V L S M T P E E E R R R N P S E I I K
UniRef90_D1B6K7 F T L E D M L I Q L R Q Q D P K R I T S H M E A I I I L Q S M T P P R E E R R R N P S E I I K
UniRef90_UPI000225AD2B F T F D D F L E Q M S Q Q D E K Q L S H V E A I I I Q S M T P K K E R R Q D P T I M N
UniRef90_UPI0002FEFCB9 F D F N D F L D Q M D Q M N K M L A H M R A T V Y S M T P Q E E E R E H P D V I L N
UniRef90_R6N1G9 D L N D L L D Q F Q Q D D R I M D R R M C A I T I I N S M T P A E E R R A K P P E I I K
UniRef90_W0SAY2 G F D L N D F K D Q I G Q M K M V R R L E G I I I N S M T P G E E R S K P P E I I K
UniRef90_Q31GY0 F D L E D F L E Q L Q Q Q I E K D F K R L E A I I I Y S M T P R Q E E R A H P A I I K
UniRef90_R5J45 F D Y N D F L S Q M Q Q I K M M H R V E S I I I S M T P K E E E R R A N P G V L M
UniRef90_UPI000225A8A2 D K M D E M G V D D T I L K R Q I A I I I R S M T P K K E E R R D P K V L I N
UniRef90_I3VVW73 F S F D D F L D Q L Q I S D K D I K R I E E A I I V Q S M T P K E E E R R Q N P S I I N
UniRef90_UPI00045E88D3 F T L E D F L A Q M Q F D E R E V D R I E E A I V R S M T P A E E E R R T P S I I N
UniRef90_E8N5B7 F T L E D F A N Q L R Q F A E R Q L K M T E A I I I N S M T P R E E E R L N P K D I L I N
UniRef90_UPI00035E3008 M R D Q L D Q Q D E R E V G R I E E A I I I H S M T P A E E R D N P K D I L I N
UniRef90_C7PQD6 F D F E D F R E Q L Q Q Q K M F K G I E E A M I G S M T P Y E E E R R N P D D S I
UniRef90_I3ZF85 G F S L E D F R D Q L R Q D E G Q L T R T E A I I I N S M T T K E E R L N H E I I D
UniRef90_UPI000420DD32 F S L E D F L E Q M Q I D D K Q I L R T T A I I I R S M T P E E E R R N S K I I S N
UniRef90_UPI00037DF5A6 F D F N D F L A Q I Q Q I K M F K G I E A I I I R S M T P Q Q E E R T A N P P E I L N
UniRef90_F0J1K3 F D L E D Y A E Q L Q Q I T K M L R Q A A I I I S M T P K A E E R A N P D D I L M K
UniRef90_E0I416 F T F E D F L D Q M E Q Q D D K Q I G R V E A I V S S M T P T D E K R R N P D D L L N
UniRef90_D7CX91 F S L Q D M L T Q M Q K D E R E L A R I E E A I I S S M T P E R E R R Q N P K L L M
UniRef90_F2IIE6 F D F N D F L G Q I Q Q I K M F K H I E E A I I F S M T P K E E E R R A N P S L M
UniRef90_UPI00035D74B7 F T L D D F L K Q M Q Q D E S S M V R I E E A I I I Q S M T P L E E R K T P K V L N
UniRef90_W8T6L8 F T F E D F L E Q L E Q Q D D K E I V K V Q A I I I Q S M T P R Q E E R R Q N P D D I L N
UniRef90_F5SCQ1 F T F D D F L E Q M E Q Q D E K Q L T K V E A I I I R S M T P R E E E K Q N P D D I L N
UniRef90_E6TSZ3 L K N I Q V D D K Q L G H I E E A I V Q S M T P K A E E K E D P S I I L N
UniRef90_I0HG99 F T L E D F L D Q L E L D D S H F D R V T A I I I R S M T P Q Q E E R T T P K I I N
UniRef90_UPI0003652B08 G F D L N D F K A Q I V Q M E K A M G Q V E A I I N A M T P K E E R A N P A L I K
UniRef90_R5P4R0 F G F D D Y L E Q M Q Q D E K V L G R T E A I I I Y S M T P E E E R S N P A I I N
UniRef90_R6PK62 L D E I L D V D D N A T K H I E E A I I I Q S M T P A E E R Q N P D D I L N
UniRef90_U5NAH4 F D L N D F L E Q L L Q M Q M V R R K I G I I I H S M T P K E E R S Q P E I L I K
UniRef90_R6T669 G F D L N D L L E Q M K Q I Q K M L K K T E A M I N S M T P A E E E R E K P A I I D
UniRef90_R6QAB6 F D L N D F L D Q F E Q D E K A F D R F R A I I I Y S M T P K Q E E R E R P D D I I N
UniRef90_G0IVL3 F D F D D F L S Q M D Q Q I K M F I P L E A I I I R S M T P D E E R G N P S I I D
UniRef90_R7RRN2 F T L E D F L E Q M Q Q M E K E L L H A E A I I I K S M T P K E E E R R R N P S I I N
UniRef90_T2L3X6 G F D L E D F R D Q L Q Q D D E K E L G K L E A L I I N S M T P K E E E R R Q N P D D I I N
UniRef90_E3PS46 F T F D D F L D Q M Q Q Q D D K E L V K I E A I I I Q S M T P K K E E R R Q N P S I I N
UniRef90_W8AAU5 F T F D D F L E Q L E Q Q D E H Q L V R V E A I V K S M T P L E E K R D P A V I N
UniRef90_W5WJD7 T L E D F L E Q M N F D E K R L R R L Q A A I I R G M T P A E E R R A D N P D I I N
UniRef90_G9ZEF4 F D L D D F R E Q L H Q M Q K K I L R R Q E A I I Q S M T P M Q E E R R N P K D I I K
UniRef90_UPI00037B91C6 F D L N D L K D Q L Q Q D E G M F K R Q A A I I D S M T P K A E E R A N P D D L I K
UniRef90_F0SUE4 V L K D V I Q I D D K E F A R V E A M I Q S M T P V E E E R T R P A V I K
UniRef90_UPI000403CBD7 F D L D Y V L S Q I K Q I K K M F K H I E E A I I I S S M T P K A E E R K T P A V I K
UniRef90_A6TRT0 F T F E D F L E Q L Q Q D E K E L V H I Q A I I I Q S M T T G E E R K T P T I I N
UniRef90_G4E716 F D L N D F L R E Q L Q Q M K E L G R M L A I I L N S M T P K E E E R R Q P D D I I K
UniRef90_R5UVR8 F N F N D F L G Q L Q Q I K M F K S V E A I I I H S M T P M E E R E M P D D I I N
UniRef90_UPI00037FB2FB T L N D F L E Q M M V D E K S L D R I Q A A I I R G M T P E E E R R N P K I L N
UniRef90_UPI00029A1899 F D F D D F L A Q L Q Q M D K M T V L R A M I H S M T P A K E E R R S P E L I Q
UniRef90_D4W359 Y D F N D F L K Q M Q Q D P K Q M A R V E A I I I Y S M T E Q E E R R K P D L I N
UniRef90_C4K8Z5 F D L N D F L E Q L K Q D D N L T T R M E V I I C S M T P K K E E R I K P D I I K
UniRef90_A7C2X5 G F T L E D F R A Q L T Q D D K E M G R M E A I I I N S M T P A E E E R R H N P V I V K
UniRef90_F4D114 T L E D F L D Q M Q V D D K Q L D K L Q A A I I R G M T P A E E E R E N P K I I N
UniRef90_W1TPS5 G M N Q F R D Q L D A D E K S I D R I E A I V I N S M T P A E E R D D L S L I N
UniRef90_F4LTL4 F D L N D F K D Q L S Q Q D K E L S R V E A I I N S M T P L E E E R S N P S I I N
UniRef90_C3X556 F D L N D F Q A L E S Q M K K Q V G R M A G I I N S M T P Q Q E E R A K P S E I I K
UniRef90_R6LQX1 F T L A D F Y D Q L T Q D E K A M A R T E A I I I Q S M T P Y E E E R R N P S V L N
UniRef90_S0FP11 F T M E D F L E Q M Q Q D E K K M A R T E A I I I K S M T P K K E E R N D P S I I N
UniRef90_E0QIU4 F N F E D F L K Q M Q Q D D K E L L K I E A I I Q S M T P K Q E E R L D P S I I N
UniRef90_K2KHT1 F D L D D M A A Q L R Q D E K Q L A H Q E A L I S S M T P K K E E R K D I K L I N
UniRef90_K1DXF8 F T F D D F L Q Q M N L D E R E F D R V E A M V R S M T P F E E R T H P K Q I N
UniRef90_UPI0002D92929 M K D M K V D E K Q L G R V E A I V K S M T P T E E R A N P D L I N
UniRef90_A0A015KRH1 F T F E D F L E Q M A Q D E K Q I N R V E A I V R S M T P T E E E K R K P E L I N
UniRef90_S6AN70 F D L E D F K A Q L Q Q D D K S I N R I E G I I N S M T P G E E E R R N P A L I K
UniRef90_R7MLR8 F D M N D F L D Q F K Q D D K Q L D R I E A I I T S M T P A E E E R R K P S I I N
UniRef90_UPI000478703B F D F N D F I S Q I E Q D D A F K P I V J A M I Q S M T P E E E R G N P D L I D

UniRef90_UPI00037BCAB4 G S R K K R I A M G S G T Q I V Q Q D I N R R L L M D R Q H K Q M A K M M K K F S
UniRef90_U1R6T2 G S R R R M R I A K G S G T S V Q E E V N R S L L L E Q R F F E Q Q A R K M M M Q Q V S S
UniRef90_C1AAAY3 G S R R R A R I A K G S G R S V S E E V N R R L L L I D E Q Q F F R E E M K M M K K M S
UniRef90_UPI000288E35B G S R R R K R I A L G G S G R S V Q E E V N R R L L L I K Q Q F D E M Q K M M K K M S
UniRef90_K1JS11 A S R R K K R I A A G A G G V P V Q E E V N R R L L L K Q Q F D E T Q Q D M M K R M K S
UniRef90_U2DAJ1 P S R R K R R I A A G S G T R L P E D V V N R R L L L K Q Q Y E T M S K L M K Q F S
UniRef90_H8L462 G S R R A R V A A R G S G T L P A D V V N R R L L L K Q Q Y M E K M M S K L S S
UniRef90_R5PEE8 P S R R K K R I A D G A G G V P I S E V V N K L I K Q Q F E Q M S R K M M K Q M S
UniRef90_F9ZMA3 A S R R R R R I A A G S G T T V T T E V N R R L L L K Q Q F E M M M Q
UniRef90_UPI0003B66125 G S R R K R R I A V G G S G L Q I V Q Q D V N R R L L L K Q Q F H K Q M S K M M K K F S S
UniRef90_F2JS77 M S R R K K R I A Q G S G R D L V Q Q E V N R R L L I K Q Q F E Q M M Q G M M K Q F S S
UniRef90_UPI00036391C0 A S R R K R R I A A G S G L Q I V Q Q D V N R R L L L K Q Q F H M Q M S K A M K Q F S
UniRef90_C2U181 A S R R K K R I A K G S G T T V V Q E E I N R R L L I K Q Q F D D M M K M M K T M S
UniRef90_UPI000382391B A S R R K K R I A A G S G T T T I Q Q D V N N L L L K Q Q F D E M R K M M M K K M
UniRef90_K0B0N2 G S R R K R R I A Q G S G T Q I V Q E E V N R K L L K Q Q F K E T R K M K K K F S
UniRef90_K2EXR2 P N R K R R I A K G C G L P I E E I N K F L K E F F E N M R K M M K K M S
UniRef90_Q39RN4 G S R R L R I A K G S G T T V V Q E E V N Q L L L K R F F T E A Q K V M K Q L Q
UniRef90_E6PE56 G S R R K R R I A L G G S G T Q I V Q E V N R R L L L K Q Q F D Q A K S L M K Q F
UniRef90_D7UVJ7 A G R R K R I A R G S G R P I V Q E V N R R L L L K Q Q F N E M K M M K Q M
UniRef90_C0D9Z5 P S R R K K R I A R G A G G V D I S E V V N R L V K Q Q F D Q M K M M K Q M
UniRef90_D5MMN9 G S R R K R R V A S G S G T S V A D V N R R L L L K Q Q F V Q A R K L M K R V
UniRef90_G5GGN9 P S R R K R R I A K G A G V N I S E V V N R I V K Q Q F E Q M K M M K Q F S
UniRef90_H0JE14 G S R R K K R I A L G S G T Q V V Q D V G R L I K Q Q H K Q M M M M K K V
UniRef90_K6BYV9 A N R R R R R I A K G C G R P V T E I N R R L L L K Q Q F E D M K M M K Q M
UniRef90_D9S350 G S R R R R R I A M G S G T S V V Q E D V N R R L L L K Q Q F E D M K M M K V K Q L S S
UniRef90_UPI000289E868 A S R R K K R I A L G S G T S V V Q E E V N R R L L I K Q Q F E D M R K M M K Q L S S
UniRef90_M7PAM8 S S R R K K R I A R G S G T S I V Q E E V N R R L L L K Q Q F D E M K M M K Q M S
UniRef90_U3GZK2 A S R R K R I A N G S G V T V A D V N Q L V K R F E D A K K M M G Q M
UniRef90_R7EYX6 A S R K V R I A K G C G L E V Q D V N R L L L D Q Q F E Q M K M M K Q M S
UniRef90_D1B6K7 G S R R R R R I A Q G S G T S V S Q M V N Q L L L H Q Y E Q M K D L M K A F
UniRef90_UPI000225AD2B A S R R K R R I A K G S G T S V S Q E V N R R L L L K Q Q F D E M K M M K Q M
UniRef90_UPI0002FEFCB9 P S R R R R R I A A G A G R P V Q E E V N R M I K Q Q F D Q M K M M K Q M S
UniRef90_R6N1G9 P S R R K R R I A A G S G M K V Q E E V N R L L R Q Q F E Q M K M M K Q M S
UniRef90_W0SAY2 A N R K R R I A T G A G V S I Q E E V N R L L L N Q Q F E Q T Q K M M K Q F S
UniRef90_Q31GY0 G S R R K K R I A N G S G T S V V Q D I N K L M K Q Q F T Q M Q K M M K K V S
UniRef90_R5J45 P S R R K R R I A K G A G V D I G E V N R R L V K Q Q F D Q M K M M K Q M
UniRef90_UPI000225A8A2 G S R R K R R I A A G S G T S I V Q Q D V N R R L L L K Q Q F E Q M Q S M M K R L
UniRef90_I3VVW73 G S R R K K R I A A G S G T S I V Q Q D V N S L L L K Q Q F E Q T K K M M K Q F
UniRef90_UPI00045E88D3 G S R R A R I A R G S G T S T T D D V N Q L L L E R F A G A Q K M M K Q M
UniRef90_E8N5B7 A S R R R R R I A R G S G T D V T Q D V N R R L L I K Q Q F R E A Q K L F K T F Q
UniRef90_UPI00035E3008 G S R R A R I A K G A G T T T T A I N Q L L L E R F D N A Q K M M R Q
UniRef90_C7PQD6 G S R R K R R I A K G S G K T I V Q D V N Q F M K Q Q F D Q M R Q M M M
UniRef90_I3ZF85 G S R R K R I A A G S G T S V V Q E E V N Q L L L K Q Q Y G Q M R K M F K G L
UniRef90_UPI000420DD32 G S R R L R I A G S G G V T V S E E V N Q L L L T R F K D A Q K M M R Q M
UniRef90_UPI00037DF5A6 G S R R A R I A K G S G T N V Q E E V N K L L L K Q Q F D E T R K M M M
UniRef90_F0J1K3 A S R R K R R V A A G S G T S V V Q E E V N R R L L L K Q Q F E Q M K M M K R
UniRef90_E0I416 Y S R R R R R I A A G S G T Q I A D V N R R L L K Q Q F D E M R K M M K Q F S
UniRef90_D7CX91 A S R R K R R I A A G S G T S V V Q D V N R L M K N Y E Q M K V M K Q
UniRef90_F2IIE6 G T R K T R I A N G S G T N I Q E E V N K L L K Q Q F E D T K K M M M S
UniRef90_UPI00035D74B7 G S R R S R I A R G S G T T V S E E V N D L M K R F E Q S S K M M R Q V
UniRef90_W8T6L8 A S R R K R R I A R G S G T S V V Q E E V N R L L L K Q Q F E Q T K K M K F
UniRef90_F5SCQ1 A G R R R R I A A G S G T T V V Q D V N R R L L I K Q Q F M D M K M M K N F
UniRef90_E6TSZ3 A S R R R R I A K G S G T S I V Q E E V N R L L I K Q Q F G E M K M M K Q M
UniRef90_I0HGW9 A S R R V R I A N G S G V T V M D V N Q L L N R F A D A Q K M M K Q M S
UniRef90_UPI0003652B08 A S R R K R R I A L G S G V T V Q E E V N K M L L K Q Q F E Q S Q K V M K Q F S S
UniRef90_R5P4R0 V S R K N R I A R G A G V D I A E E V N R L M K Q Q Y E Q S K L M K Q M S
UniRef90_R6PK62 G S R R K R R I A K G C G R S I Q E E V N K L L K Q Q F N D M K M M K S L
UniRef90_U5NAH4 A H R K R R I A A G A G V Q V H E V N R M L K E F F E Q V Q T M M K M K
UniRef90_R6T669 P K R K R R I A A G S G T Q V S D V N Q L L K Q Q F E Q M Q K M M K Q F
UniRef90_R6QAB6 P S R R K R R I A K G C G M T V E D V N K L L A Q Q F K Q M Q K M V K Q L
UniRef90_G0IVL3 G S R R R R I A K G S G R T I Q E E V N L M K Q Q F A D M R K M M K Q M
UniRef90_R7RRN2 A S R R K K R I A K G S G T S I V Q E E V N K L L N G F E Q A R K M M K Q F
UniRef90_T2L3X6 G S R R K R R I A S G A G L V P D L N R R L L L K Q Q H K Q M K M M K
UniRef90_E3PS46 A S R R K R I A M G S G T H V S Q V N R R L L L K Q Q F E E S K M M K Q F
UniRef90_W8AAU5 G S R R K R I A K G S G T T I Q D V N R R L L L K Q Q F E D M K M M K Q M
UniRef90_W5WJD7 G S R R L R I A N G S G V A V S E V V N D L V T K F F D A R K M M K Q M
UniRef90_G9ZEF4 G S R R K R R I A A G A G V D V P E V N R R L L K Q Q F K E M Q N Q M K F R
UniRef90_UPI00037B91C6 A S R R K K R V A A G S G T K V E E I N K L L L K M H R Q M A D M M K M M
UniRef90_F0SUE4 D S R R K R R I A R G S G T S V V Q D V G K L L I K Q Q Y E Q T S K M M K Q M S
UniRef90_UPI000403CBD7 A S R R K K R I A A G S G T S V V Q D V N K L L K Q Q F D D M T M M K R I
UniRef90_A6TRT0 G S R R K R R I A K G S G T S V A Q V N R L L I K Q Q F D Q T K M M K Q F
UniRef90_G4E716 A S R R K R R I A A G S G T Q V V Q D V N R L L L K Q Q H L Q M S K M M K Q F S
UniRef90_R5UVR8 G S R R K R R I A L G S G T T V V Q D V N R R L L K Q Q F E E S K M M K Q L S
UniRef90_UPI00037FB2FB A S R R R R R I A A G S G V A V S E E V N Q L I E R F F E A K M M S R M
UniRef90_UPI00029A1899 G S R R K R R I A M G S G T Q I Q D V N R R L L K Q Q F T Q M Q K M M K R F
UniRef90_D4W359 A S R K Q R I A K G C G C Q I A E V N R M I K Q Q F T D M R K M M K F S
UniRef90_C4K8Z5 G S R R K R R I A A G S G T K I Q D V N R R L L K Q Q F Y E M Q G M M K K M K
UniRef90_A7C2X5 G S R R K R R I A N G S G T Q I Q D V N R R L L L K Q Q F S E M Q K M F K V S
UniRef90_F4D114 G S R R L R I A N G S G V T V S D V N D L V N R F S E A R K Q M K A M
UniRef90_W1TPS5 G S R R A R I A R G S G T S V S E V V N G L V E R F T Q A A K M M K R M S
UniRef90_F4LTL4 G S R R K R R I A A G S G T A I Q D V N R R L L L K Q Q Y A Q T K M K Q F
UniRef90_C3X556 A S R R K R R I A A G A G V Q V Q E E V N R R L L S Q F E Q M Q S M M K M K
UniRef90_R6LQX1 H S R R K R R I A A G S G V K V E D I N R L L L K Q Q F D M M N Q M M K Q F S
UniRef90_S0FP11 G S R R K R R I A A G S G T T I Q E E V N Q L V K Q Q F E E M K L M M M
UniRef90_E0QIU4 G S R K L R I A K G S G T Q I S Q V N K L L K Q Q F E E T R K M M K Q M
UniRef90_K2KHT1 A S R R K R R I A A G S G T T V S E E V N R L L L K Q Q Y Q D M S R V M K Q M
UniRef90_K1DXF8 G S R R S R I A K G S G V T V S E V N Q L L E R F F E A Q K M M K Q L
UniRef90_UPI0002D92929 A S R R K R R I A A G S G T S V V Q E E V N R F I K Q Q F T E M K M M K Q F
UniRef90_A0A015KRH1 H N R R K R R I A A G S G T S V A E E V N R L I K Q Q F D D M R K M M K Q F S
UniRef90_S6AN70 A S R R K R R I A A G A G V Q V E E V N R L L L N Q Q F E Q T Q K M M K V
UniRef90_R7MLR8 P S R R K R R I A A G S G T K V Q E D V N K L L K Q Q F D Q M Q K M M K Q F
UniRef90_UPI000478703B G S R R K R R I A R G S G R T I Q E E V N N L I K Q Q F G E M R K L M R K M

UniRef90_B1ZX65
UniRef90_UPI0003791FED
UniRef90_UPI000370DAC3
UniRef90_F7YY61
UniRef90_G8LTC2
UniRef90_UPI00037BB471
UniRef90_F0P088
UniRef90_UPI0003B3D1D6
UniRef90_X8IUX1
UniRef90_R5AI54
UniRef90_UPI00042A76BE
UniRef90_R6QE81
UniRef90_R5XTG3
UniRef90_I8T2C0
UniRef90_A4J670
UniRef90_B0U2A5
UniRef90_E0RSL0
UniRef90_UPI00047D59AB
UniRef90_B0T561
UniRef90_E4NHIO
UniRef90_H6NQ86
UniRef90_V6F5K0
UniRef90_UPI00047B8B96
UniRef90_D0R3G1
UniRef90_UPI00037992E3
UniRef90_W9EKK4
UniRef90_UPI00047CE935
UniRef90_Q89X41
UniRef90_E4KZ48
UniRef90_J5GGG8
UniRef90_UPI00047B62E4
UniRef90_I2F262
UniRef90_H6L033
UniRef90_R5MHC6
UniRef90_B1I2P8
UniRef90_UPI00036CA9EB
UniRef90_R9K6P8
UniRef90_C6WYB1
UniRef90_UPI000411329D
UniRef90_G8NRI3
UniRef90_E0E4A4
UniRef90_S2Z0A3
UniRef90_K2BE52
UniRef90_D2RIG7
UniRef90_UPI0003B39FA0
UniRef90_Q0AWV3
UniRef90_R7I6F3
UniRef90_R7BK29
UniRef90_I0JYK2
UniRef90_B4D1X7
UniRef90_R7HEI0
UniRef90_UPI00037FF11A
UniRef90_G5IGW0
UniRef90_R5TGM0
UniRef90_G4D5V3
UniRef90_UPI0003677C43
UniRef90_UPI00047AB620
UniRef90_D3FT65
UniRef90_R6S030
UniRef90_S8GNT6
UniRef90_K6WL92
UniRef90_B5JS12
UniRef90_C4Z0E1
UniRef90_E6U3I7
UniRef90_UPI00041DA22F
UniRef90_W8YR15
UniRef90_UPI00028845EE
UniRef90_A0A059E9F8
UniRef90_C6WEV3
UniRef90_R6RZ14
UniRef90_B8EIS7
UniRef90_V7HWI2
UniRef90_R5GN63
UniRef90_UPI00037799F0
UniRef90_S3L3F8
UniRef90_UPI00035FDEA7
UniRef90_K0DBN2
UniRef90_UPI0003734FD2
UniRef90_R5NE22
UniRef90_D3HLF9
UniRef90_Q0AKL8
UniRef90_UPI00036BFE38
UniRef90_V2ZCF1
UniRef90_Q38XR1
UniRef90_R5MUT2
UniRef90_U1VWR1
UniRef90_U2UQA9
UniRef90_A0L4Y5
UniRef90_R7AJP8
UniRef90_R5HSU0
UniRef90_Q0BRP4
UniRef90_C7JBV2

1 10 20 30 40

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

		50	60	70
UniRef90_B1ZX65	G S R R K R I	A D G S G T K L V E V	N Q Q L L K Q F S E M Q K M M R M F K	
UniRef90_UPI0003791FED	G S R R R R R I	A G S G T S P Q Q V N	N Q L L K Q F S E M Q K M M R M F K	S V S Q
UniRef90_UPI000370DAC3	A S R R K R R I	A A G S G T S V V Q E V	N N R L L K T F D D E M K A M M K T L L Q	
UniRef90_F7YY61	A S R R K R I	A A G S G T T V Q Q D V	N N K L L K S Y E E M K E L M K R F K	
UniRef90_G8LTC2	G S R R K R I	A A G S G T K V V Q D V	N N K L L K S F E E E M K K M M K L M K	
UniRef90_UPI00037BB471	S S R R K N R I	A R G S G T S V V Q E V	N N R L L K Q F S E M Q K M M R M F K	
UniRef90_F0P088	N S R R K N R I	A K G S G T S V V Q E V	N N Q L L K Q F S E M Q K M M R M F K	
UniRef90_UPI0003B3D1D6	G S R R A R I	A R G S G V Q T V S D V	N N Q L L E R F A D A Q K M M R Q L K	
UniRef90_X8IUX1	A S R R K R I	A A G S G T S V V Q S I	N N Q L L K Q F D D E M K A M M K Q F	
UniRef90_R5AI54	G P R R K R I	A A G C G R S T I A D V	N R L L K Q F E E M K K M M K Q M	
UniRef90_UPI00042A76BE	G S R R A R I	A K G S G T E V S S Q V	N N L V D R F F D A R K M M S S L Q	
UniRef90_R6QE81	G S R R V R I	A K G S G T S V V Q E I	N K F M K S Y E E M T Q K M M K Q M Q	
UniRef90_R5XTG3	A S R R K R I	A A G A G V E V H E V	N K L L R Q F E E M S T M M K R M	
UniRef90_I8T2C0	A S R R K R I	A A G S G T V E V Q E V	N K L L R Q F D T T R D M M K V S	
UniRef90_A4J670	G S R R K R I	A R G S G T R V V Q E V	N N Q L L K Q F E E Q T R K M M K Q I S	
UniRef90_B0U2A5	G S R R V R I	A K G S G L Q P S D V	N N K L M K Q Y Q Q M E K M M S K L S	
UniRef90_E0RSL0	P S R R K R I	A R G S G T S V Y E V	N R L L K N F E K T R L M M K K M	
UniRef90_UPI00047D59AB	G S R R K R I	A A G S G T T I Q E V	N R L L K Q F E D T R K V M K M M S	
UniRef90_B0T561	A S R R K R I	A A G A G V D V A E V	N R L L K Q H R Q M A D M F K A M S	
UniRef90_E4NHIO	G S R R L R I	A K G S G V D V G E V	S G L V E R F F E A R K M M S A M	
UniRef90_H6NQ86	P S R R K R I	A A G S G N S V Q D V	N R F L K Q F D D M R K M M K Q F S	
UniRef90_V6F5K0	A S R R K R I	A A G S G V S V Q D V	N K L L K Q Y F E Q M A D V M K K V	
UniRef90_UPI00047B8B96	G S R R A R I	A R G S G R E V S E I	N Q L V E R F F M A R D M M S Q	
UniRef90_D0R3G1	P S R R R R I	A A G S G R S T I A E V	N R M I K Q F K Q S K E M M K Q M	
UniRef90_UPI00037992E3	H S R R K R I	A A G S G S T L T D V	N R L L K Q F D D M R R M M K Q F S	
UniRef90_W9EKK4	P S R R R R I	A R G S A Q P I Q T V	N R L L K Q F N E M K K M M N Q V S	
UniRef90_UPI00047CE935	G S R R K R I	A K G S G N Q S V E H	N R L L K Q F K E T K M M K K F S	
UniRef90_Q89X41	A S R R K R I	A A G S G Q S V E H	N K L L K M H R N M A D V M K A M	
UniRef90_E4KZ48	S S R R K R I	A K G S G T S P A D V	N K L I K Q F K D M R K M M K Q F	
UniRef90_J5GGG8	P S R R K N R I	A K G S G V N I A D V	N R L V K Q F E E M K K M M K Q F	
UniRef90_UPI00047B62E4	Y S R R K R I	A A G S G T V A D V	N R L L K Q F E E M K K M M K Q F S	
UniRef90_I2F262	G S R R K R I	A R G S G T T I Q D V	N K L L K S Y D Q M R S M M K Q F	
UniRef90_H6L033	P S R R K R I	A K G S G N R V E E I	N Q F L K Q Y F E Q M R K M M F Q M S	
UniRef90_R5MHC6	S S R R K R I	A A G C G M R V E D V	N K L L K Q Y R D M M Q K L F K Q F	
UniRef90_B1I2P8	G S R R R R I	A R G S G T N V Q D V	N R L L K Q F D Q T R K L F K Q F S	
UniRef90_UPI00036CA9EB	S G R R K R I	A T G S G T S I S E V	N R L L K Q F E E M K K M M K Q M S	
UniRef90_R9K6P8	P S R R K R I	A K G A G V D I S E V	N R L V K Q F E E Q S K K M M K Q M	
UniRef90_C6WYB1	A T R R K R I	A D G S G V Q V Q E V	N R L L K Q F E E T Q K M M K M F S	
UniRef90_UPI000411329D	G S R R N R I	A K G S G T S I Q Q V	N N L M K Q F N D M R K M M K N M	
UniRef90_G8NRI3	G S R R K R I	A M G A G V Q V S E V	N N L L K Q H A Q M S K M F K T M	
UniRef90_E0E4A4	A S R R K R I	A R G S G T S V Q D V	N R L I K Q F N E M K K M M K M F Q	
UniRef90_S2Z0A3	A S R R K R I	A N G S G T V Q D V	N Q L V E R F N E A K M M G K M S	
UniRef90_K2BE52	G S H K R R I	S D G S G T S V Q A I	N Q L L K Q F L V M Q K M M Q K M S	
UniRef90_D2RIG7	G S R R K R I	A A G C G Q R V Q D V	N R L L K Q F E E S K K L M K T M Q Q	
UniRef90_UPI0003B39FA0	A S R R K R I	A Q G A G L E V Q E V	N K L M R Q F D Q T K E M M K K L Q	
UniRef90_Q0AWV3	G S R R K R I	A R G S G T K V Q E V	N R L L K Q F E E S R K L M K Q F	
UniRef90_R7I6F3	A S R R K R I	A A G S G T T V Q D V	N Q L I R Q F D Q A K Q M M K Q V	
UniRef90_R7BK29	P S R R K Y R I	A K G A G V D I S E V	N R L V K Q F E E M K K M M K Q M	
UniRef90_I0JYK2	G K R K L R I	A K G S G T T V P E I	N E F L R R F D S V R K L I K F S	
UniRef90_B4D1X7	A R R R Q R I	A R G S G V S V T E V	N D L L Q R F G Q M R K M M K G F	
UniRef90_R7HEI0	P S R R K N R I	A K G A G V D I S E V	N R L V K Q F D Q M R K M M K Q M	
UniRef90_UPI00037FF11A	G S R R A R I	A K G S G V S V G E V	S S L V T R F Y D A Q K M V K Q M	
UniRef90_G5IGW0	P S R R K Q R I	A R G A G V D I S E V	N R I V K Q F D Q M K K M M K Q L	
UniRef90_R5TGM0	P S R R K R I	A A G A G V D I S E V	N R L V K Q F E E Q A R K M M K Q M	
UniRef90_G4D5V3	S S R R K R I	A A G S G T D A V E V	N R L L K Q F K E Q K M M K Q F	
UniRef90_UPI0003677C43	G S R R K R I	A S G S G T D I A L V	N K L L K Q H K M M T G M M K R M S	
UniRef90_UPI00047AB620	A S R R R R I	A K G S G T T I Q D V	N R L L K Q F E E M K K M M K Q M	
UniRef90_D3FT65	A S R R R R I	A K G S G T T I Q D V	N R L L K Q F E E M K K M M K Q M	
UniRef90_R6S030	P S R R H R I	A K G A G V D I S E V	N R M I K Q F N E A K K M M K T F	
UniRef90_S8GNT6	G S R R M R I	A K G S G T N I S E V	N R L L K Q F D Q T R K M M K	
UniRef90_K6WL92	G S R R A R I	A R G S G V T V S E V	N Q L L E R F G Q A Q K M M R Q L R	
UniRef90_B5JS12	G S R R K R I	A A G S G T Q V Q D V	N R L L K Q H Q Q M K K M M K K F S	
UniRef90_C4Z0E1	P S R R K N R I	A R G A G V D I A D V	N R L V K Q F E E M K K M M K Q M	
UniRef90_E6U3I7	A S R R K R I	A S G S G T K V E D V	N R L L R N F E Q T R K M M K Q M	
UniRef90_UPI00041DA22F	A S R R R R V	A L G S G L T V R E V	N Q V L N Q F E E Q V Q Q L M K R F	
UniRef90_W8YR15	H S R R K R I	A A G S G T S V A E V	N R L L K Q F D D M R K M M K Q F S	
UniRef90_UPI00028845EE	A S R R K R I	A L G S G T S I A D V	N R L L K Q F K D M K K M M K Q F	
UniRef90_A0A059E9F8	A S R R K R I	A A G A G V T V Q E V	N K V L K M H Q Q M A G M M K K M R	
UniRef90_C6WEV3	A S R R L R I	A N G S G V R V S D V	N D L V T R F F D A R K M M S Q M	
UniRef90_R6RZ14	P S R R K N R I	A K G A G V D I A E V	N R L V K Q Q E O M K K M M K Q L	
UniRef90_B8EIS7	A S R R K R I	A A G S G M K V E D V	N K L L K Q H R Q M A D L M K S M	
UniRef90_V7HWI2	P S R R R R I	A A G S G R P I Q E V	N R M I K Q F F K M Q D M M K Q M S	
UniRef90_R5GN63	A K R R R R I	A A G S G T R V E D V	N Q L L R Q F E E Q M Q K M M K Q L	
UniRef90_UPI00037799F0	G S R R K R I	A R G S G L Q V Q D V	N R L L K Q H K Q M Q K M M R Q	
UniRef90_S3L3F8	P S R R K R I	A R G S G T S V A E V	N R L L K Q F E K T R L M M K K M	
UniRef90_UPI00035FDEA7	G S R R K R I	A A G S G T R V Q D V	N K L L K Q F V E A R K M M K R F K	
UniRef90_K0DBN2	P S R R R R L	A A G A G R P I V E V	N R M I K Q F E E Q M R K M M N Q	
UniRef90_UPI0003734FD2	G S R R K R I	A N G S G T N V P E I	N R M L K Q F F A Q M Q K M M K R M K	
UniRef90_R5NE22	A S R R L R I	A N G S G T Q V Q D I	N K F I K S F E L T Q S M M K K V K	
UniRef90_D3HLF9	G S R R K R I	A Q G S G T Q I Q D V	N K L L K Q F E E Q M Q K M M K K F	
UniRef90_Q0AKL8	A S R R K R I	A A G S G V Q V A D V	N K L I K M H R Q M A D M M K K	
UniRef90_UPI00036BFE38	G S R R R R I	A D G S G T S V Q E V	N A L L K D F E K M R A D M M K D M	
UniRef90_V2ZCF1	P S R R H R I	A K G S G V D V A E V	N K L V K Q M E Q M K K V M K Q	
UniRef90_Q38XR1	P S R R R R L	A A G A G R P I V E V	N R M I K Q F N Q S K K M M N Q M S	
UniRef90_R5MUT2	A S R R R R I	A L G C G R S V F E V	N R L L K Q F E T M Q K M M K Q M	
UniRef90_U1VWR1	S S R R K R I	A K G S G T S V Q E V	N R L I K Q F E D M R K M M K Q F	
UniRef90_U2UQA9	P S R R K R I	A K G A G V D I S E V	N R L V K Q F E E M Q K M M K Q L	
UniRef90_A0L4Y5	A S R R K R I	A A G S G T S V Q E V	N K L L K Q F V Q T Q T	
UniRef90_R7AJP8	P S R R K N R I	A R G A G V D I S E V	N R V V K Q F E Q M K K M M K Q M	
UniRef90_R5HSU0	A S R R L R I	A K G S G R S V E E V	N R L L K Q F E E M K T L M K Q F K	
UniRef90_Q0BRP4	A S R R K R I	A A G A G V Q V Q D V	N R L L K Q F D D M S Q M M K Q F S	
UniRef90_C7JBV2	A S R R K R I	A A G S G S T V Q D V	N K L L K Q F D M M S M M K R F	

UniRef90_G2KNI6
UniRef90_E8U6Z1
UniRef90_UPI00036E57E4
UniRef90_UPI00029B1D3C
UniRef90_Q1NLQ4
UniRef90_D4M959
UniRef90_E3GP77
UniRef90_UPI000375E4CE
UniRef90_D3F1D7
UniRef90_W9GHQ3
UniRef90_UPI0003623E94
UniRef90_R6GZM9
UniRef90_X0TC57
UniRef90_A7HT05
UniRef90_R6QG16
UniRef90_U2G8V3
UniRef90_Q6AJF2
UniRef90_UPI0003F688C5
UniRef90_R6TYG5
UniRef90_C7ND04
UniRef90_E6SF16
UniRef90_U1WN39
UniRef90_R5E4M8
UniRef90_UPI00037D664F
UniRef90_D8JFD1
UniRef90_D0KXR8
UniRef90_E3B949
UniRef90_M1ZGB7
UniRef90_F6CR40
UniRef90_E3J003
UniRef90_D9SDA1
UniRef90_A2SKT4
UniRef90_U1KM99
UniRef90_Q3ASF4
UniRef90_M1Z4A1
UniRef90_I6XQK4
UniRef90_D7BIH0
UniRef90_Q11RG0
UniRef90_UPI00047C3352
UniRef90_I4AGQ6
UniRef90_K4KXY2
UniRef90_N1ZMB7
UniRef90_R7IQG9
UniRef90_J3Z4M4
UniRef90_D4YP65
UniRef90_J3TG10
UniRef90_UPI0003A5D3ED
UniRef90_E2SD36
UniRef90_A5G7Z9
UniRef90_Q9RTC9
UniRef90_K7YPU3
UniRef90_Q2NVK5
UniRef90_A6NV52
UniRef90_G2HYS8
UniRef90_D1AVX3
UniRef90_E1QVK3
UniRef90_V9TUU5
UniRef90_R5EMY4
UniRef90_R6N3E8
UniRef90_D2PZ14
UniRef90_B0JYF2
UniRef90_D1B3J5
UniRef90_K2C9D9
UniRef90_B1LVU4
UniRef90_D4L6R0
UniRef90_R6WTE4
UniRef90_D4JR19
UniRef90_UPI0003777D1C
UniRef90_I0GIW0
UniRef90_R7R836
UniRef90_UPI0002D29BFF
UniRef90_Q1Q248
UniRef90_R4YZG0
UniRef90_G9WIG9
UniRef90_C3XL84
UniRef90_J9A4F8
UniRef90_D0BJQ0
UniRef90_D5VD49
UniRef90_UPI00036E57E4
UniRef90_R6QRB0
UniRef90_UPI00036E57E4
UniRef90_E2ZDT2
UniRef90_B9EBB7
UniRef90_UPI0003698E71
UniRef90_J9YZG9
UniRef90_R6I3J5
UniRef90_B6YRM0
UniRef90_R7NSA3
UniRef90_Q2G8H5
UniRef90_R6NNQ7
UniRef90_H3NNG5
UniRef90_R7BTN1

		50	60	70
UniRef90_G2KNI6	A S R K R R R I	A T G S G S G T T V	Q D D I N N R L L L	H K Q Q Q M Q T V M K R
UniRef90_E8U6Z1	G K R R K K R I	A T G S G S G T T V	Q D D I N N R L L L	K M H E Q M K D M M K M L Q
UniRef90_UPI00036E57E4	A S R R K K R I	A A G S G S G S G T	V E E V N N R L L L	K M H E Q M K D M M K M A M
UniRef90_UPI00029B1D3C	A Q S R R R L R I	A K G S G S G S G T	V E E V N N R L L L	K M H E Q M K D M M K M A M
UniRef90_Q1NLQ4	A S R R R S R I	A K G S G S G T S Q	V Q D V N N K V L L	K S Y E T E M L K M M K K F R S
UniRef90_D4M959	G S R R R R R I	A L G S G S G T S V	S D M V N N Q L L L	A Q Y E E Q T R K L F K T F S
UniRef90_E3GP77	G S R R R K R I	A L G S G S G T T V	S D V N N R M L L L	K G F E E Q T K M M K M Q M
UniRef90_UPI000375E4CE	A S R R K K R I	A S G S G S G T V D	V A E V N N K L L L	K M H R Q M A D V M K M M
UniRef90_D3F1D7	G S R R R L R I	A R G S G S G T N V	S A V V N K A L L L	R R F G G Q A Q R L M K S M Q
UniRef90_W9GHQ3	A S R R R A R I	A K G S G S G T V S	D V S E I N S L L L	V E R F T T Q A Q K M M K Q M R S
UniRef90_UPI0003623E94	G S R R S R R I	A R G S G S G R A V	S S E I N S L L L L	V E R F T T Q A Q K M M K Q M R S
UniRef90_R6GZM9	A S R R K Q R I	A Q G A G S G T V P	Q D V I N S L L L L	S Q F F E T M R K L V R Q F S
UniRef90_X0TC57	A S R R K R R I	A R G S G S G T T V	Q E I N N R L L L L	S G F F R Q M Q R M M K Q L
UniRef90_A7HT05	A S R R K K R I	A R G S G S G T E V	Q E I N N R L L L L	K M H R Q M A D M M K A M
UniRef90_R6QG16	P S R R K K R I	A D G A G S G V P I	S E V N N K L L L L	C K F F Q N Q A K K M M K Q M S
UniRef90_U2G8V3	A S R R R K R I	A A G S G S G V E V	S E V N N Q L L L L	V K E R F F E A K K M M S K M
UniRef90_Q6AJF2	T S R R R Q R I	A D G S G S G T S I	V T D V N N R L L L	K S Y S E M L K M M K K M R
UniRef90_UPI0003F688C5	A T R R K K R I	A A G A G S G T V F	E D V N N R L L L L	N E F D D Q M R T M M K K M K
UniRef90_R6TYG5	V P R R K K R I	A A G S G S G T K V	E D V N N R L L L L	K N E F D D Q M T C K M M K E L S
UniRef90_C7ND04	G S R R K M R I	A K G S G S G V Q V	N D V N N K L L L L	K Q F E Q M K Q M M K M F
UniRef90_E6SF16	G S R R R A R I	A K G S G S G S V T	D V S E I N Q L L L L L	R F R D A Q K M M K S L
UniRef90_U1WN39	G Q R R R R R I	A A G S G S G R S V	Q E V N N Q L L L L	K Q W G E M N K M M G K M R
UniRef90_R5E4M8	A S R R K R R I	A A G A G S G T T V	Q E I V N R L L L L	K Q F E Q S R
UniRef90_UPI00037D664F	A K R R K R R I	A A G S G S G T R V	E D I N N K L L L L	K H R Q M A D M M K A M
UniRef90_D8JFD1	P S R R K K R I	A A G C G S G M D V	A E V N N K L L L L	K Q Q A K K M M K K F
UniRef90_D0KXR8	G S R R K R R I	A L G S G S G M Q V	H D V N N R L L L L	K Q H R D M S D M M K K F S
UniRef90_E3B949	G S R R R A R I	A R G S G S G V S V	S E V N N Q L L L L	K Q R F G E A Q K M M K Q L K
UniRef90_M1ZGB7	S K R R K R R I	A N G S G S G T T V	S Q D V N N K L L L L L	K Q F R D T K K M M K R F
UniRef90_F6CR40	G S R R R R R I	A R G S G S G T T V	Q K V N S V L L L L	K Q F E Q T R K M M R Q L
UniRef90_E3J003	K T R R K E R V	A R G S G S G V T V	T E V N N Q L L L L	D R F A E A R K M M R Q M
UniRef90_D9SDA1	A Q R R K K R I	A D G A G S G V K V	M H V N N Q L L L L	N Q F E E Q T Q K M M K M F S
UniRef90_A2SKT4	A S R R K R R I	A A G A G S G V Q V	Q E V N N R L L L L	N Q F E Q M Q
UniRef90_U1KM99	G S R R K K R I	A A G S G S G T Q V	Q D V N N K L L L L	K Q F T Q M Q
UniRef90_Q3ASF4	G S R R R Q R I	A R G S G R K V	Q E V N N L L L L L	K Q F G E M K K M M K A V S
UniRef90_M1Z4A1	Y S R R K R R I	A Q G S G S G T S L	T E V N N R L L L L	K Q F E E T K K M M K Q L S
UniRef90_I6XQK4	G S R R R A R I	A K G A G S G V S V	S D V N N L L V N R	F V E A R K M M E Q M
UniRef90_D7BIH0	A S R R R K R I	A A G S G S G T S V	Q E V N N R L L L L	K T F E E T K S M M K S L
UniRef90_Q11RG0	G N R R R N R I	A K G S G S G T S I	Q D V N N L L L L L	K Q F E D M R K M M K S M
UniRef90_UPI00047C3352	A S R R K R R I	A K G S G S G T R V	S D V N N R L L L L	K Q F E M N K L M K G M
UniRef90_I4AGQ6	A G S R R R R L	A A G S G R T I	Q E V N N L L L L L	K Q F G E M R K M M R K M
UniRef90_K4KXY2	D S R R K K R I	A K G S G S G T T V	V D V G R L L L L L	K Q Y E E Q T K K M M K Q L S
UniRef90_N1ZMB7	G P R R K K R I	A N G G G S G R S I	A D V N N R L L V L	K Q F E E L K L M K Q M S
UniRef90_R7IQG9	P S R R K S R I	A K G A G S G V D I	A E V N N R L L V L	K Q F E E S R K L M K Q M S
UniRef90_J3Z4M4	A S R R K R R I	A G S G S G M Q V	Q D V N N R L L L L	T Q F N D M Q R M I N K L K
UniRef90_D4YP65	G S R R R A R I	A R G S G S G S V T	T I N Q L L M D R	F F A Q A Q K M M K Q F
UniRef90_J3TG10	G S R R K R R I	A G S G S G M Q V	Q D I N N R L L L L	K H F N E M Q K I M K R I
UniRef90_UPI0003A5D3ED	A S R R K K R I	A A G S G S G T S V	P E V N N R L L L L	K Q F D E M S T M M K R I S
UniRef90_E2SD36	G S R R R A R I	S K G S G S G T E V	K D V N N Q L L M V	D R F F E A S K M M Q Q M
UniRef90_A5G7Z9	G S R R R L R I	A K G S G S G T S V	E Q D V N N Q L L L	K R F F E A Q K V V K Q L Q
UniRef90_Q9RTC9	G S R R K R R I	A Q G S G S S V	Q D I N N K L L L L	K M H E Q M K E M M K M L
UniRef90_K7YPU3	V S R R K R R I	A R G S G N D M	Q D I N N R L L L L	K S Y T E M A K I M K K F
UniRef90_Q2NVK5	G S R R K R R I	A A G S G M Q V	Q D V N N R L L L L	K Q F D D M Q R
UniRef90_A6NV52	N S R R K K R I	A A G S G S G T Q V	V D V N N R L L L L	K Q F E M M Q Q V T K Q M
UniRef90_G2HYS8	P S R R K R R I	A L G S G S V S	E V Q I N K L L L L	K Q F K N A S K M A K Q L S
UniRef90_D1AVX3	S S R R K L R I	A K G S G S G T T V	T Q V N N K L L L L	K Q F E E Q M K Q M M K M F
UniRef90_E1QVK3	G Q R R K R R I	A R G S G R S V	T Q E V N N Q L L L	R Q W G E M N K M M G K M R
UniRef90_V9TUU5	V S R R K R R I	A Q G S G T D V	G D I N N R L L L L	K S Y T E M A K I M K K F
UniRef90_R5EMY4	A S R R K K R I	A A G A G S G L K V	E D V N N R L L L L	K S F E Q M R K L K Q F S
UniRef90_R6N3E8	A S R R K V R I	S K G S G S G T R V	Q D V N N Q L L L L	K Q F E Q M K M M K Q L S
UniRef90_D2PZ14	G S R R R A R I	A K G S G T E V	A T E V S T G L V I	E R F F E A R K M M S A M
UniRef90_B0JYF2	P N R R R R R I	A K G S G H P E	T E V T K L I	R N F T R M R S M M Q Q M
UniRef90_D1B3J5	N S R R K R R I	A E G S G L S Q	V E V N R F L	K Q F G N A A K M A K K F S
UniRef90_K2C9D9	A S R R R R R I	A A G A G S G T E V	Q E V N N R L L L L	K Q F R D A Q R M M K T L Q
UniRef90_B1LVU4	N S R R K K R I	A A G S G V D V	S E I N N R L L L L	K M H R T M A D M M K A M
UniRef90_D4L6R0	P S R R K R R I	A A G S G R S I	E E V N N R L L L L	K Q F D Q M Q K M M R Q M
UniRef90_R6WTE4	A K R R E R I	A K G S G T T M	A D V N N R L L M L	K Q F E D T Q K M M K
UniRef90_D4JR19	A K R R K R R I	A A G S G T K V	E D V N N Q L L L L	K Q F E D G M R K M M K Q M
UniRef90_UPI000377D1C	H S R R K R R I	A A G S G T S V	A E V N N R L L L L	K Q F D E M R R M M K Q F S
UniRef90_I0GIW0	A S R R K E R I	A R G T H V S	K A E V N N Q L L L	K N F E N F K L S K N L K
UniRef90_R7R836	P S R K H R I	A K G A G S G V D I	A V V N R F I	K Q F E Q S K M M K Q L
UniRef90_UPI0002D29BFF	G S R R K R R I	A A G S G T S V	Q R V N N Q L L L L	K Q Y D D M K M M K K F S
UniRef90_Q1Q248	G S R R R Q R V	A K G S G T T V	S D V N N Q L L L L	K Q F K S M K L M K H F K
UniRef90_R4YZG0	G S R R A R I	A K G S G T S P	G E V N N Q L L L L	D Q F G E M R K M M Q S M
UniRef90_G9WIG9	P A R R R R I	A A G S G R P V	T D V N N K M I	K Q F K Q M R Q M M Y K F
UniRef90_C3XL84	G S R R K R R I	A M G A G S G L D V	S D V N N R F L L L	K Q F E N A A K M A K K F S
UniRef90_J9A4F8	A S R R K K R V	A A G S G T V	Q D V N N K L V L L	K M H R Q M A D M M K K M
UniRef90_D0BJQ0	Q A R R K R R I	A A G S A R P L	A E V N N R L L L L	K Q F N E S K K M M N Q M S
UniRef90_D5VD49	P S R R K R R I	A A G S G R Q I	Q D V N N R L L L L	K H K Q M A K M M K M I S
UniRef90_UPI00036EFB77	G S R R R R R I	A K G S G T T V	R E I N N Q L L M T	Q F D Q
UniRef90_R6QRB0	P S R R K R R I	A K G A G S G V D I	S E V N N R L L V L	K Q F E Q S K K M M K Q L
UniRef90_UPI00036BECAF	A S R R K R R I	A A G A G S G V Q E	V N N R L L L L L L	K Q F F E
UniRef90_E2ZDT2	D S R R K R R I	A Q G S G T R V	Q D V N N R L L L L	K Q F F E F Q K M M K Q
UniRef90_B9EBB7	V S R R K K R I	A K G S G R S L	S E V N N K L L L L	K Q F E E M K K M M K Q F
UniRef90_UPI0003698E71	G S R R K R R I	A L G S G S G T S I	L E V N N R L L L L	K Q F G E M R K M M R K M K
UniRef90_J9YZG9	A S R R K R R I	A S G S G R Q V	H E V N N R L L L L	K Q F E E Q T K M M K Q
UniRef90_R6I3J5	A S R R K K R I	A A G A G S G V E V	H E V N N K L L L L	K S Y E Q M S T M M K R M
UniRef90_B6YRM0	S S R K S R I	A K G S G K K I	S E V N N R L L L L	K Q F E E Q R K M M K T M
UniRef90_R7NSA3	A S R R K K R I	A A G S G R K V	E E V N N R L L L L	K Q L E Q M K M M K Q F
UniRef90_Q2G8H5	A K R R K L R V	A K G S G T Q V	Q D V N N K L L L L	K M H R Q M A K A M K Q L K
UniRef90_R6NNQ7	P S R R K H R I	A K G A G S G V D I	S E V N N R L L V L	K Q F E E A K K M M K Q M
UniRef90_H3NNG5	N S R R K R R I	A N G S G T N I	S E V N N K L L L L	K Q F E E A T K M M K M M
UniRef90_R7BTN1	A S Q K K R I	S K G S G T S I	Q E V N N Q L L L L	K Q F E M T K D M M A R M Q

UniRef90_R6XD03
UniRef90_R7GH47
UniRef90_I7KMP8
UniRef90_Q04GK8
UniRef90_A5VKN8
UniRef90_V5SAI9
UniRef90_UPI0003B3B4F2
UniRef90_J0KXD7
UniRef90_R6CDL3
UniRef90_UPI0003B524B3
UniRef90_UPI0003F87C22
UniRef90_UPI0003B6A07E
UniRef90_M4RWF7
UniRef90_A7HKR7
UniRef90_D5EDQ5
UniRef90_Q4JUJZ
UniRef90_A8ZV24
UniRef90_Q3SGC4
UniRef90_G8R3A6
UniRef90_F3YU11
UniRef90_R6RD27
UniRef90_E6MEN7
UniRef90_D5X595
UniRef90_B8FNP7
UniRef90_A9KLM6
UniRef90_S7V465
UniRef90_UPI0002F283CD
UniRef90_N6W2E5
UniRef90_G2FB83
UniRef90_V7I723
UniRef90_R5RCN8
UniRef90_H0UK29
UniRef90_D4YK6
UniRef90_F7V5M0
UniRef90_C7HUV5
UniRef90_C0QKU5
UniRef90_R6PBB5
UniRef90_N6X2K0
UniRef90_T0L741
UniRef90_V5AID2
UniRef90_E1NNT0
UniRef90_E8R155
UniRef90_UPI0002FA271C
UniRef90_I0C3T1
UniRef90_E6X1W2
UniRef90_U3AYQ9
UniRef90_K4KVC8
UniRef90_F7QH06
UniRef90_E1YJ40
UniRef90_UPI00036B6D67
UniRef90_S0FV12
UniRef90_UPI0003B3A443
UniRef90_R5CW66
UniRef90_R5H8P4
UniRef90_H3NWS6
UniRef90_A0A023DYL3
UniRef90_C5WDI7
UniRef90_UPI0003FBF74D
UniRef90_R5LER5
UniRef90_F6GJW7
UniRef90_R7HDZ8
UniRef90_D2ANB1
UniRef90_Q2LVU8
UniRef90_L0APR1
UniRef90_K8GDT4
UniRef90_R6TNX0
UniRef90_F8AG85
UniRef90_B6EGB8
UniRef90_L8LMB0
UniRef90_B7IEQ9
UniRef90_UPI00036208DB
UniRef90_UPI00037A7B2F
UniRef90_V2ZF11
UniRef90_F0K601
UniRef90_UPI00037464ED
UniRef90_R5C5Q6
UniRef90_C5RAC5
UniRef90_D3LSL7
UniRef90_R6DAU5
UniRef90_D5X8M0
UniRef90_G4L6D4
UniRef90_R6D485
UniRef90_B7GGE4
UniRef90_S3DHE7
UniRef90_U2VGS3
UniRef90_M2TPH4
UniRef90_UPI00036795A4
UniRef90_C0W176
UniRef90_UPI0003B56AA7
UniRef90_V8CJK6
UniRef90_UPI0003B6620C
UniRef90_X0S5K2

		50	60	70
UniRef90_R6XD03	G S R R R	A K G S G T T V V Q E I	N K F M K S F E M T Q	K M M K K M Q
UniRef90_R7GH47	A S R R R Q R	A K G S G T T S V Q Q D I	N K F M K S F E M T Q	K M M K Q M Q
UniRef90_I7KMP8	V A S R R K R	A K G S G R S V V Q Q D I	N R R L M K Q Q F T	D M M K Q M Q
UniRef90_Q04GK8	P A R R R R R	A A G S G R P V V V D V	N R R L T K Q Q F T	D M M K Q M Q
UniRef90_A5VKN8	P S R R R R R	A A G A G R P V V V E V	N R M I K Q Q F N	Q M R K M M K Q V
UniRef90_V5SA19	A K R R R R R	A A G S G T R V E S E V	N K L V K M F H R	Q M A D M M R A M
UniRef90_UPI0003B3B4F2	A K R R R R R	A K G S G V H V S E V	N Q L L E R F A Q	
UniRef90_J0KXD7	P S R R R R R	A A G S G R P I H E V	N R M I K Q Q F N	E M K K M M G K V S
UniRef90_R6CDL3	P Q R R R R R	A A G S G T Q V S D V	N Q L L K Q Q F D	D M M K Q M M K Q F
UniRef90_UPI0003B524B3	A S R R R R R	A A G S A R P L S M E V	N R M I K Q Q F N	D M M K Q M M N Q M
UniRef90_UPI0003F87C22	A S R R R R R	S R G S G R S L Q E I	N R L L K Q Q F N	D M M K Q M M K Q M
UniRef90_UPI0003B6A07E	A S R R R R R	A S G S G T S V Q E V	N K L L K Q Q F A	D A Q K M M M K R
UniRef90_M4RWF7	A K R R R R R	A K G S G T T V Q E V	N K L L K M H Q E	M S T A M K K R
UniRef90_A7HKR7	A S R R R R R	A A G S G T T V Q Q D I	N K L L K S Y E E	
UniRef90_D5EDQ5	G S R R R R R	A E G S G T T V Q S M V	N Q L L K Q Y D Q	M K Q L W K Y M
UniRef90_Q4JUJZ8	A S R R R R R	A N G S G V S D S D V	N K L V D R F F E	A K M M G K Y M
UniRef90_A8ZV24	G S R R R R R	A K G S G T S V Q E V	N R L L K D Y T Q	V M K M V K K I
UniRef90_Q3SGC4	A S R R R R R	A A G A G V Q E V	N K L L N Q F G	Q A A Q
UniRef90_G8R3A6	G S R R R R R	A K G S G K T I Q D V	N Q L L K Q F A	D M S
UniRef90_F3YU11	V S R R R R R	A A G S G T S L E Q V	N Q L V K N F D	Q M R K M M Q Q V
UniRef90_R6RD27	N S R R R R R	A S G S G T T S A D I	N R L L N Q F E	E M M K M M M K Q M
UniRef90_E6MEN7	G S R R R R R	A N G S G T S V A D V	N R L L K G F D	D Q S R K M M K Q
UniRef90_D5X595	A T R R R R R	A A G A G V Q V Q E V	N R L L K Q Y E Q	M R D
UniRef90_B8FNP7	G S R R R R R	A K G S G A T V T D V	N Q L L K N Y T Q	V M K M M K K I
UniRef90_A9KLM6	P S R R R R R	A D G A G V D I S E V	N R V V K Q F G	E T R K M M K Q F S
UniRef90_S7V465	G S R R R R R	A R G S G T Q V S D V	N R L L K N Y T Q	V M K M K K K I
UniRef90_UPI0002F283CD	A S R R R R R	A R G S G R T L Q E V	N R L L K Q F N	E M M K K M M K Q M
UniRef90_N6W2E5	N S R R R R R	A A G S G T Q I Q D V	N R L L K Q H K	Q M S
UniRef90_G2FB83	G S R R R R R	A N G S G T Q V Q D V	N R L L K Q F T	Q M M K
UniRef90_V71723	P S R R R R R	A K G S G T T V Q D V	N K L L K G F E	N M M K M M K Q M
UniRef90_5R5RCN8	L S R R R R R	A K G C G K D V A A V	N R L L K Q F E	E S K K M M K M L
UniRef90_H0UK29	A S R R R R R	A L G S G T S V Q M V	N Q L M K Q F D	Q M N Q V W K Q F
UniRef90_D4YK6	A K G S A T T L E V	N R L T K Q F N	E S R K L M S A M S	
UniRef90_F7V5M0	P G R R R R R	A A G A G V D I A E V	N R L V K Q F D	Q A R K M M K T M
UniRef90_C7HUUV5	K S R R R R R	A K G S G V D M N E L	N K L L K Q F K	E L K M M K Q F
UniRef90_C0QKU5	G S R R R R R	A K G S G S T V Q D V	N K L L K S Y T Q	T M K M V K K F
UniRef90_R6PBB5	P S R R R R R	A K G A G V D V S E V	N R M V K Q F E	Q A K M M K Q M
UniRef90_N6X2K0	G S R R R R R	A R G S G T S V A D V	N G L V K R F E	A A K E M M S Q M
UniRef90_T0L741	G S R R R R R	A S G S G T S I Q D V	N K V L K Q F E	A M M E K M V K N F Q
UniRef90_V5AID2	A T R R R R R	A A G A G V Q V Q D V	N R L L K E F E	Q M M Q
UniRef90_E1NNT0	P S R R R R R	A G G C G L S V V E V	N R M I K Q F K	Q A K D M M Q K V
UniRef90_E8R155	L S R R R R R	A A G A G V T P A D V	S G L V K Q F D	A M A M V K Q M
UniRef90_UPI0002FA271C	A S R R R R R	A A G S G T K V E D V	N K L L K M H R	Q M A
UniRef90_I0C3T1	V S R R R R R	A K G S G R S L Q E V	N R L M K Q F N	D M M K M M K Q F
UniRef90_E6X1W2	N S R R R R R	A A G A G L S V Q M E V	N R V L K Q F K	N A A K M A K K L S
UniRef90_U3AYQ9	A S R R R R R	A A G A G V S V Q E I	N R L L K Q H R	Q M A D A V K A L S
UniRef90_K4KVC8	G S R R R R R	T L G S G T Q V Q D L	N R L L K Q H K	
UniRef90_F7QH06	A S R R R R R	A A G A G L K V E E L	N K L L K M H R	N M A D M M K T M
UniRef90_E1YJ40	G N R R R R R	A K G S G T S V Q Q D I	N R L L K N Y A	Q A M K L M K Q I
UniRef90_UPI00036B6D67	A S R R R R R	A N G S G T T V Q E V	N M L M K Q Y G	M M R K F A K N
UniRef90_S0FV12	A S R R R R R	A F G S G T T V Q D V	N K L L K S Y T	Q S M K M M K K F
UniRef90_UPI0003B3A443	G S R R R R R	S Q G S G T S L Q E V	N N V L K Q F H	A M Q K M M K M S
UniRef90_R5CW66	A S R R R R R	A A G S G T S V V E I	N R L L K Q F N	A M Q G M M K Q L S
UniRef90_R5H8P4	S S R R R R R	A A G C G L Q V D V	N R L L K E F G	M M Q Q M T K Q M
UniRef90_H3NWS6	P S R R R R R	T A G S G T A V P D L	N R L L K Q H	
UniRef90_A0A023DYL3	A S R R R R R	A R G S G T T V Q D V	N Q L L T R F G	E M K K M F G K F S
UniRef90_C5WDI7	S S R R R R R	A T G A G L H V Q D V	N R L L K Q F H	D E K M L S T L K
UniRef90_UPI0003FBF74D	G K R R R R R	A A G C G R P V S E I	N Q L I K Q Y V	E T K M M G Q M
UniRef90_R5LER5	G S R R R R R	A K G S G N K V E D V	N R F I K Q F E	Q M Q K T M K S M
UniRef90_F6GJW7	A S R R R R R	G K G S G T S V Q Q V	N Q L L K Q F D	K G K A M M N A M K
UniRef90_R7HDZ8	A Q R K R R R	A K G C G M K V E D V	N R L I N Q F E	Q M K M M K S M S
UniRef90_D2ANB1	H S R R R R R	T K G S G T T I Q D L	N K L L Q Q H T	Q T K M M K
UniRef90_Q2LVU8	G Q R R R R R	A L G S G T T V Q D V	N R L L K N Y A	D V K M M K R M
UniRef90_L0APR1	G S R R R R R	A N G S G T Q V Q D V	N K L L K Q F D	M Q
UniRef90_K8GDT4	P S R R R R R	A R G S G Y R E A D V	S D L V N K F Q	K M R N M M Q M M
UniRef90_R6TNX0	A S R R R R R	A A G C G L E V V D V	N R L L K Q F E	V Q Q L T K Q L
UniRef90_F8AG85	Y S R R R R R	A R G S G T S V V K D V	K E L L E Q Y K	Q M K R F F K T M
UniRef90_B6EGB8	G S R R R R R	A A G S G T Q V Q D V	N R M L K Q F	
UniRef90_L8LMB0	P G R R R R R	A K G S G T S E K D I	S K L V T D F T	R M R S M M Q Q M S
UniRef90_B7IEQ9	A S R R R R R	A K G S G T S V Q E V	N K L L K N Y E E	
UniRef90_UPI00036208DB	A S R R R R R	A A G S G V T V S E V	N Q L V E R F F E	A K K M M G K M
UniRef90_UPI00037A7B2F	G S R R R R R	A A G S G V T V S D V	S S L V T R F F E	A Q K M M R V
UniRef90_V2ZF11	S S R R R R R	A A G S G T Q V V A V	N R L L K Q F E	M V Q A M T R Q F S
UniRef90_F0K601	A S R R R R R	A L G S G T T V Q E V	N K I L K N F E	Q M K M M K Q F K
UniRef90_UPI00037464ED	Q N R R R R R	A N G A G R P V A E V	H T L I K Q F K	S R E M M S A M
UniRef90_R5C5Q6	V S R R R R R	A R G S G V D I S E V	N R L L K Q F E	Q T K M M K Q M
UniRef90_C5SRAC5	P S R R R R R	A A G A G R P V V E V	N R M V K Q F N	Q M K M M S
UniRef90_D3LSL7	D S R R R R R	A K G S G T R V Q D V	N R L L K Q F T	E T Q K M M K Q A K
UniRef90_R6DAU5	A S R R R R R	A A G C G L E V V D V	N R L L K S F E	M L Q Q M T K A M
UniRef90_D5X8M0	D S R R R R R	A K G S G T K V S D V	N K L L K Q F D	Q T
UniRef90_G4L6D4	P S R R R R R	A A G S G N S V E V	N R M I K Q F K	E S R K M M Q Q M S
UniRef90_R6D485	P A R R R R R	A A G S G T D V P R V	N R V L K Q Y K	Q M K E M M K
UniRef90_B7GGE4	S S R R R R R	A K G S G T T V Q D V	N R L L K Q F D	E
UniRef90_S3DHE7	S S R R R R R	A A G S G T K V Q D V	N Y L L R Y F N	Q T K M M K M R
UniRef90_U2VGS3	G Q R R R R R	A A G S G R S V Q E V	N G L L R Q W G	E M N K M M S R M K
UniRef90_M2TPH4	A K R R R R R	A N G A G T T V Q E V	N K L I K M H K	E M S T A M K K I K
UniRef90_UPI00036795A4	G S R R R R R	A A G A G V E I S D V	T Q L L H Q F D	A M R K I M R K L R
UniRef90_C0W176	G S R R R R R	A A G S G T T V A E V	N A L V K R F E	A A R
UniRef90_UPI0003B56AA7	A S R R R R R	A A G A G V Q V S D V	N K V I S Q Y D	M M Q K M T R A M
UniRef90_V8CJK6	G S R R R R R	A Q G A G L E V A D I	N R I I K Q F D	M A S K M A K K L S
UniRef90_UPI0003B6620C	G S R R R R R	A T G S G V M V S E V	N N L V D R F F	E A R K
UniRef90_X0S5K2	G N R R R R R	A T G S G N S V N E V	N K L L K Q F A	K T K Q M M K N F S

UniRef90_E7A9L7 G S R K K R I A L G A G L D V A E I N R I L K R F E Q M G Q F A K K L S
UniRef90_V1D7P5 A G R R R K R I S A G S G Q P V N K I N N L I K K Y E E S R K M M K K F S
UniRef90_U5D5G6 P G R R R R R I A K G S G T H K D T E V N M K L V N D F N R M R T M M K Q M S
UniRef90_K0YXN8 G S R R R A R I A A G S G T K T D T E V N N Q V M K Q F N E V K X M M K K
UniRef90_V4NI72 A S R R K R R I A A G A G T V E I Q M E I N R R L L K Q H R Q M A D T F K A M S
UniRef90_A0YHP1 P S R R K R R I T A G S G T E I Q D L N R R L M K Q H K K
UniRef90_UPI0004066EB2 G S R R K R R I A K G S G M L E K D V N M K L V S D F Q K M R M M Q Q M S
UniRef90_R5BS35 S S R R I R I A K G S G T S I A E V N K L L K Q F E Q T R K M M K M
UniRef90_UPI0003B4F8FB A K R K I R V A K G S G T T V Q E V N K I L L K M H Q E M A T A M K K I K
UniRef90_M1L670 S S R R K R R I A T G S G V S I Q D I N Q L L S Q F D K A K L M M K I Q
UniRef90_R5YJW9 A G R R K R R I A A G S G T T V Q A V N K L M E S F E M T Q K M M K K M Q
UniRef90_K8ZBH5 P S R R R R R I A R G S G N S E I Q E V N R M I K Q F K Q S R K M M S D M
UniRef90_G7V6W2 G S R R R K R I A Y G S G T S V Q M V N N Q V L S Y H K N M N E I F K Q L K
UniRef90_UPI0004665097 G S R R M R I A T G S G R Q V S E I N S L L V E R F S Q A Q K V M K Q M R
UniRef90_V4QP62 A S R R K R R I A A G A G V E I S E I N R L L L K Q H R Q M A D A F K M M
UniRef90_K0P504 Q S R R R E R I A A G S G K T I Q E V N N Q L L K Q F D M I C K M M K V
UniRef90_M1MA79 S S R R K R R I A E G A G V S I Q D I N Q L L S Q F E K A Q L V M K K M Q
UniRef90_M2ND79 L K R K R R I A K G S G K D V A A I N R L L L K Q F E Q S K K M M Q L S
UniRef90_I0IPL2 G S R R R R R I A S G S G T T V Q D V V N Q V L R Q F E Q V R K M M R
UniRef90_J0R733 H S R R K Q R I A K G S G T N A A D I N K L L K M H R Q M A D M M K
UniRef90_E2CFW1 A S R R K R R I A A G S G V Q V A E V N K L L L K M H R Q M A
UniRef90_X0WR23 G S R R R R R I A Q G S G T M T R D V N Q L L N Q F Y Q M Q K L T K M
UniRef90_F4AXC0 A S R R K R R I G K G S G T S V Q Q V N Q L L L K Q F N
UniRef90_K2A4X3 G S R R K R R I A A G S G T T L Q D V N G K L L L K Q F M Q M K L K R F
UniRef90_W0NZR5 G S R R K R R I A L G S G T K I Q D V N K L L L K N F D D Q R L M K K I K
UniRef90_B3CML8 G K R R L R I S K G S G T S V T D V N L L I K Q Y N Q M S S M V N K F S
UniRef90_UPI0003666DCD M S R R K R R I A R G S G Q T S M D D V N R F L K Q F D Q M S K M M H N M S
UniRef90_R6ZPH2 G Q R R A R I A R G S G T P A D V N N L M K Q W G E M N K M M G K M R
UniRef90_D6TPA9 G S R R K R R I A M G S G T K V E E L N Q L L L K Q F T E M R T M R Q V S
UniRef90_H5TB15 P S R R K R R I A A G S G T Q I Q D V N R L L L K Q F M Q M Q
UniRef90_F4XK15 G S R R R R R I A Q G S G H T E K D V R G L V S E F T R M R S L M Q Q M
UniRef90_Q9ZK62 G S R R K R R I A L G S G L E V S E I N R I I K R F D Q A S K M A K R L
UniRef90_F8HY17 P S R R R R R I A A G A G R P I V J E V N R M I K Q F N Q M K G M M S K
UniRef90_UPI0003B7533C A S R R K R R I A R G S G T S V K D V D A L L K Q F A Q A
UniRef90_R6TTJ7 A S R K T R I A K G S A T S V Q E V N K L L L T Q F E
UniRef90_E0SNQ7 K S R I N R I A L G S G T T A D D V K E L L K Y Y E L V N T M L K N M K
UniRef90_R5SCH0 S S R R K R R I S Q G S G T P L H E L N I F I N Q F E Q M R K M M K G F S
UniRef90_U6S522 G S R R A R I A A G A G V S V S A V N A L L Q R F E Q A A K M M K R M S
UniRef90_UPI0003B4F501 G S R R K R R I V A G S G T Q I Q D L N R L L L K Q H
UniRef90_A6LNZO A S R R K R R I A L G S G T T V Q D I N K L L L K N Y E E
UniRef90_X0MNC6 G S R R A R I A R G S G V D V S T V K G L V E R F F D A R K M M S R M
UniRef90_UPI0003B4EA62 P S R R K R R I A K G S G T S V A D V N K L L L K Q F E K T K L M M K K V S
UniRef90_H3NKE8 Q S R R R R R I A S G C G Q T L N E V N Q L L I K Q F N Q S R N M M A Q M S
UniRef90_Q68XJ4 A S R R K R R I A A G A G M T V Q K V N L L L K Q Y K Q S A V M K K A S
UniRef90_R6LFC1 P Q R R K R R I A A G A G V D I S E V N K M M K Q F E Q M R K M M K S F
UniRef90_UPI0003B72556 A S R R K R R I A L G S G T S V Q E V N K L L K S Y T Q S M K M I K K F
UniRef90_K2BU93 G S R R K Q R I A K G S G T A M Q D I G K L L L K Q F T Q M Q M L K R F
UniRef90_D9SLD0 P S R R K R R I A D G S G L S I Q E V N K L L L K D F E M M K K T M K Q F K
UniRef90_UPI00047683F1 G S R R A R I A L G S G R K T S D V N N L V D R F S A A Q K M M K Q V R
UniRef90_B1L7A6 G S R I E R I A R G S G V T A K E V R K L L K S Y H Q A K K L I E S M S
UniRef90_UPI00026319FC A K R K I R I A K G S G L T V Q D V N K L I K M H Q E M Q T A M K R L K
UniRef90_W4LF88 G S R R K R R I A R G S G T E V G D V N R L I K Q F T Q T Q
UniRef90_F7S0T1 G S R R K R R I A A G S G V Q V Q E V N K L L L K Q F
UniRef90_A5V9P6 A K R K I R V A K G S G T T V Q D V N K L L L K M H Q D M S T V
UniRef90_L0DG41 I S R R R R R I S A G A G V D P S D I S A L V K Q F D A M A F V K Q M S
UniRef90_UPI00016C4BCC T P R R R R I A K G A G V E P H E V N Q F L K Q F G Q V R V L M K Q M
UniRef90_UPI0003FBABB7 A K R K I R I A K G S G T T V Q E V N K L L L K M H L E M S N A M K R L R
UniRef90_UPI0004106BC1 G S R R A R I A R G S G T T V A D V N A L V K R F E G A K
UniRef90_S2G6S7 G S R R K R R I A A G C G M Q V Q D V N R L L L K Q F D D M Q R M M K K M K
UniRef90_Q6FYF7 H S R R K R R I A K G S G T S T A D I N K L L L K M H R Q M A D M
UniRef90_B2V8K1 G S R R K R R I A R G S G T T I L D V N K V L K Q Y
UniRef90_U5QH85 V S R R K R R I A R G S G V S L E D V G K L L N D F N R M R Q
UniRef90_UPI000474C486 A S R R K R R I A A G S G T S V Q K I N Q L L M K Q F K Q V T D L V K K
UniRef90_A0RPS0 N A R K R R I A A G A G I G Q I E V N K F L K Q F S N A A K L A K R F S
UniRef90_R6XRP0 A S R R K R I A A G S G T S I Q D V N Q L L L K Q F D M S K E M M R R V S
UniRef90_T0KRVO N S R K K R I A K G C G L E I V E I N R M I K Q F K N A G K M A K K F S
UniRef90_UPI0003B4CE2F P S R R K R R I A D G S G N D I A V V N R F I K N F E Q S Q K V M K Q L
UniRef90_C7RAC6 G S R R K R R I A N G S G T Q I Q D V N R L L L K Q F N Q M Q K
UniRef90_F2L210 A S R I R R I A I G A G V T P K D V K D M L K V Y E S M K K M S K
UniRef90_G8PJ94 A S R R K R R I A A G S G V Q V A E V N K L L L K M H R Q M A
UniRef90_E4KNV6 Q S R R R R R I A K G C G L D L Q A V N Q L L I K Q F N Q T R Q V M S Q M S
UniRef90_Q1YSV6 G S R R K R R I T V G S G T T I Q D L N R L L L K Q H K Q
UniRef90_UPI00036D54E5 A K R R T R I A G S G T S V Q E V N K L L L K Q H Q E A A R M M K K V Q
UniRef90_UPI0003FAA7C2 S S R R K R R I A R G S G R P V Q E I N R L L L K Q F E E
UniRef90_R7HY79 T S R R K R R I A K G C G M D L A E I N T Y V K Q F E Q M R M M M K G M S
UniRef90_Q0G5T6 H S R R K R R I A A G S G T N S A E I N K L L K M H R Q M A D L
UniRef90_C7N562 A S R R Q R I A A G C G L T V Q D V N Q V M K Q F N E T R K M V K Q M
UniRef90_L8XYD4 G P R R M R I A N G S G C D I Q D V H R L V K E F E Q M Q R M M K E L K
UniRef90_A3DDH6 G S R R K R R I A A G S G T T V Q E V N K L L
UniRef90_I4C7R2 Q S R I A R V A R G S G R E E R E V K D L L T K F R D M R D L M S A M
UniRef90_UPI00037954BF G S R R L R I A K G S G R T R V Q D V N Q L L L K R F
UniRef90_W2BVP7 A S R R K R R I S A G C G Q P V S K I N T L I K R Y D D A K K M L K Q F
UniRef90_G1WGP1 G Q R R A R I A R G S G T T P A D V N N L M K Q W G E M N K M M G K M R
UniRef90_G5JUB3 P S R R R R R I A S G S G N T F V N V N K F I K D F N Q A K Q M M Q
UniRef90_D5HG16 P S R R K R R I A D G A G V Q I A D V N R F L K Q F E Q S K M M K Q M S
UniRef90_V4JTK3 R S R M R R I A L G S G T T V A D V K E L L T Y Y R S V K A M L K
UniRef90_F1ZC17 A K R K I R V A K G A G M Q V Q D V N K L I K M H Q E M A R A M K Q I R
UniRef90_O07853 K A R M R R I A K G A G V T V E E V K E L L K Q Y Q M T N N L K M V K
UniRef90_R6V821 A K R R I R I A N G S G N K V E D I N R F M N Q F E Q M Q K M M K S L
UniRef90_UPI0003B5C9EB A S R R K R R I A A G A G V E V S D V N K V L K M H K Q M S
UniRef90_R6UUG7 A S R R K R R I A K G S G T T V A D V N R L L N E Y E K M K Q V M K Q M
UniRef90_H8Z6T8 G S R R R R I A M G S G T Q V Q D V N K L L L K Q F

UniRef90_V6DJ40 1 S L N V S Q E Q L E R G E R E I R K F K A I I S S M T P K E E R E R A N P K I L M L K S
UniRef90_K9H028 F D M N D M L S Q L R Q D D K D M I K H Q E A I I V L S M T A K E E R E R A N P P A L L M L K S
UniRef90_H3NF18 M D Q F E V D D R K D L D R R M K A I I V L S M T P E E E R E R A N P P D D L L L S Q S
UniRef90_A0A017H8H8 D D R M L K R Q I J A L I N S M T K R E E R A K N P P D D L L L S Q S
UniRef90_UPI00047233BA F D F A D F L Q Q M R Q G E A Q V K R V E A M I G S M T K E A E E R K T H P D D L L L S S
UniRef90_V2Q7X6 D I Q D E T S R I K R T Q A L I Y S M T K R Q E R T R Q N P P D D L L L S N S
UniRef90_Q111T7 F D F T D F L K Q L R Q Q D D N M M K R Q E A T I L S M T I K E E R R N P P E D L V L K N S
UniRef90_G2TF45 F D L E D M L A Q I R Q Q D D N M M K R Q E A T I L S M T I K E E R R N P P E D L V L K N S
UniRef90_R5Y9E3 F D F N D F L G Q I R Q Q V K K M F K S I E A L I Q S M T P T E E R R N H P E L L V L N Q
UniRef90_D5AM65 F N L N D M K S Q L E Q M Q K M I R R Q I J A M I N S M T K K E E R A H P E L L V L N Q
UniRef90_A4A167 F T L D D F K R Q L E Q I E K D M R R L R G T I D S M T R E E E R R T P P K V L I T T N S
UniRef90_UPI000378B322 F D F E D F L T Q M E Q L E K E M K R T K A L I Q S M T L E E E R R N P P D D L L L S N S
UniRef90_UPI00035DBE2A E Q L A K G E E Q L K K A E A M I G S M T V E E E R R K N P P D D L L L S N S
UniRef90_B5RMN9 F N F E D Y L N Q F K V N E R E L K R E E A T I L S M T Q R E E R R N P P V I L L N S
UniRef90_L7UJ7 F G D L T E H L N P D E K E L T K I E S M Y D S M T P K E E R L R P D L L I N S
UniRef90_L1QF44 F D A G E K E L A K V R S I I Y S M T P K E E R R N P P K L I L S
UniRef90_D4G7M0 F D L E D F L E Q L D I D E S L L S K M K A I I Q S M T H E E E R R K N P P E I I L K
UniRef90_C7M873 F G F D D F L E Q I R Q Q K R M F K H I E A I I H S M T P K E E R A N T P A D I L D S
UniRef90_R5JUQ0 G F D Y N D F L D S L E Q M D K Q L K N V K A L I L S M T P E E E R A N P P A I I M S
UniRef90_UPI00036D31B2 F D L N D L H A Q L E Q D D K V I R R Q I J A M I Q S M T K K E E R K N P P D L L S Q
UniRef90_B2A2N6 F T F E D F L E Q L Q Q D E Q E L V K I E A I I Q S M T P E E E R V K P P S I V I N N
UniRef90_K1LFT3 F G F D D F L Q Q I Q Q I K R M F K H I E A I I Q S M T P E E E R R K P P S I V I N N
UniRef90_W6T1I3 F T L D D L V I Q M N A M Q K M F K K E K A L L S S M T P K E E R K D P P R I L I N D
UniRef90_S3XJ15 F T F N D F V S Q L E D N S K E I V H I K A M I G S M T P K E E R E N P P D L L I N K
UniRef90_G4T224 F D L E D L R E Q L L Q M D K E L A R Q I J A V I G S M T M Q E E R R Y P P D L L I N K
UniRef90_W3AV05 F D Y N D F M D Q M D M S K L L G G I L K M L P G L S A K E E R A N P P D L I L N
UniRef90_F3LHF1 F D L N D L K D Q F Q Q M S N M F K K M E V I I D S M T K A E E R K N P P D I L N
UniRef90_D6GQ41 D F D D F L M Q M Q Q D D N A L V H I E A I I R S M T L K E E R R N P P D I I N
UniRef90_S5Z726 E E E M S V D R W I N I M N S M T M E E E L L N P P D I I D
UniRef90_R6A3M0 G F T M N D M L D Q M K A V K M F D K N E A I I M S M T K E E E R L R P P D I I N A
UniRef90_C8RYE9 F N M N D L K S Q L E Q D D K M L R R Q I J A L I N S M T K K E E R A N P P D L L A
UniRef90_Q1N004 G F D L E D F R D Q L L Q M E K Q M G Q T E A I I N S M T P M E E R A F P P D K I N
UniRef90_A6FTE3 K Q M E I D D K V L S R Q V A L I Q S M T K T E E R A N P P D L L Q
UniRef90_A0A017HUF5 G M N K M Q K Q A E E D K M L R H Q I J A L I N S M T K K E E R A N P P D L L Q
UniRef90_R9LWJ4 F T F N D L L D Q F K Q V K K M V K K S E A I I Q S M T P Y E E R A N P P K C L K
UniRef90_A0A023HV91 D D S K V D M Y I J A I I N S M T K E E E R A N P P E L L N
UniRef90_H8I4H9 F T L N D M Y A Q L E A I N K M L K Q I M S I M D S M T K E A E K E D P K L I L G
UniRef90_B3T6E8 R A Q K Q Q M Q G N L E K F R V I M D S M T Q E E E K D Q P H L L K
UniRef90_UPI00034C3B12 G F D L E D F R E Q L Q Q P E K E L G K L E T L I I D S M T P G E E R H K P E L L I N
UniRef90_H2BYA6 F G F D D F L T Q L H Q Q K M F K H V E A I I Y S M T Q A E R S T P V L I N
UniRef90_Q5QUU7 G M G K M T E Q M Q M D D K M T L R M E A I I N S M T P K E E R L R P P D V I K
UniRef90_Q8TU99 F T L K D L Y E Q L Q I T E E R L K K Y K V I M D S M T P E K E E L E N P P V I N
UniRef90_UPI0003B4EA78 G F D L A D M R D Q L M Q N D R D I N R Q I J A L I N A M T P H E E R R F P A V I N
UniRef90_UPI00040218ED F D F Q D F L D Q L Q Q I K K M F K G I E A M I S S M T P Y E E R A N P P D S I L T
UniRef90_H6Q569 F N L N D F L S H L S Q N D K L F T K M E A I I K S M T I Q E E R N N P S I L V K S
UniRef90_U2EJ47 Q G E K E L K R R E A I I N S M T K K E E R V N P S I L V S
UniRef90_UPI000369D6B3 F T L D D F L A Q M Q Q N G K E I K H I E A I I Y S M T P K E E R R D V N I N
UniRef90_UPI0003B6BD72 D M K K Q L D Q D D S Q V N R I E A I I Q S M T P Y E E R N V P K S I N
UniRef90_Q2GGZ2 N D S R V K Q Y I J A I V N S M T K K E E R N S K I L I N
UniRef90_M1LZN6 F D Q S D D F V R K A E A I I N S M T V E E E R V K S D I I K
UniRef90_F0JIZ3 F D F E D F L S H M R K P E D E M K R T E A I I S S M T L K E E R R Q P E L L N
UniRef90_X1CIW6 F N F N D F L S Q K Q I Q D K M F K N I E A I I F S M T T A E R D N P G I L N
UniRef90_W0RJU7 M L K Q A K I D P K R M K H I E A I I V L S M T P A E R K K P D L M N
UniRef90_X1G293 F D L N D F Y L Q L K K M E G E L K K I E A I I S S M T V E E E R E S P S I I N
UniRef90_UPI0003C11310 F D L N D L A D Q L G M N D K M F D R Q I J A I I S S M T K A E E R A N P P D I L K
UniRef90_A1AWP7 F D L S D M R D Q L L Q M E Q M T K K M I A I I N S M T P K E E R N H I K L I K
UniRef90_UPI00035CCB42 F G F D D F L S Q L Q Q V K K M F K H I E A I I H S M T P G E E R S K P A V L D
UniRef90_K7SKZ1 F G L D D F L G Q M R Q D E R E V D R I E A I I C A M T P A E R A D V I T V I N
UniRef90_K9CKR3 F T L D D F L A Q M Q Q D G K E M R R I E A I I R A M T P K E E R A D I T V I N
UniRef90_I3XPS3 K Q L E V K L S K W L A A I I N S M T Y E E E L E N P D I I D
UniRef90_U2SLL2 F G L Q D F L D Q L K Q D E R E V D H L E A I I L S M T P A E E R D V G I L
UniRef90_R6Y1R9 F D L N D M L N L M K Q M E K E L K K T E T I I N S M T L Q E E R K K P E L I K
UniRef90_A0A059IPZ2 F N M N D L R G Q L D Q D D K M L R R Q I J A L I G S M T K Q E E R A H P E M L Q
UniRef90_G2IID7 F D L N D L R A Q L S Q M Q R M L I H L D A L I G S M T L K E E R A K P E L L N
UniRef90_U4UYC4 G M G K M A K Q I D Q D D K V F K H Q I J A L I N S M T K K E E R A N P P Q L L Q
UniRef90_B1X3Q8 F D F S D F L Q Q M R E G E A Q L K R I E S M I G S M T P T E E R E K P E L L Q
UniRef90_A8SMU5 F T L D D F L N Q M Q Q D E K E L D K I E A M I G S M T K K E E R E N P P D I I D
UniRef90_UPI00031DFE79 F T L D D M L M Q I R Q M N K Q M K K T E A I I L S M T M E E E R E N P P D I L R S
UniRef90_X5JW89 D Q L E K G E T Q L K R C E A M I N S M T M E E E R K N P P D L L S
UniRef90_A7BNR2 N D K E I K R M E A I I N S M T P L E E R R T P T V I K
UniRef90_C0BGF3 F G Y D D F L S Q I Q Q D D N A F A G I E V I I G S M T P K E E R A Q P E L M N
UniRef90_R5D4W5 E Q T A Q A E K N M A R M E A I I Y S M T V E E E R R N P P D V L N
UniRef90_UPI00035F0085 T M G D K V D M E Q S K E K L K F K Y I M D S M T E E E M D D P K L I K
UniRef90_S2MWU1 M A N V K M D P K D I A H M K A I V Y S M T P Q E E R E D P D L I N
UniRef90_D3Q266 F T L E D F L E Q L I E D D K H L D K V A A V I R S M T P Q E E R A E P K I K
UniRef90_D5U913 F D Y N D F L K Q I E R E D K K F K Y K A I I Q S M T K K E E R L A E L F P L N
UniRef90_R6TIJ6 F T Y N D F L D Q L N I D E K K F V Y I E A I I G S M T K E E E R N N P D L I S
UniRef90_T1CD47 E Q A D Q D V R R Q I J A I I N S M T P R E E R V S P A S L I D
UniRef90_M4YQ17 F T L T D M Y N Q M K A V K K M L D R F K V I M D S M T Q Q E K D E P S L I K
UniRef90_A3V9R5 L T Q A G L D D K M L R R H I A L I N S M T K H E E R R N P P Q I L Q
UniRef90_R7P776 Y D L E D F L A N L K Q D P K D L A H V E A I I S S M T I E E E R R K P E L L K
UniRef90_UPI0004659343 F D L D D M A E Q L K Q D D S V L F K R Q I J A I I S S M T K Y E E R A H P E V L K
UniRef90_E5Y4T4 F D F E D F R T Q M R R M K K E M A R T E A V I N S M T M K E E R R N P D L I N
UniRef90_U9W843 F D F N D F L D Q L Q Q G E T Q L R R C E S M I N S M T K Q E E R E D P D D L S
UniRef90_M5SR57 G M S Q F K E A M E S E E A Q L R Q I J G A I N S M T P A E E R K N P K L I D
UniRef90_G0QBU4 F T L E D F R E Q I S Q T E Q K V G S Y E T I M E S M T E E E M R D P D V I G
UniRef90_UPI00037AC971 E H L K L G E E Q I Q R F L A L M D S M T Y K E E L D E P S L I N
UniRef90_F0RLU1 F D L D D L L S Q L R Q D E K Q V Q R I D A M I S A M T L E E E R R N P R V I N
UniRef90_UPI00035EE7F0 F D M N D L R A Q L A Q D E K I L L R M D A M I T S M T V K E E R A K P E L I N
UniRef90_UPI0003629493 F D F N D F L E Q M K M D D K R I K Q M E A I V L S M T K R E E R S R P I F I K
UniRef90_K1X065 E M L K G E V E I V K R F K A I I A S M T K K E E R Y F P K I L D
UniRef90_A1ZRX0 F D Y D D F L S Q L Q Q D E N S F K P I E A I I R S M T P H E E R Q N P A V L K

		50	60	70
UniRef90_V6DJ40	N S R K N R I	A K G A G V T V N E I	N L L L D R F E Q S K	Q F K T K
UniRef90_K9H028	A S R R K K R I	A A G G S G T T L Q E I	N K L L K Q H Q Q M A	E L M G D M S
UniRef90_H3NF18	Q N R R K R R I	A D G G A G R T L E V I	N K L L K Q Q K Q M A	E L M G D M S
UniRef90_A0A017H8H8	A S R R K K R I	A K G G A G L E V L S E I	N K L L K Q Q K Q M A	D V M K K M
UniRef90_UPI00047233BA	P S R R R R R I	A A G G S G H S A A Q V	D K M L A D F Q R M G S	L M Q K M S
UniRef90_V2Q7X6	G S R R K K R I	A R G G A G V S A E N E V	N K L I D Q L T R M N K	M M K K V S
UniRef90_Q111T7	P S R R R R R I	A G G S G Y A V E K D V	S K L V S D F Q R M R S	L M Q K M
UniRef90_G2TF45	A S R R K K R I	A D G G S G S N V P E V	N K L L K Q H Q Q M A	
UniRef90_R5Y9E3	S S R R R Q R I	A R G G S G T S I Q E V	N R L L K Q F D D M A R	M M G Q L K
UniRef90_D5AM65	A S R R K K R I	A A G G A G V D V A D L	N K L L K M H R Q M A D	T M K K L
UniRef90_A4A167	P T R R R Q R I	A A G G S G T S P Q E V	N E L L K Q F D A M S	S M M K G A S
UniRef90_UPI000378B322	A S R R K R R I	A K G G S G T S V Q D I	N R L V K Q L N E	
UniRef90_UPI00035DBE2A	P S R R K R R I	A K G G S G H S D K E V	S E L V T N F Q R M R S	L M Q Q M
UniRef90_B5RMMN9	P S R R K R R I	A L G G S G T T I F E V	N K L I K K F S Q T	V L M L K K M K
UniRef90_L7UJ7	A S R R G R R I	A K G G S G R K P E D V	N R E L L K Q K F G M M	Q V M G T I
UniRef90_L1QF44	S S R R K R R I	A K G G S G T L Q Q D V	N K L I K G H E V M R K	Q M K Q M K
UniRef90_D4G7M0	S S R R K R R I	S L G G S G T K V Q E I	N F L L K R F Q E V	K K M M
UniRef90_C7M873	L N R R K R R I	A K G G S G R D I Q E V	N Q L M K Q F E	
UniRef90_R5JUQ0	V S R R K R R I	A A G A G V D I A E V	N R F V K Q F E Q S	K K M M K Q F
UniRef90_UPI00036D31B2	A S R R K K R I	A A G A G V E V S E I	N K L L K M H R Q M A	
UniRef90_B2A2N6	T S R R K R R I	A K G G S G T R V Q D V	N K L L K Q F E Q	
UniRef90_K1LFT3	T Q R R K R R I	A K G G S G R K I E D V	N Q L M K Q F E Q G	K Q L M Q M M S
UniRef90_W6T1I3	A S R R K K R I	A K G G S G T T V Q D I	N Q L L T R F M E M K	I F G K F
UniRef90_S3XJ15	N S R R K R R I	A A G A G L T Q M E V	N K F I K Q F T N A S	K L A K K L
UniRef90_G4T224	G N R R K R R I	A V G G C Q E L Q D V	N R V L K Q H K M M E	K M M K R F K
UniRef90_W3AV05	P S R R K R R I	A A G G A G V D I A E V	N R L V K Q F E Q M R	K M M K Q F
UniRef90_F3LHF1	G S R R K R R I	T T G S G T Q L A E V	N R L L K Q H K Q	
UniRef90_D6GQ41	A S R R K R R I	A S G S G T S L A E V	N K L I K Q F G E	
UniRef90_S5Z726	S S R R R R R I	A R G G S G V T P R D V	R Q L L D A Y K N M K	K M V K Q L S
UniRef90_R6A3M0	G Q R R A R R I	A K G G A G V T P T E V	N S L M K Q W G E M N K	M M G R M R
UniRef90_C8RYE9	A S R R K R R I	A A G G S G L D V S D L	N R L L K Q H K Q M A	
UniRef90_Q1N004	G S R R K R R I	A S G S G T D I S A I	N R V L K Q H K Q M Q	
UniRef90_A6FTE3	A S R R K R R I	A R G A G L E V S E L	N K L L K M Q R Q M S	D M M K Q M
UniRef90_A0A017HUF5	A S R R K R R I	A A G A G L E V S A D L	N R L L K Q H R Q M A D	D M M K K L
UniRef90_R9LWJ4	A S R K S R I	A K G A G V K V A D V	N R L I T Q V E Q M Q T	L T K M M K
UniRef90_A0A023HV91	G A R K A R I	A K G A G V K V A D A V	N A L L K Q Y N Q M N S	M L S K F S
UniRef90_H8I4H9	S S R R M R I	A R G S G V S P E D V	R E L L K Y H K M M Q K	A M K G M S
UniRef90_B3T6E8	S S R R L R R I	A R G S G V Y E K D V	K E L L T Q W N R S R	K M M R G M K
UniRef90_UPI00034C3B12	G S R R K R R I	V A G A G L Q V P D L	N R L L K Q H K Q M	
UniRef90_H2BYA6	A S R R K R R I	A K G G S G T S V Q Q V	N Q L L K Q F	
UniRef90_Q5QUU7	G S R R K R R I	A T G S G T Q V Q D V	N K L L K Q F	
UniRef90_Q8TU99	K S R R R R I	A L G S G T S E R D V	I E L L N H Y R M M K	D V I E D I Q
UniRef90_UPI0003B4EA78	N S R R K R R I	A G G S G V Q I Q D V	N R L L K Q F	
UniRef90_UPI00040218ED	P S R R A R I	A K G A G K D L Q E V	N A F M K Q F E	
UniRef90_H6Q569	S S R R K R R I	A F G S G T K V Q D I	N L L K R F Y D T E	K I M K Q I K
UniRef90_U2EJ47	P S R R K R R I	A L G S G S N I Q E I	N K F L K E F D M M K	K L M K Q T K
UniRef90_UPI000369D6B3	G S R R K R R I	A V G S G T K V Q E V	N K L I K Q F S E A	
UniRef90_UPI0003B6BD72	G S R R A R I	A A G G S G V H V S E I	N T L L E R F R E	
UniRef90_Q2GGZ2	G A R K A R I	A K G S G V H V S V I	N M L I K Q F N Q M S	S L M N K F S
UniRef90_M1LZN6	S S R R K R R I	A N G A G V S I Q D I	N R L L S Q F D K T N	I M M K K I K
UniRef90_F0JIZ3	A S R K D R I	A R G S G V K I A D V	N A L I K N F K Q M S	K V M Q S M
UniRef90_X1CIW6	G S R R K R I	A D G S G S T I Q E V	N R L I K Q F D E T	
UniRef90_W0RJU7	G S R R L R I	A K G S G R T V T E V	N Q L L	
UniRef90_X1G293	G N R R K R R I	S M G S G T Q L S D I	N R L L K Q F N Q	K E M L K K
UniRef90_UPI0003C11310	H S R R K R R I	A A G S G T D A A E I	N K L L K M H R G M A	
UniRef90_A1AWP7	G S R K M R I	A A G S G T N I Q V V	N K L I K Q F E K M Q	K K M S
UniRef90_UPI00035CCB42	A K R K M R I	A K G S G T S I Q Q V	N Q L L K Q F D	
UniRef90_K7SKZ1	G S R R A R I	A K G T G V E I R D V	N N L V N R F V D A R	K M M
UniRef90_K9CKR3	G S R R K R I	A A G S G T R V Q D V	N K L L K Q F G E	
UniRef90_I3XP53	K S R R K R I	A Y G A G V E I D D V	R E L L K Q F E L M K	K L S K Q L R
UniRef90_U2SLL2	G S R R A R I	A R G A G V T V H D V	N S L V N R F V D A R R	
UniRef90_R6Y1R9	N S R K I R I	A E G S G T T S T D V	N R I L D R F D K M K	K Q M S Q V S
UniRef90_A0A059IPZ2	A S R R K R I	A A G A G L E V A E L	N Q L L K M H R K M A D	A M K M M
UniRef90_G2IID7	A K R K I R I	A K G A G L Q V Q D V	N R L L K M H K E M E T	A M K K I K
UniRef90_U4UYC4	A S R R K R I	A A G A G M E V S E L	N K L L K M H R Q M A D	
UniRef90_B1X3Q8	P S R R G R I	A K G S G H K I A D V	D K M L V D F Q K M R	G F M Q Q M
UniRef90_A8SMU5	N S R R Q R I	V K G S G T S I T N L	N K L L K Q F	
UniRef90_UPI00031DFE79	A S R K S R I	A K G S G T Q V A D I	N R L I K Q F E Q T R Q	
UniRef90_X5JW89	P S R R K R I	A R G S G Y K D G D V	N K L V S D F Q K M R	
UniRef90_A7BNR2	G S R R K R I	A K G S G T L I Q D V	N R L L K Q F T Q M Q	K M F K Q V S
UniRef90_C0BGF3	H S R K I R I	A K G A G K S V E E V	N Q L I K Q F E K G R	Q M M Q Q L Q
UniRef90_R5D4W5	P S R R H R I	A R G A G V D I S E V	N R M V K Q F G E	
UniRef90_UPI00035F0085	S T R T R I	A K G A G V E A K D V	R E L L K Q Y N M S	K K A V K G F
UniRef90_S2MWWU1	P S R R R R I	A A G S G R P V V E V	N R M I K Q F N Q S	K Q M M N Q M S
UniRef90_D3Q266	G S R R I R I	A N G S G T V N D V	N Q L T R F G E A	
UniRef90_D5U913	N S R K M R I	S K G S G Q S V Y D V	N Q L I K Q F T M M K	N M M K K M
UniRef90_R6TIJ6	K S R K T R I	A N G S G R T Y Q E I	N N L T K Q F E Q M R	Q Q M K
UniRef90_T1CD47	G S R R R R I	A R G A G V Q V Q D V	R E L L M K Q F L Q M	Q K M M K Q M R
UniRef90_M4YQ17	G K R D R I	A H G A G V T T T D V	R E L L K Q Y N N S	K M M G S M S
UniRef90_A3V9R5	A S R R K R I	A A G A G M E V A D L	N K L L K M H R Q M A	
UniRef90_R7P776	A T R K Q R I	A K G S G R S V E E V	N R L L K Q F E	
UniRef90_UPI0004659343	N S R R K R I	A A G S G T S A A D I	N K L L K M H R Q M S	
UniRef90_E5Y4T4	G S R R Q R I	A A G S G T T V A Q V	N Q V L R Q F T Q M R	
UniRef90_U9W843	P S R R R R I	A K G S G Y G D K D V	S K L V S D F Q K M R	
UniRef90_M5SR57	A T R R T R I	A K G A G V Q S P V I	T Q L I K Q F D V M K	P M M Q A M S
UniRef90_G0QBU4	R D R R E R I	A H G A G V P E E E V	R E L L K H F R Q T R	N M D K M
UniRef90_UPI00037AC971	R S R M R R I	A E G A G V T V D D V	K A L V R Q L E T T	N N M L K M L K
UniRef90_F0RLU1	A S R R E R I	A K G S G H E V A D V	N K L L K	
UniRef90_UPI00035EE7F0	A K R K I R I	A K G S G T N V Q E V	N K L L K M H L E M Q T	
UniRef90_UPI0003629493	A P H R K R I	A K G S G T I L Q V	N Q L L K Q F G Q M	
UniRef90_K1X065	G S R K Q R I	A K G A G V N V E D V	N L L K Q R F E Q S	Q Y A K L L K
UniRef90_A1ZRX0	G S R R K R I	A N G S G T S I Q Q V	N N L I K Q F E	

UniRef90_Q8K9F7
UniRef90_C6XFN1
UniRef90_D2MLZ0
UniRef90_V5WH55
UniRef90_F4GJ97
UniRef90_UPI000349E931
UniRef90_R5FSF3
UniRef90_A0Z7M8
UniRef90_D8GS03
UniRef90_M4VQP9
UniRef90_R5CMK3
UniRef90_P37107
UniRef90_A1HN76
UniRef90_R7LYW8
UniRef90_A1SZY9
UniRef90_A9GM4
UniRef90_A5I4M7
UniRef90_E7MLS5
UniRef90_S8CTA5
UniRef90_B4UAT1
UniRef90_K5ZME1
UniRef90_K9Z5H8
UniRef90_G8TQK8
UniRef90_G7QBC1
UniRef90_F8L7B1
UniRef90_UPI00038156F7
UniRef90_G4AEH4
UniRef90_Q7V0H2
UniRef90_U7JUUV
UniRef90_UPI0003EABD37
UniRef90_C8X436
UniRef90_UPI0002EC8999
UniRef90_A0A014KW43
UniRef90_D0DBI5
UniRef90_Q05716
UniRef90_K3Z5V3
UniRef90_D3RNE8
UniRef90_B4FZB8
UniRef90_UPI00037E1432
UniRef90_X1TD2
UniRef90_A0RUN9
UniRef90_U2YCM3
UniRef90_A5CDD6
UniRef90_C2BHT6
UniRef90_D2RDA1
UniRef90_J0L973
UniRef90_Q2CDP6
UniRef90_R7B6B9
UniRef90_UPI0003B4C79A
UniRef90_T0LPD5
UniRef90_R5TG14
UniRef90_B8LLC8
UniRef90_A2BNB5
UniRef90_F2UU81
UniRef90_T0SV39
UniRef90_UPI000478DDF1
UniRef90_E7QN16
UniRef90_A9A214
UniRef90_D3SL18
UniRef90_Q0W2G1
UniRef90_C7DI21
UniRef90_M4ZT05
UniRef90_E0XZ93
UniRef90_UPI0003B5BBB5
UniRef90_R9TAK0
UniRef90_H0AC09
UniRef90_Q2FS94
UniRef90_I0IIZ7
UniRef90_I3TDS6
UniRef90_UPI000465EEDE
UniRef90_D7EB12
UniRef90_R6Y0J1
UniRef90_D4HEX7
UniRef90_Q28UD8
UniRef90_B5IDG9
UniRef90_A5UMY7
UniRef90_A0B638
UniRef90_P49968
UniRef90_E4THG7
UniRef90_K0CAQ3
UniRef90_F9ZZC9
UniRef90_Q57565
UniRef90_H1XUW3
UniRef90_R7FR72
UniRef90_Q7VQG1
UniRef90_Q46E01
UniRef90_K9WI88
UniRef90_F3MS46
UniRef90_C1NA30
UniRef90_H1YWG6
UniRef90_UPI0003B2F421
UniRef90_F9UJR5

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

UniRef90_Q8K9F7 G S R K R R I A L G S G T K L Q D V N K L L K N F D N
UniRef90_C6XFN1 H S R K K R I A A G S G T N A A K I N K L L K L H R Q V A E M M
UniRef90_D2MLZ0 G S R M K K R I A S G S G T S V D E V V N K L I N Q F N K M K L M D A M
UniRef90_V5WH55 P G R R K R I A K G S G T S V H D E V V N K L I K D F D K M R Q M M K Q L
UniRef90_F4GJ97 P T R R K R I A R G S G S S V N D V N R L L R K F E K M R L T M K K F
UniRef90_UPI000349E931 A S R R K R I A Q G G A G V Q V Q D V N R V I N Q F D
UniRef90_R5FSF3 P S R R R R I A K G S G R P Y T E V N A L V K Q F N E M K K Q M K S F S
UniRef90_A0Z7M8 G G R K R R I T L G S G T Q V Q D L N R L L
UniRef90_D8GS03 G S R K K R I A L G S G T T I Q M V N K L L K D F E K K K T M K Q L
UniRef90_M4VQP9 G S R R Q R I A D G S G T R V Q D V N K L I K Q F E E A
UniRef90_R5CMK3 P Q R K Y R I A R G S G N D I A D V N R F I K Q F R Q M Q D M V K K M
UniRef90_P37107 E S R R K R I A K D S G K T E Q Q V S A L V A Q I F Q M R V K M K N L
UniRef90_A1HN76 G S R R K R I A M G S G T K V Q D
UniRef90_R7LYW8 T S R K K R I A K G G M D M H T I N L Y V K Q F E Q M R Q M M G G M
UniRef90_A1SZY9 G G R K R R I A A G S G T Q I Q D V N R L L
UniRef90_A9RGM4 P S R R R R V A N G S G R S Q E Q V S A L V A Q L F Q M R V R M K S L
UniRef90_A5I4M7 P S R K R R I A K G S G T N V Q H V N K L L K D F Q
UniRef90_E7MLS5 G T M K K R I A R G S G R S V D E V N K L I N Q F G K M K L M D S M
UniRef90_S8CTA5 E S R V L R I A R G S G R S V R D V E M L E E H R R M G K M W S K M K
UniRef90_B4UAT1 D Q R V K R I A K G A G R T E K D V R D L L K Q Y N A M R G V M K Q V
UniRef90_K5ZME1 A S R K S R I V K G G L S N Q E I N R L L N R Y D A M K Q L P Q M K
UniRef90_K9Z5H8 P S R R R R V A K G S G H Q E K D V S R L V S D F
UniRef90_G8TQK8 M G R K Q R I A K G S G K G L D E V N A F L K Q F E Q M K Q
UniRef90_G7QBC1 T S R R R E R I A R G S G T T V L E V S Q L L K N F
UniRef90_F8L7B1 P P R R R R I A M G S G T S I D D V N R M V K S F K R K Q M M K G M
UniRef90_UPI00038156F7 A S R K K R I A A G S G T S V P D V N K L L
UniRef90_G4AEH4 G S R R R R I A L G S G T Q V Q D V N K L L K Q F D E M Q R M M K K M R
UniRef90_Q7V0H2 P S R R Q R I A Q G S G Y Q A K D K V L A D F Q R M R G F M K Q M S
UniRef90_U7JUV9 G S R R A R I A K G S G V E V K D V N S L V N R F V D A R K
UniRef90_UPI0003EABD37 E S R E R R I A K E S G K N E R Q V S Q L V A Q L F Q M Q K M M G A M Q
UniRef90_C8X436 T S R K E R I A R G S G T T V S Q D V T Q L L K N F N Q M K
UniRef90_UPI0002EC8999 S S P S R R I A K G S G H Q E K D V G K L V S D F T K M R T M M Q Q M
UniRef90_A0A014KW43 P S R R N R I T R G S G R T G A E F N R L I N E F E S M S K K M S E F S
UniRef90_D0DBI5 A S R K K R I A A G A G M D V S D L N K L L K M Q R Q M S
UniRef90_Q05716 A S R K K R I S L G S G N T I Q E I N I Y L K K F E N I K R I M
UniRef90_K3Z5V3 E S R I N R I A R G S G R L V K E V V D M L E E H K R I A K M W N K L
UniRef90_D3RNE8 G S R K R R I A A G S G T Q V Q D V N Q L L
UniRef90_B4FZB8 E S R R K R V A K D S G K T E Q Q V S Q L V A Q L F Q M R A K M Q K M
UniRef90_UPI00037E1432 Q S R K E R I A K G G L K L K D V N D L I K S F
UniRef90_X11TD2 G S R R K R I S R G S G T K L S D I N R L L K Q F C Q I K E M F K K
UniRef90_A0RUN9 A S R I K R I A R G S G W P E H D V K E L R K G Y N N S K G M I K A S K
UniRef90_U2YCM3 A S Q I H R I A T G S G Q G E E T V R E L L E Q F H K M M A R T M K Q F Q
UniRef90_A5CDD6 G S R R K R I A A G S G T S V Q E V N K L L K Q F Q N I T S L L K
UniRef90_C2BHT6 N S R K T R I S N G S G V D V R E L N K L L K Q F K E
UniRef90_D2RDA1 S S R I R R I A T G S G T T P Q D V K E L L R Y Y R
UniRef90_J0L973 N S R R K R L A T G V G L D Q L Y V N K V L K Q F K S A S K M A K K L
UniRef90_Q2CDP6 A S R K K R V A A G A G L E V S E L N K L L K Q H R Q M S
UniRef90_R7B6B9 G S R R A R V A S G A G V S V T Q V N Q M M K K Y N E T R K
UniRef90_UPI0003B4C79A P T R K H R I A K G A G V D I A V V N R F I K Q F E Q S O K
UniRef90_T0LPD5 G S R V E R I A M G S G Y N T S D V K E L L K D Y K R V K D M V K N I K
UniRef90_R5TG14 A S R R I R I A K G S G N E V S D I N R F I S Q F E
UniRef90_B8LLC8 Q S R R R K I A V D S G R S E Q Q V S Q L I A Q L F Q M R A G M K N M
UniRef90_A2BNB5 E S R V K R I A V G A G V E P S E V S R E L Y N Y K S V K K M M R Q L K
UniRef90_F2U0U8 S S R I N R I A K G S G T S D E L V R E L L E Q Y K M K T V M K M
UniRef90_T0SV39 E S R I E R I A K G S G N T V A Q V K D F L A K F R Q M E K M M G M
UniRef90_UPI000478DDF1 K S R R D R I A K G A G V Q V A D V N R L R E M L E Q Q K L M K Q M S
UniRef90_E7QN16 A S Q I R R I A R G S G Q D E E R I R E L L Q Q H K M M S Q T L K Q F Q
UniRef90_A9A214 S S R I K R I A R G S G W P E G E V K E L M K N Y K N S K N M M K A S K
UniRef90_D3SL18 L S R K Q R I A R G S G T T V S E
UniRef90_Q0W2C1 S S R I A R V A H G S G K S P E E V R E L L L K Y H K M M Q K
UniRef90_C7DI21 P S R A E R V A R G S G T S E K D V R A L L S S D F N K M K S F N M L K
UniRef90_M4ZT05 V R R K K R I S K G S G I T L S H I D L F M K Q F Y D M N Q I M K K I L
UniRef90_E0XZ93 G S R K K R I A N G S G T D V A T I N K L L K Q F
UniRef90_UPI0003B5BBB5 A S R K K R I A A G A G L E V S E L N R L L K M Q K Q M A
UniRef90_R9TAK0 A S R V S R I A K G A G V E A K D V R E L I R Q Y N T S K K A V K G F
UniRef90_H0AC09 K S R T E R I A S G S G T S N S E V R E L I K H Y R Q T K N M M D K M
UniRef90_Q2FS94 G S R I Q R I A Q G A G A Q L E E V R E L I K Y Y K M M K R T F K G L K
UniRef90_I0IIZ7 N S R R R R I A K G G Q E P A D V S Q L V K G F E M V S Q
UniRef90_I3TDS6 K S R V K R I S Y G A G V D P E D V K A L L K Q Y E A V K S I S K Q L K
UniRef90_UPI000465EEDE A S R K K R I A K G A G L E V S D L N K L L K M H R Q M A
UniRef90_D7EB12 S S R I K R I S R G S G S K P D D V R E L L K Y H K T M Q N A M K N F R
UniRef90_R6Y0J1 K S R K S R I A N G S G R S Y Q E I N Q L T K Q F E T M R T Q M K S I
UniRef90_D4HEX7 G S R R A R I A N G S G V E R D V N N L V N R F V D A R K
UniRef90_Q28UD8 A S R K K R I A K G A G Q D V S D L N K L L K M H R Q M A
UniRef90_B5IDG9 S S R I K R I A R G S G R S E Q E V R S L L K E Y N R M K T M K Q M R
UniRef90_A5UMY7 Q S R I R R I A M G A G V E E S E V R D L L K Y N N T K T M K G I
UniRef90_A0B638 A S R I K R I A R G S G T R P E L V K E L L K S H A M Q K A I K G M R
UniRef90_P49968 E S R I R I A R G S G R Q I R D V T D M L E E Y K R L A K M W S K M K
UniRef90_E4THG7 G S R K K R I A K G S G T T V N D
UniRef90_K0CAQ3 G S R K K R I A A G A G L E I Q D L N R L L
UniRef90_F9ZZC9 G S R K Q R I A N G G Q D L H D V N R I L K Q H
UniRef90_Q57565 A S R I R R I A R G S G T T E N D V R E V L R Y Y E T T K N A I D K L R
UniRef90_H1XUW3 G S R R K R I A M G S G T R V Q D
UniRef90_R7FR72 N S R K Q R I A K G S G T A A D I N K I V G R F D E M K Q M A L F S
UniRef90_Q7VQG1 E S R I K R I A V G S G V N I S D V N L I D K F Y T I R N I K K I
UniRef90_Q46E01 G S R I K R I S R G S G C P E E V R E L L K Y H K T M Q T A L K G F R
UniRef90_K9WI88 P S R R R R I A R G A G Y T E R D V T N L V S E F T K M R N L M M Q M S
UniRef90_F3MS46 P S R R R R I A A G S G R P V E V N R M I K Q F N Q S K Q M M Q M S
UniRef90_C1NA30 P K R M E R I G R G A G R S P M D V V E L I E E Y K R L A K M M G K M K
UniRef90_H1YWG6 G S R V H R I S L G A G A T P E E V R E L L K Y Y K T M Q R A I K G F R
UniRef90_UPI0003B2F421 A S R K E R I I K G S G R S A Q E Y R N L I N E F D Q M K R M K F S
UniRef90_F9UJR5 A S R K A R I L K G S G R S A F E Y N R L L N D F E Q M V K N M G E M

UniRef90_K7ULA6
UniRef90_F6VBU5
UniRef90_T0XV88
UniRef90_F4BUU3
UniRef90_D8QZ73
UniRef90_A9BEZ7
UniRef90_A5K3Q7
UniRef90_W5AE27
UniRef90_A7I9I1
UniRef90_D5E6E5
UniRef90_F0XX33
UniRef90_Q4N7G8
UniRef90_L7EPV5
UniRef90_F8L0T0
UniRef90_K0I156
UniRef90_O82532
UniRef90_B6AFJ0
UniRef90_W6RZ73
UniRef90_UPI000377D54D
UniRef90_R7DP77
UniRef90_I1EQP3
UniRef90_B8GEV0
UniRef90_R5Z700
UniRef90_MOCY84
UniRef90_F0VNC4
UniRef90_Q8DHI6
UniRef90_G0ADT7
UniRef90_H7CXA9
UniRef90_H3F585
UniRef90_E4L7C4
UniRef90_T0LAZ6
UniRef90_F0T7W1
UniRef90_UPI000475DC11
UniRef90_T2GEW9
UniRef90_Q12ZG8
UniRef90_C7NN37
UniRef90_N9TRG9
UniRef90_U4T4H0
UniRef90_E3GW35
UniRef90_I0A296
UniRef90_V4MTU2
UniRef90_I1A4I7
UniRef90_T0M0A9
UniRef90_C4VAG0
UniRef90_M2MBE3
UniRef90_U4KPA8
UniRef90_R6MRQ3
UniRef90_T5AFX1
UniRef90_UPI000405DC2F
UniRef90_UPI0002E983DE
UniRef90_A0A022QYA6
UniRef90_C4XEJ3
UniRef90_R7QHF1
UniRef90_A0A031LNW9
UniRef90_F8AMU7
UniRef90_V4IWC5
UniRef90_C6V531
UniRef90_U3Q5W2
UniRef90_Q5JJC8
UniRef90_W4YWW9
UniRef90_V4Y1P6
UniRef90_G1X2I9
UniRef90_B7FXT4
UniRef90_T0VUW7
UniRef90_UPI00036A62BC
UniRef90_UPI00026534AE
UniRef90_T0R6D8
UniRef90_A6LSM7
UniRef90_U1NVT8
UniRef90_D5TZL5
UniRef90_S7ZV06
UniRef90_B1VB37
UniRef90_G7SPN8
UniRef90_L5KIB2
UniRef90_K8EYG0
UniRef90_Q8MZJ6
UniRef90_T0L2I3
UniRef90_G8LQP8
UniRef90_H8GGG8
UniRef90_I1ZCN9
UniRef90_D8SVD6
UniRef90_R5RU72
UniRef90_U1PTV5
UniRef90_F2U0Q6
UniRef90_C5GHV5
UniRef90_W0DCA3
UniRef90_X1GQT6
UniRef90_G0SD15
UniRef90_E8ZGJ2
UniRef90_UPI0002C300E2
UniRef90_G7I187
UniRef90_F4G079

1 10 20 30 40

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

UniRef90_K7ULA6 Q S R R I N R I A R G S G R R V E E V V H M L D E Y K R A K V W K K L
UniRef90_F6VBU5 P S R R V A R V A R G S G T L P K E V N E L L G Q H G K F A Q M V K K M
UniRef90_T0XV88 G N R R K K R I S A N G S G T T V Q D
UniRef90_F4BUU3 A S R R K K R I S Q G S G A S P D L V R E L L K S H Q A M Q K A L K G M R
UniRef90_D8QZ73 K S R R K K R V A T E S G R T S E A Q V G Q L L S Q L Y Q M R A Q M K N L
UniRef90_A9BEZ7 Y S R R K Q R I A K G S G T T L Q Q D
UniRef90_A5K3Q7 D S S R C L R I C A K G S G T R L V K D I R E L L E Q F K F L K N M V S K M
UniRef90_W5AE27 E S S R I L R V A R G S G R R V L K D V T D M L E E Y K R L A K M W S K L R
UniRef90_A7I911 A S S R M Q R I A R G A G G T P E E V N R E L L K Y F K M M H K T L K G L R
UniRef90_D5E6E5 K S R R Q K R I A A G S G R S V D Q A K Q F L S E F Q Q M R T M M A K M
UniRef90_F0X33 G S S R I M R L A K G S G S P H E I S F L L D Q H K T L Q K M V G S M
UniRef90_Q4N7G8 S S S S R K K A S A G S G T S V Q E I N K L L K Q F E M M R K S M K Q M K
UniRef90_L7EPV5 I P R R K R I V A G S G T K I D D I N R L V K S F K Q A K Q F F K K L
UniRef90_F8L0T0 E S S R R K R I A R G C G L T E G D I K E M I K Q Y N T S K D I L K
UniRef90_K0I156 P V R R K S V A Q E S G K T E Q Q V S Q L V A Q L F Q M R V R M K K L
UniRef90_O82532 S S R R I T R V A I G S G T N V C E V V Q D L L N Q Y K T F A K M V G Q L
UniRef90_B6AFJ0 N S R R K K R I A N G S G V S I T D V N K L L K Q Y D
UniRef90_W6RZ73 A S R R Q R I A R G A G V K Q E E I K E L L K Y Y A T T K N A F S N L K
UniRef90_UPI000377D54D N S R R K V R I A R G C G L T N A D L N R M L K K F D
UniRef90_R7DP77 G S S R K R I A A G S G T R V Q D
UniRef90_I1EQP3 S S R M H R I A T G A G A S P D E V R E L L R Y H K T M Q R A L K G M R
UniRef90_B8GEV0 A S R R K N R I A K G A G V K V M D V N K L I K Q L E
UniRef90_R5Z700 K S R R I E R I A R G S G K P E E R I R E L L E Q Y N A M R Q M L D Q F Q
UniRef90_MOCY84 D S R R L L R V A Q G S G T S L E E V K I L L D Q H K Q F S K M V G K M
UniRef90_F0VNC4 P S R R E R V A K G S G Y Q S V A D V T K L V S D F Q R M R S L M Q Q M
UniRef90_Q8DHI6 A S R R K R I A V G A G V Q V Q E V N R M L S Q F D Q M Q
UniRef90_G0ADT7 G S S R K R R I A K G S G T T V Q E V N K V L K G Y E
UniRef90_H7CXA9 P T R I A R V A R G S G T S Q H D V R E L L S Q Y K K F S D M V K K M
UniRef90_H3F585 G S S R R K R I A Q G A G V Q I Q D
UniRef90_E4L7C4 P S R I R R I A Q G S A C S F S D I A D L M I Q F K N M S A M M K K F S
UniRef90_T0LAZ6 Q S R R V K R I A R G S G M K N E D V K E L L K Y Y N V T K K A M K G F
UniRef90_F0T7W1 A S R R K R I A I G A G V Q V M H V N Q L L N Q F E Q T Q K M M K M F
UniRef90_UPI000475DC11 P S R R R R V A R G S G R T E Q E V A A L L T N F
UniRef90_T2GEW9 S S R R K R I S L G S G S S P D A V R E L L K Y Y K M M Q N A M K G L R
UniRef90_Q12ZG8 R S R T E R I A R G S G K P K D R R E L L E H K M M E R M M K Q M
UniRef90_C7NN37 A S R K E R I I K G S G R S A R E Y N L L L N D F E R M S K Q M K E M
UniRef90_N9TRG9 M S R M K R I A S G C G L T L G D V N Q F R K H M A K S K K F F K N M S
UniRef90_U4T4H0 Y S R R V K R I A R G A G V R N E D V R E L L R Y Y K T T K K A L K G F
UniRef90_E3GW35 K S R I R R I A I G A G V A Q E D V R E L L N Y Y I K K L L K Q L K
UniRef90_I0A296 E S R M I R I A R G S G R T V R E V M E L L E D Y K K L V N T L S N V K
UniRef90_V4MTU2 A S R K E R I L K G S G R T A Q E F N K L L A D Y D A M V K R M K K M K
UniRef90_I1A4I7 A R R I R I A R G S G R E T D V R N L L R E F K A M K N N L K A M K
UniRef90_T0M0A9 N S R I L R I A K G S A S T P Q E V Y D L L V Q F R M M S N M K R F
UniRef90_C4VAG0 P S R M T R V A R G S G T S V R E V E E L L T Q H R M M A G M A K K M K
UniRef90_M2MBE3 Q S R R E R I A K G S G T A V S D V N K L K E A L E T Q K K M F K K M
UniRef90_U4KPA8 P S R K R R I A A G S G R S V E E V E D L L T Q Q R M M A G M A K K M
UniRef90_R6MRQ3 S T R M T R I A R G S G T S V R E V E L L R Q A L E A Q K K M V K T M S
UniRef90_T5AFX1 A S R R Q R I A K G A G V S V S D V N N L R Q A L E A Q K K M V K T M S
UniRef90_UPI000405DC2F E S R K K R I A K G S G T S V A Q
UniRef90_UPI0002E983DE E S R L M R I A R G C G P L R D V M E L L E E Y K R L A K I W G K M K
UniRef90_A0A022QYA6 A N R K A R I I K G S G R S A Q E Y N R L L N D F D Q L V K N M G E M
UniRef90_C4XEJ3 R S R V E R I A N G S G R S L A Q A K N M I S D F Q K M R T M M Q R M S
UniRef90_R7QHF1 K S R M R R I A I G A G V E V E E V K E M V E H F N M M Q K T L K M I R
UniRef90_A0A031LNNW9 T S R M K R I S R G A G V K Q E E I K E L L K Y Y A T T K N A F S N L K
UniRef90_F8AMU7 A E R K A R I C R G S G V D P D R L E E L L E Q H G M M K R T L E Q F S
UniRef90_V4IWC5 Q S R K S R I A S G S G V A K I Y E V N K L I K N F E K A R
UniRef90_C6V531 E K R R K R I S K G S G I A L N H I D I F L K Q F Y N M N Q I M K K I
UniRef90_U3Q5W2 Y S R I K R I A R G S G A T T A E
UniRef90_Q5JJC8 P G R V I R V A R G S G V S V R E V Q E L L Q Q Y Q K F A Q M V K K M
UniRef90_W4YWWW9 K E R T V R I A R G A G V S D E S V R E L L E Q H R M M E R T L K Q F Q
UniRef90_V4Y1P6 P E R M T R I A R G S G T S V R E V E D V L T Q H K M M A Q M A K K M K
UniRef90_G1X2I9 R S R L I R I T K G S G C G L D E G Q Q F M S E F Q R M K T M M S
UniRef90_B7FXT4 P A R R R R I A A G S G N S F I E V N K F I K Q F N Q S K E M M Q G I
UniRef90_T0VUW7 A G R R R R I A K G S G R T
UniRef90_UPI00036A62BC P G R V I R V A R G S G V S V R E V Q E L L Q Q Y Q K F A Q M V K K M
UniRef90_UPI00026534AE E S R I A R I A K G S G T E A Q V R D F I S K F R
UniRef90_T0R6D8 P S R K S R I A K G S G T N I Q E V N K L M K G Y E
UniRef90_A6LSM7 A S Q V E R I A R G S G T D T E R V N E L L E Q H K M M Q R M M K K M Q
UniRef90_U1NVT8 K S R L K R I A R G A G V D A E Y V R E L L K Q Y D
UniRef90_D5TZL5 P S R M V R I A H G S G T T V R E V E D L L S Q H R M M A G M A K R V
UniRef90_S7ZV06 G R R R M R I A K G S G N Q L S D V S Q L M T L L E Q Q K K L A K Q M K
UniRef90_B1VB37 I R R K R R I S K G A G V T L M D L F L K Q F Y N I S R M M K T I K
UniRef90_G7SPN8 P G R I Q R V A R G S G V S T R D V Q E L L T Q Y T K F A Q M V K K M
UniRef90_L5KIB2 E S R R N R I V K G A G K T E E D L A E L I V M F G G M R V K M Q M S
UniRef90_K8EYG0 P G R A A R V A R G S G T S V R E V N E L L K Q Y S N F S A T V K K M
UniRef90_Q8MZJ6 P T R M T R V A H G S G T S V R E V E D L L T Q Q R M M A G M A K K M
UniRef90_T0L2I3 I K R K K R I S N G S G I S L K N I D L L L K Q F S N I S K I M K T I K
UniRef90_G8LQP8 G N R K K R I A D G C Q S D L N A V N R M L
UniRef90_H8GGG8 P N R I V R V A R G A G V F R R E V Q E L L S Q Y T K F A Q M V K K M
UniRef90_I1ZCN9 A S R V M R I A R G S G R S V R D V T E M L E E Y K R L A K L W S K M K
UniRef90_D8SVD6 G S R R K R I A R G S G T S I Q E V N R L L K Q F E G T R K L M K
UniRef90_R5RU72 Q E R K R R I A R G A G V E V G R I E E L L E Q Y R M M K R T M E Q F Q
UniRef90_U1PTV5 P S R V I R V A R G A G V H P G E V E A L L Q Q H K K F A E L V K K M
UniRef90_F2U0Q6 P S R I V R V A C G S G T T V R E V E D L L S Q H K M M A G M A K R V
UniRef90_C5GHV5 M S R K Q R I A K G S G T T I S D
UniRef90_W0DCA3 S S R I Q R I A Q G S G R T T A E V K E L I N Q H R M T V T S L V K R M K
UniRef90_X1GQT6 P T R M T R V A R G S G T T V R E V E D L L T Q Q R M M A G M A K K M
UniRef90_G0SD15 P S R K V R V I K G S G M K P D D F N K L M K R W E D S K K K I E E L S
UniRef90_E8ZGJ2 E S R I V R I A R G S G R L V S E V M E M L G E Y K R L A K I W S K M K
UniRef90_UPI0002C300E2 E S R M M R I A R G S G R L V R E V L E L M E V Y K R I A K E F S K I S
UniRef90_G7I187 K Q R M R R I A F G S G T E V E E V R E L V I E H F N M L Q R T L K V L K
UniRef90_F4G079

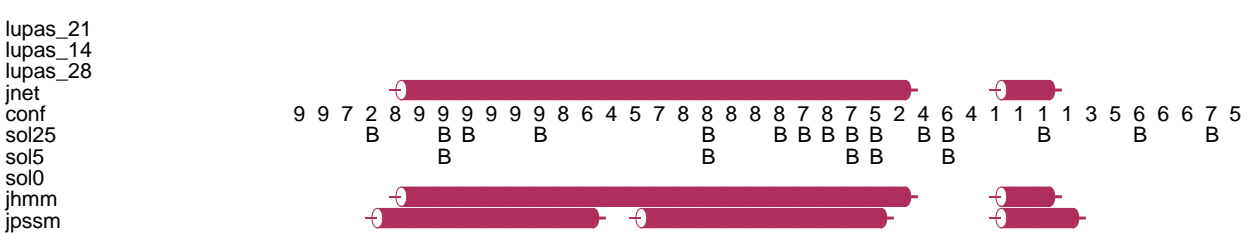
1 10 20 30 40
UniRef90_C1BP12 Q Q S S Q A K L K K M I T I M D S M N D K E L L D D A K I L F M Q
UniRef90_R7YM66 M M G N M D D E E G K L R R M I Y I C D S M T L K E E L D D S D G R I L M Q
UniRef90_R5STAR1 F S L D D F L K Q L K Q L Q E I R K H I E A I I L S M T S A E R A N L D L L N
UniRef90_UPI000467E349 F T L D D F L D Q L R V D E H E I R H I E A I I L S M T P T E R E R H P D L I N
UniRef90_Q2NK61 G D D G F N K F E V L I Q S M T K Q E K K N P Q L I S
UniRef90_W2SC13 Q D G Q D K L K R M I Y L F D S M T A K E L D D S D G K I Q N
UniRef90_W7TM57 R L K R F L T M M D S M T D A E L D D G K V D L N
UniRef90_E9C4A4 Q E S M R R L K R C M T I M D S M T D T E L D D S D G K I L Q
UniRef90_W6N4T2 L S Q G E K D L K L K E A I I K S M T Q K E R L S P I L S S S
UniRef90_N1QK10 G L S G M M G G M D D A E D K L K R M I I C D S M T Q K E L D D S D G K I Q
UniRef90_D8R0L6 D I Q Q F R K Y R V I L D S M T N E E R N S S S L I S
UniRef90_UPI0004749D22 P A E R R D P E L I S
UniRef90_U1G978 G M S N M M A G M D D E D T K M K R M I Y I F D S M T E K E L D D S D G K M Q
UniRef90_J9JKB6 G F S Q D F L S K G S E M E S M L K K L M T I M D S M N D G E R D G A K L F Q
UniRef90_K9SN57 F D F D D F L K Q T R M M K N M F G G I M K L I P G M T K Q E R K D P D L L S
UniRef90_X1AKX7 P E E R H N P G I I D
UniRef90_A0A022QMF1 G F D Q E L M M P K G G S G K M K R Y M I M M D S M T K K E L D D S P N M N N
UniRef90_B8BUG8 S Q M R Q V E E R L K R S E A M I C S M N K K E R A N P G L L A
UniRef90_R6BPA9 L N N V N I D P K I L M A R T E A I V L S M T V I E R R N P D I I K
UniRef90_U6I401 R E S H R R L K R L M T I M D S M N D H E L D D S D D L F N
UniRef90_R7QA53 R L K R F Q H I M D S M T V D E M E N P K M F T
UniRef90_R4K433 L S Q V E E E T K T E S I I Y S M T L K E R R N P Q L I S
UniRef90_A9FZ48 F T L E D F L D Q V R M D D R E L V R I E A L I Q S M T R L E K S D P Y A L E
UniRef90_T0SCX1 R M L K R F L Y M M D S M T A A E L D D G V V Q L T
UniRef90_UPI00047C9D84 Q I E D A Q R K L V V F S I I M D S M T L K E R R E P K L L K
UniRef90_B6K4X0 G M G D M M N G M D D A E G R M K R M L F I V D S M T E Q E L N S D G L I Q
UniRef90_I1CJM9 Q E G G K R M K R M M C I M D S M T D E D V D N P L K L N
UniRef90_I1ZCN2 F T L R D M Y E Q L N N I M K R L M T I M D S M S D S E L D D S K L F N
UniRef90_D4H321 G L D F E D M L K Q F R M D D R Q F K K T E A I I F S M T L K E R R N G K L L N
UniRef90_E9H4K3 G F S Q D F M T K G G E Q E S M L K K L M T I M D S M N D S E L D D H Q D G A K
UniRef90_M2Y539 R V K K F L S I M N S M T D D E L D N P K V F I
UniRef90_J9G5Z5 K E S T A R I K R F L C I M D S M T D E E L D C I K P M S
UniRef90_V9F2P7 F D L N G F Y D H L K K N A E Q M K T F M A I L E S M E P E Y E R E N P R L I N
UniRef90_A5DS19 G M S N I M S Q V G E E E K K R N M I F I M D S M T T K E L E S D G R I E
UniRef90_G8C2I4 F D L E D L I V Q M R E I K K E F R K W E I L I Q S M T S A E R R N P K L F K
UniRef90_A7ARV6 Q V G V A N I K K F L C I M D S M T S D E L D C D K P L S
UniRef90_O42816 E E T S K K I K N M I Y I M D S M T T K E L E C D G R I E
UniRef90_M7P115 D N N I I V K F E A I I Q S M T H E E R L N P T L L N
UniRef90_T1BHN4 E K G E E K L S K Y K V I I S S M T K A E R H D E K L L Q
UniRef90_L0PEF0 E E S S R K F K R L I Y I M D S M T E K E L D S D G K I E
UniRef90_UPI0003B6B931 N D K A I S K Q E A I I Y S M T K K E R V N V A L L N
UniRef90_UPI000462FD2C D Q V N D A S R K L V F S I I M D S M T L K E R R D P R L L K S
UniRef90_H3G9L9 E E A S K R L R R F L F M M D S M T D A E L D D G V V P L S
UniRef90_X0VA66 D K L G A Q E D K V K W E H I I K S M T Q E E K E N P E L L Q
UniRef90_T1FR91 N D F M S K G S E Q E S K L K K L M I I M D S M N D Y E L D S D E G A K
UniRef90_Q99150 E E G T R R I K R M I Y I L D S M N Q K E L D S D G S I V
UniRef90_Q01442 S Q I Q E A Q R K L A V F S I L M D S M T L K E R R D P R V L K
UniRef90_E0S6P9 F T L G D F Y D Q F Q R K D E E S F K K L I Y I E D S L S R G E L D S T G Q M S
UniRef90_K9RTX2 F D F N D F L K Q T L K D N M L G G I M K L I P G M G K Q E R E N P Q L L S
UniRef90_I1ZCL4 F T L R D M Y E Q F T N L M K M L K R L M T I M D S M S D S E L D S K E G A K
UniRef90_A0A015IY23 R I K R L M T I M D S M N E T E L D S D G K L L Q
UniRef90_U6LTF0 F T L Q D M Y D Q F Q N V L K M I K R L T C A M D S M T K A E L A C E K P F T
UniRef90_P47294 E N A E L I E N K I E L W K V L I N S M T R E E R R H P K L I N
UniRef90_W6KV10 H Q N E A M L K R F L H I M D S M N D A E L D P K I M T
UniRef90_C1MLE1 F D F N D F L S Q L Q D A E K S L S V A K S L I M S M T P R E R Q F P D L L A
UniRef90_V4J4B3 M T P S E R R N H R I I N
UniRef90_I7CED8 L M N K T D E L E E V E F K N W E T L I Q S M T P Y E K K N P K V F K
UniRef90_G8BBT6 G M S G L M S Q V G E E E K R N M I F I M D S M T T K E L E S D G I K E
UniRef90_J7S4H7 G M G N M M N Q I G E D E K S M K M V Y M L D S M T K R E L E R C F I D E
UniRef90_S9WTF4 G D V M L R S F L H M L D S M T P A E L D E P K V M T
UniRef90_L7FMR0 Q G G N I E K K F G F T V I L D S M T D K E L D D K A M L A D
UniRef90_M8BL08 F D F N D F L K Q T Q N V A K M M S R V I G M I P G M N K E E R E K P E L L A
UniRef90_A0A059LKD0 G L S N L M Q G G G E K E S Q M K R Y M T I M D S M T R A E L E S T G K M F S
UniRef90_G0QLK3 N S F L D K N N E K E K V K K F L C I M D S M N D L E L D D G D G K I S
UniRef90_D3FGG1 M D L E D L L Q Q T Q S I T K M I H V W K I L M S M T L K E R R N P K L L N
UniRef90_C5KB28 Q E G V K K M K A Y L T M M D S M T D K E L D D G D Q D F C
UniRef90_U1NN12 G G G L K D Q L D A M D V T Q D R M R D F D V I M S M T E S E L E S P R Q I G
UniRef90_S5ME18 S Q I D Q A Q Q K L W V A T I L M D S M T L K E R R E P R L L K
UniRef90_J9DLW6 F T L K D F Y D Q F Q Q I E D S L R K M V C I F D S L S K N E I N R C F E E C
UniRef90_A9V8L8 F T L R D M Y E Q F L N I Q K M M Q M T L T V M K S M T D F E L D H A K A A K
UniRef90_G0PG27 F T L R D M Y E Q F N I M K M L K R M M T V M D S M S D K E L D H P K T K E
UniRef90_B3R096 N L N L Q D F E L N K F E S I I K S M T K E E K F K T N L I S
UniRef90_K3X8Z1 F D L D A F Y V L K K N A D Q L K S F M K I V E S T E Q Q Y R E N P H L I N
UniRef90_W1QGJ9 M M N Q V G E E E K R F K R M V Y V M D S M T K Q E L D S D G D I Q
UniRef90_B8BT81 F T L R D M Y K Q F Q V V M K R L R K F M Y M M D S M N D A E L D D G K I D L H
UniRef90_F4PNF5 Q G G E G N L K K A Y M T I L D S M T D D E L D D G K K Q M N
UniRef90_S6G3U6 F D L E D L R N Q L A Q A Q R K L A V F S V L M D S M T L K E R R D P R V L K
UniRef90_G0SUD4 R R M K R V A F I F D S M T T E E L D N P M G L R
UniRef90_Q977V2 D A M D V T K D R M R S F E V I M D S M T E E E L E N P R K V G
UniRef90_K9UBS3 F D F N D F L K Q M R L L K N M L G L L K M I P G M G K E E R G N P D L L T
UniRef90_A0A024HX44 N K I S E L E E K M R I W K I L M S S M T L K E R R Q P K L L Q
UniRef90_E6N9Z7 E K N D P S I L D
UniRef90_C4R7J0 E E A S K R L K R M I Y I M D S M T K Q E L S S D G R L L Q
UniRef90_Q010M2 Q E G E K R M K W M V L M D S M T D A E L D A P K I F D
UniRef90_G0W583 G M S N M M S Q V G E E E K M K M V Y V F D S M T K E E L E S D G I E Q
UniRef90_U4KN42 G M G K Y K D Q L N V D D K Q F D K M S V L I H M T E E E R K N P K L V E
UniRef90_F9PUM7 M T P E E R E N P D L L R
UniRef90_M5E8T8 Q M A S N K F K T M L Y I I D S M T P A E L D D K P Q L R L
UniRef90_UPI000455F0E2 R M K R M I Y I T D S M T A E E L D D S D G S M D
UniRef90_DOA740 F T L R D M Y E H L Q N V L K M L K T F I H M M D S M T A A E L D D S R V I M T
UniRef90_R9AN65 D M I G Q G G D D E K R I K R M L F I T D S M T V K E M D S D G S I M
UniRef90_I4YC72 D M I G Q G G D D E K R L K R M L F I T D S M T E K E L D D G K F V G

UniRef90_C1BP12 P S R V A R I A G G A G V M E M E V L E L L K Q Y R Q F E Q V V K K M
UniRef90_R7YM66 P A R M T R V A Y G S G T S V R E V E E L L T Q H K M M A G V A K K M K
UniRef90_R5STAR1 G S R R R K R I A D G A G V K I Q D
UniRef90_UPI000467E349 G S R R R Q R I A
UniRef90_Q2NK61 S R R R Q R I A K G S G N Q L S D V N K L I T L L E Q Q K K L A K Q M Q
UniRef90_W2SC13 P S R M V R I A G G S G T S V R E V E E L L T Q H K V M S G L I A K N M
UniRef90_W7TM57 E S R V N R I A R G S G A H P R E V V Q F L L K T Y A Q F S Q M F K K M
UniRef90_E9C4A4 P N R C M R V A R G G A G A H P R E V V A D L L A Q Y K K F A A M V K Q M
UniRef90_W6N4T2 S S R R K R I A S G S G T T I Q Q V N R L L A D F D K T K M M K Q F
UniRef90_N1QK10 P S R R V T R I A R G S G S S V R E E L L A Q Q K M M A G V A K K V K
UniRef90_D8R0L6 E S R I L R I A K G S G T S V D N V Q Q M V N H V K T M S K Q M K G L K
UniRef90_UPI0004749D22 G S R K R R I A L G S G T Q V Q D I G R L L I K Q H K Q M M K M M K F S
UniRef90_U1G978 P S R M T R I A H G S G T S V R E V K D L L T Q A K M M A G F A K N M
UniRef90_J9JKB6 P G R I R V S Q G A G V T E R E V R E L I S Q Y T K F A G V V K K M
UniRef90_K9SN57 P G R R K R I A K G S G Y K T Q D V T K L V S D F Q R R M G L M Q M
UniRef90_X1AKX7 G S R R H R I A Q G S G T K P Q D I N Q L L N Q F R Q M Q K L L K M
UniRef90_A0A022QMF1 E S R I L R V A K G S G H S I E A V K E M L E A Y K R Q A K I W S K
UniRef90_B8BUG8 R S R L M R I T K G S G L A F E D G L A F M S E F Q K M R T M I S R M
UniRef90_R6BPA9 A S R K V R I A K G C G Q K V E D
UniRef90_U6I401 P G R I Q R V A R G A G V S Q N E V K Q L L V Q H T K F A Q V V K K M
UniRef90_R7QA53 Q S R K E R I A R G G G R H P Q E V E E L L M E Y K R F S K V V G K V
UniRef90_R4K433 S S S S R K K A L G S G T S V Q D I N K L L K M M E V M K K Q M K Q F K
UniRef90_A9FZ48 P K R V E R I A K G S G S K P E A V S E L V Q K F L F M R Q M M S G L
UniRef90_T0SCX1 P S R Q L R V A K G S G C K P A E V D F L L K M H K Q F A G V V Q R M
UniRef90_UPI00047C9D84 S T R K N R I T K G S G R T E K E F N E L V N F E K M T K M M K
UniRef90_B6K4X0 P T R I M R V A R G S G T S V L E V E E T L S Q V R V F A Q M A K K M
UniRef90_I1CJM9 P K R V I R V A R G S G T V C E V E E I I E Q Y T K F A E M V K S I
UniRef90_I1ZCN2 P T R I V R V A R G A G V Y Q R E V Q D L L L Q Y T K F A Q M V K K M
UniRef90_D4H321 A N R K K R I A R G S G T N V A D
UniRef90_E9H4K5 P T R M A R I A R G S G R D T E R E V K E L L I S A Q Y T K F A A V V K K M
UniRef90_M2Y539 Q S R M I R I G R G S G R D V R K D V E D L L A E Y K R L S K L V S R V
UniRef90_J9G5Z5 D F R I L R I A K G S G C R P E E V A F L L E E H K K F A K M V E Q F
UniRef90_V9F2P7 G K I K R K I S E K A G H S P E D I N N M L R N Y E Q L S A L
UniRef90_A5DS19 P S R I V R V A K G S G C S A V E M I L Q Q H R M M S T M A K
UniRef90_G8C2I4 S S R R S R V I K G S G R K P E E L N R L L S R W E I T K K
UniRef90_A7ARV6 E S R I V R I A R G S G S T I G V E I N Q L M E H Y K V L Q K L V G K L
UniRef90_O42816 P S R I R V I A R G S G C A V V E V E M I L Q Q H R M M S T M A K
UniRef90_M7P115 N R R R H R I S K G S G T T N Q E I N L L I D F I E K Q K N L T K K L
UniRef90_T1BHN4 D G R I R I A L G S G T S E K E V R E L L A D F A K I E K V F Q
UniRef90_L0PEF0 P S R I R I A M G S G T S V S E V K G L L S Q H H I M A G I A K K V
UniRef90_UPI0003B6B931 A S R R K R I A F G S G T A V S E V N R L V K Q Q Q D M A R
UniRef90_UPI000462FD2C A T R K N R I T R G S G R S E K E F N E L I N N F D K G K M T K M M K
UniRef90_H3G9L9 E S R Q T R V A R G S G C K L Y E V E F L L K C H K Q F A T V V S R M
UniRef90_X0VA66 K S R I S R V A K G A G V N T S D V R S L L K Q Y D M L Q S F V K
UniRef90_T1FR91 P G R V Q R V A M G S G V S N S A V Q E E L L K Q Q Y T K F A Q L V K K M
UniRef90_Q99150 P S R I T R V A R G S G T S I R E V E E V L Q Q Q K M M A S M A S R M
UniRef90_Q01442 A S R K N R I T K G S G R S E K E F N E L I N S F E K G K K
UniRef90_E0S6P9 P S R I M R V A R G S G T S V Q G V V E I L T Q F K K A H A V M Q K I S
UniRef90_K9RTX2 P S R R K R I A Q G S G H K L E D V A K L V S D F Q R M R S
UniRef90_I1ZCL4 A T R I Q R V A R G S G V T Q R E V V Q E L L T Q Y T K F A A V V K K M
UniRef90_A0A015IY23 P K R I Q R V A R G S G T S V R E V E E L L T Q H K A F Q G M V K K F
UniRef90_U6LTF0 D S R I M R V A Q G S G T S V E E V R L I L E Q H K Q
UniRef90_P47294 P N R K Q R I T K G S G R K M D E L N K L M K E W N K M Q
UniRef90_W6KV10 P S R M H R I A R G S G T S I L E V H Q L V S T H A F F D E F V K K I S
UniRef90_C1MLE1 A S R R G R V V E G S G R S D K D L A N L I V M F G S M R V K M Q S L S
UniRef90_V4J4B3 A S R R Q R I A T G S G T G V A D V A N R V L N N Y G A M L K M L K K M R
UniRef90_I7CED8 S S R R T R V I K G S G R K P E E L N K L I S R W E I S K K
UniRef90_G8BBT6 P S R I V R I A R G S G C S V V E I N E M I L Q Q H R M M S S M A K
UniRef90_J7S4H7 P S R M V R V A R G S G T S V F D V E T L L M Q Q Q M M A R M A Q
UniRef90_S9WTF4 P S R V H R I A R G S G H N V V E V Q N L I T K Y E E L V K T M G K M
UniRef90_L7FMR0 E S R M K R I A K G S G R D I R E V G E L F E Q I K M F Q A M I D R L
UniRef90_M8BL08 E S R E R I A E E S E K T E Q E M K K L M G M M Q
UniRef90_A0A059LKD0 A S R V K R W A I G S G S S V Q Q V H Q L L E E Y S R L A K L M G N M K
UniRef90_G0QLK3 E K R I V K I A Y G S G N S I E E V H L L E E Y R L S K V F G K L
UniRef90_D3FGG1 P S R K S R I T K G S G R K V E E L N K L L K D W Q N A S G K M
UniRef90_C5KB28 G S H S R R V A R G S G T H A V G E V E T L V E E Y R K Y S K M V S K M
UniRef90_U1NN12 A S R T Q R I A R G A G T S E E T V R E L L E Q H R M M K R T I E Q F Q
UniRef90_S5ME18 A N R K Q R I L K G S G R S E K E Y N E L L N Q F D K G K M V K A L K
UniRef90_J9DLW6 P S R V L R V A R G S G T S Y K M V Y D L L A Q F R Q F T G M M K K M
UniRef90_A9V8L8 P S R S V R L A R G A G V H P S V V E Q L L A Q Q Y G K F S E V I K K M
UniRef90_G0PG27 P N R V A R V A R G S G S H Q Q S E V R D L L A Q Y K K F S D V V K K I
UniRef90_B3R096 L S R R M R I A K G S G V K P E K D V L N L S L L E Q Q K I A K Q M
UniRef90_K3X8Z1 G K V K R Q I A E K S G H S P E E I N T M L R Q Y E Q L S A L
UniRef90_W1QGJ9 P S R I V R V A R G S G T S V T E V E A V L K M F A R M A Q T T K S M Q
UniRef90_B8BT81 A K R I N R I A A G S G T H P T E V K M L L Q A H K Q F E G M V S K M
UniRef90_F4PNF5 P S R M L R I A R G S G R H P R E V V G E L T E Q
UniRef90_S6G3U6 A S R K N R I T K G S G R S E K E F N E L I N S F E K G K K M T K M L K
UniRef90_G0SUD4 E P N K R R V A R G S G T S V Q E V E E L L A Q H Q M F A K M A K R M
UniRef90_Q977V2 A S R V R R I A Q G S G Q D E E T I Q E L L E Q H R D M Q R M M K K L Q
UniRef90_K9UBS3 P S R R R R I A K G C G Y N E S D V S K L I S E F
UniRef90_A0A024HX44 R N R K V R I T K G S G R K P D E L N K L L K E W D Q A S K K M A D M
UniRef90_E6N9Z7 G S R I R R I A Y G A G V L E R D V R E L L R S Y Q A S K M M K
UniRef90_C4R7J0 P S R M V R V A R G S G T S V T E V E L V L L Q Q K M M A R M A L Q S K
UniRef90_Q010M2 A K R M E R V A R G A G R S P H E M I T L L L E E H K R
UniRef90_G0W583 P S R M V R V A R G S G T S V L E V E M I L M Q Q R M M A N M A Q N I
UniRef90_U4KN42 S R R R Q R I S K G S G M Q V S D L N R L I Q A L D Q Q K K L A K Q M S
UniRef90_F9PUM7 P S R R R R I A A G S G N T F I E V N K F I K D F N Q A K Q L M Q
UniRef90_M5E8T8 N A R A R R V A R G S G T S M R D V E E F L L Q Y R T I S T M V K K V
UniRef90_UPI000455F0E2 G K R V T R V A R G S G T S V R E V E E L L C Q Y R M M A N M A K Q
UniRef90_D0A740 P T R I H R I A R G S G H T I L E V H N L I T S Y T K F E D V V K K M
UniRef90_R9AN65 S K R A L R V A R G S G T S V R E V E E L L V Q Y T M M K N M M K
UniRef90_I4YC72 M S R R A R V A R G S G T S V R E V E E L L V Q Y T M M K N M M K


```

UniRef90_UPI0004416D96      1          10          20          30          40
UniRef90_S7QFT9             E E G T N R M K R M I F I T D S M T A S E L D K P V G I T
UniRef90_L8X710             E E G A M R M K R M I Y I T D S M T A S E L D S P F L E L
UniRef90_MOU3H5             E E G S R R M K R M L F I T D S M T A E E L D S D G M I L
UniRef90_UPI0004546AAB     F T L R D M Y E Q F Q N I M K M F S Q I L N L I W S L C A E S T D G A K V F Q
UniRef90_A6FXA0             DD R E L V K L E A M I Q S M T K K E R Q D P E L F V
UniRef90_D3BBV3             Q G D A G N L K L K A Y I N I L D S M S D G E L D G K H Q I T
UniRef90_D2V799             F R D K L D N M D L S F I D N H E H I I S C M S E Q E K L I Q P L L V E
UniRef90_W6KLQ3             N E M M L R K F L H I M D S M N D A E L D E P K V M T
UniRef90_UPI00045614A1     S K M K R M M Y I I D A M T R E E L D S D G S L M
UniRef90_D8LNI7             F N L D D F A K I I E E P L D K M K M Q K K V L E G L T P L Q R K N P E S I R
UniRef90_J5NCH9             K V D D K M F S K M E A M I N S M T L K E R A N P E I I K
UniRef90_U5NF63             F D L E D L I K Q F K E I E N E F I A W E Y L V Q S M T D Y E K K N P K V F K
UniRef90_R1F9H2             D Q M L E T R A K F E R H A S I V D V M L P E E K S D P A L L P
UniRef90_G2YDM2             K L K R M I Y I C D S M T A K E L D S D G K M Q
UniRef90_A5DJH1             M S Q I G E E E S K I K N M I F I M D S M T T K E L D S D G R I Q
UniRef90_Q75K18             Q G N E G G L K L K A Y I N I L D S L S E K E L D G K K P I T
UniRef90_J3QEAS             D E M S Q K M K R M I F I F D A M S P Q E L D S D G S I F
UniRef90_A2FQ92             K E Q V R R I L I T I D A M S T S E L E N P S L F K
UniRef90_A8HS79             K Q N Q M M I R R Y I T T I E S M T D K E M D N I K M L S
UniRef90_UPI000441579B     E D G A R R L K R L F I T D S M T A T E L D S D G S M K
UniRef90_C1ECP8             Q E K A S Q A K I K R M M C L M D S M T D E E L D T T S L Q D
UniRef90_W7T5U6             R Y R K I L G A F T E E E L A H P E K I K
UniRef90_W0GRG9             F D L Q D L L N Q M R Q A E R K L K V T E V L L S S M T V K E R R E P R L L K
UniRef90_UPI00029A0154     F D F N D F L D Q M E Q D E K Q I T H I K A I V L S M T P Q E R E Q P
UniRef90_X6MMI4             Q Q R L Q N F L V I M D S M T A E E L D G D I S L N
UniRef90_X1BVV8             E K E T P K I I K
UniRef90_T0QEWS             M P Q I Q Q M K N F L T I M E A F E P N V R N D P K L I N

```



UniRef90_UPI0004416D96 W R V T R V A R G S G T S V R E V E E L L C Q Y R M M A N M A K Q
UniRef90_S7QFT9 G K R V T R V A R G S G T S V R E V E E L L C Q Y R M M A N M A K Q
UniRef90_L8X710 S R R V L R V A R G S G T N V R E V E E T L T Q Y R M M A N M A K
UniRef90_MOU3H5 E Y H T L H T A R G L D R P V R D V L Q M L K Q I G G M Q N F M K Q M
UniRef90_UPI000456AAB P G R I Q R V A R G S G V S T R D V Q E L L T Q Y T K F A Q M V K K M
UniRef90_A6FXA0 E S R V R R V A R G S G R L E D E V M G L V S R F M V M R D M F G M L
UniRef90_D3BBV3 P Q R I L R I A R G S G R H P R E V A E L V E Q K K A F E K M F S K
UniRef90_D2V799 S S S A R R L A K R A K V E V T D V N K M L K M Y E K M K S F I S K
UniRef90_W6KLQ3 P S R I H R I A R G S G T S L I N V N S L I F A H A S F E E V V K K I
UniRef90_UPI00045614A1 T A R A R R V A R G S G T S V R E V E E F L M Q Y R M V A R M V K Q M
UniRef90_D8LNI7 H G H R Q R I A D R A G V T T E D V N K A L A A Y R E L K A M
UniRef90_J5NCH9 G S R R R R I A M G
UniRef90_U5NF63 S S R R V R V I K G S G R K P E E L N Q L L A K W
UniRef90_R1F9H2 G P R I Q R L A T A S G Q P E T E V A L F L M Q F E A M R
UniRef90_G2YDM2 P T R M T R I A C G S G T S V R E I E D L L T Q H K M M A G M A K T M
UniRef90_A5DJH1 P E R I T R V A R G A G C Y A I E V E M V L Q Q Q R M M S A M A S S A K
UniRef90_Q75K18 Q K R I I T I A Q G S G R H P N E V V E L L E Q H K T F E K L T
UniRef90_J3QEA5 D K K R R R I A R G S G T S V D E V E G M L A Q H A M F A T M V K
UniRef90_A2FQ92 D S R K M R V A S G S G M P T F V Q Y V I D E Q K R W E K M F K R M
UniRef90_A8HS79 E S R V N R L A R G S G S T P A Q V L A L L E S Y K H Y S K
UniRef90_UPI000441579B P T R V T R V A K G S G T S V R E V E E V L C Q Y R M M A H M A K Q
UniRef90_C1ECP8 P K R M E R I G R G A G R G P G D V V E L V E E Y K R
UniRef90_W7T5U6 S R E K Q R V A T Q S G E S I Q E L N L L L S L Y E N S Q A L H K
UniRef90_W0GRG9 H S R K T R I I K G S G R S E K E
UniRef90_UPI00029A0154
UniRef90_X6MMI4 P A R Q R R I C R G A G V H I N F I R E L V M V Y K P F A G F A K N M K
UniRef90_X1BVV8 K S R K R R I A I G S G T S Y T T I N K M L D Q Y N Q M K
UniRef90_T0QEW5 G K V K R I V S E K C G Q P V E E I N N M M R S Y E Q

