

1 10 20 30 40
QUERY [L]V[S] G P S F T S G E [V]V[S] L R [V]T T P G Y T T R Y I A H T D T [V]N T Q [V]V D
UniRef90_UPI00034692BF [L]V[S] G P S L [L]P[E]N[E]Y[R]S L R [V]T T P G H T T D R Y I A R H H Q D A T [L]G[F]T T E [P]V D
UniRef90_D3K3M6 [L]V[S] T G P S L [L]T[V]G[S]S[V]S L R R A T T A C C C T T T R Y I A T H H S G S T T I E [L]Q[V]V V N S
UniRef90_S8B7P9 [L]S T G P S L [L]T[V]G[S]S[V]S L R R A T T A C C C T T T R Y I A H H S G S T T I E [L]Q[V]V V N S
UniRef90_A0A016P898 M T S G T A L S V G S S V S L R K [V]T T S G Y T T D R Y I A H H T N S S D V N T T Q V V S S S
UniRef90_G9NYH4 M T S G P A L T T V G S S I S L R A T T A C C C T T T R Y I A H H T N S S D V N T T Q V V S S S
UniRef90_Q4WL66 [L]T S G P A L T T V G S S I S L R A T T A C C C T T T R Y I A H H S G S T T V N T T Q V V S S S
UniRef90_B6HW29 [L]T S G T A L T T V G S S I S L R A T T S G Y T T D R Y I A H H T G A T I N T T Q V V S S S
UniRef90_T0KDL6 [L]V[S] T G Q A L T T V G S S Y S F R A T T S G Y T T D R Y I A H H T Q A T V N T T Q V V T T
UniRef90_H2K1J5 [L]N S Q G L L G S G Q H R S S L R Q V M T P G Y T N R Y L R H H S D S L G Y T E V V D
UniRef90_S9R8F1 [L]N S Q G L L G S G Q H R S S L R Q V M T P G Y T N R Y L R H H S D S L G Y T E V V D
UniRef90_S9R8F1 [L]N S Q G L L G S G Q H R S S L R Q V M T P G Y T N R Y L R H H S D S L G Y T E V V D
UniRef90_S5NFW1 [L]T S G P E L T I G S S I S L R A T T S C C C A T R Y I T H H T D S T V N T T Q V V S S
UniRef90_UPI000371D7C6 S A P T T L P T G L K S L R V T T P G Y T D R Y I R H H R D A L A Y T E V V N
UniRef90_Q08WD5 [L]N S Q G L L G S G Q Y R S S L R Q V T T P G Y T N R Y A R H F E S L G A T E V V T T
UniRef90_Q08WD5 [L]N S Q G L L G S G Q Y R S S L R Q V T T P G Y T N R Y A R H F E S L G A T E V V T T
UniRef90_G2P472 [V]A G G T L N A G S T M S L R A T T P G Y T D R Y I R H H Q A N S A V T S V V S
UniRef90_G8SJ68 G G P [V]I T P G S I S L R A T T A C C C T T R Y I S H H S G S T V N T T Q V V T T
UniRef90_UPI00044174B5 [L]T S G P A L T T V G S S I S L R A T T A C C C T T R Y I A H H T G A N V N T A V V T T
UniRef90_M2UNP4 M T S G P A Y T T V G S S V S L R A T T P G Y T D R Y I A H H S G A T V N T T Q V V S S
UniRef90_UPI00047EFCBA [L]T S G P A L T T V G S S I S L R A T T A C C C T T R Y I A H H T G S T V N T T Q V V S S
UniRef90_E3FL68 T Q G P L P L N Q Y R S S L R Q V M V P G Y T N R Y L R H H F E S L G V T E V V N
UniRef90_E3FL68 T Q G P L P L N Q Y R S S L R Q V M V P G Y T N R Y L R H H F E S L G V T E V V N
UniRef90_UPI0003A295D0 S A G T G L T P G T S V S L R A T T A C C C T T R Y I H H T G S S T V D T A V V T S
UniRef90_C7Z4C8 [L]T S G P G L T T V G S S V S L R A T T S A C C C T T R Y I T H H S G S S V N T T Q V V S S
UniRef90_W9CI50 [L]T S G S A F T T V G S S I S L R A T T A G F S S R Y I T H H T G S S V N T T Q V V S S
UniRef90_R8BNG6 [L]T S G S A F T T V G S S I S L R A T T A G F S S R Y I T H H T G S S V N T T Q V V S S
UniRef90_S9QLY6 G L L G A G G Q Y R S S L R Q V T T P G Y T H R Y V R H H L D S L G F T E V V N
UniRef90_S9QLY6 G L L G A G G Q Y R S S L R Q V T T P G Y T H R Y V R H H L D S L G F T E V V N
UniRef90_G2P3B3 S P G A T L P V N T R R S S L R Q V T T P G Y T N R Y L R H H Q N S L A Y T E V V D
UniRef90_I0L752 S P G A T L P V N T R R S S L R Q V T T P G Y T N R Y L R H H Q N S L A Y T E V V D
UniRef90_G2GDA2 [L]M S G T F A I G S V S L R A T T S K G F D T R Y I A H H T G S T V N T T Q V V T
UniRef90_Q0US03 [L]M S G T F A I G S V S L R A T T S K G F D T R Y I A H H T G S T V N T T Q V V T
UniRef90_E3FQX9 P G L G D A A C Y S F E S R N F P G H Y L R H H F N S R I R K D A
UniRef90_E3FQX9 P G L G D A A C Y S F E S R N F P G H Y L R H H F N S R I R K D A
UniRef90_E3FQX9 P G L G D A A C Y S F E S R N F P G H Y L R H H F N S R I R K D A
UniRef90_N0CHB9 A P P [V]T L P T G Q N K S L R V T T P G H T T K H L R H H Y D G Q A F T E V V N
UniRef90_U5VPQ0 A T G T T L P L N K L A S L R V T T P G F T D R Y L R H H S N G T A N T A V I N
UniRef90_U5VPQ0 A T G T T L P L N K L A S L R V T T P G F T D R Y L R H H S N G T A N T A V I N
UniRef90_E3QU61 [L]N S G T A L T V G S S I S L R A T T A C C C T A R Y L A H H T G S T V D T Q I V T
UniRef90_O74288 [L]T S G P A L T T V G D T V S L R V T T S G Y D T R Y I A H H T G S T I N T Q V V S
UniRef90_V6KNW8 [L]V[S] G P A L T T V G D T V S L R V T T S G Y D T R Y I A H H T G D G L A F T A P V V D
UniRef90_K1XK88 [L]V[S] G P A F T V G D S V S L R V T T A G Y E T R Y L A H H T G T A V N T Q V V T
UniRef90_W5WCE4 [L]S S G P R L S V G A R V S L R A T T S C C C T T R Y L A H H T G T G V D T Q V V S
UniRef90_Q6RKQ1 [L]S S G P R L S V G A R V S L R A T T S C C C T T R Y L A H H T G T G V D T Q V V S
UniRef90_D6B5G5 [L]A K G T E V G R G E L L S L R V T T A G Y T D R Y L R H H Q D D F V R T D V L G
UniRef90_R4STQ1 [L]A K G T E V G R G E L L S L R V T T A G Y T D R Y L R H H Q D D F V R T D V L G
UniRef90_R4STQ1 [L]A K G T E V G R G E L L S L R V T T A G Y T D R Y L R H H Q D D F V R T D V L G
UniRef90_UPI00035FD2C0 [L]T S G P Q L T V G S S I S L R A T T A C C C T G S Y I S H E G D V V K L R D V S
UniRef90_UPI00035FD2C0 [L]T S G P Q L T V G S S I S L R A T T A C C C T G S Y I S H H R N G L A R T D V V T
UniRef90_UPI00035FD2C0 [L]T S G P Q L T V G S S I S L R A T T A C C C T G S Y I S H H R N G L A R T D V V T
UniRef90_UPI00035FD2C0 [L]T S G P Q L T V G S S I S L R A T T A C C C T G S Y I S H H R N G L A R T D V V T
UniRef90_G3JH26 [L]T S G P Q L T V G S S I S L R A T T A C C C T G S Y I S H H R N G L A R T D V V T
UniRef90_UPI000360CBCF [L]A S A T T P A A G E L V S L R A T T A C C C T G S Y I S H H R N G L A R T D V V T
UniRef90_UPI000475C1B1 [V]G G [V]A [V]P [V]E E N L S L R V T T P G H E D R Y L A H H E G L G V T A P V D
UniRef90_UPI0003754E99 T S T G S L T P G S R I S L Q A T S P C C C T T D Y L R H H D D A D V V I S N I T
UniRef90_C6WE77 [V]A E S [V]P [L]H [V]N A R Q S L R V T T P G L T D R Y A R H H L D G Q G V T S V V T
UniRef90_UPI000378A106 [V]A E S [V]P [L]H [V]N A R Q S L R V T T P G L T D R Y A R H H L D G Q G V T S V V T
UniRef90_UPI00035E16C2 [L]T S G P K L S A N S S I S L R A T T S C C C T S Y I S H H G N D T I K I Q G V S
UniRef90_J4W2U5 [L]T S G P K L S A N S S I S L R A T T S C C C T S Y I S H H G N D T I K I Q G V S
UniRef90_UPI00037642FC [L]T S G P K L S A N S S I S L R A T T S C C C T S Y I S H H G N D T I K I Q G V S
UniRef90_UPI0004411297 [L]T S G P K L S A N S S I S L R A T T S C C C T S Y I S H H G N D T I K I Q G V S
UniRef90_UPI0004411297 [L]T S G P K L S A N S S I S L R A T T S C C C T S Y I S H H G N D T I K I Q G V S
UniRef90_S9PFQ0 [L]T S G P K L S A N S S I S L R A T T S C C C T S Y I S H H G N D T I K I Q G V S
UniRef90_S9PFQ0 [L]T S G P K L S A N S S I S L R A T T S C C C T S Y I S H H G N D T I K I Q G V S
UniRef90_M3BPX2 [L]A S G P A L K I G N T I T L R A T T P G Y D T R F L A H H S G T T L N T Q V I T
UniRef90_UPI0004696B21 [L]A S G P A L K I G N T I T L R A T T P G Y D T R F L A H H S G T T L N T Q V I T
UniRef90_UPI0004412395 [V]N T [L]S L P A G A Y Q S F R A T T P G F T D R V A R H H Q N G L G Y T S V I N
UniRef90_UPI0004412395 [V]N T [L]S L P A G A Y Q S F R A T T P G F T D R V A R H H Q N G L G Y T S V I N
UniRef90_UPI0004412395 [V]N T [L]S L P A G A Y Q S F R A T T P G F T D R V A R H H Q N G L G Y T S V I N
UniRef90_UPI0004412395 [V]N T [L]S L P A G A Y Q S F R A T T P G F T D R V A R H H Q N G L G Y T S V I N
UniRef90_C5AH18 [V]T S G A L T P G A R V S L K A T T P C C C T T R Y I S L Q G G N A Q S K V V D
UniRef90_UPI00036E6CBD [V]T S G A L T P G A R V S L K A T T P C C C T T R Y I S L Q G G N A Q S K V V D
UniRef90_E9EJ09 [L]T S G P R F T V G S H V S L R A T T P C C C T N R Y V A H H S G G A V R T Q E V S
UniRef90_F9FYR1 [L]A N G P P L K I G S T I T L K A T T P G F T S R Y L A H H D G S T V N T Q V V T
UniRef90_M2ZWX6 N S G P G I N V G S T V T L R A T T P G S N T R Y L A H Q G S A V N V I Q I V A
UniRef90_Q08R12 [V]S P N F K F A K G S A I S L R A T T S C C C T N R Y I A H T G S T V N T Q V I S
UniRef90_Q08R12 [V]S P N F K F A K G S A I S L R A T T S C C C T N R Y I A H T G S T V N T Q V I S
UniRef90_B6QAF3 [V]S P N F K F A K G S A I S L R A T T S C C C T N R Y I A H T G S T V N T Q V I S
UniRef90_UPI0004673805 [V]S P N F K F A K G S A I S L R A T T S C C C T N R Y I A H T G S T V N T Q V I S
UniRef90_K4QY67 T G T G A L T P G A R V S L K A T T P C C C T S H Y L R A A D S T V G I S V V N
UniRef90_UPI0003644193 T P G A A N T V G P R V S L Q A T V A G D F I K H A D D L V V T A P V T
UniRef90_L8AQS9 [V]T T G L A N P N C I S L E S R N F P N Y F L R H H R N Y R I I L S A
UniRef90_L8AQS9 [V]T T G L A N P N C I S L E S R N F P N Y F L R H H R N Y R I I L S A
UniRef90_C7Q614 [V]T T G L A N P N C I S L E S R N F P N Y F L R H H R N Y R I I L S A
UniRef90_M3FLJ6 [V]T T G L A N P N C I S L E S R N F P N Y F L R H H R N Y R I I L S A
UniRef90_M3FLJ6 [V]T T G L A N P N C I S L E S R N F P N Y F L R H H R N Y R I I L S A
UniRef90_D8I7C6 [V]S G G P T L S K G V T R S F Q S V N Y S T R Y W Q V Q S S L L N L P V V S
UniRef90_L7F0K3 [V]S G G P T L S K G V T R S F Q S V N Y S T R Y W Q V Q S S L L N L P V V S
UniRef90_B3DFA0 [V]S G G P T L S K G V T R S F Q S V N Y S T R Y W Q V Q S S L L N L P V V S

QUERY D D S S T T L L K E E A S W T V V T G L A N S Q C F S F E S V D T P P G S Y L R H H R
UniRef90_UPI00034692BF G D S S T T A L K Q Q A S W T V R T G L A N S G C C Y S F F E S R N D T T P P G S Y L R H H R
UniRef90_D3K3M6 S S S S T T A L K Q Q A S W T V R T G L A N S G C C Y S F F E S V D T T P P G S Y L R H H Y
UniRef90_S8B7P9 S S S S T T A L K Q Q A S W T V R T G L A N S G C C Y S F F E S V D T T P P G S Y L R H H Y
UniRef90_A0A016P898 A S S S T T A L K Q Q A S W T V R T G L A N S G C C Y S F F E S V D T T P P G S Y L R H H F
UniRef90_G9NYH4 S S S D S T A L K Q Q A S W T V R T G L A N S D C C F S F F E S V D T T P P G S Y L R H H Y
UniRef90_Q4WL66 S S S S T T L L K Q Q A S W T V R T G L A N S D C C F S F F E S V D T T P P G S Y L R H H Y
UniRef90_B6HW29 S S S S T T A L K Q Q A S W T V R T G L A N S N C C F S F F E S V D T T P P G S Y L R H H A
UniRef90_T0KDL6 S S S S A T A L K Q Q A T W T V R T G L A N S G C C Y S F F E S K D T A G S Y L R H H Y
UniRef90_H2K1J5 S S G S S L D K K N D A T W I V R R G L A D A S C C V S F F E S R N N Y P P G D F L R H H S
UniRef90_S9R8F1 S A S T G T L K Q Q D A T Y R I V P G L A D A S C C Y S F F E P R N F P P G S Y L R H H F
UniRef90_S9R8F1 S A S T G T L K Q Q D A T Y R I V P G L A D A S C C Y S F F E P R N F P P G S Y L R H H F
UniRef90_S5NFW1 S S S P V A L K R Q A S W R V R A G L A D A G E C C F S F F E S V D T T P P G S Y L R M H N
UniRef90_UPI000371D7C6 S G S S D L L K N D A T W R I V P G L A D S S C C Y S F F E S R N Y P P G S Y L R H H R
UniRef90_Q08WD5 S T S S G T L K Q D A T F K I V A G L A D A A C C Y S F F E S R N Y P P G S Y L R H H S
UniRef90_Q08WD5 S T S S G T L K Q D A T F K I V A G L A D A A C C Y S F F E S R N Y P P G S Y L R H H S
UniRef90_G2P472 A G S S A L D K G D A S W I V R R G L A N A S C C V S F F E S R N Y P P G D F L R H H S
UniRef90_G8SJ68 S G S A A D K A N A S W I V R A G L A D A A C C V S F F E S R N T P P G S Y L R H H S
UniRef90_UPI00044174B5 S S S S T A L K Q Q A S W S V R T G L A N S A C C F S F F E S R D T P P G S Y L R H H S
UniRef90_M2UNP4 S S S S T A L R S Q A S W I V R A G F A N S E C C F S F F E S K D T A G S F L R H H A
UniRef90_UPI00047EFCBA S G S S A L D K S D A T W I V R K G L A D A S C C V S F F E S R N Y P P G D F L R H H F
UniRef90_E3FL68 S A S N G T L K Q D T T F K I V P G L A D A A C C Y S F F E P R N F P P G S Y L R H H F
UniRef90_E3FL68 S A S N G T L K Q D T T F K I V P G L A D A A C C Y S F F E P R N F P P G S Y L R H H F
UniRef90_UPI0003A295D0 S G S S A T E K K N A S W T V R A G L A D S S C C V S F F E S N K T A G Q Y L R H H Q
UniRef90_C7Z4C8 S S S S T T L K K Q A S W T V R T G L A F S G C C F S F F E S N D T P P G S Y L R H H S
UniRef90_W9CI50 S S S S T T A L K K Q A S W Y V R T G L G N S D C C F S F F E S N D N P P G S Y L R H H Y
UniRef90_R8BNG6 S S S S A T T L K Q Q A S W T V R T G L A N S A C C Y S F F E S K D T P P G S Y L R H H Y
UniRef90_S9QLY6 N G S N G T L K Q D A T F K I V P G L A D A S C C Y S F F E P R N F P P G S Y L R H H Y
UniRef90_S9QLY6 N G S N G T L K Q D A T F K I V P G L A D A S C C Y S F F E P R N F P P G S Y L R H H Y
UniRef90_G2P3B3 S A S G D L L K Q D A T Y T V R P G P A N K L C C Y S F F E S R N Y P P G Q Y L R H H R
UniRef90_I0L752 A S S S A L L K N D A T Y T V R P G L A D G A C C Y S F F E S V N Y P P G Q Y L R H H Q
UniRef90_G2GDA2 G G S D A L L K N D A T W K I V P G L A E S S C C Y S F F E S R N Y P P G Q Y L R H H R
UniRef90_Q0US03 S S S S A L K Q A A S W T V R A G L A N G S C C I S F F E S R D T A G S F L R H H F
UniRef90_E3FQX9 N D G S A L F A Q D A T F C C G R A A L D G S G N F S L E S K N K P P G F Y L R H H R
UniRef90_E3FQX9 N D G S A L F A Q D A T F C C G R A A L D G S G N F S L E S K N K P P G F Y L R H H R
UniRef90_E3FQX9 N D G S A L F A Q D A T F C C G R A A L D G S G N F S L E S K N K P P G F Y L R H H R
UniRef90_N0CHB9 S G S P A V L K A D A T W K I V T G L A N G N C C Y S F F E S R N Y P P G E F L R H H R
UniRef90_U5VPQ0 G S S P T S D K Q D A T F W V R P G L S N S A C C Y S F F E S R N F P P G Q Y L R H H R
UniRef90_U5VPQ0 G S S P T S D K Q D A T F W V R P G L S N S A C C Y S F F E S R N F P P G Q Y L R H H R
UniRef90_E3QU61 S S S S T A L K Q Q A S W T V R T G L A N S D C C F S F F E S K D T P P G S Y L R H Q F
UniRef90_O74288 S S S S S T L K Q Q A S W T V R T G L A S T G C C V S F F E S V D T P P G S Y L R H H S
UniRef90_V6KNW8 A N S D S L L K Q Q A S W K I V P G L A G S G C C Y S F F E S R N Y P P G S Y L R H H S
UniRef90_K1XK88 S A S A T L L K Q Q A S W T V R K G L A N S G C C Y S F F E S R D T A G S F L R H H S
UniRef90_W5WCE4 G A S S P L D K Q Q A S F T V R P G L A N P D C C Y S L Q S V N F P P G A Y L R H H S
UniRef90_Q6RKQ1 S S S A T S L K Q Q A S W T V R T G L G N S C C Y S F F E S V D T P P G S Y L R H H Y
UniRef90_D6B5G5 Q E S D A T L K A D A T Y K V V P G L G D E N C C Y S L E S R N Y P P G E Y L R H H Y
UniRef90_C9SIB5 S S S A E T L R K Q A T W T V R T G L G N S G C C F S F F E S V S N P P G S Y L R H H Y
UniRef90_UPI000379F1D9 S G S S A T D K A D A T W I V R P G L A D S C C V S F F E S A N A A G S Y L R H H A
UniRef90_R4STQ1 E G S A D L G K K D A T F W A R Q G L A D A S C C L S F F E S R N Y P P G H F L R H H A
UniRef90_R4STQ1 E G S A D L G K K D A T F W A R Q G L A D A S C C L S F F E S R N Y P P G H F L R H H A
UniRef90_UPI00035FD2C0 S S S S S F F R V T T T P G R Y L R H H A
UniRef90_UPI00035FD2C0 S S S S S F F R V T T T P G R Y L R H H A
UniRef90_UPI00035FD2C0 S S S S S F F R V T T T P G R Y L R H H A
UniRef90_G3JH26 S S S S D L L K R Q S T W L V R A G L G S K D C F S F F E S T D T P G S Y L R H H Y
UniRef90_UPI000360CBCF A G S A D T L R L D A T F R V R A G L A D A S C C L S F F E S R N F A G H Y L R H H A
UniRef90_UPI000475C1B1 G D S S E T D R S A T W R F V P G L A D D Q C C L T L E S V D H P G E Y L R H H K
UniRef90_UPI0003754E99 S A S S A T D K A D A T W I V R A G L A N S C C L S F F E S A N A P G Q Y L R H H Y
UniRef90_C6WE77 V A T P P G R F L R H H Q
UniRef90_C6WE77 V A T P P G R F L R H H Q
UniRef90_C6WE77 V A T P P G R F L R H H Q
UniRef90_UPI000378A106 G G S P A L E K Q D A T W Q L V P G L A D P S C F S L R S V N Y P P G D Y L R H H R
UniRef90_UPI00035E16C2 A G S G D L L K Q D A T W K V V R G L G N P L C C Y S F F E S R N Y P P G E Y L R H H R
UniRef90_J4W2U5 W S S S D S L K R Q S T W I V R A G L G N Q A C C F S F F E S K D T P P G S Y L R H H Y
UniRef90_UPI00037642FC A A S P A D K G Q D A T W I V H A G L A N A N C C V S F F E S A N A S G Q Y L R H H Y
UniRef90_UPI0004411297 S G S D A T T R Q D A T F I A R A G F A D P T C C Y S F F E A S N F P G Q F L R H H S
UniRef90_UPI0004411297 S G S D A T T R Q D A T F I A R A G F A D P T C C Y S F F E A S N F P G Q F L R H H S
UniRef90_S9PFQ0 N Y T N R V L R H H Y
UniRef90_S9PFQ0 N Y T N R V L R H H Y
UniRef90_M3BPX2 S S S A S S V Q N A A K F V V R S P L A S T G C V S F F E S V D T P P G S F L R H H S
UniRef90_UPI0004696B21 T S S A S G D R D D A S F K V E P G R A D A S C C Y S F F E S R N F P P G S F L R H H Q
UniRef90_UPI0004412395 T S S S F K R T A T W C L R P G R T N S G V S F F E A L G L V G S F L R Q K
UniRef90_UPI0004412395 T S S S F K R T A T W C L R P G R T N S G V S F F E A L G L V G S F L R Q K
UniRef90_UPI0004412395 T S S S F K R T A T W C L R P G R T N S G V S F F E A L G L V G S F L R Q K
UniRef90_C5AH18 T E A V A A N K Q D G S W I V R A G L A D P S C Y S F F E S R D N P G A F M R H H Y
UniRef90_UPI00036E6CBD S T S S G G D K N D A T W I V R S G L A N S A C C L S F F E S A A A P G Q Y L R H H A
UniRef90_E9EJ09 S S S G D Q L R R E A S W V R A G L G P G D C C L S F F E S V D A P P G S Y L R V S
UniRef90_F9FYR1 S S S D T A Q K K S S W I V R Q G L V T S G C C V S L E S V D T P P G S F I R Q N
UniRef90_M2ZVX6 S S S P N Q G A A Q W I V R A G L G N S A C C L S F F E S K D T P P G S F I R G V
UniRef90_Q08R12 P A S A D A P P G K A A L S W V P L R L N A Y Y S F T T P N Y T N R V L R H H Y
UniRef90_Q08R12 P A S A D A P P G K A A L S W V P L R L N A Y Y S F T T P N Y T N R V L R H H Y
UniRef90_B6QAF3 S S S S A S L R A Q A S W I V H T G L G N S L C Y S F F E S K D T P P G S Y L R H H S
UniRef90_UPI0004673805 S R S A A D R R A D A T W I V R R G L A D N A C C V S F F E S K G S P G D F L R H H Q
UniRef90_K4QY67 S S S P S A D K A D A T W I V R A G L A N T S C C L S F F E S A G R P P G Q F L R H H Y
UniRef90_UPI0003644193 A S S S A T D K Q D A T F V E T A G L A D A A C C V S F F E S I N R P P G S Y L R H H Q
UniRef90_L8AQS9 N E N N D L F R Q D A T F C P R N G L N S Q G G V S F F E S N N Y P P G H Y I R H H R
UniRef90_L8AQS9 N E N N D L F R Q D A T F C P R N G L N S Q G G V S F F E S N N Y P P G H Y I R H H R
UniRef90_C7Q614 S S S S A T D K A D A T W I V R A G L A D S S C C V S F F E S A N D S G Q F L R H H Y
UniRef90_M3FLJ6 S L L Q S V N F P G R Y A T V R Y
UniRef90_M3FLJ6 S L L Q S V N F P G R Y A T V R Y
UniRef90_D8I7C6 S A S A A T T K S A A T W L V R A G L A D T S C L T F E S A D Q P P G R Y L R H H Y
UniRef90_L7F0K3 S S S T T A L K Q A S T F T V V A G L A D G N G Y S F F R D S S G S G R Y L R H H W
UniRef90_B3DFA0 R F F E S V N Y P R R Y I R H H R

QUERY UniRef90_UPI00034692BF UniRef90_D3K3M6 UniRef90_S8B7P9 UniRef90_A0A016P898 UniRef90_G9NYH4 UniRef90_Q4WL66 UniRef90_B6HW29 UniRef90_T0KDL6 UniRef90_H2K1J5 UniRef90_S9R8F1 UniRef90_S9R8F1 UniRef90_S5NFW1 UniRef90_UPI000371D7C6 UniRef90_Q08WD5 UniRef90_Q08WD5 UniRef90_G2P472 UniRef90_G8SJ68 UniRef90_UPI00044174B5 UniRef90_M2UNP4 UniRef90_UPI00047EFCBA UniRef90_E3FL68 UniRef90_E3FL68 UniRef90_UPI0003A295D0 UniRef90_C7Z4C8 UniRef90_W9CI50 UniRef90_R8BNG6 UniRef90_S9QLY6 UniRef90_S9QLY6 UniRef90_G2P3B3 UniRef90_I0L752 UniRef90_G2GDA2 UniRef90_Q0US03 UniRef90_E3FQX9 UniRef90_E3FQX9 UniRef90_E3FQX9 UniRef90_NOCHB9 UniRef90_U5VPQ0 UniRef90_U5VPQ0 UniRef90_E3QU61 UniRef90_O74288 UniRef90_V6KXNW8 UniRef90_K1XK88 UniRef90_W5WCE4 UniRef90_Q6RKK1 UniRef90_D6B5G5 UniRef90_C9SIB5 UniRef90_UPI000379F1D9 UniRef90_R4STQ1 UniRef90_R4STQ1 UniRef90_UPI00035FD2C0 UniRef90_UPI00035FD2C0 UniRef90_UPI00035FD2C0 UniRef90_G3JH26 UniRef90_UPI000360CBCF UniRef90_UPI000475C1B1 UniRef90_UPI0003754E99 UniRef90_C6WE77 UniRef90_C6WE77 UniRef90_C6WE77 UniRef90_UPI000378A106 UniRef90_UPI00035E16C2 UniRef90_J4W2U5 UniRef90_UPI00037642FC UniRef90_UPI0004411297 UniRef90_UPI0004411297 UniRef90_S9PFQ0 UniRef90_S9PFQ0 UniRef90_M3BPX2 UniRef90_UPI0004696B21 UniRef90_UPI0004412395 UniRef90_UPI0004412395 UniRef90_UPI0004412395 UniRef90_C5AH18 UniRef90_UPI00036E6CBD UniRef90_E9EJ09 UniRef90_F9FYR1 UniRef90_M2ZWX6 UniRef90_Q08R12 UniRef90_Q08R12 UniRef90_B6QAF3 UniRef90_UPI0004673805 UniRef90_K4QY67 UniRef90_UPI0003644193 UniRef90_L8AQS9 UniRef90_L8AQS9 UniRef90_C7Q614 UniRef90_M3FLJ6 UniRef90_M3FLJ6 UniRef90_D8I7C6 UniRef90_L7F0K3 UniRef90_B3DFA0

N E S R V L L L N A N D D G T K Q F H E D A T T F C P Q A A G L L N G G T S L L R R S W S Y P
E S R Q L V L F L N A S N D D G S T K L F H E D A T T F C C P M A S G L L N G G Q Q G N D A L L R R S W S Y P
N S F A L V L F L N A S N D D G S T K K Q F S E D E D A T T F C C C T Q Q K G L N G G Q Q G N S F H L R R S W S Y P
U n i R e f 9 0 _ D 3 K 3 M 6
U n i R e f 9 0 _ S 8 B 7 P 9
U n i R e f 9 0 _ A 0 A 0 1 6 P 8 9 8
U n i R e f 9 0 _ G 9 N Y H 4
U n i R e f 9 0 _ Q 4 W L 6 6
U n i R e f 9 0 _ B 6 H W 2 9
U n i R e f 9 0 _ T 0 K D L 6
U n i R e f 9 0 _ H 2 K 1 J 5
U n i R e f 9 0 _ S 9 R 8 F 1
U n i R e f 9 0 _ S 9 R 8 F 1
U n i R e f 9 0 _ S 5 N F W 1
U n i R e f 9 0 _ U P I 0 0 0 3 7 1 D 7 C 6
U n i R e f 9 0 _ Q 0 8 W D 5
U n i R e f 9 0 _ Q 0 8 W D 5
U n i R e f 9 0 _ G 2 P 4 7 2
U n i R e f 9 0 _ G 8 S J 6 8
U n i R e f 9 0 _ U P I 0 0 0 4 4 1 7 4 B 5
U n i R e f 9 0 _ M 2 U N P 4
U n i R e f 9 0 _ U P I 0 0 0 4 7 E F C B A
U n i R e f 9 0 _ E 3 F L 6 8
U n i R e f 9 0 _ E 3 F L 6 8
U n i R e f 9 0 _ U P I 0 0 0 3 A 2 9 5 D 0
U n i R e f 9 0 _ C 7 Z 4 C 8
U n i R e f 9 0 _ W 9 C I 5 0
U n i R e f 9 0 _ R 8 B N G 6
U n i R e f 9 0 _ S 9 Q L Y 6
U n i R e f 9 0 _ S 9 Q L Y 6
U n i R e f 9 0 _ G 2 P 3 B 3
U n i R e f 9 0 _ I 0 L 7 5 2
U n i R e f 9 0 _ G 2 G D A 2
U n i R e f 9 0 _ Q 0 U S 0 3
U n i R e f 9 0 _ E 3 F Q X 9
U n i R e f 9 0 _ E 3 F Q X 9
U n i R e f 9 0 _ E 3 F Q X 9
U n i R e f 9 0 _ N O C H B 9
U n i R e f 9 0 _ U 5 V P Q 0
U n i R e f 9 0 _ U 5 V P Q 0
U n i R e f 9 0 _ E 3 Q U 6 1
U n i R e f 9 0 _ O 7 4 2 8 8
U n i R e f 9 0 _ V 6 K X N W 8
U n i R e f 9 0 _ K 1 X K 8 8
U n i R e f 9 0 _ W 5 W C E 4
U n i R e f 9 0 _ Q 6 R K K 1
U n i R e f 9 0 _ D 6 B 5 G 5
U n i R e f 9 0 _ C 9 S I B 5
U n i R e f 9 0 _ U P I 0 0 0 3 7 9 F 1 D 9
U n i R e f 9 0 _ R 4 S T Q 1
U n i R e f 9 0 _ R 4 S T Q 1
U n i R e f 9 0 _ U P I 0 0 0 3 5 F D 2 C 0
U n i R e f 9 0 _ U P I 0 0 0 3 5 F D 2 C 0
U n i R e f 9 0 _ U P I 0 0 0 3 5 F D 2 C 0
U n i R e f 9 0 _ G 3 J H 2 6
U n i R e f 9 0 _ U P I 0 0 0 3 6 0 C B C F
U n i R e f 9 0 _ U P I 0 0 0 4 7 5 C 1 B 1
U n i R e f 9 0 _ U P I 0 0 0 3 7 5 4 E 9 9
U n i R e f 9 0 _ C 6 W E 7 7
U n i R e f 9 0 _ C 6 W E 7 7
U n i R e f 9 0 _ C 6 W E 7 7
U n i R e f 9 0 _ U P I 0 0 0 3 7 8 A 1 0 6
U n i R e f 9 0 _ U P I 0 0 0 3 5 E 1 6 C 2
U n i R e f 9 0 _ J 4 W 2 U 5
U n i R e f 9 0 _ U P I 0 0 0 3 7 6 4 2 F C
U n i R e f 9 0 _ U P I 0 0 0 4 4 1 1 2 9 7
U n i R e f 9 0 _ U P I 0 0 0 4 4 1 1 2 9 7
U n i R e f 9 0 _ S 9 P F Q 0
U n i R e f 9 0 _ S 9 P F Q 0
U n i R e f 9 0 _ M 3 B P X 2
U n i R e f 9 0 _ U P I 0 0 0 4 6 9 6 B 2 1
U n i R e f 9 0 _ U P I 0 0 0 4 4 1 2 3 9 5
U n i R e f 9 0 _ U P I 0 0 0 4 4 1 2 3 9 5
U n i R e f 9 0 _ U P I 0 0 0 4 4 1 2 3 9 5
U n i R e f 9 0 _ C 5 A H 1 8
U n i R e f 9 0 _ U P I 0 0 0 3 6 E 6 C B D
U n i R e f 9 0 _ E 9 E J 0 9
U n i R e f 9 0 _ F 9 F Y R 1
U n i R e f 9 0 _ M 2 Z W X 6
U n i R e f 9 0 _ Q 0 8 R 1 2
U n i R e f 9 0 _ Q 0 8 R 1 2
U n i R e f 9 0 _ B 6 Q A F 3
U n i R e f 9 0 _ U P I 0 0 0 4 6 7 3 8 0 5
U n i R e f 9 0 _ K 4 Q Y 6 7
U n i R e f 9 0 _ U P I 0 0 0 3 6 4 4 1 9 3
U n i R e f 9 0 _ L 8 A Q S 9
U n i R e f 9 0 _ L 8 A Q S 9
U n i R e f 9 0 _ C 7 Q 6 1 4
U n i R e f 9 0 _ M 3 F L J 6
U n i R e f 9 0 _ M 3 F L J 6
U n i R e f 9 0 _ D 8 I 7 C 6
U n i R e f 9 0 _ L 7 F 0 K 3
U n i R e f 9 0 _ B 3 D F A 0

F E L L L N A N D D G T K Q F H E D A T T F C P Q A A G L L N G G T S L L R R S W S Y P
E S R Q L V L F L N A S N D D G S T K L F H E D A T T F C C P M A S G L L N G G Q Q G N D A L L R R S W S Y P
N S F A L V L F L N A S N D D G S T K K Q F S E D E D A T T F C C C T Q Q K G L N G G Q Q G N S F H L R R S W S Y P
U n i R e f 9 0 _ D 3 K 3 M 6
U n i R e f 9 0 _ S 8 B 7 P 9
U n i R e f 9 0 _ A 0 A 0 1 6 P 8 9 8
U n i R e f 9 0 _ G 9 N Y H 4
U n i R e f 9 0 _ Q 4 W L 6 6
U n i R e f 9 0 _ B 6 H W 2 9
U n i R e f 9 0 _ T 0 K D L 6
U n i R e f 9 0 _ H 2 K 1 J 5
U n i R e f 9 0 _ S 9 R 8 F 1
U n i R e f 9 0 _ S 9 R 8 F 1
U n i R e f 9 0 _ S 5 N F W 1
U n i R e f 9 0 _ U P I 0 0 0 3 7 1 D 7 C 6
U n i R e f 9 0 _ Q 0 8 W D 5
U n i R e f 9 0 _ Q 0 8 W D 5
U n i R e f 9 0 _ G 2 P 4 7 2
U n i R e f 9 0 _ G 8 S J 6 8
U n i R e f 9 0 _ U P I 0 0 0 4 4 1 7 4 B 5
U n i R e f 9 0 _ M 2 U N P 4
U n i R e f 9 0 _ U P I 0 0 0 4 7 E F C B A
U n i R e f 9 0 _ E 3 F L 6 8
U n i R e f 9 0 _ E 3 F L 6 8
U n i R e f 9 0 _ U P I 0 0 0 3 A 2 9 5 D 0
U n i R e f 9 0 _ C 7 Z 4 C 8
U n i R e f 9 0 _ W 9 C I 5 0
U n i R e f 9 0 _ R 8 B N G 6
U n i R e f 9 0 _ S 9 Q L Y 6
U n i R e f 9 0 _ S 9 Q L Y 6
U n i R e f 9 0 _ G 2 P 3 B 3
U n i R e f 9 0 _ I 0 L 7 5 2
U n i R e f 9 0 _ G 2 G D A 2
U n i R e f 9 0 _ Q 0 U S 0 3
U n i R e f 9 0 _ E 3 F Q X 9
U n i R e f 9 0 _ E 3 F Q X 9
U n i R e f 9 0 _ E 3 F Q X 9
U n i R e f 9 0 _ N O C H B 9
U n i R e f 9 0 _ U 5 V P Q 0
U n i R e f 9 0 _ U 5 V P Q 0
U n i R e f 9 0 _ E 3 Q U 6 1
U n i R e f 9 0 _ O 7 4 2 8 8
U n i R e f 9 0 _ V 6 K X N W 8
U n i R e f 9 0 _ K 1 X K 8 8
U n i R e f 9 0 _ W 5 W C E 4
U n i R e f 9 0 _ Q 6 R K K 1
U n i R e f 9 0 _ D 6 B 5 G 5
U n i R e f 9 0 _ C 9 S I B 5
U n i R e f 9 0 _ U P I 0 0 0 3 7 9 F 1 D 9
U n i R e f 9 0 _ R 4 S T Q 1
U n i R e f 9 0 _ R 4 S T Q 1
U n i R e f 9 0 _ U P I 0 0 0 3 5 F D 2 C 0
U n i R e f 9 0 _ U P I 0 0 0 3 5 F D 2 C 0
U n i R e f 9 0 _ U P I 0 0 0 3 5 F D 2 C 0
U n i R e f 9 0 _ G 3 J H 2 6
U n i R e f 9 0 _ U P I 0 0 0 3 6 0 C B C F
U n i R e f 9 0 _ U P I 0 0 0 4 7 5 C 1 B 1
U n i R e f 9 0 _ U P I 0 0 0 3 7 5 4 E 9 9
U n i R e f 9 0 _ C 6 W E 7 7
U n i R e f 9 0 _ C 6 W E 7 7
U n i R e f 9 0 _ C 6 W E 7 7
U n i R e f 9 0 _ U P I 0 0 0 3 7 8 A 1 0 6
U n i R e f 9 0 _ U P I 0 0 0 3 5 E 1 6 C 2
U n i R e f 9 0 _ J 4 W 2 U 5
U n i R e f 9 0 _ U P I 0 0 0 3 7 6 4 2 F C
U n i R e f 9 0 _ U P I 0 0 0 4 4 1 1 2 9 7
U n i R e f 9 0 _ U P I 0 0 0 4 4 1 1 2 9 7
U n i R e f 9 0 _ S 9 P F Q 0
U n i R e f 9 0 _ S 9 P F Q 0
U n i R e f 9 0 _ M 3 B P X 2
U n i R e f 9 0 _ U P I 0 0 0 4 6 9 6 B 2 1
U n i R e f 9 0 _ U P I 0 0 0 4 4 1 2 3 9 5
U n i R e f 9 0 _ U P I 0 0 0 4 4 1 2 3 9 5
U n i R e f 9 0 _ U P I 0 0 0 4 4 1 2 3 9 5
U n i R e f 9 0 _ C 5 A H 1 8
U n i R e f 9 0 _ U P I 0 0 0 3 6 E 6 C B D
U n i R e f 9 0 _ E 9 E J 0 9
U n i R e f 9 0 _ F 9 F Y R 1
U n i R e f 9 0 _ M 2 Z W X 6
U n i R e f 9 0 _ Q 0 8 R 1 2
U n i R e f 9 0 _ Q 0 8 R 1 2
U n i R e f 9 0 _ B 6 Q A F 3
U n i R e f 9 0 _ U P I 0 0 0 4 6 7 3 8 0 5
U n i R e f 9 0 _ K 4 Q Y 6 7
U n i R e f 9 0 _ U P I 0 0 0 3 6 4 4 1 9 3
U n i R e f 9 0 _ L 8 A Q S 9
U n i R e f 9 0 _ L 8 A Q S 9
U n i R e f 9 0 _ C 7 Q 6 1 4
U n i R e f 9 0 _ M 3 F L J 6
U n i R e f 9 0 _ M 3 F L J 6
U n i R e f 9 0 _ D 8 I 7 C 6
U n i R e f 9 0 _ L 7 F 0 K 3
U n i R e f 9 0 _ B 3 D F A 0

90 100 110 120

QUERY UniRef90_UPI00034692BF UniRef90_D3K3M6 UniRef90_S8B7P9 UniRef90_A0A016P898 UniRef90_G9NYH4 UniRef90_Q4WL66 UniRef90_B6HW29 UniRef90_T0KDL6 UniRef90_H2K1J5 UniRef90_S9R8F1 UniRef90_S9R8F1 UniRef90_S9NFW1 UniRef90_UPI000371D7C6 UniRef90_Q08WD5 UniRef90_Q08WD5 UniRef90_G2P472 UniRef90_G8SJ68 UniRef90_UPI00044174B5 UniRef90_M2UNP4 UniRef90_UPI00047EFCBA UniRef90_E3FL68 UniRef90_E3FL68 UniRef90_UPI0003A295D0 UniRef90_C7Z4C8 UniRef90_W9CI50 UniRef90_R8BNG6 UniRef90_S9QLY6 UniRef90_S9QLY6 UniRef90_G2P3B3 UniRef90_I0L752 UniRef90_G2GDA2 UniRef90_Q0US03 UniRef90_E3FQX9 UniRef90_E3FQX9 UniRef90_E3FQX9 UniRef90_N0CHB9 UniRef90_U5VPQ0 UniRef90_U5VPQ0 UniRef90_E3QU61 UniRef90_O74288 UniRef90_V6KNW8 UniRef90_K1XK88 UniRef90_W5WCE4 UniRef90_Q6RKQ1 UniRef90_D6B5G5 UniRef90_C9SIB5 UniRef90_UPI000379F1D9 UniRef90_R4STQ1 UniRef90_R4STQ1 UniRef90_UPI00035FD2C0 UniRef90_UPI00035FD2C0 UniRef90_UPI00035FD2C0 UniRef90_G3JH26 UniRef90_UPI000360CBCF UniRef90_UPI000475C1B1 UniRef90_UPI0003754E99 UniRef90_C6WE77 UniRef90_C6WE77 UniRef90_C6WE77 UniRef90_UPI000378A106 UniRef90_UPI00035E16C2 UniRef90_J4W2U5 UniRef90_UPI00037642FC UniRef90_UPI0004411297 UniRef90_UPI0004411297 UniRef90_S9PFQ0 UniRef90_S9PFQ0 UniRef90_M3BPX2 UniRef90_UPI0004696B21 UniRef90_UPI0004412395 UniRef90_UPI0004412395 UniRef90_UPI0004412395 UniRef90_C5AH18 UniRef90_UPI00036E6CBD UniRef90_E9EJ09 UniRef90_F9FYR1 UniRef90_M2ZWX6 UniRef90_Q08R12 UniRef90_Q08R12 UniRef90_B6QAF3 UniRef90_UPI0004673805 UniRef90_K4QY67 UniRef90_UPI0003644193 UniRef90_L8AQS9 UniRef90_L8AQS9 UniRef90_C7Q614 UniRef90_M3FLJ6 UniRef90_M3FLJ6 UniRef90_D8I7C6 UniRef90_L7F0K3 UniRef90_B3DFA0

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

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

| | |
|------------------------|-----|
| QUERY | A S |
| UniRef90_UPI00034692BF | A A |
| UniRef90_D3K3M6 | A |
| UniRef90_S8B7P9 | A |
| UniRef90_A0A016P898 | A |
| UniRef90_G9NYH4 | A |
| UniRef90_Q4WL66 | A |
| UniRef90_B6HW29 | A |
| UniRef90_T0KDL6 | A |
| UniRef90_H2K1J5 | A |
| UniRef90_S9R8F1 | |
| UniRef90_S9R8F1 | |
| UniRef90_S5NFW1 | A |
| UniRef90_UPI000371D7C6 | A |
| UniRef90_Q08WD5 | |
| UniRef90_Q08WD5 | |
| UniRef90_G2P472 | S |
| UniRef90_G8SJ68 | |
| UniRef90_UPI00044174B5 | A |
| UniRef90_M2UNP4 | A |
| UniRef90_UPI00047EFCBA | A |
| UniRef90_E3FL68 | |
| UniRef90_E3FL68 | |
| UniRef90_UPI0003A295D0 | S |
| UniRef90_C7Z4C8 | A |
| UniRef90_W9CI50 | A |
| UniRef90_R8BNG6 | A |
| UniRef90_S9QLY6 | |
| UniRef90_S9QLY6 | |
| UniRef90_G2P3B3 | A |
| UniRef90_I0L752 | A |
| UniRef90_G2GDA2 | A |
| UniRef90_Q0US03 | A |
| UniRef90_E3FQX9 | A |
| UniRef90_E3FQX9 | A |
| UniRef90_E3FQX9 | A |
| UniRef90_N0CHB9 | A |
| UniRef90_U5VPQ0 | |
| UniRef90_U5VPQ0 | |
| UniRef90_E3QU61 | A |
| UniRef90_O74288 | A |
| UniRef90_V6KNW8 | A |
| UniRef90_K1XK88 | A |
| UniRef90_W5WCE4 | S A |
| UniRef90_Q6RKQ1 | A |
| UniRef90_D6B5G5 | A |
| UniRef90_C9SIB5 | S |
| UniRef90_UPI000379F1D9 | S |
| UniRef90_R4STQ1 | |
| UniRef90_R4STQ1 | |
| UniRef90_UPI00035FD2C0 | A A |
| UniRef90_UPI00035FD2C0 | A A |
| UniRef90_UPI00035FD2C0 | A A |
| UniRef90_G3JH26 | A |
| UniRef90_UPI000360CBCF | A |
| UniRef90_UPI000475C1B1 | S |
| UniRef90_UPI0003754E99 | S |
| UniRef90_C6WE77 | G A |
| UniRef90_C6WE77 | G A |
| UniRef90_C6WE77 | G A |
| UniRef90_UPI000378A106 | A |
| UniRef90_UPI00035E16C2 | A |
| UniRef90_J4W2U5 | A |
| UniRef90_UPI00037642FC | S |
| UniRef90_UPI0004411297 | A |
| UniRef90_UPI0004411297 | A |
| UniRef90_S9PFQ0 | S |
| UniRef90_S9PFQ0 | S |
| UniRef90_M3BPX2 | |
| UniRef90_UPI0004696B21 | A |
| UniRef90_UPI0004412395 | A |
| UniRef90_UPI0004412395 | A |
| UniRef90_UPI0004412395 | A |
| UniRef90_C5AH18 | A |
| UniRef90_UPI00036E6CBD | S |
| UniRef90_E9EJ09 | A |
| UniRef90_F9FYR1 | |
| UniRef90_M2ZWX6 | |
| UniRef90_Q08R12 | S |
| UniRef90_Q08R12 | S |
| UniRef90_B6QAF3 | A |
| UniRef90_UPI0004673805 | S |
| UniRef90_K4QY67 | S |
| UniRef90_UPI0003644193 | |
| UniRef90_L8AQS9 | |
| UniRef90_L8AQS9 | |
| UniRef90_C7Q6I4 | A |
| UniRef90_M3FLJ6 | A T |
| UniRef90_M3FLJ6 | A T |
| UniRef90_D8I7C6 | S |
| UniRef90_L7F0K3 | A |
| UniRef90_B3DFA0 | S S |

UniRef90_B3DFA0
UniRef90_B3DFA0
UniRef90_UPI000369CDEA
UniRef90_UPI000369CDEA
UniRef90_UPI000369CDEA
UniRef90_B5HRM8
UniRef90_B5HRM8
UniRef90_UPI000365FBDC
UniRef90_E6USN7
UniRef90_E6USN7
UniRef90_E6USN7
UniRef90_UPI00034A43F0
UniRef90_UPI00034A43F0
UniRef90_C9ZD59
UniRef90_C9ZD59
UniRef90_K7WGF6
UniRef90_W4V7N0
UniRef90_W4V7N0
UniRef90_W4V7N0
UniRef90_UPI00036775CB
UniRef90_UPI00036775CB
UniRef90_A3DBC8
UniRef90_A3DBC8
UniRef90_A3DBC8
UniRef90_G8LZ10
UniRef90_G8LZ10
UniRef90_N1Q1G5
UniRef90_K9QBL4
UniRef90_K9QBL4
UniRef90_M3FNW5
UniRef90_M3FNW5
UniRef90_M3FNW5
UniRef90_UPI0003A79AE6
UniRef90_UPI0003A79AE6
UniRef90_W7S7F7
UniRef90_W7S7F7
UniRef90_W7S7F7
UniRef90_UPI0002895CF1
UniRef90_M3DKV6
UniRef90_M3DKV6
UniRef90_M3DKV6
UniRef90_G8LV12
UniRef90_G8LV12
UniRef90_L8PQF5
UniRef90_L8PQF5
UniRef90_UPI000262D641
UniRef90_UPI000410C899
UniRef90_UPI000410C899
UniRef90_Q82P90
UniRef90_Q82P90
UniRef90_Q829S7
UniRef90_D9XAH4
UniRef90_D9XAH4
UniRef90_D9XAH4
UniRef90_A3DEX6
UniRef90_A3DEX6
UniRef90_UPI000362D16F
UniRef90_UPI000362D16F
UniRef90_K4QXC9
UniRef90_K4QXC9
UniRef90_C4RANH0
UniRef90_UPI000262EF48
UniRef90_UPI000262EF48
UniRef90_U5W7A5
UniRef90_U5W7A5
UniRef90_B5I4I8
UniRef90_B5I4I8
UniRef90_C9YUL1
UniRef90_C9YUL1
UniRef90_D7BUF0
UniRef90_D7BUF0
UniRef90_I0L767
UniRef90_I0L767
UniRef90_I0L767
UniRef90_UPI0003623031
UniRef90_UPI0001E2F094
UniRef90_UPI0001E2F094
UniRef90_M1VWD6
UniRef90_Q09B79
UniRef90_Q09B79
UniRef90_S4M6F2
UniRef90_S4M6F2
UniRef90_B5I421
UniRef90_B5I421
UniRef90_V9IRW6
UniRef90_V9IRW6
UniRef90_V9IRW6
UniRef90_L8PI04
UniRef90_L8PI04
UniRef90_F4FD16
UniRef90_F4FD16
UniRef90_F4FD16

1

10

20

30

40

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

G Q V Q S F R S Y N F P D R Y I R H R N L L G Y I E P I N

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

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

P K P P R S N G T S I R S V N Y P D R Y W R V R D G S V R L D Q I G

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

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

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

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

50

60

70

80

UniRef90_B3DFA0 R F E S V N N Y P R R Y I R H R R
UniRef90_B3DFA0 R F E S V N N Y P R R Y I R H R R
UniRef90_UPI000369CDEA S F S S L N N Y P D R Y I R H H Q
UniRef90_UPI000369CDEA S F S S L N N Y P D R Y I R H H Q
UniRef90_UPI000369CDEA S F S S L N N Y P D R Y I R H H Q
UniRef90_B5HRM8 V P G L S G F I R H A T V E T V P G L P A N A S R S L R S V N N Y P D R Y A V V R R
UniRef90_B5HRM8 V P G L S G F I R H A T V E T V P G L P A N A S R S L R S V N N Y P D R Y A V V R R
UniRef90_UPI000365FBDC S S S S S A A K S Q A S W I V R S G L A N G S C V S F E S K D T A G S Y L R H H Q
UniRef90_E6USN7 V V G L Q S S Y N Y P N R Y V R H H A
UniRef90_E6USN7 V V G L Q S S Y N Y P N R Y V R H H A
UniRef90_E6USN7 V V G L Q S S Y N Y P N R Y V R H H A
UniRef90_UPI00034A43F0 R L K S W N F P D R Y V R H H S
UniRef90_UPI00034A43F0 R L K S W N F P D R Y V R H H S
UniRef90_C9ZD59 S L Q S V N F T G R Y A V A R R
UniRef90_C9ZD59 S L Q S V N F T G R Y A V A R R
UniRef90_K7WGF6 N E L G R K D A S F K I V R G L A N S K C S S F E S V N F P G H F L R H H E
UniRef90_W4V7N0 L Q S S Y N Y P N M Y I R H H A
UniRef90_W4V7N0 L Q S S Y N Y P N M Y I R H H A
UniRef90_W4V7N0 L Q S S Y N Y P N M Y I R H H A
UniRef90_UPI00036775CB R L Q S S Y N F Q D R Y V R Q T
UniRef90_UPI00036775CB R L Q S S Y N F Q D R Y V R Q T
UniRef90_A3DBC8 F A T S V C Y S F Q S S Y N Y P N M Y I R H H A
UniRef90_A3DBC8 F A T S V C Y S F Q S S Y N Y P N M Y I R H H A
UniRef90_A3DBC8 F A T S V C Y S F Q S S Y N Y P N M Y I R H H A
UniRef90_G8LZ10 R I Q S S Y N Y P D R F V R H H I
UniRef90_G8LZ10 R I Q S S Y N Y P D R F V R H H I
UniRef90_N1Q1G5 S S S S A T Q A S A Q W N V R T G L G N S D C V S F E S K D T P N S Y I R H H N
UniRef90_K9QBL4 N Q Q L F K E D A T F C I V N G L N N T S T V S F E S F N L P G H Y I R H H K
UniRef90_K9QBL4 N Q Q L F K E D A T F C I V N G L N N T S T V S F E S F N L P G H Y I R H H K
UniRef90_M3FNW5 R L Q S S Y N F Q D R Y V R H T
UniRef90_M3FNW5 R L Q S S Y N F Q D R Y V R H T
UniRef90_M3FNW5 R L Q S S Y N F Q D R Y V R H T
UniRef90_UPI0003A79AE6 P A W R R L K S Y N F P D R Y V R H A
UniRef90_UPI0003A79AE6 P A W R R L K S Y N F P D R Y V R H A
UniRef90_W7S7F7 N D K S G L F A E D A T F C A T T G H N G Q G I S W Q A Y A Y E D H Y L R Q Y
UniRef90_W7S7F7 N D K S G L F A E D A T F C A T T G H N G Q G I S W Q A Y A Y E D H Y L R Q Y
UniRef90_W7S7F7 N D K S G L F A E D A T F C A T T G H N G Q G I S W Q A Y A Y E D H Y L R Q Y
UniRef90_UPI0002895CF1 G S S A T A D K Q A A T F T V V A G L A D S N G Y S L R D A S G K Y L R H W
UniRef90_M3DKV6 R L Q S S Y N F Q D R Y V R H T
UniRef90_M3DKV6 R L Q S S Y N F Q D R Y V R H T
UniRef90_M3DKV6 R L Q S S Y N F Q D R Y V R H T
UniRef90_G8LV12 S E T S K I R L Q S S Y N Y P S M Y I R H H N
UniRef90_G8LV12 S E T S K I R L Q S S Y N Y P S M Y I R H H N
UniRef90_L8PQF5 P I L A R N V T R S F R S A N Y S T R Y W Q V Q
UniRef90_L8PQF5 P I L A R N V T R S F R S A N Y S T R Y W Q V Q
UniRef90_UPI000262D641 S G S E Q R Q D A T F Q R V A G L A D P S C Y S F A T A D G R Y L R H H R
UniRef90_UPI000410C899 T S S M R L Q S F N F P D R R V R H H Y
UniRef90_UPI000410C899 T S S M R L Q S F N F P D R R V R H H Y
UniRef90_Q82P90 V R F S S Y N Y P D R Y I R H H W
UniRef90_Q82P90 V R F S S Y N Y P D R Y I R H H W
UniRef90_Q829S7 S G S S A T T R Q D A T F K L V K G L A D A S C Y S F A T A D G T Y L R H H S
UniRef90_D9XAH4 R L Q S S F N F Q D R Y V R H T
UniRef90_D9XAH4 R L Q S S F N F Q D R Y V R H T
UniRef90_D9XAH4 R L Q S S F N F Q D R Y V R H T
UniRef90_A3DEX6 F E S S N Y R G Y Y I R V K
UniRef90_A3DEX6 F E S S N Y R G Y Y I R V K
UniRef90_UPI000362D16F P S L A T G V T R S F R S A N Y T T R Y W Q E V
UniRef90_UPI000362D16F P S L A T G V T R S F R S A N Y T T R Y W Q E V
UniRef90_K4QXC9 T A L P S I S G T A R H F T V V P T L A R N V T R S F Q S A N Y P T R Y W Q Q Q
UniRef90_K4QXC9 T A L P S I S G T A R H F T V V P T L A R N V T R S F Q S A N Y P T R Y W Q Q Q
UniRef90_C4RNH0 T A S P A Q A R Q D A T L T V V A G L A D A N C V S L R T A D G R Y L R H H Y
UniRef90_UPI000262EF48 P A W N R L K S Y N H P D R Y V R H A
UniRef90_UPI000262EF48 P A W N R L K S Y N H P D R Y V R H A
UniRef90_U5W7A5 S L R S S N F P D R Y V R H R
UniRef90_U5W7A5 S L R S S N F P D R Y V R H R
UniRef90_B5I418 R F Q S S Y N F Q D R Y V R Q T
UniRef90_B5I418 R F Q S S Y N F Q D R Y V R Q T
UniRef90_C9YUL1 R L Q S S F N F Q D R Y V R Q S
UniRef90_C9YUL1 R L Q S S F N F Q D R Y V R Q S
UniRef90_D7BUF0 R L V H V Y G S T Q W N R L K S F N F P G S Y V R H S
UniRef90_D7BUF0 R L V H V Y G S T Q W N R L K S F N F P G S Y V R H S
UniRef90_I0L767 R I Q S S Y N F Q D R Y V R H Y
UniRef90_I0L767 R I Q S S Y N F Q D R Y V R H Y
UniRef90_UPI0003623031 S A S P A Q T K L D A T F T I V N G L A S P A C Y S L Q T K S G L F L R H H R
UniRef90_UPI0001E2F094 R L E S H N Y R G Y Y I R H H Q
UniRef90_UPI0001E2F094 R L E S H N Y R G Y Y I R H H Q
UniRef90_M1VWD6 T Y N Q E P L K R R A R W T V R A G L A N S A C Y S F E S F D T P S G F L R H H Y
UniRef90_Q09B79 L A D G A T F R F K S Y N Q P S H V I R H H W
UniRef90_Q09B79 L A D G A T F R F K S Y N Q P S H V I R H H W
UniRef90_S4M6F2 R L Q S S F N F Q D R Y V R H A
UniRef90_S4M6F2 R L Q S S F N F Q D R Y V R H A
UniRef90_B5I421 V R L S S Y N Y P D R F I R H H W
UniRef90_B5I421 V R L S S Y N Y P D R F I R H H W
UniRef90_V9IRW6 Y R L Q S H N Y P D R Y I R H H S
UniRef90_V9IRW6 Y R L Q S H N Y P D R Y I R H H S
UniRef90_V9IRW6 Y R L Q S H N Y P D R Y I R H H S
UniRef90_L8PI04 I R L S S Y N F P D R F I R H H W
UniRef90_L8PI04 I R L S S Y N F P D R F I R H H W
UniRef90_F4FD16 H R I Q A Y T H Q D R Y V R H A
UniRef90_F4FD16 H R I Q A Y T H Q D R Y V R H A
UniRef90_F4FD16 H R I Q A Y T H Q D R Y V R H A

UniRef90_B3DFA0 N F Q G Y V E P I S 90 T N L L D E L D S S F R I R T G L D P N C C L S L F E S K N F P P
UniRef90_B3DFA0 N F Q G Y V E P I S 90 T N L L D E L D S S F R I R T G L D P N C C L S L F E S K N F P P
UniRef90_UPI000369CDEA S F L G Y I A P I V A S S D D L G R R E E D D A T F R L I P P G L A G R C C C R S S L F F E S S V N N Y P P
UniRef90_UPI000369CDEA S F L G Y I A P I V A S S D D L G R R E E D D A T F R L I P P G L A G R C C C R S S L F F E S S V N N Y P P
UniRef90_UPI000369CDEA S F L G Y I A P I V A S S D D L G R R E E D D A T F R L I P P G L A G R C C C R S S L F F E S S V N N Y P P
UniRef90_B5HRM8 T D S L G Y I D D P V V G T S A V K Q S A T F T V V V P P G L D A N C C C O Y S S F F R R D S S S
UniRef90_B5HRM8 T D S L G Y I D D P V V G T S A V K Q S A T F T V V V P P G L D A N C C C O Y S S F F R R D S S S
UniRef90_UPI000365FBDC N Y Q L Y L H A N D G S S L F A N D A T F C P Q A G M N G Q G N S S Y M S N N Y S S
UniRef90_E6USN7 D F D A R I D E N V T T P L L E D S Q W R L V P P G L S E G Y V V S I I Q Q S V N N Y P P
UniRef90_E6USN7 D F D A R I D E N V T T P L L E D S Q W R L V P P G L S E G Y V V S I I Q Q S V N N Y P P
UniRef90_E6USN7 D F D A R I D E N V T T P L L E D S Q W R L V P P G L S E G Y V V S I I Q Q S V N N Y P P
UniRef90_UPI00034A43F0 N Y Q G R I D D P L P F D D P Q Q A D S Q W R L V P P G L D P N A V S S F F E S S V N I I
UniRef90_UPI00034A43F0 N Y Q G R I D D P L P F D D P Q Q A D S Q W R L V P P G L D P N A V S S F F E S S V N I I
UniRef90_C9ZD59 S D N L Y V D P S S S S T T T A V K Q S A T F T V V V P P G L D A N C C O Y S S F F R T T S T
UniRef90_C9ZD59 S D N L Y V D P S S S S T T T A V K Q S A T F T V V V P P G L D A N C C O Y S S F F R T T S T
UniRef90_K7WGF6 N F R L L L R M I N S N Q Q L F R E D S A T F C I K G G L D F G D D W T L I Q Q S V N N Y P P
UniRef90_W4V7N0 N F D A R I D E N V T T P E T D S E W E L V P P G L A N G Y V V S I I Q Q S V N N Y P P
UniRef90_W4V7N0 N F D A R I D E N V T T P E T D S E W E L V P P G L A N G Y V V S I I Q Q S V N N Y P P
UniRef90_W4V7N0 N F D A R I D E N V T T P E T D S E W E L V P P G L A N G Y V V S I I Q Q S V N N Y P P
UniRef90_UPI00036775CB D F D V R I D P N V S P V E M E D S Q F R I R P P G L A G T G V V S S F F E S S V N N P P
UniRef90_UPI00036775CB D F D V R I D P N V S P V E M E D S Q F R I R P P G L A G T G V V S S F F E S S V N N P P
UniRef90_A3DBC8 N F D A R I D E N V T T P E M E D S Q W E L V P P G L G D G Y V V S I I Q Q S V N N Y P P
UniRef90_A3DBC8 N F D A R I D E N V T T P E M E D S Q W E L V P P G L G D G Y V V S I I Q Q S V N N Y P P
UniRef90_A3DBC8 N F D A R I D E N V T T P E M E D S Q W E L V P P G L G D G Y V V S I I Q Q S V N N Y P P
UniRef90_G8LZ10 N F D V R I D S D I L N P F F A D S M W K I V P P G L A S G Y V S S F F E A V N N Y P P
UniRef90_G8LZ10 N F D V R I D S D I L N P F F A D S M W K I V P P G L A S G Y V S S F F E A V N N Y P P
UniRef90_N1Q1G5 A F V L Y L Q P S D G G R K Q F N E D A T F C P Q R T G L Q G S D S S I R A W G Y P
UniRef90_K9QBL4 N F E L W V E A A D G G R D I L F R R Q D A T F Y R T N P L Y P
UniRef90_K9QBL4 N F E L W V E A A D G G R D I L F R R Q D A T F Y R T N P L Y P
UniRef90_M3FNW5 N L D V R I D P N V S P A Q D S Q F R M R T G L A G S G V S F F E S S V N F P P
UniRef90_M3FNW5 N L D V R I D P N V S P A Q D S Q F R M R T G L A G S G V S F F E S S V N F P P
UniRef90_M3FNW5 N L D V R I D P N V S P A Q D S Q F R M R T G L A G S G V S F F E S S V N F P P
UniRef90_UPI0003A79AE6 D S V G R I D P Y P F D P Y Q D Q L W K L V P P G L D A A G V S F F E S S V N Y P
UniRef90_UPI0003A79AE6 D S V G R I D P Y P F D P Y Q D Q L W K L V P P G L D A A G V S F F E S S V N Y P
UniRef90_W7S7F7 A G N V Y I G A D D A A S G W A D D T S W Q R A A P W A G
UniRef90_W7S7F7 A G N V Y I G A D D A A S G W A D D T S W Q R A A P W A G
UniRef90_W7S7F7 A G N V Y I G A D D A A S G W A D D T S W Q R A A P W A G
UniRef90_UPI0002895CF1 D F R G R F D T N D G T S T F A R D A T F V A R T G S T S G A V R F F E S S Y N Y P
UniRef90_M3DKV6 N F D V R I D D P T V S P V V D D S Q F R M R T G L A G T G V V S F F E S S V N F P P
UniRef90_M3DKV6 N F D V R I D D P T V S P V V D D S Q F R M R T G L A G T G V V S F F E S S V N F P P
UniRef90_M3DKV6 N F D V R I D D P T V S P V V D D S Q F R M R T G L A G T G V V S F F E S S V N F P P
UniRef90_G8LV12 N F I A R I D E K V S P E E E D A Q W R L V K G L A N G Y V S I I E S S V N N Y P P
UniRef90_G8LV12 N F I A R I D E K V S P E E E D A Q W R L V K G L A N G Y V S I I E S S V N N Y P P
UniRef90_L8PQF5 S S L L N L P V V S G T S A E K Q A S T F T V V A G L D A N G Y S S F F R D A S
UniRef90_L8PQF5 S S L L N L P V V S G T S A E K Q A S T F T V V A G L D A N G Y S S F F R D A S
UniRef90_UPI000262D641 S F V L V K D G N D S G S A L F R K K D A T F C P R P A S H P A G V M L S S V N N Y P
UniRef90_UPI000410C899 D F D L L L E P N I T P E Q D G R F R M V P P G L D P D G I S S F F E S S V N N Y P
UniRef90_UPI000410C899 D F D L L L E P N I T P E Q D G R F R M V P P G L D P D G I S S F F E S S V N N Y P
UniRef90_Q82P90 D F R A R I E A N V T N L A D S Q F R V V T G L A G S G I S S L E S S A N Y P P
UniRef90_Q82P90 D F R A R I E A N V T N L A D S Q F R V V T G L A G S G I S S L E S S A N Y P P
UniRef90_Q829S7 R F R L R A D R N D G T A L F K K D A T F C P R T S S Y S G A V M L S S V N N Y P
UniRef90_D9XAH4 N L D V R I D P N V S P A D D S R F R L R P P G L A G S G V S F F E S S V N N Y P
UniRef90_D9XAH4 N L D V R I D P N V S P A D D S R F R L R P P G L A G S G V S F F E S S V N N Y P
UniRef90_D9XAH4 N L D V R I D P N V S P A D D S R F R L R P P G L A G S G V S F F E S S V N N Y P
UniRef90_A3DEX6 S F S G R I D P Y V N P V E D S M F K I V P P G L D P S C C I L S S F F E S S K T Y P
UniRef90_A3DEX6 S F S G R I D P Y V N P V E D S M F K I V P P G L D P S C C I L S S F F E S S K T Y P
UniRef90_UPI000362D16F S S L L N L V T S S S T T A L K Q A S T F T V V A G L D S T G F F S F R D S A
UniRef90_UPI000362D16F S S L L N L V T S S S T T A L K Q A S T F T V V A G L D S T G F F S F R D S A
UniRef90_K4QXC9 S S L L N L V T A S S T A E K Q A S S F T V T A G L D A N G H S F F R D A S
UniRef90_K4QXC9 S S L L N L V T A S S T A E K Q A S S F T V T A G L D A N G H S F F R D A S
UniRef90_C4RNH0 D F R L R A D V H D G S A I F G R D A T F C A R P G S V A G S V S L E S S Y N Y P
UniRef90_UPI000262EF48 G F A G R I D P Y P F D P Y T D A Q W K L V P P G L D A S G V S F F Q Q S V N N Y P
UniRef90_UPI000262EF48 G F A G R I D P Y P F D P Y T D A Q W K L V P P G L D A S G V S F F Q Q S V N N Y P
UniRef90_U5W7A5 N S L G Y V E V P G T A T D R L D A T F T I G A G L N G N C Y S L Q Q S V N N Y P A
UniRef90_U5W7A5 N S L G Y V E V P G T A T D R L D A T F T I G A G L N G N C Y S L Q Q S V N N Y P A
UniRef90_B5I418 D F D V R I D P N V S P V E D S Q F R L R P P G L A G T G V S F F E S S V N N Y P
UniRef90_B5I418 D F D V R I D P N V S P V E D S Q F R L R P P G L A G T G V S F F E S S V N N Y P
UniRef90_C9YUL1 D F D V R I D P D V S P A D D A Q F R M R P P G L A G T G V S F F E S S V R F P P
UniRef90_C9YUL1 D F D V R I D P D V S P A D D A Q F R M R P P G L A G T G V S F F E S S V R F P P
UniRef90_D7BUF0 G F V G R I D E L P F F E Y E D S Q W R L V P P G L D P A G V S F F E S S V N H P P
UniRef90_D7BUF0 G F V G R I D E L P F F E Y E D S Q W R L V P P G L D P A G V S F F E S S V N H P P
UniRef90_I0L767 D Y D V R I D P N V S P A Q D G Q W R V V P P G L A G S G V S I I Q Q S V N N Y P
UniRef90_I0L767 D Y D V R I D P N V S P A Q D G Q W R V V P P G L A G S G V S I I Q Q S V N N Y P
UniRef90_I0L767 D Y D V R I D P N V S P A Q D G Q W R V V P P G L A G S G V S I I Q Q S V N N Y P
UniRef90_UPI0003623031 S T R A R I S S Y V T P V E D S I F K M V P P G L D P N C L S S F F E S S K N N P
UniRef90_UPI0001E2F094 S T R A R I S S Y V T P V E D S I F K M V P P G L D P N C L S S F F E S S K N N P
UniRef90_UPI0001E2F094 S T R A R I S S Y V T P V E D S I F K M V P P G L D P N C L S S F F E S S K N N P
UniRef90_M1VVD6 E F R G V L R E T N D G S K Q F G E D A T F C T S A G L N G Q G N S I R S W N N Y P
UniRef90_Q09B79 E F R G K L E T N V T N L A D S Q F R L V P P G L A S G A V S F F E S S A N Y P
UniRef90_Q09B79 E F R G K L E T N V T N L A D S Q F R L V P P G L A S G A V S F F E S S A N Y P
UniRef90_S4M6F2 N F D V R I D Q N V T G P D A D A Q F R L R P P G L A G S G V S F F E S S V N F P P
UniRef90_S4M6F2 N F D V R I D Q N V T G P D A D A Q F R L R P P G L A G S G V S F F E S S V N F P P
UniRef90_B5I421 E Y R A K L E G N V A N L A D S Q F R I V T G L T G S G V S L E S S A N F P P
UniRef90_B5I421 E Y R A K L E G N V A N L A D S Q F R I V T G L T G S G V S L E S S A N F P P
UniRef90_V9IRW6 G E T M R I D A N V A P L L E D S Q Y R I V P P G L D P K A V S F F E S S V N N Q P P
UniRef90_V9IRW6 G E T M R I D A N V A P L L E D S Q Y R I V P P G L D P K A V S F F E S S V N N Q P P
UniRef90_V9IRW6 G E T M R I D A N V A P L L E D S Q Y R I V P P G L D P K A V S F F E S S V N N Q P P
UniRef90_L8PI04 E Y R A K L E P N V S P L A D S Q F R V V A G L A G T G V S L E S S A N F P P
UniRef90_L8PI04 E Y R A K L E P N V S P L A D S Q F R V V A G L A G T G V S L E S S A N F P P
UniRef90_F4FD16 N Y D V R I D A N V N N P A Q D A Q F R V V P P G L N S G Y V S F F E S S V N N Y P
UniRef90_F4FD16 N Y D V R I D A N V N N P A Q D A Q F R V V P P G L N S G Y V S F F E S S V N N Y P
UniRef90_F4FD16 N Y D V R I D A N V N N P A Q D A Q F R V V P P G L N S G Y V S F F E S S V N N Y P

| | |
|------------------------|-----|
| UniRef90_B3DFA0 | S S |
| UniRef90_B3DFA0 | S S |
| UniRef90_UPI000369CDEA | A N |
| UniRef90_UPI000369CDEA | A N |
| UniRef90_UPI000369CDEA | A N |
| UniRef90_B5HRM8 | A S |
| UniRef90_B5HRM8 | A S |
| UniRef90_UPI000365FBDC | |
| UniRef90_E6USN7 | A |
| UniRef90_E6USN7 | A |
| UniRef90_E6USN7 | A |
| UniRef90_UPI00034A43F0 | A N |
| UniRef90_UPI00034A43F0 | A N |
| UniRef90_C9ZD59 | A S |
| UniRef90_C9ZD59 | A S |
| UniRef90_K7WGF6 | |
| UniRef90_W4V7N0 | A |
| UniRef90_W4V7N0 | A |
| UniRef90_W4V7N0 | A |
| UniRef90_UPI00036775CB | A |
| UniRef90_UPI00036775CB | A |
| UniRef90_A3DBC8 | A |
| UniRef90_A3DBC8 | A |
| UniRef90_A3DBC8 | A |
| UniRef90_G8LZIO | |
| UniRef90_G8LZIO | |
| UniRef90_N1Q1G5 | |
| UniRef90_K9QBL4 | |
| UniRef90_K9QBL4 | |
| UniRef90_M3FNW5 | A |
| UniRef90_M3FNW5 | A |
| UniRef90_M3FNW5 | A |
| UniRef90_UPI0003A79AE6 | A |
| UniRef90_UPI0003A79AE6 | A |
| UniRef90_W7S7F7 | |
| UniRef90_W7S7F7 | |
| UniRef90_W7S7F7 | |
| UniRef90_UPI0002895CF1 | |
| UniRef90_M3DKV6 | A |
| UniRef90_M3DKV6 | A |
| UniRef90_M3DKV6 | A |
| UniRef90_G8LV12 | A |
| UniRef90_G8LV12 | A |
| UniRef90_L8PQF5 | S S |
| UniRef90_L8PQF5 | S S |
| UniRef90_UPI000262D641 | |
| UniRef90_UPI000410C899 | A |
| UniRef90_UPI000410C899 | A |
| UniRef90_Q82P90 | A |
| UniRef90_Q82P90 | A |
| UniRef90_Q829S7 | |
| UniRef90_D9XAH4 | A |
| UniRef90_D9XAH4 | A |
| UniRef90_D9XAH4 | A |
| UniRef90_A3DEX6 | A |
| UniRef90_A3DEX6 | A |
| UniRef90_UPI000362D16F | A T |
| UniRef90_UPI000362D16F | A T |
| UniRef90_K4QXC9 | A T |
| UniRef90_K4QXC9 | A T |
| UniRef90_C4RNH0 | A |
| UniRef90_UPI000262EF48 | A |
| UniRef90_UPI000262EF48 | A |
| UniRef90_U5W7A5 | S |
| UniRef90_U5W7A5 | S |
| UniRef90_B5I4I8 | A |
| UniRef90_B5I4I8 | A |
| UniRef90_C9YUL1 | A |
| UniRef90_C9YUL1 | A |
| UniRef90_D7BUF0 | A N |
| UniRef90_D7BUF0 | A N |
| UniRef90_I0L767 | A N |
| UniRef90_I0L767 | A N |
| UniRef90_I0L767 | A N |
| UniRef90_UPI0003623031 | |
| UniRef90_UPI0001E2F094 | A |
| UniRef90_UPI0001E2F094 | A |
| UniRef90_M1VWD6 | |
| UniRef90_Q09B79 | A |
| UniRef90_Q09B79 | A |
| UniRef90_S4M6F2 | A |
| UniRef90_S4M6F2 | A |
| UniRef90_B5I421 | A |
| UniRef90_B5I421 | A |
| UniRef90_V9IRW6 | A |
| UniRef90_V9IRW6 | A |
| UniRef90_V9IRW6 | A |
| UniRef90_L8PI04 | S |
| UniRef90_L8PI04 | S |
| UniRef90_F4FD16 | G N |
| UniRef90_F4FD16 | G N |
| UniRef90_F4FD16 | G N |

UniRef90_B5HUL3
UniRef90_B5HUL3
UniRef90_UPI000367BE19
UniRef90_UPI000367BE19
UniRef90_D9T7Y0
UniRef90_D9T7Y0
UniRef90_UPI000371D078
UniRef90_UPI000371D078
UniRef90_UPI000371D078
UniRef90_I0H4T0
UniRef90_I0H4T0
UniRef90_L2G2C9
UniRef90_E6UVC2
UniRef90_E6UVC2
UniRef90_L8P7C1
UniRef90_J9J9G8
UniRef90_J9J9G8
UniRef90_I1GE76
UniRef90_I1GE76

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

UniRef90_UPI00035D7C08
UniRef90_UPI00035D7C08
UniRef90_UPI00035D7C08
UniRef90_A3DHB3
UniRef90_A3DHB3
UniRef90_S4MKG3
UniRef90_S4MKG3
UniRef90_C9Z3D5
UniRef90_C9Z3D5
UniRef90_C9Z3D5
UniRef90_B5I6L6
UniRef90_B5I6L6

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

UniRef90_UPI000364A38A
UniRef90_UPI00047E7416
UniRef90_UPI00047E7416
UniRef90_UPI00036E0430
UniRef90_J9INS5
UniRef90_J9INS5

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

UniRef90_UPI0003A8782A
UniRef90_UPI00037E8F3A
UniRef90_UPI00034A77CB
UniRef90_UPI00034A77CB
UniRef90_UPI00034A77CB
UniRef90_UPI000376E43A
UniRef90_UPI000376E43A

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

UniRef90_D9XKW0
UniRef90_D9XKW0
UniRef90_G4N4N4
UniRef90_V9IRT0
UniRef90_V9IRT0
UniRef90_V9IRT0
UniRef90_S4Y892
UniRef90_S4Y892
UniRef90_G8S9Z6
UniRef90_G8S9Z6
UniRef90_G8S9Z6
UniRef90_C9YUL2

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

UniRef90_UPI000366FC5D
UniRef90_UPI000366FC5D
UniRef90_K4QT96
UniRef90_K4QT96
UniRef90_K4QT96
UniRef90_J9J982
UniRef90_J9J982
UniRef90_J9HR91
UniRef90_S5VK34
UniRef90_F4F996
UniRef90_F4F996

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

UniRef90_S4MMI0
UniRef90_I0H6C9
UniRef90_U5VW94
UniRef90_L7F348
UniRef90_L7F348
UniRef90_L1KVf3
UniRef90_Q82P18
UniRef90_Q82P18

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

UniRef90_UPI0003C73EC6
UniRef90_UPI0003C73EC6
UniRef90_UPI0003C73EC6
UniRef90_C6WFI4
UniRef90_C6WFI4
UniRef90_UPI00037E4681
UniRef90_M3F155
UniRef90_R4SY78
UniRef90_UPI000360CB00
UniRef90_F2RHT7
UniRef90_UPI000287F573
UniRef90_S9NYB9
UniRef90_S9NYB9
UniRef90_D9VMH3
UniRef90_D9VMH3
UniRef90_D9VMH3
UniRef90_B5HUT1

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

UniRef90_B5HUL3
UniRef90_B5HUL3
UniRef90_UPI000367BE19
UniRef90_UPI000367BE19
UniRef90_D9T7Y0
UniRef90_D9T7Y0
UniRef90_UPI000371D078
UniRef90_UPI000371D078
UniRef90_UPI000371D078
UniRef90_I0H4T0
UniRef90_I0H4T0
UniRef90_I0H4T0
UniRef90_L2G2C9
UniRef90_E6UVC2
UniRef90_E6UVC2
UniRef90_L8P7C1
UniRef90_J9J9G8
UniRef90_J9J9G8
UniRef90_J9J9G8
UniRef90_I1GE76
UniRef90_I1GE76
UniRef90_UPI00035D7C08
UniRef90_UPI00035D7C08
UniRef90_UPI00035D7C08
UniRef90_A3DHB3
UniRef90_A3DHB3
UniRef90_S4MKG3
UniRef90_S4MKG3
UniRef90_C9Z3D5
UniRef90_C9Z3D5
UniRef90_C9Z3D5
UniRef90_B5I6L6
UniRef90_B5I6L6
UniRef90_UPI000364A38A
UniRef90_UPI00047E7416
UniRef90_UPI00047E7416
UniRef90_UPI00036E0430
UniRef90_J9INS5
UniRef90_J9INS5
UniRef90_UPI0003A8782A
UniRef90_UPI00037E8F3A
UniRef90_UPI00034A77CB
UniRef90_UPI00034A77CB
UniRef90_UPI00034A77CB
UniRef90_UPI00034A77CB
UniRef90_UPI000376E43A
UniRef90_UPI000376E43A
UniRef90_D9XKW0
UniRef90_D9XKW0
UniRef90_G4N4N4
UniRef90_V9IRT0
UniRef90_V9IRT0
UniRef90_V9IRT0
UniRef90_S4Y892
UniRef90_S4Y892
UniRef90_G8S9Z6
UniRef90_G8S9Z6
UniRef90_G8S9Z6
UniRef90_C9YUL2
UniRef90_UPI000366FC5D
UniRef90_UPI000366FC5D
UniRef90_K4QT96
UniRef90_K4QT96
UniRef90_K4QT96
UniRef90_J9J982
UniRef90_J9J982
UniRef90_J9J982
UniRef90_J9HR91
UniRef90_S5VK34
UniRef90_F4F996
UniRef90_F4F996
UniRef90_S4MMI0
UniRef90_I0H6C9
UniRef90_U5VW94
UniRef90_L7F348
UniRef90_L7F348
UniRef90_L1KVf3
UniRef90_Q82P18
UniRef90_Q82P18
UniRef90_UPI0003C73EC6
UniRef90_UPI0003C73EC6
UniRef90_UPI0003C73EC6
UniRef90_C6WFI4
UniRef90_C6WFI4
UniRef90_UPI00037E4681
UniRef90_M3F155
UniRef90_R4SY78
UniRef90_UPI000360CB00
UniRef90_F2RHT7
UniRef90_UPI000287F573
UniRef90_S9NYB9
UniRef90_S9NYB9
UniRef90_D9VMH3
UniRef90_D9VMH3
UniRef90_D9VMH3
UniRef90_B5HUT1

50 60 70 80

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

S S S A T A L K Q Q A S W T V

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

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

G K P A W N R L K S Y N F P D R Y W R Q V
G K P A W N R L K S Y N F P D R Y W R Q V
G K P A W N R L K S Y N F P D R Y W R Q V
P A W N R L K S Y N Y P A R Y V R H S
P A W N R L K S Y N Y P A R Y V R H S

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

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

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

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

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

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

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

V R F S S F N Y P D R Y I R H W
V R F S S F N Y P D R Y I R H W

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

P S W N R L K S S N F P D R F V R H H Q
P S W N R L K S S N F P D R F V R H H Q

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

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

P A W N R L K S Y N Y P A R Y V R H T

UniRef90_B5HUL3
UniRef90_B5HUL3
UniRef90_UPI000367BE19
UniRef90_UPI000367BE19
UniRef90_D9T7Y0
UniRef90_D9T7Y0
UniRef90_UPI000371D078
UniRef90_UPI000371D078
UniRef90_UPI000371D078
UniRef90_UPI000371D078
UniRef90_I0H4T0
UniRef90_I0H4T0
UniRef90_L2G2C9
UniRef90_E6UVC2
UniRef90_E6UVC2
UniRef90_L8P7C1
UniRef90_J9J9G8
UniRef90_J9J9G8
UniRef90_I1GE76
UniRef90_I1GE76
UniRef90_UPI00035D7C08
UniRef90_UPI00035D7C08
UniRef90_UPI00035D7C08
UniRef90_A3DHB3
UniRef90_A3DHB3
UniRef90_S4MKG3
UniRef90_S4MKG3
UniRef90_C9Z3D5
UniRef90_C9Z3D5
UniRef90_C9Z3D5
UniRef90_B5I6L6
UniRef90_B5I6L6
UniRef90_UPI000364A38A
UniRef90_UPI00047E7416
UniRef90_UPI00047E7416
UniRef90_UPI00036E0430
UniRef90_J9INS5
UniRef90_J9INS5
UniRef90_UPI0003A8782A
UniRef90_UPI00037E8F3A
UniRef90_UPI00034A77CB
UniRef90_UPI00034A77CB
UniRef90_UPI00034A77CB
UniRef90_UPI00034A77CB
UniRef90_UPI000376E43A
UniRef90_UPI000376E43A
UniRef90_D9XKW0
UniRef90_D9XKW0
UniRef90_G4N4N4
UniRef90_V9IRT0
UniRef90_V9IRT0
UniRef90_V9IRT0
UniRef90_S4Y892
UniRef90_S4Y892
UniRef90_G8S9Z6
UniRef90_G8S9Z6
UniRef90_G8S9Z6
UniRef90_C9YUL2
UniRef90_UPI000366FC5D
UniRef90_UPI000366FC5D
UniRef90_K4QT96
UniRef90_K4QT96
UniRef90_K4QT96
UniRef90_J9J982
UniRef90_J9J982
UniRef90_J9HR91
UniRef90_S5VK34
UniRef90_F4F996
UniRef90_F4F996
UniRef90_S4MMI0
UniRef90_I0H6C9
UniRef90_U5VW94
UniRef90_L7F348
UniRef90_L7F348
UniRef90_L1KVf3
UniRef90_Q82P18
UniRef90_Q82P18
UniRef90_UPI0003C73EC6
UniRef90_UPI0003C73EC6
UniRef90_UPI0003C73EC6
UniRef90_C6WFI4
UniRef90_C6WFI4
UniRef90_UPI00037E4681
UniRef90_M3F155
UniRef90_R4SY78
UniRef90_UPI000360CB00
UniRef90_F2RHT7
UniRef90_UPI000287F573
UniRef90_S9NYB9
UniRef90_S9NYB9
UniRef90_D9VMH3
UniRef90_D9VMH3
UniRef90_D9VMH3
UniRef90_B5HUT1

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

90

100

110

120

UniRef90_B5HUL3 G Y F L R R H S A F D F Q L V Y N D G 130 140 150 160
UniRef90_B5HUL3 G Y F L R R H S A F D F Q L V Y N D G
UniRef90_UPI000367BE19 G Y F L R R H A N Y D F Q L V R N D G G
UniRef90_UPI000367BE19 G Y F L R R H A N Y D F Q L V R N D G G
UniRef90_D9T7Y0 G N Y L R R H Y D Y A V R L D P N D G G
UniRef90_D9T7Y0 G N Y L R R H Y D Y A V R L D P N D G G
UniRef90_UPI000371D078 G R Y L R R H Y N Y E I R L E A S D G G
UniRef90_UPI000371D078 G R Y L R R H Y N Y E I R L E A S D G G
UniRef90_UPI000371D078 G R Y L R R H Y N Y E I R L E A S D G G
UniRef90_UPI000371D078 G R Y L R R H Y N Y E I R L E A S D G G
UniRef90_I0H4T0 G R F L R R H S D Y A I R L D A S D G G
UniRef90_I0H4T0 G R F L R R H S D Y A I R L D A S D G G
UniRef90_L2G2C9 T R Y F R R H Y N N V G Y A A S N G G S V H T F D S A T S F N A D D A S F V V V A S S F
UniRef90_E6UVC2 G Y Y L R R H K N F V F E L A P Y D G S P Q F A A D A T F K Q V P G L
UniRef90_E6UVC2 G Y Y L R R H K N F V F E L A P Y D G S P Q F A A D A T F K Q V P G L
UniRef90_L8P7C1 G R F L R R H Q N Y Q L K L D P F Q S S L Y L A D S A F Q L V G G L
UniRef90_J9J9G8 D H Y I R R H H D Y R L S I W R V E N E V P P Y Y Q D T C F V Q V P G L
UniRef90_J9J9G8 D H Y I R R H H D Y R L S I W R V E N E V P P Y Y Q D T C F V Q V P G L
UniRef90_J9J9G8 G H Y I R R H S G Y L C Y I H K S D G S T L F K K D V S W I P V P G L
UniRef90_I1GE76 G H Y I R R H S G Y L C Y I H K S D G S T L F K K D V S W I P V P G L
UniRef90_I1GE76 G H Y I R R H S G Y L C Y I H K S D G S T L F K K D V S W I P V P G L
UniRef90_UPI00035D7C08 T R Y L R R H S Y F Q L R L D A N D G T A K
UniRef90_UPI00035D7C08 T R Y L R R H S Y F Q L R L D A N D G T A K
UniRef90_UPI00035D7C08 T R Y L R R H S Y F Q L R L D A N D G T A K
UniRef90_UPI00035D7C08 T R Y L R R H S Y F Q L R L D A N D G T A K
UniRef90_A3DHB3 G Y Y L R R H W N Y D F R L E K N D G T R I
UniRef90_A3DHB3 G Y Y L R R H W N Y D F R L E K N D G T R I
UniRef90_A3DHB3 G Y Y L R R H W N Y D F R L E K N D G T R I
UniRef90_S4MKG3 G Y Y L R R H K N F E V W L E K N D G G S A Q F A S D A T F H R R A G L
UniRef90_S4MKG3 G Y Y L R R H K N F E V W L E K N D G G S A Q F A S D A T F H R R A G L
UniRef90_S4MKG3 G Y Y L R R H K N F E V W L E K N D G G S A Q F A S D A T F H R R A G L
UniRef90_C9Z3D5 T R Y L R R H A Y Y Q L R L D A N D G G T T L F A Q D A T F H R T A G L
UniRef90_C9Z3D5 T R Y L R R H A Y Y Q L R L D A N D G G T T L F A Q D A T F H R T A G L
UniRef90_C9Z3D5 T R Y L R R H A Y Y Q L R L D A N D G G T T L F A Q D A T F H R T A G L
UniRef90_C9Z3D5 T R Y L R R H A Y Y Q L R L D A N D G G T T L F A Q D A T F H R T A G L
UniRef90_B5I6L6 D R Y L R R H Y N Y Q L R L D T N D G G T S T F A G D A T F Y R T T G L
UniRef90_B5I6L6 D R Y L R R H Y N Y Q L R L D T N D G G T S T F A G D A T F Y R T T G L
UniRef90_UPI000364A38A N F F L R R H V G D Q M W I D Q Y D G G S A E F R A D S S F F V R P P L
UniRef90_UPI00047E7416 G R Y L R R H V N Y E M R L E A N D G G S A L F A A D A T F L R T A G L
UniRef90_UPI00047E7416 G R Y L R R H V N Y E M R L E A N D G G S A L F A A D A T F L R T A G L
UniRef90_UPI00036E0430 G H W L R R Q F Q G D L Y A A D K S G K H R Y E A E K D F A Q D A T W K I S A P L
UniRef90_J9INS5 D H Y I R R H K D S K L R I W R Q E N G E L Y K D D S C F I I V P G H
UniRef90_J9INS5 D H Y I R R H K D S K L R I W R Q E N G E L Y K D D S C F I I V P G H
UniRef90_UPI0003A8782A G R Y L R R Y R D N E L W V D R A Q N T D A F R A S R S F T V V A P W
UniRef90_UPI00037E8F3A G R C V R H R N Y Q L W V D T Y D L V A G T F P A D S S F V P V T A W
UniRef90_UPI00034A77CB T R Y L R R H Y D Y Q L R L D A D D G T T A F A Q D A T F H R V A G L
UniRef90_UPI00034A77CB T R Y L R R H Y D Y Q L R L D A D D G T T A F A Q D A T F H R V A G L
UniRef90_UPI00034A77CB T K Y I R L W D D V A Y A A S H G G A N D F D S K A F Y H D D A S W E V K T G F
UniRef90_V9IRT0 G Y Y L R R H S N Y D F V L A K N D G T D T F K A D A T F K K V P G L
UniRef90_V9IRT0 G Y Y L R R H S N Y D F V L A K N D G T D T F K A D A T F K K V P G L
UniRef90_V9IRT0 G Y Y L R R H S N Y D F V L A K N D G T D T F K A D A T F K K V P G L
UniRef90_S4Y892 G R F L R R H R G G E V W L D T N D G G S S G F R G D A T W H R R P G L
UniRef90_S4Y892 G R F L R R H R G G E V W L D T N D G G S S G F R G D A T W H R R P G L
UniRef90_S4Y892 G R F L R R H R G G E V W L D T N D G G S S G F R G D A T W H R R P G L
UniRef90_G8S9Z6 G R Y L R R H A S W R L R L N A D D G T A L F R G D A T F C P G A G Q
UniRef90_G8S9Z6 G R Y L R R H A S W R L R L N A D D G T A L F R G D A T F C P G A G Q
UniRef90_G8S9Z6 G R Y L R R H A S W R L R L N A D D G T A L F R G D A T F C P G A G Q
UniRef90_G8S9Z6 G R Y L R R H A S W R L R L N A D D G T A L F R G D A T F C P G A G Q
UniRef90_C9YUL2 G R Y L R R H R D D Q L W L D R S Q N T A A Y R A S R S F V L V A P W
UniRef90_UPI000366FC5D G Y Y L R R Q S D L K V Q V A A N D R S Q A F A R D A T W C W R P G M
UniRef90_UPI000366FC5D G Y Y L R R Q S D L K V Q V A A N D R S Q A F A R D A T W C W R P G M
UniRef90_K4QT96 T R Y L R R H S Y Y Q L R L D V N D G G T T R F A Q D A T F H R T A G L
UniRef90_K4QT96 T R Y L R R H S Y Y Q L R L D V N D G G T T R F A Q D A T F H R T A G L
UniRef90_K4QT96 T R Y L R R H S Y Y Q L R L D V N D G G T T R F A Q D A T F H R T A G L
UniRef90_J9J982 T R Y L R R H S Y Y Q L R L D V N D G G T T R F A Q D A T F H R T A G L
UniRef90_J9J982 T R Y L R R H S Y Y Q L R L D V N D G G T T R F A Q D A T F H R T A G L
UniRef90_J9HR91 N Y Y I R R H A D N Y L R I D D Y E D T K L Y R E D A T W Y P R I A F
UniRef90_S5VK34 G R Y L R R H Q D F Q L K L D P Y Q D T D L Y R A D S A F L L V S G L
UniRef90_F4F996 G R Y L R R H W G M Q V Q L S P E E N S T I F R E D A T F C P E P G A
UniRef90_F4F996 G R Y L R R H W G M Q V Q L S P E E N S T I F R E D A T F C P E P G A
UniRef90_S4MMI0 G R F L R R H R N F Q L R L E P Y Q Y D G L Y R A D S A F R L V A G L
UniRef90_I0H6C9 G W F L R R H R G D E L W V D Q S D G T A A F R A D G S F L P R A P L
UniRef90_U5VW94 G W F L R R H R D N E L W V D Q T D G S T A F R T D G S F R V R A P L
UniRef90_L7F348 G Y Y L R R H K N Y E L W V E K N N G T A T F L A D A S F T R R A G L
UniRef90_L7F348 G Y Y L R R H K N Y E L W V E K N N G T A T F L A D A S F T R R A G L
UniRef90_L1KVf3 G Y F V R R H R S F Q L R L E R Y D Y S R L F Y A D S T S L V R S F
UniRef90_Q82P18 G N Y L R R H Y D Y R A R F D A D D G T P T F A K D A T Y V A R T G T
UniRef90_Q82P18 G N Y L R R H Y D Y R A R F D A D D G T P T F A K D A T Y V A R T G T
UniRef90_UPI0003C73EC6 G H F L R R H R N F E V W V E K N D G G T A L F R A D A S W A A R A G L
UniRef90_UPI0003C73EC6 G H F L R R H R N F E V W V E K N D G G T A L F R A D A S W A A R A G L
UniRef90_UPI0003C73EC6 G H F L R R H R N F E V W V E K N D G G T A L F R A D A S W A A R A G L
UniRef90_C6WFI4 T R Y L R R H Y E Y A I R L D A N D N T A A F R A D A T F H R V P G L
UniRef90_C6WFI4 T R Y L R R H Y E Y A I R L D A N D N T A A F R A D A T F H R V P G L
UniRef90_UPI00037E4681 G R F L R R H Q N F E L K L D Q Y Q N S S Q Y W A D S A F Q L V A G L
UniRef90_M3F155 D R F L R R H K N F E L V L D P Y G Y N T N G R Q D D F F R L V K G L
UniRef90_R4SY78 G R I M R H I D A Q L W I A Q Q G G G N W F D T D R L F V E D S H W R V V A P
UniRef90_UPI000360CB00 G R F L R R H I N G E L F A A D R S G A N W F D N P S W Y E A D A S W R V
UniRef90_F2RHT7 G S V L R R H R D G G I W L D G S D G T R T F A G Q A S F L V R Q A W
UniRef90_UPI000287F573 N Y V L R R H K N F Q L R L D P Y G Y N T M R Q D F S F R V T T P L
UniRef90_S9NYB9 G Y F L R R H S N Y V L V L A R N D G T D Q F K Q D A T F R D V A G L
UniRef90_S9NYB9 G Y F L R R H S N Y V L V L A R N D G T D Q F K Q D A T F R D V A G L
UniRef90_D9VMH3 G R Y L R R H H Y L R L R L S T D D G S E E L F R K D A T F C P R P G
UniRef90_D9VMH3 G R Y L R R H H Y L R L R L S T D D G S E E L F R K D A T F C P R P G
UniRef90_D9VMH3 G R Y L R R H H Y L R L R L S T D D G S E E L F R K D A T F C P R P G
UniRef90_D9VMH3 G R Y L R R H H Y L R L R L S T D D G S E E L F R K D A T F C P R P G
UniRef90_B5HUT1 A R Y L R R H S Y F A L R L D E N D G T S I F S A D A T F Y R T A G L

| | |
|------------------------|-----|
| UniRef90_B5HUL3 | A |
| UniRef90_B5HUL3 | A |
| UniRef90_UPI000367BE19 | A |
| UniRef90_UPI000367BE19 | A |
| UniRef90_D9T7Y0 | A |
| UniRef90_D9T7Y0 | A |
| UniRef90_UPI000371D078 | A |
| UniRef90_UPI000371D078 | A |
| UniRef90_UPI000371D078 | A |
| UniRef90_I0H4T0 | A |
| UniRef90_I0H4T0 | A |
| UniRef90_L2G2C9 | A |
| UniRef90_E6UVC2 | A |
| UniRef90_E6UVC2 | A |
| UniRef90_L8P7C1 | A |
| UniRef90_J9J9G8 | A N |
| UniRef90_J9J9G8 | A N |
| UniRef90_I1GE76 | A |
| UniRef90_I1GE76 | A |
| UniRef90_UPI00035D7C08 | A |
| UniRef90_UPI00035D7C08 | A |
| UniRef90_UPI00035D7C08 | A |
| UniRef90_A3DHB3 | A |
| UniRef90_A3DHB3 | A |
| UniRef90_S4MKG3 | A |
| UniRef90_S4MKG3 | A |
| UniRef90_C9Z3D5 | A |
| UniRef90_C9Z3D5 | A |
| UniRef90_C9Z3D5 | A |
| UniRef90_B5I6L6 | A |
| UniRef90_B5I6L6 | A |
| UniRef90_UPI000364A38A | A |
| UniRef90_UPI00047E7416 | A |
| UniRef90_UPI00047E7416 | A |
| UniRef90_UPI00036E0430 | A |
| UniRef90_J9INS5 | A N |
| UniRef90_J9INS5 | A N |
| UniRef90_UPI0003A8782A | A |
| UniRef90_UPI00037E8F3A | A |
| UniRef90_UPI00034A77CB | A |
| UniRef90_UPI00034A77CB | A |
| UniRef90_UPI00034A77CB | A |
| UniRef90_UPI000376E43A | A |
| UniRef90_UPI000376E43A | A |
| UniRef90_D9XKW0 | A |
| UniRef90_D9XKW0 | A |
| UniRef90_G4N4N4 | A |
| UniRef90_V9IRT0 | A |
| UniRef90_V9IRT0 | A |
| UniRef90_V9IRT0 | A |
| UniRef90_S4Y892 | A N |
| UniRef90_S4Y892 | A N |
| UniRef90_G8S9Z6 | A A |
| UniRef90_G8S9Z6 | A A |
| UniRef90_G8S9Z6 | A A |
| UniRef90_C9YUL2 | A |
| UniRef90_UPI000366FC5D | A |
| UniRef90_UPI000366FC5D | A |
| UniRef90_K4QT96 | A |
| UniRef90_K4QT96 | A |
| UniRef90_K4QT96 | A |
| UniRef90_J9J982 | A |
| UniRef90_J9J982 | A |
| UniRef90_J9HR91 | T N |
| UniRef90_S5VK34 | A |
| UniRef90_F4F996 | S S |
| UniRef90_F4F996 | S S |
| UniRef90_S4MMI0 | A |
| UniRef90_I0H6C9 | A |
| UniRef90_U5VW94 | A |
| UniRef90_L7F348 | A |
| UniRef90_L7F348 | A |
| UniRef90_L1KVF3 | S S |
| UniRef90_Q82P18 | A A |
| UniRef90_Q82P18 | A A |
| UniRef90_UPI0003C73EC6 | A |
| UniRef90_UPI0003C73EC6 | A |
| UniRef90_UPI0003C73EC6 | A |
| UniRef90_C6WFI4 | A |
| UniRef90_C6WFI4 | A |
| UniRef90_UPI00037E4681 | A |
| UniRef90_M3F155 | A |
| UniRef90_R4SY78 | A |
| UniRef90_UPI000360CB00 | A |
| UniRef90_F2RHT7 | S |
| UniRef90_UPI000287F573 | A |
| UniRef90_S9NYB9 | A N |
| UniRef90_S9NYB9 | A N |
| UniRef90_D9VMH3 | A |
| UniRef90_D9VMH3 | A |
| UniRef90_D9VMH3 | A |
| UniRef90_B5HUT1 | A |

UniRef90_B5HUT1
UniRef90_I0BLC8
UniRef90_I0BLC8
UniRef90_UPI0003687B53
UniRef90_B5HR02
UniRef90_Q09B80
UniRef90_Q09B80
UniRef90_UPI00037B2FA9
UniRef90_UPI00037B2FA9
UniRef90_S9NYA4
UniRef90_S9NYA4
UniRef90_J9J5T3
UniRef90_UPI0004775A13
UniRef90_UPI00036FB022
UniRef90_UPI00036FB022
UniRef90_D2PUK2
UniRef90_D2PUK2
UniRef90_D2PUK2
UniRef90_UPI0003785BFC
UniRef90_F4F2A1
UniRef90_F4F2A1
UniRef90_R4LKZ8
UniRef90_UPI000375786A
UniRef90_UPI000375786A
UniRef90_Q08S05
UniRef90_Q08S05
UniRef90_D9T722
UniRef90_D9T722
UniRef90_UPI000289366E
UniRef90_UPI000289366E
UniRef90_U5VZX0
UniRef90_U5VZX0
UniRef90_I0L290
UniRef90_I0L290
UniRef90_S9QLV6
UniRef90_S9QLV6
UniRef90_W8ANU1
UniRef90_L7ESV4
UniRef90_K4R0A5
UniRef90_K4R0A5
UniRef90_K4R0A5
UniRef90_S9QQ27
UniRef90_S9QQ27
UniRef90_S9QQ27
UniRef90_H6CJB2
UniRef90_H6CJB2
UniRef90_H6CJB2
UniRef90_J9IM08
UniRef90_J9IM08
UniRef90_UPI000372F0B8
UniRef90_UPI000372F0B8
UniRef90_UPI00047D84F8
UniRef90_UPI00047D84F8
UniRef90_W4B6T4
UniRef90_W4B6T4
UniRef90_W4B6T4
UniRef90_C9YYA1
UniRef90_J9IA43
UniRef90_UPI00047C2002
UniRef90_UPI00047C2002
UniRef90_UPI00047C2002
UniRef90_G8SAF1
UniRef90_G8SAF1
UniRef90_D3DD89
UniRef90_G8LWM7
UniRef90_G8LWM7
UniRef90_L8EPY1
UniRef90_L8EPY1
UniRef90_L8EPY1
UniRef90_Q08RB4
UniRef90_Q08RB4
UniRef90_G0LA58
UniRef90_G0LA58
UniRef90_D3ECC1
UniRef90_D3ECC1
UniRef90_D3ECC1
UniRef90_U5VW21
UniRef90_U5VW21
UniRef90_T1WB21
UniRef90_UPI00046EDD49
UniRef90_UPI00046EDD49
UniRef90_UPI00046EDD49
UniRef90_W4C218
UniRef90_W4C218
UniRef90_S9QT32
UniRef90_S9QT32
UniRef90_A8L4Z6
UniRef90_A8L4Z6
UniRef90_U5VXX0
UniRef90_U5VXX0
UniRef90_C3HTI9
UniRef90_UPI0003B55448

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

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

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

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

G L A D T R C V S F R A A D G R F L R H A S W R V R L D R
G L A D T R C V S F R A A D G R F L R H A S W R V R L D R

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

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

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

V V P G G V S L P L G R L S L R S G E L G S Q Y W R L V N D V V C L E A V S

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

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

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

UniRef90_B5HUT1
UniRef90_I0BLC8
UniRef90_I0BLC8
UniRef90_UPI0003687B53
UniRef90_B5HR02
UniRef90_Q09B80
UniRef90_Q09B80
UniRef90_UPI00037B2FA9
UniRef90_UPI00037B2FA9
UniRef90_S9NYA4
UniRef90_S9NYA4
UniRef90_J9J5T3
UniRef90_UPI0004775A13
UniRef90_UPI00036FB022
UniRef90_UPI00036FB022
UniRef90_D2PUK2
UniRef90_D2PUK2
UniRef90_D2PUK2
UniRef90_UPI0003785BFC
UniRef90_F4F2A1
UniRef90_F4F2A1
UniRef90_R4LKZ8
UniRef90_UPI000375786A
UniRef90_UPI000375786A
UniRef90_Q08S05
UniRef90_Q08S05
UniRef90_D9T722
UniRef90_D9T722
UniRef90_UPI000289366E
UniRef90_UPI000289366E
UniRef90_U5VZX0
UniRef90_U5VZX0
UniRef90_I0L290
UniRef90_I0L290
UniRef90_S9QLV6
UniRef90_S9QLV6
UniRef90_W8ANU1
UniRef90_L7ESV4
UniRef90_K4R0A5
UniRef90_K4R0A5
UniRef90_K4R0A5
UniRef90_S9QQ27
UniRef90_S9QQ27
UniRef90_S9QQ27
UniRef90_H6CJB2
UniRef90_H6CJB2
UniRef90_H6CJB2
UniRef90_J9IM08
UniRef90_J9IM08
UniRef90_UPI000372F0B8
UniRef90_UPI000372F0B8
UniRef90_UPI00047D84F8
UniRef90_UPI00047D84F8
UniRef90_W4B6T4
UniRef90_W4B6T4
UniRef90_W4B6T4
UniRef90_C9YYA1
UniRef90_J9IA43
UniRef90_UPI00047C2002
UniRef90_UPI00047C2002
UniRef90_UPI00047C2002
UniRef90_G8SAF1
UniRef90_G8SAF1
UniRef90_D3DD89
UniRef90_G8LWM7
UniRef90_G8LWM7
UniRef90_L8EPY1
UniRef90_L8EPY1
UniRef90_L8EPY1
UniRef90_Q08RB4
UniRef90_Q08RB4
UniRef90_G0LA58
UniRef90_G0LA58
UniRef90_D3ECC1
UniRef90_D3ECC1
UniRef90_D3ECC1
UniRef90_U5VW21
UniRef90_U5VW21
UniRef90_T1WB21
UniRef90_UPI00046EDD49
UniRef90_UPI00046EDD49
UniRef90_UPI00046EDD49
UniRef90_W4C218
UniRef90_W4C218
UniRef90_S9QT32
UniRef90_S9QT32
UniRef90_S9QT32
UniRef90_A8L4Z6
UniRef90_A8L4Z6
UniRef90_U5VXX0
UniRef90_U5VXX0
UniRef90_C3HTI9
UniRef90_UPI0003B55448

UniRef90_B5HUT1 N F A G R I L D E Y P F D P F P D S 100 Q W K M V P G L D P 110 G V S F Q S V N Y P 120
UniRef90_I0BLC8 E Y R A K L L E P N V T K L L A D S Q Q F R V V T G L L A G S G V S L E S T N F L
UniRef90_I0BLC8 E Y R A K L L E P N V T K L L A D S Q Q F R V V T G L L A G S G V S L E S T N F L
UniRef90_UPI0003687B53 D F V L R A R A D R N D G S S L F K Q D A T F C A V P S S Y G A V M L L E S V N Y P
UniRef90_B5HR02 S F V L R A R A D R N D G S S L F R Q D A T F C P R E A A Y T S A T M L L E S A N Y P
UniRef90_Q09B80 N Y Q A R L D D Q N V S P A E D S Q F R I V P G L D D G S A V S F F E A V N L P
UniRef90_Q09B80 N Y Q A R L D D Q N V S P A E D S Q F R I V P G L D D G S A V S F F E A V N L P
UniRef90_UPI00037B2FA9 T D A V V G A G A G T D T A W R V V P G A D A S C H S F F E S V A H P
UniRef90_UPI00037B2FA9 T D A V V G A G A G T D T A W R V V P G A D A S C H S F F E S V A H P
UniRef90_S9NYA4 N Y E G R V D P Y P M D P Y T D S Q F R L V G G L S S S G V S L L Q Q S V T D P P
UniRef90_S9NYA4 N Y E G R V D P Y P M D P Y T D S Q F R L V G G L S S S G V S L L Q Q S V T D P P
UniRef90_J9J5T3 N F K L S I F G L K H E S Q S F Y D D A C F T Q V P G L N S Q A V S F F E S Y S N Q
UniRef90_UPI0004775A13 N F Q V K V A A N D D S Q A F Y Q D A T W C A R G G L V G F G S T F F L F S N R
UniRef90_UPI00036FB022 N Y A G R I S E M P F D P Y Q D A Q W R L R P G L D P N G V S F F E S V N F P P
UniRef90_UPI00036FB022 N Y A G R I S E M P F D P Y Q D A Q W R L R P G L D P N G V S F F E S V N F P P
UniRef90_D2PUK2 N S E L V I S K H D G S D Q V W L D A Q W L R I P P P P K G A V S F H S V N F P P
UniRef90_D2PUK2 N S E L V I S K H D G S D Q V W L D A Q W L R I P P P P K G A V S F H S V N F P P
UniRef90_D2PUK2 N S E L V I S K H D G S D Q V W L D A Q W L R I P P P P K G A V S F H S V N F P P
UniRef90_UPI0003785BFC S F V L R A R A D R N D G S S L F K Q D A T F C S R D S S T P K G A K M L S V N Y P
UniRef90_F4F2A1 E F R V R L E P N V T N L A D S Q F R I V T G L N S G A I S L E S T N Y P P
UniRef90_F4F2A1 E F R V R L E P N V T N L A D S Q F R I V T G L N S G A I S L E S T N Y P P
UniRef90_R4LKZ8 S W R L R A S P D D G T A L F R G D A T F C S H P A V G L G S V T L E S S N Y P
UniRef90_UPI000375786A N F Q L K L D R Y Q N S S Q Y R S D S A F R L V A G L N
UniRef90_UPI000375786A N F Q L K L D R Y Q N S S Q Y R S D S A F R L V A G L N
UniRef90_Q08S05 D G Q L I E T G W D M D D A T F R M V P G L D E R C V S F E S R N Y P
UniRef90_Q08S05 D G Q L I E T G W D M D D A T F R M V P G L D E R C V S F E S R N Y P
UniRef90_D9T722 D Y R A R V I E P N V T N L A D S Q F R L V P G L A G G S V S L E S T N F P P
UniRef90_D9T722 D Y R A R V I E P N V T N L A D S Q F R L V P G L A G G S V S L E S T N F P P
UniRef90_UPI000289366E D Y R A R I E A N V S P L A D S Q F R I V T G L A G S G V S L E S A N F P P
UniRef90_UPI000289366E D Y R A R I E A N V S P L A D S Q F R I V T G L A G S G V S L E S A N F P P
UniRef90_U5VZX0 G D E L W V D Q S D G S A A F L A D G S F R V R P P L T
UniRef90_U5VZX0 G D E L W V D Q S D G S A A F L A D G S F R V R P P L T
UniRef90_I0L290 D Y R A R V E P N V A N L A D S Q F R I V G G L A G G G V S L E S T N F P P
UniRef90_I0L290 D Y R A R V E P N V A N L A D S Q F R I V G G L A G G G V S L E S T N F P P
UniRef90_S9QLV6 N S R G R I D H I L F A E D A E W R V V P G L N A S A L S L E S V N F P P
UniRef90_S9QLV6 N S R G R I D H I L F A E D A E W R V V P G L N A S A L S L E S V N F P P
UniRef90_W8ANU1 N F R V K L D P L G D Q Q M R E D A T F A M R S G L D G A A T S F S A Y N S R
UniRef90_L7ESV4 N F I L R A E G N D G S S L F K Q D A T F C G G Y S G Y T G A A V L T S V N Y P P
UniRef90_K4R0A5 N F L G E L S A V A S D L D R T D A T F D M V N G L A D R S V S F F R S V N F P P
UniRef90_K4R0A5 N F L G E L S A V A S D L D R T D A T F D M V N G L A D R S V S F F R S V N F P P
UniRef90_K4R0A5 N F L G E L S A V A S D L D R T D A T F D M V N G L A D R S V S F F R S V N F P P
UniRef90_S9QQ27 A L Q G R V D A N V Q P S E D A Q F R V R T G W V G G S V S F F E S V N F P P
UniRef90_S9QQ27 A L Q G R V D A N V Q P S E D A Q F R V R T G W V G G S V S F F E S V N F P P
UniRef90_S9QQ27 A L Q G R V D A N V Q P S E D A Q F R V R T G W V G G S V S F F E S V N F P P
UniRef90_H6CJB2 H S L L R L D P I V T A I D K S D A T F
UniRef90_H6CJB2 H S L L R L D P I V T A I D K S D A T F
UniRef90_H6CJB2 H S L L R L D P I V T A I D K S D A T F
UniRef90_J9IM08 D N Y L R L D D Y E D T K L Y R E D A T W Y P R
UniRef90_J9IM08 D N Y L R L D D Y E D T K L Y R E D A T W Y P R
UniRef90_UPI000372F0B8 N F E V W M D R A D G S A A F R A G S T F R A G S A P V D Q A V A
UniRef90_UPI000372F0B8 N F E V W M D R A D G S A A F R A G S T F R A G S A P V D Q A V A
UniRef90_UPI00047D84F8 D F R V R A D A S P A M L A D S Q F R I A A G L A G S G V S L E S A N Y P
UniRef90_UPI00047D84F8 D F R V R A D A S P A M L A D S Q F R I A A G L A G S G V S L E S A N Y P
UniRef90_W4B6T4 N N V L K L E A V V T A L D K S D A T F R
UniRef90_W4B6T4 N N V L K L E A V V T A L D K S D A T F R
UniRef90_W4B6T4 N N V L K L E A V V T A L D K S D A T F R
UniRef90_C9YYA1 N F V L R A S Q D D G S Q L F K Q D A T F C P R N E Q T D V I G L E S V N Y P
UniRef90_J9IA43 D Y K L I T A K R E D N Q L F L E G S C F I V P G L N P D A I V S L Q A Y N H P
UniRef90_UPI00047C2002 N F N V K I E A N P A T D Q F W Q V V P G L T D G N V S F F R S V Y Y P P
UniRef90_UPI00047C2002 N F N V K I E A N P A T D Q F W Q V V P G L T D G N V S F F R S V Y Y P P
UniRef90_UPI00047C2002 N F N V K I E A N P A T D Q F W Q V V P G L T D G N V S F F R S V Y Y P P
UniRef90_G8SAF1 N F L G R L D P I G P S V L D R A D S S F T V R K G L N D S C V S L E S V N Y P P
UniRef90_G8SAF1 N F L G R L D P I G P S V L D R A D S S F T V R K G L N D S C V S L E S V N Y P P
UniRef90_D3DD89 G S R L H Y I S A N F G A T E S F A V R R G S D A G S V A L E S Y S Y P
UniRef90_G8LWM7 H F D A Y I S A N G T L P D D C M F K I V S G L D P S C I S F E S K N F P P
UniRef90_G8LWM7 H F D A Y I S A N G T L P D D C M F K I V S G L D P S C I S F E S K N F P P
UniRef90_L8EPY1 G D F A T L G G R P G G A Q A P Q R I T F T V V G G L D T R C V T L R A A D
UniRef90_L8EPY1 G D F A T L G G R P G G A Q A P Q R I T F T V V G G L D T R C V T L R A A D
UniRef90_L8EPY1 G D F A T L G G R P G G A Q A P Q R I T F T V V G G L D T R C V T L R A A D
UniRef90_Q08RB4 N G R G R I D Q F A E D A E W R I V P G L N A S A L S L E S V A F P P
UniRef90_Q08RB4 N G R G R I D Q F A E D A E W R I V P G L N A S A L S L E S V A F P P
UniRef90_G0LA58 D G R V G I A S D V V P V E A G Q W N M V A G L A G S G V S F F Q S V D F P P
UniRef90_G0LA58 D G R V G I A S D V V P V E A G Q W N M V A G L A G S G V S F F Q S V D F P P
UniRef90_D3ECC1 D G V L E I S P I T T T L D Q K D A T F Y V K
UniRef90_D3ECC1 D G V L E I S P I T T T L D Q K D A T F Y V K
UniRef90_D3ECC1 D G V L E I S P I T T T L D Q K D A T F Y V K
UniRef90_U5VW21 D F R V R L A P V G P R A A V R A D A T F V L R R G L D S K C V S F E S V N F P P
UniRef90_U5VW21 D F R V R L A P V G P R A A V R A D A T F V L R R G L D S K C V S F E S V N F P P
UniRef90_T1WB21 S W R V R T A S D N G T A L F R G D A T F C R R D G S T A D S I A L E S A S N Y P
UniRef90_UPI00046EDD49 N F A A R I D T N V S P E L D S H F R V I P G L N T D G S V S L E S I N F P P
UniRef90_UPI00046EDD49 N F A A R I D T N V S P E L D S H F R V I P G L N T D G S V S L E S I N F P P
UniRef90_UPI00046EDD49 N F A A R I D T N V S P E L D S H F R V I P G L N T D G S V S L E S I N F P P
UniRef90_W4C218 N Y T A R V D A N V S P V L D S Q F R V V P G L S S T G I S L E S I N F P P
UniRef90_W4C218 N Y T A R V D A N V S P V L D S Q F R V V P G L S S T G I S L E S I N F P P
UniRef90_S9QT32 N G Q L I Y S E R D M D D A T F R I V P G L D D R C L S F E A S N Y P
UniRef90_S9QT32 N G Q L I Y S E R D M D D A T F R I V P G L D D R C L S F E A S N Y P
UniRef90_A8L4Z6 N D V V C L E T S D S S T A V R R E A T F T V V R G L D P N G F S L R A S D
UniRef90_A8L4Z6 N D V V C L E T S D S S T A V R R E A T F T V V R G L D P N G F S L R A S D
UniRef90_U5VXX0 D Y R A Y L E E V G A S A Q D R A D S R F T V R P G R A T G C L S F E S Q N F P P
UniRef90_U5VXX0 D Y R A Y L E E V G A S A Q D R A D S R F T V R P G R A T G C L S F E S Q N F P P
UniRef90_C3HTI9 N F R L K L H P V G G S Q Q A I L D S T F T M V P G L I D P G L S L R S K N F P P
UniRef90_UPI0003B55448 D G Q L W I D P Q Q T D T D F L G R A S F V P W P A T I P L P T S

UniRef90_B5HUT1 A R Y L R H S Y F A L R L D E N D G 140 T S I F S A D A T F Y R T A G L 150 160
UniRef90_I0BLC8 G Y Y L R S R N G E A W V E K N D G T A L F K Q E A A F Y P R A G L
UniRef90_I0BLC8 G Y Y L R S R N G E A W V E K N D G T A L F K Q E A A F Y P R A G L
UniRef90_UPI0003687B53 G R F L R H K N F V V R L D T Y G Y G S N N R E D F S F N L V D G L
UniRef90_B5HR02 G Y F L R H K N F V V R L A K N D G E R F E Y S S Q F L S D S S F Q L V A G L
UniRef90_Q09B80 G Y F L R H N D N V L V L A K N D G T S L F K Q D A T F L D V A G L
UniRef90_Q09B80 G Y F L R H N D N V L V L A K N D G T S L F K Q D A T F L D V A G L
UniRef90_UPI00037B2FA9 E Y Y L R Q Q G L R V V L A A S D G T D G F H A D A T W C S K A G L
UniRef90_UPI00037B2FA9 E Y Y L R Q Q G L R V V L A A S D G T D G F H A D A T W C S K A G L
UniRef90_S9NYA4 G L Y L R H S G F E V R L E R D D G S A G F A A D A T F T R T A G L
UniRef90_S9NYA4 G L Y L R H S G F E V R L E R D D G S A G F A A D A T F T R T A G L
UniRef90_J9J5T3 N Q Y I R H D C N H L R L S N Y E D S N Q Y R N D A T W Y P R V A F
UniRef90_UPI0004775A13 A R V L R H F D G K L W A A D S S A H P F D N P T T F L Q D A S W H V D W P
UniRef90_UPI00036FB022 G Y Y M K Q E N F A I K L V R N D G T A D F A S D A T F H R V A G L
UniRef90_UPI00036FB022 G Y Y M K Q E N F A I K L V R N D G T A D F A S D A T F H R V A G L
UniRef90_D2PUK2 G H Y V R H R N S L G E I S R V S S D L D R N D A T F V V R P G L
UniRef90_D2PUK2 G H Y V R H R N S L G E I S R V S S D L D R N D A T F V V R P G L
UniRef90_D2PUK2 G H Y V R H R N S L G E I S R V S S D L D R N D A T F V V R P G L
UniRef90_UPI0003785BFC G Y F L R H Q N F V L R L W A A D S S A Q R F E Y S S Q F V A D A S F Q P V G G L
UniRef90_F4F2A1 G Y Y L R H R N H Q L W V E R N D G S N L F R Q D A T F T R R A G L
UniRef90_F4F2A1 G Y Y L R H R N H Q L W V E R N D G S N L F R Q D A T F T R R A G L
UniRef90_R4LKZ8 G W F L R H R G D Q L W V D Q S D G S T A F V S D G S F V I R R A Q

UniRef90_Q08S05 G S F L R E D H G E V W L D D G R S D G R F E E D A T F C P R L G L
UniRef90_Q08S05 G S F L R E D H G E V W L D D G R S D G R F E E D A T F C P R L G L
UniRef90_D9T722 G Y Y L R H R A F A L Y V E R D D G S A L F D G D A S F Q R R P G L
UniRef90_D9T722 G Y Y L R H R A F A L Y V E R D D G S A L F D G D A S F Q R R P G L
UniRef90_UPI000289366E G Y Y L R N S A F E V R V E K N D G T A A F A S S A S F Y N R A G L
UniRef90_UPI000289366E G Y Y L R N S A F E V R V E K N D G T A A F A S S A S F Y N R A G L
UniRef90_U5VZX0
UniRef90_U5VZX0

UniRef90_I0L290 G Y Y L R H Y G F A L S I A R N D G S S V F S S D A S F Q R R A G L
UniRef90_I0L290 G Y Y L R H Y G F A L S I A R N D G S S V F S S D A S F Q R R A G L
UniRef90_S9QLV6 G Y F L R H R N G E V W L D R D D G S S L F K A D A T W W R R A G L
UniRef90_S9QLV6 G Y F L R H R N G E V W L D R D D G S S L F K A D A T W W R R A G L
UniRef90_W8ANU1 E Y Y I R H K N F C S L Y L E K I T G D L D R R D A T F R V G Q G F
UniRef90_L7ESV4 N Y A L R H K N F Q L R L D P Y G Y N T T N R Q D F Y F R V V A P L
UniRef90_K4R0A5 L H F L R H Q D F R V K L H P P G S T P P P D S P E L M R K D A T F A M V P G L
UniRef90_K4R0A5 L H F L R H Q D F R V K L H P P G S T P P P D S P E L M R K D A T F A M V P G L
UniRef90_K4R0A5 L H F L R H Q D F R V K L H P P G S T P P P D S P E L M R K D A T F A M V P G L
UniRef90_S9QQ27 G Y Y L R H S A F E I V L A R Y D G S A Q F R A D A S F T R V A G L
UniRef90_S9QQ27 G Y Y L R H S A F E I V L A R Y D G S A Q F R A D A S F T R V A G L
UniRef90_S9QQ27 G Y Y L R H S A F E I V L A R Y D G S A Q F R A D A S F T R V A G L
UniRef90_H6CJB2
UniRef90_H6CJB2
UniRef90_H6CJB2
UniRef90_J9IM08
UniRef90_J9IM08

UniRef90_UPI000372F0B8
UniRef90_UPI000372F0B8
UniRef90_UPI00047D84F8 G H Y L R H R D Y E C W V E S D D G S A L F G Q D A S F H R R G G L
UniRef90_UPI00047D84F8 G H Y L R H R D Y E C W V E S D D G S A L F G Q D A S F H R R G G L
UniRef90_W4B6T4
UniRef90_W4B6T4
UniRef90_W4B6T4

UniRef90_C9YYA1 N H F I R V R Y N Q L R L E R Y E H N Q Q Y W M E T G F R L V K G L
UniRef90_J9IA43 N F Y V R H Y N D I V F L S N Y E D T H S F R D D A T F Y P R V A F
UniRef90_UPI00047C2002 G Y Y L R Q N N N E L K L E K H D G T S T K F S K D A T F K K V P G L
UniRef90_UPI00047C2002 G Y Y L R Q N N N E L K L E K H D G T S T K F S K D A T F K K V P G L
UniRef90_UPI00047C2002 G Y Y L R Q N N N E L K L E K H D G T S T K F S K D A T F K K V P G L
UniRef90_G8SAF1 G Y F L R H Q N F V L K L Q R R D G S G L F A A D A T F C P V T
UniRef90_G8SAF1 G Y F L R H Q N F V L K L Q R R D G S G L F A A D A T F C P V T
UniRef90_D3DD89 G R Y I R A R G R E L R L E P Y D E S Y L F G A E S S G L A A W
UniRef90_G8LWM7 G F Y L K N E N F R I V L K P F D G S N D F K E N A T F R K V P G L
UniRef90_G8LWM7 G F Y L K N E N F R I V L K P F D G S N D F K E N A T F R K V P G L
UniRef90_L8EPY1 G R Y L R H Q Y L R L R L S T N D G S Q Q L F R E D A T F C P R P G
UniRef90_L8EPY1 G R Y L R H Q Y L R L R L S T N D G S Q Q L F R E D A T F C P R P G
UniRef90_L8EPY1 G R Y L R H Q Y L R L R L S T N D G S Q Q L F R E D A T F C P R P G
UniRef90_Q08RB4 G Y F L R H A N G E L W L A Q N D G S A L F K A D A T W W R R P G Q
UniRef90_Q08RB4 G Y F L R H A N G E L W L A Q N D G S A L F K A D A T W W R R P G Q
UniRef90_G0LA58 N K Y L R H R G G E V W L D D V E D S A L Y R E D A T F F E R E G L
UniRef90_G0LA58 N K Y L R H R G G E V W L D D V E D S A L Y R E D A T F F E R E G L
UniRef90_D3ECC1
UniRef90_D3ECC1
UniRef90_D3ECC1

UniRef90_U5VW21 G R F V R H Q N F V L V L Q P R E S S P L F A A D A T F C P R A A
UniRef90_U5VW21 G R F V R H Q N F V L V L Q P R E S S P L F A A D A T F C P R A A
UniRef90_T1WB21 G W F L R H R D S Q L W V D Q D D G S E R F R A D G S F R V R G P L
UniRef90_UPI00046EDD49 G Y F L K R D S G D S S N A Y S N T D S Y K G D A T F R I V P G W
UniRef90_UPI00046EDD49 G Y F L K R D S G D S S N A Y S N T D S Y K G D A T F R I V P G W
UniRef90_UPI00046EDD49 G Y F L K R D S G D S S N A Y S N T D S Y K G D A T F R I V P G W
UniRef90_W4C218 G Y F L R N A S N K I V L E A Y A N T A A Y K G D A T F L S S P G W
UniRef90_W4C218 G Y F L R N A S N K I V L E A Y A N T A A Y K G D A T F L S S P G W
UniRef90_S9QT32 R H F L R H R G S D I F L D P D N N T L G F S E D A T F C P R P G L
UniRef90_S9QT32 R H F L R H R G S D I F L D P D N N T L G F S E D A T F C P R P G L
UniRef90_A8L4Z6 G R F L R Q G R S R L H L S G F G A T E S F D R D A T F A V R R G L
UniRef90_A8L4Z6 G R F L R Q G R S R L H L S G F G A T E S F D R D A T F A V R R G L
UniRef90_U5VXX0 G Y F L R H R N F V L R L D R V D G S A L F D A D T T F
UniRef90_U5VXX0 G Y F L R H R N F V L R L D R V D G S A L F D A D T T F
UniRef90_C3HTI9 D R F I R H R N F N L W V E P A D S Q L A R E D A T F R I R A P F
UniRef90_UPI0003B55448

| | |
|------------------------|-----|
| UniRef90_B5HUT1 | A |
| UniRef90_I0BLC8 | A |
| UniRef90_I0BLC8 | A |
| UniRef90_UPI0003687B53 | A |
| UniRef90_B5HR02 | |
| UniRef90_Q09B80 | A N |
| UniRef90_Q09B80 | A N |
| UniRef90_UPI00037B2FA9 | S |
| UniRef90_UPI00037B2FA9 | S |
| UniRef90_S9NYA4 | A N |
| UniRef90_S9NYA4 | A N |
| UniRef90_J9J5T3 | S T |
| UniRef90_UPI0004775A13 | |
| UniRef90_UPI00036FB022 | A |
| UniRef90_UPI00036FB022 | A |
| UniRef90_D2PUK2 | |
| UniRef90_D2PUK2 | |
| UniRef90_D2PUK2 | |
| UniRef90_UPI0003785BFC | A |
| UniRef90_F4F2A1 | A |
| UniRef90_F4F2A1 | A |
| UniRef90_R4LKZ8 | P S |
| UniRef90_UPI000375786A | |
| UniRef90_UPI000375786A | |
| UniRef90_Q08S05 | A |
| UniRef90_Q08S05 | A |
| UniRef90_D9T722 | A T |
| UniRef90_D9T722 | A T |
| UniRef90_UPI000289366E | A |
| UniRef90_UPI000289366E | A |
| UniRef90_U5VZX0 | |
| UniRef90_U5VZX0 | |
| UniRef90_I0L290 | A |
| UniRef90_I0L290 | A |
| UniRef90_S9QLV6 | A N |
| UniRef90_S9QLV6 | A N |
| UniRef90_W8ANU1 | S |
| UniRef90_L7ESV4 | |
| UniRef90_K4R0A5 | A |
| UniRef90_K4R0A5 | A |
| UniRef90_K4R0A5 | A |
| UniRef90_S9QQ27 | A |
| UniRef90_S9QQ27 | A |
| UniRef90_S9QQ27 | A |
| UniRef90_H6CJB2 | |
| UniRef90_H6CJB2 | |
| UniRef90_H6CJB2 | |
| UniRef90_J9IM08 | |
| UniRef90_J9IM08 | |
| UniRef90_UPI000372F0B8 | |
| UniRef90_UPI000372F0B8 | |
| UniRef90_UPI00047D84F8 | A |
| UniRef90_UPI00047D84F8 | A |
| UniRef90_W4B6T4 | |
| UniRef90_W4B6T4 | |
| UniRef90_W4B6T4 | |
| UniRef90_C9YYA1 | A |
| UniRef90_J9IA43 | □ N |
| UniRef90_UPI00047C2002 | |
| UniRef90_UPI00047C2002 | |
| UniRef90_UPI00047C2002 | |
| UniRef90_G8SAF1 | |
| UniRef90_G8SAF1 | |
| UniRef90_D3DD89 | A |
| UniRef90_G8LWM7 | A |
| UniRef90_G8LWM7 | A |
| UniRef90_L8EPY1 | |
| UniRef90_L8EPY1 | |
| UniRef90_L8EPY1 | |
| UniRef90_Q08RB4 | A N |
| UniRef90_Q08RB4 | A N |
| UniRef90_G0LA58 | A |
| UniRef90_G0LA58 | A |
| UniRef90_D3ECC1 | |
| UniRef90_D3ECC1 | |
| UniRef90_D3ECC1 | |
| UniRef90_U5VW21 | |
| UniRef90_U5VW21 | |
| UniRef90_T1WB21 | |
| UniRef90_UPI00046EDD49 | A |
| UniRef90_UPI00046EDD49 | A |
| UniRef90_UPI00046EDD49 | A |
| UniRef90_W4C218 | A |
| UniRef90_W4C218 | A |
| UniRef90_S9QT32 | A A |
| UniRef90_S9QT32 | A A |
| UniRef90_A8L4Z6 | G A |
| UniRef90_A8L4Z6 | G A |
| UniRef90_U5VXX0 | |
| UniRef90_U5VXX0 | |
| UniRef90_C3HTI9 | |
| UniRef90_UPI0003B55448 | |

UniRef90_UPI0003B55448 1 V P G S A L P G G S A Y L V R F E S Q D T P G R F L R H Y A Y R L Q L N A
 UniRef90_UPI0003B55448 V P G S A L P G G S A Y L V R F E S Q D T P G R F L R H Y A Y R L Q L N A
 UniRef90_UPI0003B55448 V P G S A L P G G S A Y L V R F E S Q D T P G R F L R H Y A Y R L Q L N A

UniRef90_C7R560
 UniRef90_C7R560
 UniRef90_C7R560
 UniRef90_W4VDE1
 UniRef90_W4VDE1
 UniRef90_R4T0E7 T A G R R G W H V R S A G G D A W A T P G T
 UniRef90_K4R3W0
 UniRef90_K4R3W0
 UniRef90_I0HD96 S L T A G A T A G L E L V D Q P G Q W V R H R N F A G R V D P I S
 UniRef90_C3HA94
 UniRef90_C3HA94
 UniRef90_C3HA94
 UniRef90_UPI000369C72F
 UniRef90_UPI000369C72F
 UniRef90_UPI000369C72F
 UniRef90_A8L4V1
 UniRef90_A8L4V1

UniRef90_UPI00047BD73E G I P V P D G P T P F R F L V H G G D D R Y L N H F D S R L R
 UniRef90_W4V7H8 P G L A D P S C I S F E S K N H P G Y Y L K H E N F K I I L K K Y E
 UniRef90_W4V7H8 P G L A D P S C I S F E S K N H P G Y Y L K H E N F K I I L K K Y E
 UniRef90_UPI00036DE77A L V I G A T V G L S P A G R P D Y R L R H R D F V G R I D R I G

UniRef90_I0BR19
 UniRef90_I0BR19
 UniRef90_I0BR19
 UniRef90_UPI00034A69D3
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0002B42E24 V S F E S T N Y P G Y F L R H Q D Y T I K L H K E E
 UniRef90_UPI0003B4D0E0
 UniRef90_UPI0003B4D0E0

UniRef90_G2QWT5 A S S K A L A P G T L I S L R A A T T T S S Q Y L T H N T T T A A L T L Q P
 UniRef90_R4LH11
 UniRef90_R4LH11
 UniRef90_W8UDY1
 UniRef90_W8UDY1
 UniRef90_W8UDY1
 UniRef90_W8UDY1

UniRef90_UPI0002B458AA G R G D S V S L Q A I K E S T K Y L R H R N F I L K L D V L D
 UniRef90_UPI0002B458AA G R G D S V S L Q A I K E S T K Y L R H R N F I L K L D V L D
 UniRef90_UPI0002B458AA G R G D S V S L Q A I K E S T K Y L R H R N F I L K L D V L D
 UniRef90_UPI0002B458AA G R G D S V S L Q A I K E S T K Y L R H R N F I L K L D V L D
 UniRef90_UPI0003710DCC I V P A L A G R A G C Y S L E S V R S P G H Y L K A D R L N L K V N I A L
 UniRef90_UPI0003710DCC I V P A L A G R A G C Y S L E S V R S P G H Y L K A D R L N L K V N I A L
 UniRef90_UPI0003710DCC I V P A L A G R A G C Y S L E S V R S P G H Y L K A D R L N L K V N I A L

UniRef90_K0SFF2
 UniRef90_K0SFF2
 UniRef90_K0SFF2
 UniRef90_G6FNK6 L T S S P V Y S Q T K S Q F T S F S S Y N F P D H Y I R H K N Y L G Y I E P I
 UniRef90_UPI000443DEAE G R I D S V S L Q S T Q Q S N K Y L R H Q N Y I L K L H P V D
 UniRef90_UPI0002B4A201 G R I D S V S L Q S T Q Q S N K Y L R H Q N Y I L K L H P V D
 UniRef90_UPI0002B4A201 G R I D S V S L Q S T Q Q S N K Y L R H Q N Y I L K L H P V D
 UniRef90_UPI0002B4A201 G R I D S V S L Q S T Q Q S N K Y L R H Q N Y I L K L H P V D
 UniRef90_UPI0002B46B1C G R E D S V S L Q S V I N G L K Y L R H Q N F I L K L N Q V D
 UniRef90_UPI0002B46B1C G R E D S V S L Q S V I N G L K Y L R H Q N F I L K L N Q V D
 UniRef90_UPI0002B46B1C G R E D S V S L Q S V I N G L K Y L R H Q N F I L K L N Q V D
 UniRef90_UPI0002B46B1C G R E D S V S L Q S V I N G L K Y L R H Q N F I L K L N Q V D
 UniRef90_UPI0002B46B1C G R E D S V S L Q S V I N G L K Y L R H Q N F I L K L N Q V D
 UniRef90_J9HZ11 A G L N G G K T V S I R S L N Y P D Y Y L R I R N F T V V L Q Q I D
 UniRef90_J9HZ11 A G L N G G K T V S I R S L N Y P D Y Y L R I R N F T V V L Q Q I D
 UniRef90_G8S9Z4
 UniRef90_G8S9Z4

UniRef90_G8RZS1 G L A D D S C F T F R D E D G N F L R H Y N Y R L R F D P K D
 UniRef90_G8RZS1 G L A D D S C F T F R D E D G N F L R H Y N Y R L R F D P K D
 UniRef90_I3JUM52 F R L F T F G D R T T L L A A S K S S G F V F V Q S
 UniRef90_UPI0003B6C67A M T P G L S R A D S S R V S F E A A D R P N Y F L H A T S G Q V R L A K W E
 UniRef90_UPI0003B6C67A M T P G L S R A D S S R V S F E A A D R P N Y F L H A T S G Q V R L A K W E
 UniRef90_UPI0003B6C67A M T P G L S R A D S S R V S F E A A D R P N Y F L H A T S G Q V R L A K W E
 UniRef90_F2R8I2 L Q R A R R Q S F Q P T D A K L A G W H V R R S G D A T F I A P V D
 UniRef90_M5U7K0
 UniRef90_M5U7K0
 UniRef90_A9WSY9
 UniRef90_Q2SAW8
 UniRef90_UPI00039C4C15 A L G S Y V S V Q T T A P G T P Q S I R H T N G V G Q V A L I T
 UniRef90_UPI00039C4C15 R H S G Y W L W Q N P L P
 UniRef90_R4LN50
 UniRef90_R1E0F6
 UniRef90_R1E0F6

UniRef90_R1E0F6 V V P G L T G E K G T V S F E D A A R P G R Y L R H A G Y A M R C H S
 UniRef90_R1E0F6 V V P G L T G E K G T V S F E D A A R P G R Y L R H A G Y A M R C H S

UniRef90_UPI0003B55448 NDGSSAQFAQDQATF C P E A G L S G Q G G T T L R S S Y N N Y P D R D R V L R H H V
UniRef90_UPI0003B55448 NDGSSAQFAQDQATF C P E A G L S G Q G G T T L R S S Y N N Y P D R D R V L R H H V
UniRef90_UPI0003B55448 NDGSSAQFAQDQATF C P E A G L S G Q G G T T L R S S Y N N Y P D R D R V L R H H V
UniRef90_C7R560 G S T T T V T V A S S Y N N Y P P E R S S V V R H H Q
UniRef90_C7R560 G S T T T V T V A S S Y N N Y P P E R S S V V R H H Q
UniRef90_C7R560 G S T T T V T V A S S Y N N Y P P E R S S V V R H H Q
UniRef90_W4VDE1 G S T T T V T V A S S Y N N Y P P E R S S V V R H H Q
UniRef90_W4VDE1 G S T T T V T V A S S Y N N Y P P E R S S V V R H H Q
UniRef90_R4T0E7 Q P S N T A P L G D A T W K I V P G L A D A N C F S V L R S S A T R V G S D R S W Q V S S
UniRef90_K4R3W0 T A W R S S V R S S V N N Y P D R S S W Q V S S
UniRef90_K4R3W0 T A W R S S V R S S V N N Y P D R S S W Q V S S
UniRef90_I0HD96 A A G S D G D R A D S R F V I R T G R A A S N C F S S F E S S V N N F P Q D R Y I L R H H Q
UniRef90_C3HA94 A W R S S F Q S S F N F F Q D D R F I L R H H Q
UniRef90_C3HA94 A W R S S F Q S S F N F F Q D D R F I L R H H Q
UniRef90_C3HA94 A W R S S F Q S S F N F F Q D D R F I L R H H Q
UniRef90_UPI000369C72F A W R S S F Q S S A N F P D H F I L R H H S
UniRef90_UPI000369C72F S S F K S A N F P D H F I L R H H S
UniRef90_UPI000369C72F S S F K S A N F P D H F I L R H H S
UniRef90_A8L4V1 G R L L S L R S A D L G H Q Y W R L V
UniRef90_A8L4V1 G R L L S L R S A D L G H Q Y W R L V
UniRef90_UPI00047BD73E A G E P A M L A D S Q F M I V A G L A G S G S V S L R S A N Y P D R Y I L R H H
UniRef90_W4V7H8 D T D L Y K E D A T F K V V P G L A N E D L I S S F Q S S F N Y P S R Y I L R H H R
UniRef90_W4V7H8 D T D L Y K E D A T F K V V P G L A N E D L I S S F Q S S F N Y P S R Y I L R H H R
UniRef90_UPI00036DE77A S G A S S P E R Q D S Q F V V R K G L G R S G C I S L L E S S Y T N P A K Y V R H H L
UniRef90_I0BR19 L L E S S Y T N P A K Y V R H H L
UniRef90_I0BR19 L L E S S Y T N P A K Y V R H H L
UniRef90_I0BR19 L L E S S Y T N P A K Y V R H H L
UniRef90_UPI00034A69D3 D W L N L N G T W R F V P G P S D D R C C A P E S V I N N Y P Q G H Y V A A S
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0002B42E24 P L V E L F R K D A S F M V E K K L S F G Q A F S L E E S I N N Y P Q Q Y R I G V R
UniRef90_UPI0003B4D0E0 G E R V S R L Q A F T H P G H Y V A A S
UniRef90_UPI0003B4D0E0 G E R V S R L Q A F T H P G H Y V A A S
UniRef90_UPI0003B4D0E0 G E R V S R L Q A F T H P G H Y V A A S
UniRef90_G2QWT5 L P L T T R S R Q Q A T W K V H P A L A E A G C I S L E E V A D Y P G Y L V R H H R
UniRef90_R4LH11 V S L E E V A D Y P G Y L V R H H R
UniRef90_R4LH11 V S L E E V A D Y P G Y L V R H H R
UniRef90_W8UDY1 A W S T F G S F N Y P D R F I L R H H R
UniRef90_W8UDY1 A W S T F G S F N Y P D R F I L R H H R
UniRef90_W8UDY1 A W S T F G S F N Y P D R F I L R H H R
UniRef90_W8UDY1 A W S T F G S F N Y P D R F I L R H H R
UniRef90_UPI0002B458AA L D S E L F K N D A S F I I R D N Y Y Y P G F V S I E E S T N N Y P G Y F L R H H Q
UniRef90_UPI0002B458AA L D S E L F K N D A S F I I R D N Y Y Y P G F V S I E E S T N N Y P G Y F L R H H Q
UniRef90_UPI0002B458AA L D S E L F K N D A S F I I R D N Y Y Y P G F V S I E E S T N N Y P G Y F L R H H Q
UniRef90_UPI0002B458AA L D S E L F K N D A S F I I R D N Y Y Y P G F V S I E E S T N N Y P G Y F L R H H Q
UniRef90_UPI0003710DCC D D R S A A F R E T A T W C P V K G Q A G S G T S F Q W G V G S P T R S L R D M
UniRef90_UPI0003710DCC D D R S A A F R E T A T W C P V K G Q A G S G T S F Q W G V G S P T R S L R D M
UniRef90_K0SFF2 P G A A T S E V R I M S E S I A G Q Y W K H H R
UniRef90_K0SFF2 P G A A T S E V R I M S E S I A G Q Y W K H H R
UniRef90_K0SFF2 P G A A T S E V R I M S E S I A G Q Y W K H H R
UniRef90_G6FNK6 T S A D A A P G I L S E F M M T P G L S D A S R V S F E A V D R P N Y F L H A S
UniRef90_UPI000443DEAE L H S D L Y K N D A S F I I R Q N Y Y S G Y I S F E E S T N N Y P G Y F L R H H Q
UniRef90_UPI0002B4A201 L H S D L Y K N D A S F I I R Q N Y Y S G Y I S F E E S T N N Y P G Y F L R H H Q
UniRef90_UPI0002B4A201 L H S D L Y K N D A S F I I R Q N Y Y S G Y I S F E E S T N N Y P G Y F L R H H Q
UniRef90_UPI0002B4A201 L H S D L Y K N D A S F I I R Q N Y Y S G Y I S F E E S T N N Y P G Y F L R H H Q
UniRef90_UPI0002B46B1C L Y S E L F K N D A S F I M R K N Y Y P N Y V S F E E S T N N Y P G Y F L R H H Q
UniRef90_UPI0002B46B1C L Y S E L F K N D A S F I M R K N Y Y P N Y V S F E E S T N N Y P G Y F L R H H Q
UniRef90_UPI0002B46B1C L Y S E L F K N D A S F I M R K N Y Y P N Y V S F E E S T N N Y P G Y F L R H H Q
UniRef90_UPI0002B46B1C L Y S E L F K N D A S F I M R K N Y Y P N Y V S F E E S T N N Y P G Y F L R H H Q
UniRef90_UPI0002B46B1C L Y S E L F K N D A S F I M R K N Y Y P N Y V S F E E S T N N Y P G Y F L R H H Q
UniRef90_J9HZ11 H S D S S F R A D A S F N V K K G L A D P N L L S S F E L S S S P D I L Y L R Q Y
UniRef90_J9HZ11 H S D S S F R A D A S F N V K K G L A D P N L L S S F E L S S S P D I L Y L R Q Y
UniRef90_G8S9Z4 H S D S S F R A D A S F N V K K G L A D P N L L S S F E L S S S P D I L Y L R Q Y
UniRef90_G8S9Z4 H S D S S F R A D A S F N V K K G L A D P N L L S S F E L S S S P D I L Y L R Q Y
UniRef90_G8RZS1 D S D L F R G D A T F C A E P G N S F R V R S K N Y P D Y F L H H R
UniRef90_G8RZS1 D S D L F R G D A T F C A E P G N S F R V R S K N Y P D Y F L H H R
UniRef90_I3JM52 G N I S D T P D I I S L F M M T P G L S D T S R V S F E A A D R P N Y F L S A S
UniRef90_UPI0003B6C67A G S D A F W D G A T F V L H R N T W I S G Y N S L E S H A K P G F F L H A T
UniRef90_UPI0003B6C67A G S D A F W D G A T F V L H R N T W I S G Y N S L E S H A K P G F F L H A T
UniRef90_UPI0003B6C67A G S D A F W D G A T F V L H R N T W I S G Y N S L E S H A K P G F F L H A T
UniRef90_F2R812 A G S K Q A D R E D A T W V V V P S L A A P G C Y S F E S S V R K P G H F L K Q P
UniRef90_M5U7K0 R I E S L S A P D H Y V R H T
UniRef90_M5U7K0 R I E S L S A P D H Y V R H T
UniRef90_M5U7K0 R I E S L S A P D H Y V R H T
UniRef90_A9WSY9 T N S P E L D R K S S T W K I V P G L Y D K T C I S F Q S L N F P Q Q Y L S A R
UniRef90_Q2SAW8 V G A S E L D I Q D A T F V L R A G L A E S N C Y S S F E S K N Y P K H F I R H T
UniRef90_UPI00039C4C15 G S V S L E S A D A H G R F L G V S
UniRef90_UPI00039C4C15 G S V S L E S A D A H G R F L G V S
UniRef90_UPI00039C4C15 G S V S L E S A D A H G R F L G V S
UniRef90_R4LN50 T V V A G R A D E S C F S F R T D D G R F M R H F
UniRef90_R1E0F6 S S H G G P F A L D A T F R P R P A L T G P G F V S Y E S V N F P S R Y I S H R
UniRef90_R1E0F6 S S H G G P F A L D A T F R P R P A L T G P G F V S Y E S V N F P S R Y I S H R

UniRef90_UPI0003B55448 D G Q L W I D P Q Q T D T D F L G G R A S F V P W P A T I P L P T S
UniRef90_UPI0003B55448 D G Q L W I D D P Q Q T D T D F L G G R A S F V P W P A T I P L P T S S
UniRef90_UPI0003B55448 D G Q L W I D D A T Q R D S E E D W Q W K K V T G L A P G G V S S F F E S V N F P
UniRef90_C7R560 H Y V G R I D A T R D S E E D W Q W K K V T G L A P G G V S S F F E S V N F P P P
UniRef90_C7R560 H Y V G R I D A T R D S E E D W Q W K K V T G L A P G G V S S F F E S V N F P P P
UniRef90_W4VDE1 D F D A R I D E N V I P K E D S Q W R L V P G L S E G Y V T I Q S V N H H P P
UniRef90_W4VDE1 D F D A R I D E N V I P K E D S Q W R L V P G L S E G Y V T I Q S V N H H P P
UniRef90_R4T0E7 N L R V R L A G N S D G T D V Y K L N A T W C A K A G R D P S T N V T L E A K A H P
UniRef90_K4R3W0 D G L V R L T T T S A D S T F K L L K G L A P S C Y S F A T A D
UniRef90_K4R3W0 D G L V R L T T T S A D S T F K L L K G L A P S C Y S F A T A D
UniRef90_I0HD96 D F R L E L T R A E N S E L F D R E D S T F N L E W D E S R N L V R F R S Y N Y P P
UniRef90_C3HA94 N F L G E L T P I E N S N L D R M D A T F N L E W D E S R N L V R F R S Y N Y P P
UniRef90_C3HA94 N F L G E L T P I E N S N L D R M D A T F N L E W D E S R N L V R F R S Y N Y P P
UniRef90_C3HA94 N F L G E L T P I E N S N L D R M D A T F N L E W D E S R N L V R F R S Y N Y P P
UniRef90_UPI000369C72F N F A G E L A T I G N D T D R R L D A T F D V V G G L A D D D S V S L R S A N F P
UniRef90_UPI000369C72F N F A G E L A T I G N D T D R R L D A T F D V V G G L A D D D S V S L R S A N F P
UniRef90_UPI000369C72F N F A G E L A T I G N S T A V R R R E A T F T V V R G L A D P N G F S L R A S D
UniRef90_A8L4V1 D G C I E V V S S V S S T A V R R R E A T F T V V R G L D P N G F S L R A S D
UniRef90_A8L4V1 D G C I E V V S S V S S T A V R R R E A T F T V V R G L D P N G F S L R A S D
UniRef90_UPI00047BD73E N G E F W L D A F E D T D L Y K Q D A S F Q Q R A G L D S N G V S F Q S V N Y P
UniRef90_W4V7H8 D F N L Y I E K I E N V L G E N D A T Y I
UniRef90_W4V7H8 D F N L Y I E K I E N V L G E N D A T Y I
UniRef90_UPI00036DE77A D F V L R L E R R G G S E L F A Q D A T F C T T P T G D G R G F I L E S V N Y P
UniRef90_I0BR19 D G D V R L D P V D S S S V F F D S K W Y I V P G L G A G Y V S L L Q S V D R P P
UniRef90_I0BR19 D G D V R L D P V D S S S V F F D S K W Y I V P G L G A G Y V S L L Q S V D R P P
UniRef90_I0BR19 D G D V R L D P V D S S S V F F D S K W Y I V P G L G A G Y V S L L Q S V D R P P
UniRef90_UPI00034A69D3 E S R V S E A E N D G S D L F A E D A S T W C G Q G G Y G V S L R S Y T C
UniRef90_UPI0002B42E24 D D S S A A I L L F G V E E F R E E V T S V E V E S F I G G Q A F S L E S I N Y P
UniRef90_UPI0002B42E24 D D S S A A I L L F G V E E F R E E V T S V E V E S F I G G Q A F S L E S I N Y P
UniRef90_UPI0002B42E24 D D S S A A I L L F G V E E F R E E V T S V E V E S F I G G Q A F S L E S I N Y P
UniRef90_UPI0002B42E24 D D S S A A I L L F G V E E F R E E V T S V E V E S F I G G Q A F S L E S I N Y P
UniRef90_UPI0002B42E24 D D S S A A I L L F G V E E F R E E V T S V E V E S F I G G Q A F S L E S I N Y P
UniRef90_UPI0002B42E24 D D S S A A I L L F G V E E F R E E V T S V E V E S F I G G Q A F S L E S I N Y P
UniRef90_UPI0002B42E24 D D S S A A I L L F G V E E F R E E V T S V E V E S F I G G Q A F S L E S I N Y P
UniRef90_UPI0002B42E24 D D S S A A I L L F G V E E F R E E V T S V E V E S F I G G Q A F S L E S I N Y P
UniRef90_UPI0002B42E24 D D S S A A I L L F G V E E F R E E V T S V E V E S F I G G Q A F S L E S I N Y P
UniRef90_UPI0002B42E24 D D S S A A I L L F G V E E F R E E V T S V E V E S F I G G Q A F S L E S I N Y P
UniRef90_UPI0002B42E24 D D S S A A I L L F G V E E F R E E V T S V E V E S F I G G Q A F S L E S I N Y P
UniRef90_UPI0002B42E24 D D S S A A I L L F G V E E F R E E V T S V E V E S F I G G Q A F S L E S I N Y P
UniRef90_UPI0002B42E24 D D S S A A I L L F G V E E F R E E V T S V E V E S F I G G Q A F S L E S I N Y P
UniRef90_UPI0002B42E24 D D S S A A I L L F G V E E F R E E V T S V E V E S F I G G Q A F S L E S I N Y P
UniRef90_UPI0002B42E24 D D S S A A I L L F G V E E F R E E V T S V E V E S F I G G Q A F S L E S I N Y P
UniRef90_UPI0002B42E24 D D S S A A I L L F G V E E F R E E V T S V E V E S F I G G Q A F S L E S I N Y P
UniRef90_UPI0003B4D0E0 A G S A A L A A D P V L G V S R F R V V S G L A G T A V S F E S V E Q P
UniRef90_UPI0003B4D0E0 A G S A A L A A D P V L G V S R F R V V S G L A G T A V S F E S V E Q P
UniRef90_G2QWT5 G F T L A L H P D D G T K Q R R E D A T F C A L E G G L G G V A R S W N Y P
UniRef90_R4LH1 N F R A R V D R I S S S D L D H A D S R F V V R A G L D A A C V S F E A S N Y A
UniRef90_R4LH1 N F R A R V D R I S S S D L D H A D S R F V V R A G L D A A C C V S F E A S N Y A
UniRef90_W8UDY1 N F E L D L L R M N S S D S D K M D A T F N L E W D E S R N L A R L R S Y N F P
UniRef90_W8UDY1 N F E L D L L R M N S S D S D K M D A T F N L E W D E S R N L A R L R S Y N F P
UniRef90_W8UDY1 N F E L D L L R M N S S D S D K M D A T F N L E W D E S R N L A R L R S Y N F P
UniRef90_W8UDY1 N F E L D L L R M N S S D S D K M D A T F N L E W D E S R N L A R L R S Y N F P
UniRef90_UPI0002B458AA D Y T I K L H K E E P V E L Y R R D A S F K L V Q S
UniRef90_UPI0002B458AA D Y T I K L H K E E P V E L Y R R D A S F K L V Q S
UniRef90_UPI0002B458AA D Y T I K L H K E E P V E L Y R R D A S F K L V Q S
UniRef90_UPI0002B458AA D Y T I K L H K E E P V E L Y R R D A S F K L V Q S
UniRef90_UPI0003710DCC G K A L Y V S Q N Y G D A K G H R E A T W K I A P P L E S
UniRef90_UPI0003710DCC G K A L Y V S Q N Y G D A K G H R E A T W K I A P P L E S
UniRef90_K0SFF2 N D D D I G I A N G G T Q Y K M I S P G L T G G T V S F E S Q W A I
UniRef90_K0SFF2 N D D D I G I A N G G T Q Y K M I S P G L T G G T V S F E S Q W A I
UniRef90_K0SFF2 N D D D I G I A N G G T Q Y K M I S P G L T G G T V S F E S Q W A I
UniRef90_G6FNK6 N F R L K L A R R I N Q K L F
UniRef90_UPI000443DEAE S G Q V R L A K W E G S D A F W D G A T F V H R N T W L S G Y D S L E S H A K P
UniRef90_UPI0002B4A201 D Y T V K L Q V E E P Y E L Y R R D A S F
UniRef90_UPI0002B4A201 D Y T V K L Q V E E P Y E L Y R R D A S F
UniRef90_UPI0002B4A201 D Y T V K L Q V E E P Y E L Y R R D A S F
UniRef90_UPI0002B4A201 D Y T V K L Q V E E P Y E L Y R R D A S F
UniRef90_UPI0002B46B1C D F T I K L Q Q E Q P D E L F K K D A
UniRef90_UPI0002B46B1C D F T I K L Q Q E Q P D E L F K K D A
UniRef90_UPI0002B46B1C D F T I K L Q Q E Q P D E L F K K D A
UniRef90_UPI0002B46B1C D F T I K L Q Q E Q P D E L F K K D A
UniRef90_J9HZ11 D D Q V I A G K R D N T Y Q F K D D A T W F I T P A L
UniRef90_J9HZ11 D D Q V I A G K R D N T Y Q F K D D A T W F I T P A L
UniRef90_G8S9Z4 D T A V I V A A V T A S S H D R R D A R F T V R A G R D P R C V S F E S A G E P
UniRef90_G8S9Z4 D T A V I V A A V T A S S H D R R D A R F T V R A G R D P R C V S F E S A G E P
UniRef90_G8RZS1 G T K L Y I D K P S E S D D F V A D S T F A L H T P T T S
UniRef90_G8RZS1 G T K L Y I D K P S E S D D F V A D S T F A L H T P T T S
UniRef90_I3JM52 N G Q L T L A K W Q E S E A F W E R A T F I R R N T W L P G Y D S L E S H A K P
UniRef90_UPI0003B6C67A P P R L H L L K F R H S Y G F R K A S L F R L T
UniRef90_UPI0003B6C67A P P R L H L L K F R H S Y G F R K A S L F R L T
UniRef90_UPI0003B6C67A P P R L H L L K F R H S Y G F R K A S L F R L T
UniRef90_F2R812 N L D V I N A P D D R S N A F R T A A S W C P V K G L S G T G T S F K W G V G P
UniRef90_M5U7K0 N F V L R V D S N V Q P S Q D A D W K I V E G L A P G S V S I Q S V N F P
UniRef90_M5U7K0 N F V L R V D S N V Q P S Q D A D W K I V E G L A P G S V S I Q S V N F P
UniRef90_A9WSY9 D V N V A T R G T D A S V L L P G E G T F C P R V G S T P D T M S F D W S G N Q
UniRef90_Q2SAW8 G S R L R I A E N D G S D L F K D D A T F C F G S D Q T L N S F N Y P
UniRef90_UPI00039C4C15 G D S A A L V A G P G S E P E R R L A T F T V L P G L D S E C F S F R A S D
UniRef90_UPI00039C4C15 G D S A A L V A G P G S E P E R R L A T F T V L P G L D S E C F S F R A S D
UniRef90_R4LN50 D Y R L R F D A D D G S E L F R N D A T F C P D D G T R A G T V R L R S K N Y P
UniRef90_R1E0F6 G F H L R I E H A E D S T L H R N D A S F R I E T S
UniRef90_R1E0F6 G F H L R I E H A E D S T L H R N D A S F R I E T S

UniRef90_UPI0003B55448
 UniRef90_UPI0003B55448
 UniRef90_UPI0003B55448
 UniRef90_C7R560 A
 UniRef90_C7R560 A
 UniRef90_C7R560 A
 UniRef90_W4VDE1 A
 UniRef90_W4VDE1 A
 UniRef90_R4T0E7
 UniRef90_K4R3W0
 UniRef90_K4R3W0
 UniRef90_I0HD96
 UniRef90_C3HA94 A
 UniRef90_C3HA94 A
 UniRef90_C3HA94 A
 UniRef90_UPI000369C72F A A
 UniRef90_UPI000369C72F A A
 UniRef90_UPI000369C72F A A
 UniRef90_A8L4V1 G A
 UniRef90_A8L4V1 G A
 UniRef90_UPI00047BD73E
 UniRef90_W4V7H8
 UniRef90_W4V7H8
 UniRef90_UPI00036DE77A
 UniRef90_I0BR19 A
 UniRef90_I0BR19 A
 UniRef90_I0BR19 A
 UniRef90_UPI00034A69D3
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0002B42E24
 UniRef90_UPI0003B4D0E0
 UniRef90_UPI0003B4D0E0
 UniRef90_G2QWT5 A A
 UniRef90_R4LH11 A
 UniRef90_R4LH11 A
 UniRef90_W8UDY1 A
 UniRef90_W8UDY1 A
 UniRef90_W8UDY1 A
 UniRef90_UPI0002B458AA
 UniRef90_UPI0002B458AA
 UniRef90_UPI0002B458AA
 UniRef90_UPI0002B458AA
 UniRef90_UPI0003710DCC
 UniRef90_UPI0003710DCC
 UniRef90_K0SFF2 S
 UniRef90_K0SFF2 S
 UniRef90_K0SFF2 S
 UniRef90_G6FNK6
 UniRef90_UPI000443DEAE
 UniRef90_UPI0002B4A201
 UniRef90_UPI0002B4A201
 UniRef90_UPI0002B4A201
 UniRef90_UPI0002B4A201
 UniRef90_UPI0002B46B1C
 UniRef90_UPI0002B46B1C
 UniRef90_UPI0002B46B1C
 UniRef90_UPI0002B46B1C
 UniRef90_UPI0002B46B1C
 UniRef90_J9HZ11
 UniRef90_J9HZ11
 UniRef90_G8S9Z4
 UniRef90_G8S9Z4
 UniRef90_G8RZS1
 UniRef90_G8RZS1
 UniRef90_I3JM52
 UniRef90_UPI0003B6C67A
 UniRef90_UPI0003B6C67A
 UniRef90_F2R8I2 A
 UniRef90_M5U7K0 A
 UniRef90_M5U7K0 A
 UniRef90_A9WSY9 A S
 UniRef90_Q2SAW8
 UniRef90_UPI00039C4C15 A
 UniRef90_UPI00039C4C15 A
 UniRef90_R4LN50
 UniRef90_R1E0F6
 UniRef90_R1E0F6

UniRef90_UPI000363F2FD D R Y L M H V D G G L T V S R P R D G H D R A R A T F F 130 140 150 160
UniRef90_UPI000398FB7D G Y F I H I S S S S V D L L K Y H H S E E Y R L S I L F K V D V K F K
UniRef90_S4XSR6
UniRef90_S4XSR6
UniRef90_UPI00045720CE
UniRef90_UPI00045720CE
UniRef90_C6WE63 N R Y A R V V D G V I R V D P Y E D S D A Y G R A A S F V R V E G L
UniRef90_C6WE63 N R Y A R V V D G V I R V D P Y E D S D A Y G R A A S F V R V E G L
UniRef90_UPI0002240067
UniRef90_UPI0002240067
UniRef90_UPI00046C2DAC G F F I H I S A S S V D L L K Y K H S E K F R L S T L F K V D A K F K
UniRef90_UPI0004438117 G F F I V F T D S S V K A S K Y D D S E E F K H S S S F S I E E I Q
UniRef90_K7FTZ5
UniRef90_K7FTZ5
UniRef90_UPI0002B49EC8 K M Y L R H Q N A I L H L H P I E S S S E L F K N D A S F I I R E
UniRef90_UPI0002B49EC8 K M Y L R H Q N A I L H L H P I E S S S E L F K N D A S F I I R E
UniRef90_UPI0002B49EC8 K M Y L R H Q N A I L H L H P I E S S S E L F K N D A S F I I R E
UniRef90_UPI0002B49EC8 K M Y L R H Q N A I L H L H P I E S S S E L F K N D A S F I I R E
UniRef90_F7C416
UniRef90_F7C416
UniRef90_UPI0003F13ED2
UniRef90_UPI0003F13ED2
UniRef90_UPI0001926936 S I Y I R H Q N N D V K T Y Q F E D S A L F R N E S S F F I R E
UniRef90_UPI0001926936 S I Y I R H Q N N D V K T Y Q F E D S A L F R N E S S F F I R E
UniRef90_UPI0001926936 S I Y I R H Q N N D V K T Y Q F E D S A L F R N E S S F F I R E
UniRef90_UPI0001926936 S I Y I R H Q N N D V K T Y Q F E D S A L F R N E S S F F I R E
UniRef90_UPI0001926936 S I Y I R H Q N N D V K T Y Q F E D S A L F R N E S S F F I R E
UniRef90_UPI0001926936 S I Y I R H Q N N D V K T Y Q F E D S A L F R N E S S F F I R E
UniRef90_UPI0001926936 S I Y I R H Q N N D V K T Y Q F E D S A L F R N E S S F F I R E
UniRef90_UPI0001926936 S I Y I R H Q N N D V K T Y Q F E D S A L F R N E S S F F I R E
UniRef90_UPI000395C65E
UniRef90_UPI000395C65E
UniRef90_H3DN78
UniRef90_H3DN78
UniRef90_UPI00038BBB2D
UniRef90_UPI00038BBB2D
UniRef90_H2UMH6
UniRef90_H2UMH6
UniRef90_HOZEQ6
UniRef90_UPI00011GEA3 G F F I H I S A S S V E L L K Y H H S E E F R L S T L F K V D V K F K L
UniRef90_UPI00011GEA3 K Y F I V Q D G T D V F L K R H V D E K G F K R S A T W M P R N G L
UniRef90_UPI00011GEA3 K Y F I V Q D G T D V F L K R H V D E K G F K R S A T W M P R N G L
UniRef90_UPI00011GEA3 K Y F I V Q D G T D V F L K R H V D E K G F K R S A T W M P R N G L
UniRef90_F1Q7R5
UniRef90_F1Q7R5
UniRef90_UPI0002B47F77 S K Y L R Q Q D L F L K L H S L D V Y N V E P F K N D A S F I L R E
UniRef90_UPI0002B47F77 S K Y L R Q Q D L F L K L H S L D V Y N V E P F K N D A S F I L R E
UniRef90_UPI0002B47F77 S K Y L R Q Q D L F L K L H S L D V Y N V E P F K N D A S F I L R E
UniRef90_UPI0002B47F77 S K Y L R Q Q D L F L K L H S L D V Y N V E P F K N D A S F I L R E
UniRef90_UPI0002B47F77 S K Y L R Q Q D L F L K L H S L D V Y N V E P F K N D A S F I L R E
UniRef90_UPI0002B47F77 S K Y L R Q Q D L F L K L H S L D V Y N V E P F K N D A S F I L R E
UniRef90_UPI0002B47F77 S K Y L R Q Q D L F L K L H S L D V Y N V E P F K N D A S F I L R E
UniRef90_M3Z187
UniRef90_M3Z187
UniRef90_H5XJU9 D R Y L R V D G T E L R I D P Y T D T D D Y G H D S G F V L E A G L
UniRef90_H5XJU9 D R Y L R V D G T E L R I D P Y T D T D D Y G H D S G F V L E A G L
UniRef90_R4T8N3 D R Y V R V D A T V R I D P Y D E S D A Y G R A A S F T Q V P G L
UniRef90_R4T8N3 D R Y V R V D A T V R I D P Y D E S D A Y G R A A S F T Q V P G L
UniRef90_UPI00035114AE
UniRef90_UPI00035114AE
UniRef90_F7FIY8
UniRef90_F7FIY8
UniRef90_G1P515
UniRef90_G1P515
UniRef90_UPI0003317783 G F F I V F S D S T V K A S K Y D D S E A F K Y S S S F
UniRef90_E9UNI7 G D Y L Q H D R G A L T V G S T P G R R S S T F A
UniRef90_UPI00037A381B G T Y L R H T G Y H V E L G T N D G S A R F R A D A T Y C V R R G
UniRef90_UPI00037A381B G T Y L R H T G Y H V E L G T N D G S A R F R A D A T Y C V R R G
UniRef90_UPI00037FA430
UniRef90_UPI00037FA430
UniRef90_UPI0003AF9779 G F F I I L T D S S A K A S K Y D D S E E F K H L S S F S V E E I Q
UniRef90_C4RNI4 D R Y V R V V D G T V Q I V P V A A G S P E A T A A S F R
UniRef90_C4RNI4 D R Y V R V V D G T V Q I V P V A A G S P E A T A A S F R
UniRef90_UPI000333354C
UniRef90_UPI000333354C
UniRef90_UPI00047D9C2E H S Y L A H R E G R L V V E R P R S W A D R Q R A T F R V R
UniRef90_O55225
UniRef90_O55225
UniRef90_H2LY69
UniRef90_H2LY69
UniRef90_UPI0003C179F9 G F F I I L T D S S A K A S K Y D D S E E F K H L S S F S V E E I Q
UniRef90_UPI0003C179F9 G F F I I L T D S S A K A S K Y D D S E E F K H L S S F S V E E I Q
UniRef90_UPI0003C179F9 G F F I I L T D S S A K A S K Y D D S E E F K H L S S F S V E E I Q
UniRef90_UPI0003D07F35
UniRef90_UPI0003D07F35
UniRef90_T5KK91 W R V M R S Y K N G L V Y G G A S W W D D T Q N Y I P D V A W T I G A P W
UniRef90_T5KK91 W R V M R S Y K N G L V Y G G A S W W D D T Q N Y I P D V A W T I G A P W
UniRef90_W5M269
UniRef90_W5M269
UniRef90_W5M269
UniRef90_G2WZW1 G L Y I A S E S N G L R V V G I G D I K G R L D V A T F
UniRef90_UPI0003AFD801
UniRef90_UPI0003AFD801
UniRef90_UPI00045DC6BB
UniRef90_UPI00045DC6BB

UniRef90_UPI000363F2FD
UniRef90_UPI000398FB7D
UniRef90_S4XSR6
UniRef90_S4XSR6
UniRef90_UPI00045720CE
UniRef90_UPI00045720CE
UniRef90_C6WE63 A
UniRef90_C6WE63 A
UniRef90_UPI0002240067
UniRef90_UPI0002240067
UniRef90_UPI00046C2DAC
UniRef90_UPI0004438117 A
UniRef90_K7FTZ5
UniRef90_K7FTZ5
UniRef90_UPI0002B49EC8
UniRef90_UPI0002B49EC8
UniRef90_UPI0002B49EC8
UniRef90_UPI0002B49EC8
UniRef90_UPI0002B49EC8
UniRef90_F7C416
UniRef90_F7C416
UniRef90_UPI0003F13ED2
UniRef90_UPI0003F13ED2
UniRef90_UPI0001926936
UniRef90_UPI0001926936
UniRef90_UPI0001926936
UniRef90_UPI0001926936
UniRef90_UPI0001926936
UniRef90_UPI0001926936
UniRef90_UPI0001926936
UniRef90_UPI0001926936
UniRef90_UPI0001926936
UniRef90_UPI0001926936
UniRef90_UPI000395C65E
UniRef90_UPI000395C65E
UniRef90_H3DN78
UniRef90_H3DN78
UniRef90_UPI00038BBB2D
UniRef90_UPI00038BBB2D
UniRef90_H2UMH6
UniRef90_H2UMH6
UniRef90_HOZEQ6
UniRef90_I1GEA3 A N
UniRef90_I1GEA3 A N
UniRef90_I1GEA3 A N
UniRef90_F1Q7R5
UniRef90_F1Q7R5
UniRef90_UPI0002B47F77
UniRef90_UPI0002B47F77
UniRef90_UPI0002B47F77
UniRef90_UPI0002B47F77
UniRef90_UPI0002B47F77
UniRef90_UPI0002B47F77
UniRef90_UPI0002B47F77
UniRef90_M3Z187
UniRef90_M3Z187
UniRef90_H5XJU9 A
UniRef90_H5XJU9 A
UniRef90_R4T8N3 S
UniRef90_R4T8N3 S
UniRef90_UPI00035114AE
UniRef90_UPI00035114AE
UniRef90_F7FIY8
UniRef90_F7FIY8
UniRef90_G1P515
UniRef90_G1P515
UniRef90_UPI0003317783
UniRef90_E9UNI7
UniRef90_UPI00037A381B
UniRef90_UPI00037A381B
UniRef90_UPI00037FA430
UniRef90_UPI0003AF9779 A A
UniRef90_C4RNI4
UniRef90_C4RNI4
UniRef90_UPI000333354C
UniRef90_UPI000333354C
UniRef90_UPI00047D9C2E
UniRef90_O55225
UniRef90_O55225
UniRef90_H2LY69
UniRef90_H2LY69
UniRef90_UPI0003C179F9 A A
UniRef90_I1GEA4
UniRef90_I1GEA4
UniRef90_I1GEA4
UniRef90_UPI0003D07F35
UniRef90_UPI0003D07F35
UniRef90_T5KK91
UniRef90_T5KK91
UniRef90_W5M269
UniRef90_W5M269
UniRef90_G2WZW1
UniRef90_UPI0003AFD801
UniRef90_UPI0003AFD801
UniRef90_UPI00045DC6BB
UniRef90_UPI00045DC6BB

UniRef90_M4GA37
UniRef90_M4GA37
UniRef90_F7HW98 D V V S L E A A D R P N F F L H T A N G S L E L A K W Q
UniRef90_F7HW98 D V V S L E A A D R P N F F L H T A N G S L E L A K W Q
UniRef90_W5NHK3 L P K I S

UniRef90_UPI0002B43072
UniRef90_UPI0002B43072
UniRef90_UPI0002B43072
UniRef90_UPI0002B43072
UniRef90_G3PZ76 S S S P T D T S R V S F E A A D R P N Y F L S A G A G G R V S L S K
UniRef90_G3PZ76 S S S P T D T S R V S F E A A D R P N Y F L S A G A G G R V S L S K
UniRef90_UPI00035DB945 V P L N Q T I S L R S Q A N Y P N M C L K H E N F Q M Y L R P C D
UniRef90_L5LM11 A D P D V V S L E A A D R P N F F L H I T A N G S L E L A K
UniRef90_L5LM11 A D P D V V S L E A A D R P N F F L H I T A N G S L E L A K
UniRef90_F1RYK6 I T P G L F K E K A S T V L V S L E S A E R P N Y F F F V Q D D D L R L K L W E
UniRef90_F1RYK6 I T P G L F K E K A S T V L V S L E S A E R P N Y F F F V Q D D D L R L K L W E
UniRef90_UPI0003991595 I T P G L F K D K D S F L S L S L E S A E R P N Y F L V H D N E T I G L E Q W Q
UniRef90_UPI0003991595 I T P G L F K D K D S F L S L S L E S A E R P N Y F L V H D N E T I G L E Q W Q

UniRef90_K0T1J2
UniRef90_K0T1J2
UniRef90_K0T1J2
UniRef90_G1KPN8 P G L V K D K I L S V S L E S A E R P N Y F L V H D D R S V S L E Q W V
UniRef90_G1KPN8 P G L V K D K I L S V S L E S A E R P N Y F L V H D D R S V S L E Q W V
UniRef90_G3UUM6 L T S G P K A H D S N L V S L E A A E R P N Y F L Q L S S S T L V L S K W
UniRef90_G3UUM6 L T S G P K A H D S N L V S L E A A E R P N Y F L Q L S S S T L V L S K W
UniRef90_F6PH42 V R Q A N G A V V L A L H E
UniRef90_G1K880
UniRef90_G3WYG3

UniRef90_UPI000441A27A
UniRef90_G3SV44 D V V S L E A A D R P N F F L H V T N G S V E L A K W Q
UniRef90_G3SV44 D V V S L E A A D R P N F F L H V T N G S V E L A K W Q
UniRef90_UPI000441B09C L T P G L K I L A S S L I S L E A E R P N N F L Y V H N D N S I F L A Q W
UniRef90_UPI000441B09C L T P G L K I L A S S L I S L E A E R P N N F L Y V H N D N S I F L A Q W
UniRef90_M2Z610
UniRef90_M2Z610

UniRef90_H0XX80 V A P G D I V S F L L T A A L Y K A K A H D P D V V F L H V T A
UniRef90_H0XX80 V A P G D I V S F L L T A A L Y K A K A H D P D V V F L H V T A
UniRef90_Q2SAH2 R V L R H S G S Y I W D V S L N
UniRef90_L9LA13 V A P G D I V S F R L T A A L Y Q A K A H D P D V V F L H V T A
UniRef90_L9LA13 V A P G D I V S F R L T A A L Y Q A K A H D P D V V F L H V T A
UniRef90_H3B6M4
UniRef90_F1NNK1
UniRef90_F1NNK1 P G L F K D K D L S L S L V S L E C A E R Y V H A D E T V G L E Q W Q
UniRef90_UPI0003503163 P G L F K D K D L S L S L V S L E C A E R Y V H A D E T V G L E Q W Q
UniRef90_UPI0003503163 D V V S L E A A D P N F F L Y I T A N G S V E L A K W Q
UniRef90_UPI0004571529 D V V S L E A A D P N F F L Y I T A N G S V E L A K W Q
UniRef90_UPI0004648949 L Q S H A N T D E Y V C Y G D G E E T T L
UniRef90_UPI00033170D8 D V V S L E A A D R P N F F L S V T N G S L H L A Q W Q
UniRef90_UPI00033170D8 D V V S L E A A D R P N F F L S V T N G S L H L A Q W Q

UniRef90_C9SNC8
UniRef90_C9SNC8
UniRef90_H2UPQ0 V S L E S A E R P N Y F L A V S G G S H L Q L E H
UniRef90_H2UPQ0 V S L E S A E R P N Y F L A V S G G S H L Q L E H
UniRef90_K7G6G9 P G L G L G E G P Y I L A S Y G Q N D T I T G A N I T S R L S R I S
UniRef90_K7G6F8 A E R P N Y F L Y V H D N E T V T L E Q W A
UniRef90_K7G6F8 A E R P N Y F L Y V H D N E T V T L E Q W A
UniRef90_F6QL90 D V V S L E A A D R P N F F L H V T N G S L E L A K W Q
UniRef90_F6QL90 D V V S L E A A D R P N F F L H V T N G S L E L A K W Q
UniRef90_UPI0003683AB3 Y V A H S W F H G M I T N L S
UniRef90_M7BWQ9 A E R P N Y F L Y V H D N E T V T L E Q W S
UniRef90_M7BWQ9 A E R P N Y F L Y V H D N E T V T L E Q W S
UniRef90_F7HFP4 D V V S L E A A D R P N F F L H V T N G S L E L A K W Q
UniRef90_F7HFP4 D V V S L E A A D R P N F F L H V T N G S L E L A K W Q
UniRef90_UPI000443936F D V V S L E A A G R P N F F L V V T N G S L E L A K W R
UniRef90_UPI000443936F D V V S L E A A G R P N F F L V V T N G S L E L A K W R
UniRef90_UPI00037451F3
UniRef90_UPI00037451F3

UniRef90_G5BNQ2 D V V S L E A A D P N F F L Y I T A N G S V E L A K W Q
UniRef90_G5BNQ2 D V V S L E A A D P N F F L Y I T A N G S V E L A K W Q
UniRef90_H3B7Q1
UniRef90_T0MKZ5 V S L E A A D R P N F F L H V T N G S L E L A K W Q
UniRef90_T0MKZ5 V S L E A A D R P N F F L H V T N G S L E L A K W Q
UniRef90_H2GD99 N V V S I R S A G R N A A G K I V R I S W T G I E L S Q L D
UniRef90_G3PI95 V S L E S A E R P N Y F L V V S G R S L Q L E R W S
UniRef90_G3PI95 V S L E S A E R P N Y F L V V S G R S L Q L E R W S
UniRef90_J3PFM7
UniRef90_J3PFM7
UniRef90_J3PFM7

UniRef90_UPI0003F17867 D V V S L E A A D R P N F F L Q V T N G S L E L T K W Q
UniRef90_UPI0003F17867 D V V S L E A A D R P N F F L Q V T N G S L E L T K W Q
UniRef90_UPI000332FCBD D V V S L E A A D R P N F F L H V T N G S V E L A K W Q
UniRef90_UPI000332FCBD D V V S L E A A D R P N F F L H V T N G S V E L A K W Q
UniRef90_U7LSY1 N V V S L R S A G R N A A G R I L R L S W S G V E L S T L D
UniRef90_UPI000333B2C0 V S L E A A D R P N F F L R V T N G S L E L A K W Q
UniRef90_UPI000333B2C0 V S L E A A D R P N F F L R V T N G S L E L A K W Q
UniRef90_H2GHZ2 V V S L R S A G R N A A G K T L R L S W A G V E L T S L D
UniRef90_UPI0003837DB1

UniRef90_H3DPH1 I S L E S A E R P N Y F L A V S G D G H L Q M E H
UniRef90_H3DPH1 I S L E S A E R P N Y F L A V S G D G H L Q M E H
UniRef90_F2U066 F E S T A S P S H Y I I H N G R Q L E L A V L
UniRef90_F2U066 F E S T A S P S H Y I I H N G R Q L E L A V L
UniRef90_F2U066 F E S T A S P S H Y I I H N G R Q L E L A V L

UniRef90_UPI0003F17867
UniRef90_UPI0003F17867
UniRef90_UPI000332FCBD
UniRef90_UPI000332FCBD
UniRef90_U7LSY1
UniRef90_UPI000333B2C0
UniRef90_UPI000333B2C0
UniRef90_H2GHZ2
UniRef90_UPI0003837DB1

UniRef90_H3DPH1
UniRef90_H3DPH1
UniRef90_F2U066
UniRef90_F2U066
UniRef90_F2U066

UniRef90_M4GA37
UniRef90_M4GA37
UniRef90_F7HW98
UniRef90_F7HW98
UniRef90_W5NHH3
UniRef90_UPI0002B43072
UniRef90_UPI0002B43072
UniRef90_UPI0002B43072
UniRef90_UPI0002B43072
UniRef90_G3PZ76
UniRef90_G3PZ76
UniRef90_UPI00035DB945
UniRef90_L5LM11
UniRef90_L5LM11
UniRef90_F1RYK6
UniRef90_F1RYK6
UniRef90_UPI0003991595
UniRef90_UPI0003991595
UniRef90_K0T1J2
UniRef90_K0T1J2
UniRef90_K0T1J2
UniRef90_G1KPN8
UniRef90_G1KPN8
UniRef90_G3UUM6
UniRef90_G3UUM6
UniRef90_F6PH42
UniRef90_G1K880
UniRef90_G3WYG3
UniRef90_UPI000441A27A
UniRef90_G3SV44
UniRef90_G3SV44
UniRef90_UPI000441B09C
UniRef90_UPI000441B09C
UniRef90_M2Z610
UniRef90_M2Z610
UniRef90_H0XX80
UniRef90_H0XX80
UniRef90_Q2SAH2
UniRef90_L9LAI3
UniRef90_L9LAI3
UniRef90_H3B6M4
UniRef90_F1NNK1
UniRef90_F1NNK1
UniRef90_UPI0003503163
UniRef90_UPI0003503163
UniRef90_UPI0004571529
UniRef90_UPI0004648949
UniRef90_UPI00033170D8
UniRef90_UPI00033170D8
UniRef90_C9SNC8
UniRef90_C9SNC8
UniRef90_H2UPQ0
UniRef90_H2UPQ0
UniRef90_K7G6G9
UniRef90_K7G6F8
UniRef90_K7G6F8
UniRef90_F6QL90
UniRef90_F6QL90
UniRef90_UPI0003683AB3
UniRef90_M7BWQ9
UniRef90_M7BWQ9
UniRef90_F7HFP4
UniRef90_F7HFP4
UniRef90_UPI000443936F
UniRef90_UPI000443936F
UniRef90_UPI00037451F3
UniRef90_UPI00037451F3
UniRef90_G5BNQ2
UniRef90_G5BNQ2
UniRef90_H3B7Q1
UniRef90_T0MKZ5
UniRef90_T0MKZ5
UniRef90_H2GD99
UniRef90_G3PI95
UniRef90_G3PI95
UniRef90_J3PFM7
UniRef90_J3PFM7
UniRef90_J3PFM7
UniRef90_UPI0003F17867
UniRef90_UPI0003F17867
UniRef90_UPI000332FCBD
UniRef90_UPI000332FCBD
UniRef90_U7LSY1
UniRef90_UPI000333B2C0
UniRef90_UPI000333B2C0
UniRef90_H2GHZ2
UniRef90_UPI0003837DB1
UniRef90_H3DPH1
UniRef90_H3DPH1
UniRef90_F2U066
UniRef90_F2U066
UniRef90_F2U066

50 60 70 80

GR DAFQQRAS FSLH WGMWH AGLVRLRS SA AAKK P GS FFLY HH
GR DAFQQRAS FSLH WGMWH AGLVRLRS SA AAKK P GS FFLY HH
AEGS VLFN FMI T AGLYKDR FVVS FESAE KRPNY FFLY CI S
FCI VVK PLNGSDDAVS SLQLVK DSDSSSQYLRRLQQ
FCI VVK PLNGSDDAVS SLQLVK DSDSSSQYLRRLQQ
FCI VVK PLNGSDDAVS SLQLVK DSDSSSQYLRRLQQ
WE EGEAFRE GATF VLV HRNTWS PGYDALS ESHARR P GGFLL HAT
WE EGEAFRE GATF VLV HRNTWS PGYDALS ESHARR P GGFLL HAT
FN NN DF KF EVV PQGLD SNKJ I S FESVLS H PRG GYFL RHV K
WQGS DAF HRHASF SLHQGT WR AGLVVALES SLAE P GGS FFL HV S
WQGS DAF HRHASF SLHQGT WR AGLVVALES SLAE P GGS FFL HV S
ASS AF HRRAT F F H H QGLWI P S Y S A F E L L Y S K K G G F F I I L T
ASS AF HRRAT F F H H QGLWI P S Y S A F E L L Y S K K G G F F I I L T
ASS S FWR R AT F F H H H G L W S P G L S A F E L L H S K K G G F F I I L T
ASS S FWR R AT F F H H H G L W S P G L S A F E L L H S K K G G F F I I L T
F I S E G S S R E Y W T V G S S
F I S E G S S R E Y W T V G S S
F I S E G S S R E Y W T V G S S
ASS AFRRRAT F F H H QGLWI P G Y S A F E L L H R K K G G F F I I L T
ASS AFRRRAT F F H H QGLWI P G Y S A F E L L H R K K G G F F I I L T
EKSEEFHNKST FVI HKNTWL S G Y S S L E S F A K P G Y F I I H I S
EKSEEFHNKST FVI HKNTWL S G Y S S L E S F A K P G Y F I I H I S
N V G S E D T I N F L L T P S V Y D S D L V S F E S A D R P N Y F L H V S
S F A P G D A V N F M L T S G L Y D S D L V S F E S A D R P N Y F L H V S
T F M L T P K A Y D P H L V S L E A A D R P N Y F L Y A P
G S D A F Y H R A T F S L H R G T W Q A G L V A L E S L A E P G S F F L Y V V S
G S D A F Y H R A T F S L H R G T W Q A G L V A L E S L A E P G S F F L Y V V S
D A S L S F R R R A T F I H H Q G L W I S G Y S A F E L L H S K K G G F F I I L T
D A S L S F R R R A T F I H H Q G L W I S G Y S A F E L L H S K K G G F F I I L T
Y L T T D R
Y L T T D R
Y L T T D R
N G S L E L A K W Q A S F S L H R G T W Q A G L V A L E S L A K P G S F F L C S S S
N G S L E L A K W Q A S F S L H R G T W Q A G L V A L E S L A K P G S F F L C S S S
P R P T D L D I N D S Q F F L R R Q G L A S E E C Y S F E S L V N A K P P G Y F I I R H E
P R P T D L D I N D S Q F F L R R Q G L A S E E C Y S F E S L V N A K P P G Y F I I R H E
N G S L E L A K W Q A S F S L H R G T W R P G L V A L E S L A Q P P S S F L S S G L
N G S L E L A K W Q A S F S L H R G T W R P G L V A L E S L A Q P P S S F L S S G L
S F M L T P G L Y D T S L I S F E A A E R K P N F F L L L S
S F M L T P G L Y D T S L I S F E A A E R K P N F F L L L S
A S T S F Q R R A T F F H H Q G L W S P G L S A F E L L H S K K G G F F I I L T
A S T S F Q R R A T F F H H Q G L W S P G L S A F E L L H S K K G G F F I I L T
G G E A F H H H A S F S L H R G T W R E G L V A L E S L A K P G S F F L Y V S
G G E A F H H H A S F S L H R G T W R E G L V A L E S L A K P G S F F L Y V S
F M I A P G L Y K G R Q V S F E S A E R K P N Y F L H A V
F M I A P G L Y K G R Q V S F E S A E R K P N Y F L H A V
A E L N A A D H W Q Y K W H V E P L V E G G N T V S F Q P E T R M G Y Y L V I A Q
D S D T F R G R A S F A L H R G T G R E G L V A L E S L A E P G A F L H A A A
D S D T F R G R A S F A L H R G T G R E G L V A L E S L A E P G A F L H A A A
R L R S S A N S T Q Y I R H N
R L R S S A N S T Q Y I R H N
R L R S S A N S T Q Y I R H N
W S Q G A E F S R R A T F I Q H Q G L F L P G F T S F E L F G Q P G I F L T L T
W S Q G A E F S R R A T F I Q H Q G L F L P G F T S F E L F G Q P G I F L T L T
T Y G N V G F S F M I T P G L F K D K L V S L E S A E R K P N Y F L V H D
T Y G N V G F S F M I T P G L F K D K L V S L E S A E R K P N Y F L V H D
A S S S F R R R A T F F H H Q G L W I P D Y S A F E L L H N K K G G F F I I L T
A S S S F R R R A T F F H H Q G L W I P D Y S A F E L L H N K K G G F F I I L T
G S D A F H H R A S F S L H R G M W R A G L V A L E S L A E P G C C F L Y V V S
G S D A F H H R A S F S L H R G M W R A G L V A L E S L A E P G C C F L Y V V S
D T A N G Q L P V D F D W R P V A G L A D P T L V S F E A V G Y P G Y Y L R I D
D T A N G Q L P V D F D W R P V A G L A D P T L V S F E A V G Y P G Y Y L R I D
A S S S F R R R A T F F H H Q G L W I P D Y S A F E L L H N K K G G F F I I L T
A S S S F R R R A T F F H H Q G L W I P D Y S A F E L L H N K K G G F F I I L T
G R D A F Q Q H A S F L L H R G T W Q A G L V A L E S L A K P S S F F L C A S
G R D A F Q Q H A S F L L H R G T W Q A G L V A L E S L A K P S S F F L C A S
G S D A F H R H A S F S L H R G T W Q E G L V A L E S L T E P G S F L S A S
G S D A F H R H A S F S L H R G T W Q E G L V A L E S L T E P G S F L S A S
N I A G Q Y L R E T
N I A G Q Y L R E T
N I A G Q Y L R E T
G G E A F H H R A S F S L H R G T W R E G L V A L E S L A K P G S F F L Y V V S
G G E A F H H R A S F S L H R G T W R E G L V A L E S L A K P G S F F L Y V V S
S F M I T P G L Y K S K V S F E S L A E R P N Y F L C A Y
S F M I T P G L Y K S K V S F E S L A E R P N Y F L C A Y
G S D A F H H H A S F L L H W G T W R G G L V A L E S L V E P R A F L S V S
G S D A F H H H A S F L L H W G T W R G G L V A L E S L V E P R A F L S V S
R N S A F N D R L D A S F K V V P A L D G S Q C V S L E A A S Y P G V Y L M Q S
R N S A F N D R L D A S F K V V P A L D G S Q C V S L E A A S Y P G V Y L M Q S
R G P E F S L R G T F I Q H Q G L F L P G H T S F E L V G Q P G V F L T L T
R G P E F S L R G T F I Q H Q G L F L P G H T S F E L V G Q P G V F L T L T
V P V A E G P H P M R L R N A A D Q N L Y I H H
V P V A E G P H P M R L R N A A D Q N L Y I H H
V P V A E G P H P M R L R N A A D Q N L Y I H H
S S D V F Y H R A T F S L H R E T W Q A G L V A L E S L A E P G S F F L Y V V S
S S D V F Y H R A T F S L H R E T W Q A G L V A L E S L A E P G S F F L Y V V S
G D E A F H R H A S F L L H R G T W R E G L V A L E P L T K P G F F L F V F
G D E A F H R H A S F L L H R G T W R E G L V A L E P L T K P G F F L F V F
R N S Q F N D R L D G S F K V V P A L D G S Q C I S L E A A A Y P G V Y L M R T
R N S Q F N D R L D G S F K V V P A L D G S Q C I S L E A A A Y P G V Y L M R T
A S D A F Y H H A T F S L H R G T W Q A G L V A L E S L A K P G S F F L Y G L
A S D A F Y H H A T F S L H R G T W Q A G L V A L E S L A K P G S F F L Y G L
R N S G F N D R L D A S F K V V P A R D G S Q C V S L E A A A Y P G V Y L M Q S
R N S G F N D R L D A S F K V V P A R D G S Q C V S L E A A A Y P G V Y L M Q S
W S Q G T E F S R R A T F I Q H Q G L F L P G L T A F E L V G Q P G T F L T L A
W S Q G T E F S R R A T F I Q H Q G L F L P G L T A F E L V G Q P G T F L T L A
D G T Q A F R A A G S W N I V A G K G G H G A I S F E S T S N P G K Y L V V E
D G T Q A F R A A G S W N I V A G K G G H G A I S F E S T S N P G K Y L V V E
D G T Q A F R A A G S W N I V A G K G G H G A I S F E S T S N P G K Y L V V E
D G T Q A F R A A G S W N I V A G K G G H G A I S F E S T S N P G K Y L V V E

UniRef90_M4GA37 G V S K S V T L D D G S G A V Q D T Q F M I S P G L E G G T V S F E S A S N P 90 100 110 120
UniRef90_M4GA37 G V S K S V T L D D G S G A V Q D T Q F M I S P G L E G G T V S F E S A S N P
UniRef90_F7HW98 G L V L A L R L R L Y E H T E A F R R R G T L F R L L D A K P S G A
UniRef90_F7HW98 G L V L A L R L R L Y E H T E A F R R R G T L F R L L D A K P S G A
UniRef90_W5NHH3 E S R L R L R L E Q W S A G E E F R R R R A T F F H H Q G L W P G Y S S F E L Y S E K
UniRef90_UPI0002B43072 D N V L K L H S I D I F S S F K N D A S F I L R N Y Y Y P G Y V S F E S A S N P
UniRef90_UPI0002B43072 D N V L K L H S I D I F S S F K N D A S F I L R N Y Y Y P G Y V S F E S A S N P
UniRef90_UPI0002B43072 D N V L K L H S I D I F S S F K N D A S F I L R N Y Y Y P G Y V S F E S A S N P
UniRef90_UPI0002B43072 D N V L K L H S I D I F S S F K N D A S F I L R N Y Y Y P G Y V S F E S A S N P
UniRef90_G3PZ76 P A R L H L L K Y R H A D S F R K A T L F R L T G P S P D A
UniRef90_G3PZ76 P A R L H L L K Y R H A D S F R K A T L F R L T G P S P D A
UniRef90_UPI00035DB945 S Y K M R M D K L S S S T Q L K S D A S F W A V Q S Y A D L N R F A F R I P
UniRef90_L5LM1 G P T L A L R P Y E H S E V F R R R G T L F R L
UniRef90_L5LM1 G P T L A L R P Y E H S E V F R R R G T L F R L
UniRef90_F1RYK6 D S S A R A S K Y D D S E E F K H L S S F R I E E T Q A A
UniRef90_F1RYK6 D S S A R A S K Y D D S E E F K H L S S F R I E E T Q A A
UniRef90_UPI0003991595 S S G V K V A K Y D D S E E F K H L S S F N I E E
UniRef90_UPI0003991595 S S G V K V A K Y D D S E E F K H L S S F N I E E
UniRef90_K0T1J2 D G S V R V D L E G A T A F R V T S S P G L S G G G V S F E I I G R P
UniRef90_K0T1J2 D G S V R V D L E G A T A F R V T S S P G L S G G G V S F E I I G R P
UniRef90_K0T1J2 D G S V R V D L E G A T A F R V T S S P G L S G G G V S F E I I G R P
UniRef90_G1KPN8 I S A V K V A K Y D N S E E F K R A S S F S I E
UniRef90_G1KPN8 I S A V K V A K Y D N S E E F K R A S S F S I E
UniRef90_G3UUM6 M S S V E L L K Y H H S E E F R
UniRef90_G3UUM6 M S S V E L L K Y H H S E E F R
UniRef90_F6PH42 N G S L S L A K W E Q S E G F Q K R A T F I H R S T W L P G Y D A L E S F G E P
UniRef90_G1K880 N N T L V L S K W E R N E G F Q N R S T F I H R K D T W L S G Y S F E S F A V P
UniRef90_G3WYG3 N G S L S L A K W E R N E G F H K N R A T F I H R S T W L P G Y D A L E S F N E P
UniRef90_UPI000441A27A N N T L V L S K W E R N E G F Q N R S T F I H K N T W F S G Y S S F E S F A I P
UniRef90_G3SV44 G P T L V L R L Y E H T E A F R R R S T L F R L
UniRef90_G3SV44 G P T L V L R L Y E H T E A F R R R S T L F R L
UniRef90_UPI000441B09C T S A V K I S K F D D T E E F K S L S S F S I E
UniRef90_UPI000441B09C T S A V K I S K F D D T E E F K S L S S F S I E
UniRef90_M2Z610 N G D V V L E Q W Q P G N R P E A Q W R I E P G L N P E C F S F Q S V S R P
UniRef90_M2Z610 N G D V V L E Q W Q P G N R P E A Q W R I E P G L N P E C F S F Q S V S R P
UniRef90_H0XX80 G P V L T L Q L Y E H T E A F R R R G T L F R L L D A N P S G A
UniRef90_H0XX80 G P V L T L Q L Y E H T E A F R R R G T L F R L L D A N P S G A
UniRef90_Q2SAH2 G F R L K I S E D E M Y P T S R E D A T F C F D D Y G K L A A F N Y S
UniRef90_L9LAI3 G P A L A L R L Y E H S E A F R R R A T L F R L L D A K P S G A A Y P
UniRef90_L9LAI3 G P A L A L R L Y E H S E A F R R R A T L F R L L D A K P S G A A Y P
UniRef90_H3B6M4 N G S L F L S K W E E N E E F Q T S S T F I L H D T W L T G Y S S F E S F K K P
UniRef90_F1NKK1 S S G V K V A K Y D D S E E F K R M S S F S I E
UniRef90_F1NKK1 S S G V K V A K Y D D S E E F K R M S S F S I E
UniRef90_UPI0003503163 R S V L A L R H Y V H T E A F R R R G T L F R L
UniRef90_UPI0003503163 R S V L A L R H Y V H T E A F R R R G T L F R L
UniRef90_UPI0004571529 N G S L R L E K W R D S E A F W K E S S F I H H N K W I S G Y S T F E L Y N R K
UniRef90_UPI0004648949 D G E V A I V E H D G T D E F A R A A T F E R V S G L A G E G A S F R S L E N R
UniRef90_UPI00033170D8 G S A L A L R P F Q H S E A F R S A T L F R L L D A K P S G A A Y P
UniRef90_UPI00033170D8 G S A L A L R P F Q H S E A F R S A T L F R L L D A K P S G A A Y P
UniRef90_C9SNC8 E Q G V V T V E A D G E N L F R I V S P G L A G D A V S I E S A S Q P
UniRef90_C9SNC8 E Q G V V T V E A D G E N L F R I V S P G L A G D A V S I E S A S Q P
UniRef90_H2UPQ0 R A V A Q A Q R Y D T T D S F K V R G S F A L E E S S S F V I P
UniRef90_H2UPQ0 R A V A Q A Q R Y D T T D S F K V R G S F A L E E S S S F V I P
UniRef90_K7G6G9 N E T V T L E S Q W A A S S F R R R A T F F H H Q G W I P D Y S A F E L H N K K
UniRef90_K7G6F8 A S G V K V S K Y D N S E E F K R T S S F S I E
UniRef90_K7G6F8 A S G V K V S K Y D N S E E F K R T S S F S I E
UniRef90_F6QL90 G P T L V L R V Y E H T E A F R R R G T L F R L L D A R P S G V A Y P
UniRef90_F6QL90 G P T L V L R V Y E H T E A F R R R G T L F R L L D A R P S G V A Y P
UniRef90_UPI0003683AB3 S N L V W L D P Y V N T T V F K S D A S F R K V A A L N G M V S F Q W Y G N S
UniRef90_M7BWQ9 A S G I K V S K Y D D S E E F K H T S S F S I E
UniRef90_M7BWQ9 A S G I K V S K Y D D S E E F K H T S S F S I E
UniRef90_F7HFP4 G P V L A L R L Y E H T E V F R R R G T L F R L L D A K P S G A
UniRef90_F7HFP4 G P V L A L R L Y E H T E V F R R R G T L F R L L D A K P S G A
UniRef90_UPI000443936F G S A L A L R Q Y Q H T E A F R R R G T L F
UniRef90_UPI000443936F G S A L A L R Q Y Q H T E A F R R R G T L F
UniRef90_UPI00037451F3 A D G V V V K P G S A E P A P G E D A T W R V V A G Q A G E G F S L E S P A K P
UniRef90_UPI00037451F3 A D G V V V K P G S A E P A P G E D A T W R V V A G Q A G E G F S L E S P A K P
UniRef90_G5BNQ2 R S V L A L R H Y V H T E A F R R R G T L F R L
UniRef90_G5BNQ2 R S V L A L R H Y V H T E A F R R R G T L F R L
UniRef90_H3B7Q1 N G T I G L G Q W E P S L V F H K A A T F F H H Q G W M K G Y S S F E V Y M K R
UniRef90_T0MKZ5 G S V L A L R L Y E H T E A F R R R G S L F R L L D A K P S G A V T F E W H
UniRef90_T0MKZ5 G S V L A L R L Y E H T E A F R R R G S L F R L L D A K P S G A V T F E W H
UniRef90_H2GD99 N G T V S A Q S S P S P R G A T W C P S T T E T P T G T R L J A S A M N Q
UniRef90_G3PI95 R T A A Q A E P Y D S S E G F K A S S C F
UniRef90_G3PI95 R T A A Q A E P Y D S S E G F K A S S C F
UniRef90_J3PFM7 E G V G K A V T L D G T G A V Q D T Q F R V S P G L D G G T V S F E S A S N P
UniRef90_J3PFM7 E G V G K A V T L D G T G A V Q D T Q F R V S P G L D G G T V S F E S A S N P
UniRef90_J3PFM7 E G V G K A V T L D G T G A V Q D T Q F R V S P G L D G G T V S F E S A S N P
UniRef90_UPI0003F17867 G P T L V L R L Y E H T A A F R Q S I L F R L L D A K P S G A
UniRef90_UPI0003F17867 G P T L V L R L Y E H T A A F R Q S I L F R L L D A K P S G A
UniRef90_UPI000332FCBD G L G L S L R L Y E H T E A F R R R G T L F H L
UniRef90_UPI000332FCBD G L G L S L R L Y E H T E A F R R R G T L F H L
UniRef90_U7LSY1 N G T V S A L S S P S P Q G A T W C P S T S E T P T G T R L J S S A L N Q
UniRef90_UPI000333B2C0 G P T L V L R L Y E H T A A F R R R N M L F R L
UniRef90_UPI000333B2C0 G P T L V L R L Y E H T A A F R R R N M L F R L
UniRef90_H2GHZ2 N G S V T V Q S N P N A K G A T W C P S A A E T P T G T R L J A S A L N Q
UniRef90_UPI0003837DB1 N R G L R L E H W Y D N T G E E F R R R A T F L H H Q G L W P G R S S F E L H S Q K
UniRef90_H3DPH1 H T F A R A K R Y D N T D S F K I S S S F T L E E S S F V I P
UniRef90_H3DPH1 H T F A R A K R Y D N T D S F K I S S S F T L E E S S F V I P
UniRef90_F2U066 K R T A R A Y Q V V F R A D T T F N D P Y V A Y V T L E C A A F P
UniRef90_F2U066 K R T A R A Y Q V V F R A D T T F N D P Y V A Y V T L E C A A F P
UniRef90_F2U066 K R T A R A Y Q V V F R A D T T F N D P Y V A Y V T L E C A A F P

UniRef90_M4GA37 G S F L R V I N M G L Q L Q A V K G S D V 130 140 150 160 N F S Q E T T F R Q V P G L
 UniRef90_M4GA37 G S F L R V I N M G L Q L Q A V K G S D V N F S Q E T T F R Q V P G L
 UniRef90_F7HW98
 UniRef90_F7HW98
 UniRef90_W5NHH3 G F F L T L T R T E I R A V G Y D Y A E E F K H I S S F T V E D
 UniRef90_UPI0002B43072 K Y Y L G H Q S D T I K L L R E E P F V E L Y K K D T S F K L V Q
 UniRef90_UPI0002B43072 K Y Y L G H Q S D T I K L L R E E P F V E L Y K K D T S F K L V Q
 UniRef90_UPI0002B43072 K Y Y L G H Q S D T I K L L R E E P F V E L Y K K D T S F K L V Q
 UniRef90_UPI0002B43072 K Y Y L G H Q S D T I K L L R E E P F V E L Y K K D T S F K L V Q
 UniRef90_G3PZ76
 UniRef90_G3PZ76
 UniRef90_UPI00035DB945 N L Y L R H K N Y A F I I D N V Q T E L D T K D T S F
 UniRef90_L5LM11
 UniRef90_L5LM11
 UniRef90_F1RYK6
 UniRef90_F1RYK6
 UniRef90_UPI0003991595
 UniRef90_UPI0003991595
 UniRef90_K0T1J2 G Y Y L R H S S A S I I S N R D D G S E S F R R D A T F I N R R A L
 UniRef90_K0T1J2 G Y Y L R H S S A S I I S N R D D G S E S F R R D A T F I N R R A L
 UniRef90_K0T1J2 G Y Y L R H S S A S I I S N R D D G S E S F R R D A T F I N R R A L
 UniRef90_G1KPN8
 UniRef90_G1KPN8
 UniRef90_G3UUM6
 UniRef90_G3UUM6
 UniRef90_F6PH42 G S F V R L S G P A P L L Q R Y Q H T E E F R L A T L L K
 UniRef90_G1K880 G A F L H I S V S V N V V K Y Q H S E A F R L S T L F K V D S Q F K
 UniRef90_G3WYG3 G S F I S L S G P V P I L Q K Y Q H T E Q F R L A T L L K
 UniRef90_UPI000441A27A G V F I H I S T S S V T A V K Y H S E A F R L S T L F K V D T K F
 UniRef90_G3SV44
 UniRef90_G3SV44
 UniRef90_UPI000441B09C
 UniRef90_UPI000441B09C
 UniRef90_M2Z610 N H Y L R W R S G T A Y V D P T D G S N A F K G D A T W R G D A S
 UniRef90_M2Z610 N H Y L R W R S G T A Y V D P T D G S N A F K G D A T W R G D A S
 UniRef90_H0XX80
 UniRef90_H0XX80
 UniRef90_Q2SAH2 D Y
 UniRef90_L9LAI3 T C E W R Y
 UniRef90_L9LAI3 T C E W R Y
 UniRef90_H3B6M4 G F F I H Y M L S S V H L M K H E H T E G F R Q S S H F R
 UniRef90_F1NKK1
 UniRef90_F1NKK1
 UniRef90_UPI0003503163
 UniRef90_UPI0003503163
 UniRef90_UPI0004571529 G A F V R V T P S F V T A V H Y D Y S D K F K L S S S F A E E S S T V I P
 UniRef90_UPI0004648949 E H Y L M V N G G V L T L G Q P G S A S E R K A A T F D V I P
 UniRef90_UPI00033170D8 T C E W R Y
 UniRef90_UPI00033170D8 T C E W R Y
 UniRef90_C9SNC8 G S F L R V S G S S V E I H P Y V N S T E F G F S S S F F H R E G L
 UniRef90_C9SNC8 G S F L R V S G S S V E I H P Y V N S T E F G F S S S F F H R E G L
 UniRef90_H2UPQ0 H R I M C E W R Y Q A C A S P C A H T
 UniRef90_H2UPQ0 H R I M C E W R Y Q A C A S P C A H T
 UniRef90_K7G6G9 G F F I L L T A S G V K V S K Y D N S E E F K R T S S F S I E E L Q
 UniRef90_K7G6F8
 UniRef90_K7G6F8
 UniRef90_F6QL90 A C E W R Y
 UniRef90_F6QL90 A C E W R Y
 UniRef90_UPI0003683AB3 S L Y L R H M N Y Q F L G A T V S T S Q Q K I D A S F T L E A
 UniRef90_M7BWQ9
 UniRef90_M7BWQ9
 UniRef90_F7HFP4
 UniRef90_F7HFP4
 UniRef90_UPI000443936F
 UniRef90_UPI000443936F
 UniRef90_UPI00037451F3 N H Y L R Y Y D G Q V A V L P T D G T V D F G W N A T W
 UniRef90_UPI00037451F3 N H Y L R Y Y D G Q V A V L P T D G T V D F G W N A T W
 UniRef90_G5BNQ2
 UniRef90_G5BNQ2
 UniRef90_H3B7Q1 G S F I T L T S S G A K V M E Y D L S E E F R K A S S F
 UniRef90_T0MKZ5
 UniRef90_T0MKZ5
 UniRef90_H2GD99 T R F L
 UniRef90_G3PI95
 UniRef90_G3PI95
 UniRef90_J3PFM7 G T F L R V M G T G L Q L V A Q R G A D A N F S Q E A S F R Q V T G L
 UniRef90_J3PFM7 G T F L R V M G T G L Q L V A Q R G A D A N F S Q E A S F R Q V T G L
 UniRef90_J3PFM7 G T F L R V M G T G L Q L V A Q R G A D A N F S Q E A S F R Q V T G L
 UniRef90_UPI0003F17867
 UniRef90_UPI0003F17867
 UniRef90_UPI000332FCBD
 UniRef90_UPI000332FCBD
 UniRef90_U7LSY1 S R V L T T R G S Q G V T T T S F K A E S V W F V D Q A L
 UniRef90_UPI000333B2C0
 UniRef90_UPI000333B2C0
 UniRef90_H2GHZ2 T R V L T T S G S Q
 UniRef90_UPI0003837DB1 G V F L T L T H T Q A R A Q N Y D H T H A F K T
 UniRef90_H3DPH1 H R I M C E W R Y Q
 UniRef90_H3DPH1 H R I M C E W R Y Q
 UniRef90_F2U066 G N F L A Q Q D R K L T V I V R S D V K D I T T F N Q A I S W L P V D
 UniRef90_F2U066 G N F L A Q Q D R K L T V I V R S D V K D I T T F N Q A I S W L P V D
 UniRef90_F2U066 G N F L A Q Q D R K L T V I V R S D V K D I T T F N Q A I S W L P V D

| | |
|------------------------|-----|
| UniRef90_M4GA37 | A |
| UniRef90_M4GA37 | A |
| UniRef90_F7HW98 | |
| UniRef90_F7HW98 | |
| UniRef90_W5NHH3 | |
| UniRef90_UPI0002B43072 | |
| UniRef90_UPI0002B43072 | |
| UniRef90_UPI0002B43072 | |
| UniRef90_UPI0002B43072 | |
| UniRef90_G3PZ76 | |
| UniRef90_G3PZ76 | |
| UniRef90_UPI00035DB945 | |
| UniRef90_L5LM11 | |
| UniRef90_L5LM11 | |
| UniRef90_F1RYK6 | |
| UniRef90_F1RYK6 | |
| UniRef90_UPI0003991595 | |
| UniRef90_UPI0003991595 | |
| UniRef90_K0T1J2 | |
| UniRef90_K0T1J2 | |
| UniRef90_K0T1J2 | |
| UniRef90_G1KPN8 | |
| UniRef90_G1KPN8 | |
| UniRef90_G3UUM6 | |
| UniRef90_G3UUM6 | |
| UniRef90_F6PH42 | |
| UniRef90_G1K880 | |
| UniRef90_G3WYG3 | |
| UniRef90_UPI000441A27A | |
| UniRef90_G3SV44 | |
| UniRef90_G3SV44 | |
| UniRef90_UPI000441B09C | |
| UniRef90_UPI000441B09C | |
| UniRef90_M2Z610 | |
| UniRef90_M2Z610 | |
| UniRef90_H0XX80 | |
| UniRef90_H0XX80 | |
| UniRef90_Q2SAH2 | |
| UniRef90_L9LAI3 | |
| UniRef90_L9LAI3 | |
| UniRef90_H3B6M4 | |
| UniRef90_F1NNK1 | |
| UniRef90_F1NNK1 | |
| UniRef90_UPI0003503163 | |
| UniRef90_UPI0003503163 | |
| UniRef90_UPI0004571529 | |
| UniRef90_UPI0004648949 | |
| UniRef90_UPI00033170D8 | |
| UniRef90_UPI00033170D8 | |
| UniRef90_C9SNC8 | S |
| UniRef90_C9SNC8 | S |
| UniRef90_H2UPQ0 | |
| UniRef90_H2UPQ0 | |
| UniRef90_K7G6G9 | A S |
| UniRef90_K7G6F8 | |
| UniRef90_K7G6F8 | |
| UniRef90_F6QL90 | |
| UniRef90_F6QL90 | |
| UniRef90_UPI0003683AB3 | |
| UniRef90_M7BWQ9 | |
| UniRef90_M7BWQ9 | |
| UniRef90_F7HFP4 | |
| UniRef90_F7HFP4 | |
| UniRef90_UPI000443936F | |
| UniRef90_UPI000443936F | |
| UniRef90_UPI00037451F3 | |
| UniRef90_UPI00037451F3 | |
| UniRef90_G5BNQ2 | |
| UniRef90_G5BNQ2 | |
| UniRef90_H3B7Q1 | |
| UniRef90_T0MKZ5 | |
| UniRef90_T0MKZ5 | |
| UniRef90_H2GD99 | |
| UniRef90_G3PI95 | |
| UniRef90_G3PI95 | |
| UniRef90_J3PFM7 | A |
| UniRef90_J3PFM7 | A |
| UniRef90_J3PFM7 | A |
| UniRef90_UPI0003F17867 | |
| UniRef90_UPI0003F17867 | |
| UniRef90_UPI000332FCBD | |
| UniRef90_UPI000332FCBD | |
| UniRef90_U7LSY1 | A |
| UniRef90_UPI000333B2C0 | |
| UniRef90_UPI000333B2C0 | |
| UniRef90_H2GHZ2 | |
| UniRef90_UPI0003837DB1 | |
| UniRef90_H3DPH1 | |
| UniRef90_H3DPH1 | |
| UniRef90_F2U066 | |
| UniRef90_F2U066 | |
| UniRef90_F2U066 | |

UniRef90_UPI0003344CE5 1 10 20 30 40
UniRef90_UPI0003344CE5 D V V S L E A A D R P N F F L H V T N G S L E L A K W Q
UniRef90_I3LK73 D V V S L E A A D R P N F F L H A T A N G S V Q L A K
UniRef90_I3LK73 D V V S L E A A D R P N F F L H A T A N G S V Q L A K
UniRef90_J9JCF0
UniRef90_J9JCF0
UniRef90_B2AFW4 G I P V P D G N T P V R L R S A V P T G L F L R F Y T G N S
UniRef90_U7LAI2 V I S M R A A G R Y A G G K L L R L S W S G V E L S S I D
UniRef90_UPI00034FEC53 P N Y F L S V E N D T V R L E Q W E
UniRef90_UPI00034FEC53 P N Y F L S V E N D T V R L E Q W E
UniRef90_UPI0002B4B981 P N Y F L C H D N E T I G L E Q W Q
UniRef90_UPI0002B4B981 P N Y F L C H D N E T I G L E Q W Q

UniRef90_R5W3H1
UniRef90_R5W3H1
UniRef90_C3HB25 L S L Y S N N Y P N M Y I R E V T G L G E L T T I Q
UniRef90_G1NF00 A E R P N Y F L Y V R A D E T V G L E Q W Q
UniRef90_G1NF00 A E R P N Y F L Y V R A D E T V G L E Q W Q
UniRef90_D9WX66 R Q S L R A W G G G Y A R Q S G A D R G K V V L N D T L K
UniRef90_HOQLD3 T P N F G V P V G D G L P V R L E P A S G P G T F L A H D G A T V T
UniRef90_R5RTE2 L T D G K S D T K P A Y V S I Q S E N K S G L Y L T V N D N G K V T L N Q D
UniRef90_R5RTE2 L T D G K S D T K P A Y V S I Q S E N K S G L Y L T V N D N G K V T L N Q D
UniRef90_UPI0004574EC7 S S P G L Y Q N M V Q T V S L K S V L K S H F F L V H S S D E I K L F I K Q
UniRef90_UPI0004574EC7 S S P G L Y Q N M V Q T V S L K S V L K S H F F L V H S S D E I K L F I K Q
UniRef90_A7SM84 G K N I T L T K L Y S V R F E S E G V T G D F G N L G I N A Q L D
UniRef90_F8MJL2 G I P V P D G V T V R L R S S F A S S P E V Y V R Y Y T G T L
UniRef90_F7WB53 I R Y Y T G T L

UniRef90_UPI0003C76D4D L R A T A P G F C L R R I A T F D D F R I H T G I D D
UniRef90_UPI0003C76D4D L R A T A P G F C L R R I A T F D D F R I H T G I D D
UniRef90_UPI00032931CA D V V S L E A A D R P N L F L H V T D S G W L E L A K
UniRef90_UPI00032931CA D V V S L E A A D R P N L F L H V T D S G W L E L A K
UniRef90_A7SQS3 T V S I E S L K N P G Y F L R H K N Y N F R L E R T T
UniRef90_A7SQS3 T V S I E S L K N P G Y F L R H K N Y N F R L E R T T
UniRef90_A7SQS3 T V S I E S L K N P G Y F L R H K N Y N F R L E R T T
UniRef90_A7SQS3 T V S I E S L K N P G Y F L R H K N Y N F R L E R T T
UniRef90_M3EC74 M S L P S V N S P T R W L R H H S Y E L K L D V
UniRef90_M3EC74 M S L P S V N S P T R W L R H H S Y E L K L D V
UniRef90_G4MMH2 P G L G G S G T I S F E S T A Q P G K Y L S A A N G S V S L A T L S
UniRef90_G4MMH2 P G L G G S G T I S F E S T A Q P G K Y L S A A N G S V S L A T L S
UniRef90_R6MYZ8 L T D G K A D T K P A Y V S I Q S E N K S G L Y L T V N D N G K V T L N Q D
UniRef90_R6MYZ8 L T D G K A D T K P A Y V S I Q S E N K S G L Y L T V N D N G K V T L N Q D
UniRef90_W5K8A0
UniRef90_R5W2Q8
UniRef90_R5W2Q8
UniRef90_D8RBB4 D Y Q L G H K H R T V T L D S A S
UniRef90_D8RBB4 D Y Q L G H K H R T V T L D S A S
UniRef90_UPI0003C19BDE S Y V S I E S Y N K P G L Y I T A V N K L L K L S Q N
UniRef90_R7IWX0 S Y V S I E S Y N K P G L Y I T A V N K L L K L S Q N
UniRef90_R7IWX0 S Y V S I E S Y N K P G L Y I T A V N K L L K L S Q N
UniRef90_V8NTH5
UniRef90_G0CVD3 L F P G S A V S L R S R P H T L L G D V L R F T D E L V V L D S I S
UniRef90_UPI0002B43363 P G L V G V D L S A S F Q S E K Y S D Y Y L V R K G K D I Y L Q K
UniRef90_UPI0002B43363 P G L V G V D L S A S F Q S E K Y S D Y Y L V R K G K D I Y L Q K
UniRef90_Q5QZY8 N T V S F Q P E A S P G F Y L V S E N G K L T V S K
UniRef90_Q5QZY8 N T V S F Q P E A S P G F Y L V S E N G K L T V S K
UniRef90_UPI00032AEB7D N T V S F Q P E A S P G F Y L V S E N G K L T V S K

UniRef90_F4Y183
UniRef90_F4Y183
UniRef90_K7QK60 G I P V P D G N T P V R L R S R A D A A R Y V R F R G G T A
UniRef90_G6WYJ9 F R F Y S A N F P G G Y V A E E D N T V I Q L N P R E
UniRef90_UPI0002B49825
UniRef90_UPI0002B4102E
UniRef90_G2T0S0
UniRef90_G2T0S0
UniRef90_E9SHS9
UniRef90_F7BJE8
UniRef90_HOUZF1 A V L K L S L F S N N L P D F F I I D H G G L A D I A K I E
UniRef90_I0HCX5 G I P V G D G G P I L V R L S P A D A P R W F V R H T G D E V K T E K
UniRef90_G2QGR9 G V P V P E G N T P V R L R S A A G L G Q D V R Y Y T G S D
UniRef90_A7SW08 R Y T I H S N E T L N M C L R S D
UniRef90_L7VUS5 Y L K I A V S T
UniRef90_R6N374 R F A S A A N A K L L L A H E G T R L I
UniRef90_R5VJH4
UniRef90_N1MMC9
UniRef90_D4J0Z1
UniRef90_Q2H847 G V P V P E G D T V R L R A A S G G Y V R Y Y T G S G N
UniRef90_K0REG9 V A P G P A P T D A S K Q Y V A F E S L L H P G L Y I R F V D G S I E R A T G R
UniRef90_K0REG9 V A P G P A P T D A S K Q Y V A F E S L L H P G L Y I R F V D G S I E R A T G R
UniRef90_A8IFS5 H L R H D A Q I L Y I E D A D
UniRef90_S8EKV2 S S V V M A Y R
UniRef90_MORF12
UniRef90_MORF12

UniRef90_UPI000362D12F G V P V G A G I P D R F A P L D R P G A Y L R L D G T R L A V G D
UniRef90_T1EZA3 T D K Y V R V T T K S G K R L A V S
UniRef90_UPI000369D40E I T D A P A L P P A A P G F V R I Q S K S T P D N Y I H H Q N T K P E A G Q I Q
UniRef90_A0A013XPQ6 R F I A A A D P K R L M A H D G M R L V
UniRef90_UPI00046DA8A0 S T V N D A I G K S V I L E L F N L P G K V L V I Q Q G K D K N L G I A D
UniRef90_UPI00032ABD20
UniRef90_W1S3G2 R F I S A A S P M A L L A H D G A R L I G
UniRef90_M4CPN2 V T L S Q Q S G N I S Y V L S N N N Q T I T M E V S
UniRef90_V7AEM7 T L A D A Y G R S V M L E P F D L P G M N V I H Q G E D K P L L I V D
UniRef90_V7AEM7 T L A D A Y G R S V M L E P F D L P G M N V I H Q G E D K P L L I V D

UniRef90_UPI00032AEB7D
UniRef90_F4Y183
UniRef90_F4Y183
UniRef90_K7QK60
UniRef90_G6WYJ9
UniRef90_UPI0002B49825
UniRef90_UPI0002B4102E
UniRef90_G2T0S0
UniRef90_G2T0S0
UniRef90_E9SHS9
UniRef90_F7BJE8
UniRef90_HOUZF1
UniRef90_I0HCX5
UniRef90_G2QGR9
UniRef90_A7SW08
UniRef90_L7VUS5
UniRef90_R6N374
UniRef90_R5VJH4
UniRef90_N1MMC9
UniRef90_D4J0Z1
UniRef90_Q2H847
UniRef90_K0REG9
UniRef90_K0REG9
UniRef90_A8IFS5
UniRef90_S8EKV2
UniRef90_MORF12
UniRef90_MORF12
UniRef90_UPI000362D12F
UniRef90_T1EZA3
UniRef90_UPI000369D40E
UniRef90_A0A013XPQ6
UniRef90_UPI00046DA8A0
UniRef90_UPI00032ABD20
UniRef90_W1S3G2
UniRef90_M4CPN2
UniRef90_V7AEM7
UniRef90_V7AEM7

UniRef90_UPI00032AEB7D
UniRef90_F4Y183
UniRef90_F4Y183
UniRef90_K7QK60
UniRef90_G6WYJ9
UniRef90_UPI0002B49825
UniRef90_UPI0002B4102E
UniRef90_G2T0S0
UniRef90_G2T0S0
UniRef90_E9SHS9
UniRef90_F7BJE8
UniRef90_HOUZF1
UniRef90_I0HCX5
UniRef90_G2QGR9
UniRef90_A7SW08
UniRef90_L7VUS5
UniRef90_R6N374
UniRef90_R5VJH4
UniRef90_N1MMC9
UniRef90_D4J0Z1
UniRef90_Q2H847
UniRef90_K0REG9
UniRef90_K0REG9
UniRef90_A8IFS5
UniRef90_S8EKV2
UniRef90_MORF12
UniRef90_MORF12
UniRef90_UPI000362D12F
UniRef90_T1EZA3
UniRef90_UPI000369D40E
UniRef90_A0A013XPQ6
UniRef90_UPI00046DA8A0
UniRef90_UPI00032ABD20
UniRef90_W1S3G2
UniRef90_M4CPN2
UniRef90_V7AEM7
UniRef90_V7AEM7

UniRef90_UPI00032AEB7D
UniRef90_F4Y183
UniRef90_F4Y183
UniRef90_K7QK60
UniRef90_G6WYJ9
UniRef90_UPI0002B49825
UniRef90_UPI0002B4102E
UniRef90_G2T0S0
UniRef90_G2T0S0
UniRef90_E9SHS9
UniRef90_F7BJE8
UniRef90_HOUZF1
UniRef90_I0HCX5
UniRef90_G2QGR9
UniRef90_A7SW08
UniRef90_L7VUS5
UniRef90_R6N374
UniRef90_R5VJH4
UniRef90_N1MMC9
UniRef90_D4J0Z1
UniRef90_Q2H847
UniRef90_K0REG9
UniRef90_K0REG9
UniRef90_A8IFS5
UniRef90_S8EKV2
UniRef90_MORF12
UniRef90_MORF12
UniRef90_UPI000362D12F
UniRef90_T1EZA3
UniRef90_UPI000369D40E
UniRef90_A0A013XPQ6
UniRef90_UPI00046DA8A0
UniRef90_UPI00032ABD20
UniRef90_W1S3G2
UniRef90_M4CPN2
UniRef90_V7AEM7
UniRef90_V7AEM7

UniRef90_UPI00032AEB7D
UniRef90_F4Y183
UniRef90_F4Y183
UniRef90_K7QK60
UniRef90_G6WYJ9
UniRef90_UPI0002B49825
UniRef90_UPI0002B4102E
UniRef90_G2T0S0
UniRef90_G2T0S0
UniRef90_E9SHS9
UniRef90_F7BJE8
UniRef90_HOUZF1
UniRef90_I0HCX5
UniRef90_G2QGR9
UniRef90_A7SW08
UniRef90_L7VUS5
UniRef90_R6N374
UniRef90_R5VJH4
UniRef90_N1MMC9
UniRef90_D4J0Z1
UniRef90_Q2H847
UniRef90_K0REG9
UniRef90_K0REG9
UniRef90_A8IFS5
UniRef90_S8EKV2
UniRef90_MORF12
UniRef90_MORF12
UniRef90_UPI000362D12F
UniRef90_T1EZA3
UniRef90_UPI000369D40E
UniRef90_A0A013XPQ6
UniRef90_UPI00046DA8A0
UniRef90_UPI00032ABD20
UniRef90_W1S3G2
UniRef90_M4CPN2
UniRef90_V7AEM7
UniRef90_V7AEM7

UniRef90_UPI00032AEB7D
UniRef90_F4Y183
UniRef90_F4Y183
UniRef90_K7QK60
UniRef90_G6WYJ9
UniRef90_UPI0002B49825
UniRef90_UPI0002B4102E
UniRef90_G2T0S0
UniRef90_G2T0S0
UniRef90_E9SHS9
UniRef90_F7BJE8
UniRef90_HOUZF1
UniRef90_I0HCX5
UniRef90_G2QGR9
UniRef90_A7SW08
UniRef90_L7VUS5
UniRef90_R6N374
UniRef90_R5VJH4
UniRef90_N1MMC9
UniRef90_D4J0Z1
UniRef90_Q2H847
UniRef90_K0REG9
UniRef90_K0REG9
UniRef90_A8IFS5
UniRef90_S8EKV2
UniRef90_MORF12
UniRef90_MORF12
UniRef90_UPI000362D12F
UniRef90_T1EZA3
UniRef90_UPI000369D40E
UniRef90_A0A013XPQ6
UniRef90_UPI00046DA8A0
UniRef90_UPI00032ABD20
UniRef90_W1S3G2
UniRef90_M4CPN2
UniRef90_V7AEM7
UniRef90_V7AEM7

UniRef90_UPI0003344CE5 P S D D F H H H A S F A L H R G T W Q E G L V A L E S L A V P G S F L H V S S
UniRef90_UPI0003344CE5 P S D D F H H H A S F A L H R G T W Q E G L V A L E S L A V P G S F L H V S S
UniRef90_I3LK73 W Q A S D A F H H Q A S F A L H R G T W R A G L V A L E S L A E P G G A F L Y V S S
UniRef90_I3LK73 W Q A S D A F H H Q A S F A L H R G T W R A G L V A L E S L A E P G G A F L Y V S S
UniRef90_J9JCF0
UniRef90_J9JCF0
UniRef90_B2AFW4 V P S G S V A L E D T Q F R I V P G L S G S N G T I S L E E S M A N P G G T Y M V L D D
UniRef90_U7LAI2 R N S G F N D R L D A S F K V V P A R D G S Q G L S L E E A A A Y S G V Y L M Q S
UniRef90_UPI00034FEC53 D N P F F R R K A T F F H H Q G L W V P G F S A F E L H S K K G F F I V L T T
UniRef90_UPI00034FEC53 D N P F F R R K A T F F H H Q G L W V P G F S A F E L H S K K G F F I V L T T
UniRef90_UPI0002B4B981 A N A S F Q R R A T F F H H Q G L W S P G L S A F E L H S K K G F F I V L T T
UniRef90_UPI0002B4B981 A N A S F Q R R A T F F H H Q G L W S P G L S A F E L H S K K G F F I V L T T
UniRef90_R5W3H1 DR K W V V T D G K A D K S Y V S I Q S E N K P G L Y I T A N N
UniRef90_R5W3H1 DR K W V V T D G K A D K S Y V S I Q S E N K P G L Y I T A N N
UniRef90_C3HB25 T E S D Q M Y A S F E W T G A W R Y G E S G Q L R L M I N P L I V L R H D
UniRef90_G1NF00 A S A S F Q R R A T F F H H Q G L W S Q G L S A F E L H S K K G F F I L T
UniRef90_G1NF00 A S A S F Q R R A T F F H H Q G L W S Q G L S A F E L H S K K G F F I L T
UniRef90_D9WX66 S T S A P A D R E D A T W V V V P S L A S P G Y S F E S V R K P G G Y I R K N
UniRef90_HOQLD3 A A L S P A L G S Q F R L A P G Y A K K N S V V I E P V L T K G G Y L R V Q
UniRef90_R5RTE2 S T G T D E M A K R Q T F R S V K A L D G S D G V S F E S V Y K P G Q Y L T V
UniRef90_R5RTE2 S T G T D E M A K R Q T F R S V K A L D G S D G V S F E S V Y K P G Q Y L T V
UniRef90_UPI0004574EC7 E S P G D T D V V Q A S F W L L K S K W F E G Y D A L E A V S L P G Y F V R H K
UniRef90_UPI0004574EC7 E S P G D T D V V Q A S F W L L K S K W F E G Y D A L E A V S L P G Y F V R H K
UniRef90_A7SM84 Q A S L A E K V T E F R L R P G F Q H P H S I S L E S A N A E P G L F L R R Y K
UniRef90_F8MJL2 S P S G A T L A D T L F R V V P G L A G G N T V S L E S A S R P P G L Y L R R S S
UniRef90_F7WB53 P D V A D E V R A D S T F A L V R A E I D P N H F S F R S V R F P N R F I R H R
UniRef90_UPI0003C76D4D P D V A D E V R A D S T F A L V R A E I D P N H F S F R S V R F P N R F I R H R
UniRef90_UPI0003C76D4D P D V A D E V R A D S T F A L V R A E I D P N H F S F R S V R F P N R F I R H R
UniRef90_UPI00032931CA W Q G S E A F Q L H A T F S L H R G A G Q A G L V A L E S L A E P G S F L Y V S
UniRef90_UPI00032931CA W Q G S E A F Q L H A T F S L H R G A G Q A G L V A L E S L A E P G S F L Y V S
UniRef90_A7SQS3 K N S M F A K D A T F Y L L K V Q D D P A L Y A F E L Y S H P S W F V A H K
UniRef90_A7SQS3 K N S M F A K D A T F Y L L K V Q D D P A L Y A F E L Y S H P S W F V A H K
UniRef90_A7SQS3 K N S M F A K D A T F Y L L K V Q D D P A L Y A F E L Y S H P S W F V A H K
UniRef90_A7SQS3 K N S M F A K D A T F Y L L K V Q D D P A L Y A F E L Y S H P S W F V A H K
UniRef90_M3EC74 N D G A T A F A R D T K F P W T A G L A E S T C T F F R S H D F P T G H M T H W
UniRef90_M3EC74 N D G A T A F A R D T K F P W T A G L A E S T C T F F R S H D F P T G H M T H W
UniRef90_G4MMH2 N T S D A G A R S S A S F R R V A G L S D A T G V S F E S A A Q A G S Y L V S G
UniRef90_G4MMH2 N T S D A G A R S S A S F R R V A G L S D A T G V S F E S A A Q A G S Y L V S G
UniRef90_R6MYZ8 S D G K A E T A K R Q T F R S I K A L D G S D G V S F E S V Y K P G Q Y L A I V
UniRef90_R6MYZ8 S D G K A E T A K R Q T F R S I K A L D G S D G V S F E S V Y K P G Q Y L A I V
UniRef90_W5K8A0 S D G K A E T A K R Q T F M I T S G L Y K D R T V S L E S A E R P N Y F L C V T
UniRef90_R5W2Q8 D K K W V F R S G K A D A A Y V S I E A E N K P G L Y I T A N N
UniRef90_R5W2Q8 D K K W V F R S G K A D A A Y V S I E A E N K P G L Y I T A N N
UniRef90_D8RBB4 T N G T D W D F E A T F K V I S G L V G R V V S L E L L D Q P G R I I A H S
UniRef90_D8RBB4 T N G T D W D F E A T F K V I S G L V G R V V S L E L L D Q P G R I I A H S
UniRef90_UPI0003C19BDE F E A S K A V K M S F M L T E S G L V F K D Q L V S E S V E H P N F F V R Y D
UniRef90_R7IWX0 F N G T M T D A Q T F K T V K G L A G E G V S F E S I S A P G M Y I T Y V
UniRef90_R7IWX0 F N G T M T D A Q T F K T V K G L A G E G V S F E S I S A P G M Y I T Y V
UniRef90_V8NTH5 F N G T M T D A Q T F M L T P G L Y K S L I S L E E C A E R P N Y F L V H N
UniRef90_G0CVD3 L D S P F A D R L D A S F I V R S G L N D S S C I S L E E V A G Y P G V Y L V S E
UniRef90_UPI0002B43363 T D Q S A H F A Q A A S F T I E S L L D E Q G S Y P Y Q S Q T Y S L G Y L H T P
UniRef90_UPI0002B43363 T D Q S A H F A Q A A S F T I E S L L D E Q G S Y P Y Q S Q T Y S L G Y L H T P
UniRef90_Q5QZY8 H D G S D S F I A N A T F K Q V E G L S N S E W S S Y H L A D K P E V Y L V L H
UniRef90_Q5QZY8 H D G S D S F I A N A T F K Q V E G L S N S E W S S Y H L A D K P E V Y L V L H
UniRef90_UPI00032AEB7D Q F K I V E S T L D K N R N D L I S T D K P D F Y L R H Q
UniRef90_F4Y183 Q F K I V E S T L D K N R N D L I S T D K P D F Y L R H Q
UniRef90_F4Y183 Q F K I V E S T L D K N R N D L I S T D K P D F Y L R H Q
UniRef90_K7QK60 L A D T Q F R I V P G L S D D S C V S F Q S A A Y P G M Y L Q A S
UniRef90_G6VYJ9 Q N S G F E D R L D A S F V V Q P G L S D D S C V S F Q S A A Y P G M Y L Q A S
UniRef90_UPI0002B49825 S A A T F L R P G L S G K G S A S F E L D Y R R G V F L K K D
UniRef90_UPI0002B4102E T R S S T Y L K K D G V F L R P G L A L S G I S F E S V R W P G V F L K H R
UniRef90_G2T0S0 D E K W V L C D G K A D A S Y V S I Q S E N K S G L Y L T A Q
UniRef90_G2T0S0 D E K W V L C D G K A D A S Y V S I Q S E N K S G L Y L T A Q
UniRef90_E9SHS9 D E Q W A I V C D G K S D P A V S I Q S E N K A G L Y L V T F K
UniRef90_F7BJE8 F L M I P A L N G E N A V S F Q N Q S D T N L F L R H K
UniRef90_HOUZF1 N G V A V A P G D L S S F L L T A A L Y D P D V L V R A S D R P N F L H V T
UniRef90_B4UXZ6 T E E D R R N A T L Q W T P S L N G E R G M L V R A V A P P G F C L T F D
UniRef90_I0HCX5 A P R D L E K T Q F R F V A A A D G T E T I Q S V D E P G R F V T V T
UniRef90_G2QGR9 G E P T D T P A L A D T Q F R I A P G L A G R D M V S L E S T S N P G M Y V R R
UniRef90_A7SW08 Q E S H I L L K S D C H F T I R R G L A G R D V L S F E S A C I P G Y I V I Q R
UniRef90_L7VUS5 S D G N A W A K S G A L F R L V S G L A D P T K F S I E S V I E D P P R Y L Y H P
UniRef90_R6N374 V T A D G A D L K T T Q W E I E K G K S D S N Y V S I Q A V Y K P G L Y L C V D
UniRef90_R5VJH4 T A T N D T L D S Q W V L V P G K A D T S Y V S I Q S E N K P G L Y L T A N
UniRef90_N1MMC9 A G N P A L A Q T Q F R Q T P G R A G A Q S V M L S P I L L P G H Y L V I A K
UniRef90_D4J0Z1 D G E N A E W E I N P G K L N K N L V S I E S N Y K P G M Y L T V G
UniRef90_Q2H847 P S G T A A L A T E F R I V P G L A G S T V S L E S T S N P G L F M R R V
UniRef90_K0REG9 P T A R L A L G R E S N F G F R T A V H D G A C D S L Q S E S D P N L F W S L G
UniRef90_K0REG9 P T A R L A L G R E S N F G F R T A V H D G A C D S L Q S E S D P N L F W S L G
UniRef90_A8IF55 G S S R S L A G A F S L R M R L G A A D S G S L S L E A M S Y P N H Y L A H D
UniRef90_S8EKV2 P E A G T D S A V A A T F R L V A G V D S R R I M L E P I D F P G A V L A S H Q
UniRef90_MORF12 G T N A A A Q A T F R L V F G N Q K A S R F P L E P F D L P G K V V Q H Q
UniRef90_MORF12 G T N A A A Q A T F R L V F G N Q K A S R F P L E P F D L P G K V V Q H Q
UniRef90_UPI000362D12F G A L A T T Q F R Q K A G P A G A V V L E P L L K P G Q V L R V E
UniRef90_T1EZA3 S T D D I I L E S E S V K I T P C L T D I K C F S L M S Y N R P G W F I R K N
UniRef90_UPI000369D40E A S W I L L S G W K V V Y A A G G W V N Y E S R L K P G H Y L N N N
UniRef90_A0A013XPQ6 A G N P A L P Q T Q F R Q S P G R A G T E S I M L S P I L M P D H Y L V I A K
UniRef90_UPI00046DA8A0 M S S S K D S V I H L V P G L D G K N T V S L E S F K G M F V Y S E
UniRef90_UPI00032ABD20 A T F R L V P K D G L D K L V L E S P I D L P G M F V T H Q
UniRef90_W1S3G2 G N P S L A Q T Q F R Q T K G R A G K E S M M L S P I L M P D H Y L V I A K
UniRef90_M4CPN2 P E P G T Q A A V A A T F R L V T A D S K G S V V M I E S P F D F P G M L V T Q
UniRef90_V7AEM7 S S D G K P S S V F L M V P G L D G R N T I S L E S Q S D K G C Y V Y S S
UniRef90_V7AEM7 S S D G K P S S V F L M V P G L D G R N T I S L E S Q S D K G C Y V Y S S

UniRef90_UPI0003344CE5 G L V P A L R L Y Q H T E A F R R R A T L F R L L D A K S S G A A Y P
UniRef90_UPI0003344CE5 G L V P A L R L Y Q H T E A F R R R A T L F R L L D A K S S G A A Y P
UniRef90_I3LK73 G P V L L A L R L Y K R T E A F R R R G T L F R L L D D A K P S G A
UniRef90_I3LK73 G P V L L A L R L Y K R T E A F R R R G T L F R L L D D A K P S G A
UniRef90_J9JCF0 T S T L V Q G T E A D T A D F K I K S T F K I V D C F F S G G V S L Q S A Y M K
UniRef90_J9JCF0 T S T L V Q G T E A D T A D F K I K S T F K I V D C F F S G G V S L Q S A Y M K
UniRef90_B2AFW4 N G Q F E A G R N L N T A A S A K A S A S F N R R S G L N G S L L E A S D A G
UniRef90_U7LAI2 N G S V S V Q S N P N S A K G A T W C P A S A E I P T G T R L A S A L N Q
UniRef90_UPI00034FEC53 D M E V K V S K Y D N S S E E F K L S S S F K I E E
UniRef90_UPI00034FEC53 D M E V K V S K Y D N S S E E F K L S S S F K I E E
UniRef90_UPI0002B4B981 S S S L K V E K Y D G S E E E F K H F S S F S I E E
UniRef90_UPI0002B4B981 S S S L K V E K Y D G S E E E F K H F S S F S I E E
UniRef90_R5W3H1 S S S G V T L A Q D K G T A D V A K R Q T F K T V E G L D K K G V S L E S V R Y P
UniRef90_R5W3H1 S S S G V T L A Q D K G T A D V A K R Q T F K T V E G L D K K G V S L E S V R Y P
UniRef90_C3HB25 N F R I H F E S Y Y E A E P K V R A D M S T F L E E P G L D P N Q Y S F R S S N Y P
UniRef90_G1NF00 S S S G V K V A K Y D D S E E F K H M S S F S I E E
UniRef90_G1NF00 S S S G V K V A K Y D D S E E F K H M S S F S I E E
UniRef90_D9WX66 G L T R V E S I A A D D R S S A T F R K S A T W C T K P F P P R N G M S F S Q A A G S
UniRef90_HOQLD3 G T S V S I A T T E G S S A F L R R G G L D A A G A S F E S V D I P
UniRef90_R5RTE2 N N A L K I T D G T D K A A A T F V V V
UniRef90_R5RTE2 N N A L K I T D G T D K A A A T F V V V
UniRef90_UPI0004574EC7 N S H I L L A K D D G S E S F K Q E A S W K V Q S A I F S A P V
UniRef90_UPI0004574EC7 N S H I L L A K D D G S E S F K Q E A S W K V Q S A I F S A P V
UniRef90_A7SM84 N Y K F H L E K A K P T G L F E K E A T F V E R Q Q P V G G P H S I S L E L F T H P
UniRef90_F8MJL2 G T Q V R F D S S S S A T S F K S E A S W V R K E G L D G K G V S F E A A G A T
UniRef90_F7WB53 G T Q V R F D S S S S A T S F K S E A S W A R K E G L D G K G V S F E A A G V T
UniRef90_UPI0003C76D4D D F K L F A E R V N T P P E L Q S A C F R F N P P L A D Q
UniRef90_UPI0003C76D4D D F K L F A E R V N T P P E L Q S A C F R F N P P L A D Q
UniRef90_UPI00032931CA G P T L A L R L S E H S E V F R R R G T L F R L V D A K P S G A A Y P
UniRef90_UPI00032931CA G P T L A L R L S E H S E V F R R R G T L F R L V D A K P S G A A Y P
UniRef90_A7SQS3 R Y K L T L R H V T G A D Q H V M D S T F F L E P P
UniRef90_A7SQS3 R Y K L T L R H V T G A D Q H V M D S T F F L E P P
UniRef90_A7SQS3 R Y K L T L R H V T G A D Q H V M D S T F F L E P P
UniRef90_A7SQS3 R Y K L T L R H V T G A D Q H V M D S T F F L E P P
UniRef90_M3EC74 N H S L R I D P A S T A T D R A D A T F S I V
UniRef90_M3EC74 N H S L R I D P A S T A T D R A D A T F S I V
UniRef90_G4MMH2 G N G A A V S V A P S T G A E A T F Y L E
UniRef90_G4MMH2 G N G A A V S V A P S T G A E A T F Y L E
UniRef90_R6MYZ8 N D V L K I T D G S D K T A A T F I V G E N S E T T V L R G I N
UniRef90_R6MYZ8 N D V L K I T D G S D K T A A T F I V G E N S E T T V L R G I N
UniRef90_W5K8A0 E N R V R L E R W R P G E D F R R Q A T F L H H Q G L W P G R S S F E L H S Q K
UniRef90_R5W2Q8 D G S V T L A Q D D A S E Q T A K N Q T F R T V K G L T S R G T S F E S V A Y P
UniRef90_R5W2Q8 D G S V T L A Q D D A S E Q T A K N Q T F R T V K G L T S R G T S F E S V A Y P
UniRef90_D8RBB4 G I N K N L V V D T S Q F A D S T F K V V P G L A S D L V S F E S Q D L P
UniRef90_D8RBB4 G I N K N L V V D T S Q F A D S T F K V V P G L A S D L V S F E S Q D L P
UniRef90_UPI0003C19BDE N G R V A L E K W Q R D T L F R K Q T F L R N D W N T N Y D A F E S F V T R
UniRef90_R7IWX0 S G K V L K L T D G S K A D K C T F Y L E A
UniRef90_R7IWX0 S G K V L K L T D G S K A D K C T F Y L E A
UniRef90_V8NTH5 D N S I F L A Q W D A S L S F R R R T T F I H H G W I S S Y N T F E L
UniRef90_G0CVD3 K G S V N K R F A P P P D A A T W C V S Q N E N G Q S
UniRef90_UPI0002B43363 P F N V R V L L S N N T N E F D F D T T W K M E A
UniRef90_UPI0002B43363 P F N V R V L L S N N T N E F D F D T T W K M E A
UniRef90_Q5QZY8 E G S L K L S K P S S N E E K E A A T F R P S A
UniRef90_Q5QZY8 E G S L K L S K P S S N E E K E A A T F R P S A
UniRef90_UPI00032AEB7D N G S L E M A K W Q G G E T F H C H A S F L L H R G T G P G H M A I E S L A K P
UniRef90_F4Y183 G D R I K L H E Q A D D N L Y K N D S S F Q I V K G L I G D G Y T F V S V N Y
UniRef90_F4Y183 G D R I K L H E Q A D D N L Y K N D S S F Q I V K G L I G D G Y T F V S V N Y
UniRef90_K7QK60 V G G S A V E F E G K L A R A S A S F N R V P G L D G E G L S L E A S D G A
UniRef90_G6WYJ9 G G G V I R T M N T V A N R A T W C V T H A S S T Q V R L Q V A D G T
UniRef90_UPI0002B49825 D S V L T V I G A D D G S K F A K L A S F S I Q N S V F P A T Y G I R L R L E N P
UniRef90_UPI0002B4102E G F K F R I E K P D N I E N F K K E A T F I V E N G V E G S G L G R L F E K P
UniRef90_G2T0S0 D G T V V L A Q D D A E E T A Q A Q T F H T M E G L S D K G V S F E S V L M P
UniRef90_G2T0S0 D G T V V L A Q D D A E E T A Q A Q T F H T M E G L S D K G V S F E S V L M P
UniRef90_E9SHS9 D G G V V L Q D Y D N S M S Q A Q T F R T V T G L S G K G V S F E S V A E P
UniRef90_F7BJE8 G F K L L L E K F A D E N G F K D D V S F Y P R H S T Y E T G V M Y E C C N I P
UniRef90_HOUZF1 A N G S E L A R L S G T V L F S L H R G T W R E G L V A L R E S L A K P
UniRef90_B4UXZ6 N F R I H S K F F T G K A Q V I E E S T Y V L R A E I D P N Q A S F R S V K F P
UniRef90_I0HCX5 G T T V S L S A D D G S A Q F S S D A S F N L V P G L A D V S F E A S D A S
UniRef90_G2QGR9 N Y K F V L E K R Q D T T K F D R D S S F V L H
UniRef90_A7SW08 T Q G V R F A P Y S V D N R F R E A A T F D L D A Y G P D G S Q S L R S T M Y S
UniRef90_L7VUS5 G T N V V L T Q Q D T T S A L A K K M T F K T V A I L D G G K Y S F E S V S T P
UniRef90_R6N374 S N K T V T L A Q D A V S E V G K A Q T F K K V A A L D G G A Y S Y E S V T Q P
UniRef90_R5VJH4 D G S I T L E P D S K S A D F A L R S Q F V R L T D A R R G T V R F A A I A A P
UniRef90_N1MMC9 N Y T V V L S Q D N G T K D E A K A M T F R T I K G L S G K G V T F E S A L H H
UniRef90_Q2H847 D G R V Q F E R A L T S A S K A S A S F N L V E G L D S Q V I S L E A S D A Q
UniRef90_K0REG9 G G G V R L G S R A R A S Y L V R P G L S G G S V S F E S A D L P
UniRef90_K0REG9 G G G V R L G S R A R A S Y L V R P G L S G G S V S F E S A D L P
UniRef90_A8IFS5 H T D V I V L S D A S H P F A S R A M W M M R P G L D G A A V S F E A V A R P
UniRef90_S8EKV2 G E G E S L T V I S D A A S A A A F R L V P G L D G G S V S L I E S E S R R
UniRef90_MORF12 G K R L V V A V T S R N S N T R K A S K F L V V E G L D G N S I S L E S A S M P
UniRef90_MORF12 G K R L V V A V T S R N S N T R K A S K F L V V E G L D G N S I S L E S A S M P
UniRef90_UPI000362D12F G G G V V L A P A T E N P A R S G F R R V R G L A G R G V S F A A L A P G
UniRef90_T1EZA3 E G S L V L D F Q N N A D E F N M D A S F V S I S S I N P S D V D Y M S
UniRef90_UPI000369D40E E G K L K I A R N R S S A L F W K S L R I Q
UniRef90_AOAO13XPQ6 D G S I S L E K D S K S A D F A L R S Q F V R F E E K G S D A L R F V A I S A P
UniRef90_UPI00046DA8A0 G L K L V C S P E S S D A G F N Q A A S F V K S N G
UniRef90_UPI00032ABD20 G A D K P L I V D S S H G D A V F L V E P G L D G E T I S L E S Q S H S
UniRef90_W1S3G2 D G S V T L Q P D S S A D F A L R S Q F V R L E D K A Q G T L R F A A V A A P
UniRef90_M4CPN2 A T D S S L A V I Q D S S S D F Q E A S S F R L V A G V D G G S I S L R L E S K K
UniRef90_V7AEM7 S A G V K L S K S D S D S S F K Q A T S F V A R E G L N
UniRef90_V7AEM7 S A G V K L S K S D S D S S F K Q A T S F V A R E G L N

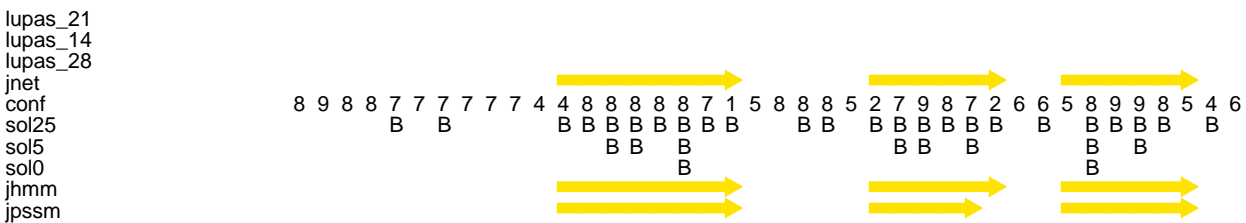
UniRef90_UPI0003344CE5 T C E W H Y D 130 140 150 160
UniRef90_UPI0003344CE5 T C E W H Y D
UniRef90_I3LK73
UniRef90_I3LK73
UniRef90_J9JCF0 N S Y I R H Q M Q T L Y V H V F Q A N S L Y Y S D A C F G L R Q G L
UniRef90_J9JCF0 N S Y I R H Q M Q T L Y V H V F Q A N S L Y Y S D A C F G L R Q G L
UniRef90_B2AFW4 G Q Y L R L Q A G G A L V V S A A S S T T D Q E Q A T F Y L E
UniRef90_U7LAI2 N R V L T A S G T Q K I A T T T S R T S E S V W F I D Q G L
UniRef90_UPI00034FEC53
UniRef90_UPI00034FEC53
UniRef90_UPI0002B4B981
UniRef90_UPI0002B4B981
UniRef90_R5W3H1 G Y Y L T I V N G A L S L T K G G D T E A A T Y T G I D K E D T S L R
UniRef90_R5W3H1 G Y Y L T I V N G A L S L T K G G D T E A A T Y T G I D K E D T S L R
UniRef90_C3HB25 N R Y L R H R D F H L Y T E P I N Q Y P D H Q Y A T F R R A
UniRef90_G1NF00
UniRef90_G1NF00
UniRef90_D9WX66 G S W L A P T T T E V Y A R S P G G K P G E A Q P V R P A A W R I S A P L
UniRef90_HOQLD3 G A Y L V L R Q G A L A L A K V G K D E R P A A T
UniRef90_R5RTE2
UniRef90_R5RTE2
UniRef90_UPI0004574EC7
UniRef90_UPI0004574EC7
UniRef90_A7SM84 G W F L C H A P F V L K A S K V V G S K E F D Q K C V F R
UniRef90_F8MJL2 G Q Y L R L T G S E L V V G A M G G D S I Q K G Q A T F H
UniRef90_F7WB53 G Q Y L
UniRef90_UPI0003C76D4D
UniRef90_UPI0003C76D4D
UniRef90_UPI00032931CA T C E W H Y D
UniRef90_UPI00032931CA T C E W H Y D
UniRef90_A7SQS3
UniRef90_A7SQS3
UniRef90_A7SQS3
UniRef90_A7SQS3
UniRef90_M3EC74
UniRef90_M3EC74
UniRef90_G4MMH2
UniRef90_G4MMH2
UniRef90_R6MYZ8
UniRef90_R6MYZ8
UniRef90_W5K8A0 G V F L T L T H T L A R A Q S Y D
UniRef90_R5W2Q8 G K Y L V L K D G M L K L G T K E D K E E A T F Y I
UniRef90_R5W2Q8 G K Y L V L K D G M L K L G T K E D K E E A T F Y I
UniRef90_D8RBB4 G C Y I Y V D D W R V P A Q R S K E N D G F D A K A S F K A
UniRef90_D8RBB4 G C Y I Y V D D W R V P A Q R S K E N D G F D A K A S F K A
UniRef90_UPI0003C19BDE G Y Y L
UniRef90_R7IWX0
UniRef90_R7IWX0
UniRef90_V8NTH5 H S K R A V K I S K F D G T E E F K S I S S F
UniRef90_G0CVD3
UniRef90_UPI0002B43363
UniRef90_UPI0002B43363
UniRef90_Q5QZY8
UniRef90_Q5QZY8
UniRef90_UPI00032AEB7D G C F L V V A G P T L N L R L Y E H T K A F R W G T L F R
UniRef90_F4Y183 S Y D V L Y F D N D G A M W K K D T S Q Q E K R H A T F Q I I A
UniRef90_F4Y183 S Y D V L Y F D N D G A M W K K D T S Q Q E K R H A T F Q I I A
UniRef90_K7QK60 G Q Y L R L D A G S L T V S A V E G G A Q E D E A T F Y
UniRef90_G6WYJ9 G R W L
UniRef90_UPI0002B49825 D V Y V C H A D G T
UniRef90_UPI0002B4102E D W Y I R K Y G F Q L K A M K K D N S K S F E R R C S F
UniRef90_G2T0S0 G Q Y L T L Q D G K L V L T D G S D K K A A T F Y L
UniRef90_G2T0S0 G Q Y L T L Q D G K L V L T D G S D K K A A T F Y L
UniRef90_E9SHS9 G M Y L T L S G G A
UniRef90_F7BJE8 N Y Y V T I G R F G L I I A N F E N T T E E V V T F Q L E
UniRef90_HOUZF1 G C F L Y V S G S V L A L L Y E H T E A F R K G T L F R
UniRef90_B4UXZ6 D R F I R H R N F E L F A E P V V T P D E L Q S A C F R I D Q P L
UniRef90_I0HCX5 G R Y L R H V N G A L T V S D K A T A F R
UniRef90_G2QGR9 D Q Y L R L E A S G R L T T V Q A G E D A Q E Q A T F
UniRef90_A7SW08
UniRef90_L7VUS5 K R Y L Q M D E T M M L L P T V G F L A L A A S P D R A A W S I E A
UniRef90_R6N374 G Y F I T V S G D N I T L T D G S N A
UniRef90_R5VJH4 G L Y I
UniRef90_N1MMC9 G K A I G I A E G Q V R L V R S R D A A A R W R A D
UniRef90_D4J0Z1 G Y Y L A S V N G K L I L T E E P E A D E A T F F T E
UniRef90_Q2H847 N Q V L
UniRef90_K0REG9 G R Y L R H L R P D L V V A E R D G E A S F A I R S S F
UniRef90_K0REG9 G R Y L R H L R P D L V V A E R D G E A S F A I R S S F
UniRef90_A8IFS5 G W F V
UniRef90_S8EKV2 G C F V S R R G S S N V T L T C G G G G T V D R E A A S F G V R N G
UniRef90_MORF12 G C F V H H S S N G V R L L C Q A K K A G R R G A A L G R L A S F T L R Q G L
UniRef90_MORF12 G C F V H H S S N G V R L L C Q A K K A G R R G A A L G R L A S F T L R Q G L
UniRef90_UPI000362D12F G G Y L R H R D G S V V V G P V K D A G D R A G A T F I V S
UniRef90_T1EZA3
UniRef90_UPI000369D40E N H F L H T K N G K I E I G E V Q P S S S S A L W K
UniRef90_A0A013XPQ6 G Q A I G T V G D Q L R L V P S R D A T A Y W R A D
UniRef90_UPI00046DA8A0
UniRef90_UPI00032ABD20 K C Y V H N S G T G L K L R C M P D S E A S F N Q A A S F V A E K G L
UniRef90_W1S3G2 G K A L G L A D G Q V R L V R T R D A A A Y W R A D
UniRef90_M4CPN2 G C F V Y S D Q T L K A G M K L K L K C D S D A S F K Q A A S F R L R K G
UniRef90_V7AEM7
UniRef90_V7AEM7

UniRef90_UPI0003344CE5
UniRef90_UPI0003344CE5
UniRef90_I3LK73
UniRef90_I3LK73
UniRef90_J9JCF0 A
UniRef90_J9JCF0 A
UniRef90_B2AFW4
UniRef90_U7LAI2 A
UniRef90_UPI00034FEC53
UniRef90_UPI00034FEC53
UniRef90_UPI0002B4B981
UniRef90_UPI0002B4B981
UniRef90_R5W3H1
UniRef90_R5W3H1
UniRef90_C3HB25
UniRef90_G1NF00
UniRef90_G1NF00
UniRef90_D9WX66 A
UniRef90_H0QLD3
UniRef90_R5RTE2
UniRef90_R5RTE2
UniRef90_UPI0004574EC7
UniRef90_UPI0004574EC7
UniRef90_A7SM84
UniRef90_F8MJL2
UniRef90_F7WB53
UniRef90_UPI0003C76D4D
UniRef90_UPI0003C76D4D
UniRef90_UPI00032931CA
UniRef90_UPI00032931CA
UniRef90_A7SQS3
UniRef90_A7SQS3
UniRef90_A7SQS3
UniRef90_A7SQS3
UniRef90_M3EC74
UniRef90_M3EC74
UniRef90_G4MMH2
UniRef90_G4MMH2
UniRef90_R6MYZ8
UniRef90_R6MYZ8
UniRef90_W5K8A0
UniRef90_R5W2Q8
UniRef90_R5W2Q8
UniRef90_D8RBB4
UniRef90_D8RBB4
UniRef90_UPI0003C19BDE
UniRef90_R7IWX0
UniRef90_R7IWX0
UniRef90_V8NTH5
UniRef90_G0CVD3
UniRef90_UPI0002B43363
UniRef90_UPI0002B43363
UniRef90_Q5QZY8
UniRef90_Q5QZY8
UniRef90_UPI00032AEB7D
UniRef90_F4Y183
UniRef90_F4Y183
UniRef90_K7QK60
UniRef90_G6WYJ9
UniRef90_UPI0002B49825
UniRef90_UPI0002B4102E
UniRef90_G2T0S0
UniRef90_G2T0S0
UniRef90_E9SHS9
UniRef90_F7BJE8
UniRef90_H0UZF1
UniRef90_B4UXZ6
UniRef90_I0HCX5
UniRef90_G2QGR9
UniRef90_A7SW08
UniRef90_L7VUS5
UniRef90_R6N374
UniRef90_R5VJH4
UniRef90_N1MMC9
UniRef90_D4J0Z1
UniRef90_Q2H847
UniRef90_K0REG9
UniRef90_K0REG9
UniRef90_A8IFS5
UniRef90_S8EKV2
UniRef90_M0RF12 S
UniRef90_M0RF12 S
UniRef90_UPI000362D12F
UniRef90_T1EZA3
UniRef90_UPI000369D40E
UniRef90_A0A013XPQ6
UniRef90_UPI00046DA8A0
UniRef90_UPI00032ABD20
UniRef90_W1S3G2
UniRef90_M4CPN2
UniRef90_V7AEM7
UniRef90_V7AEM7

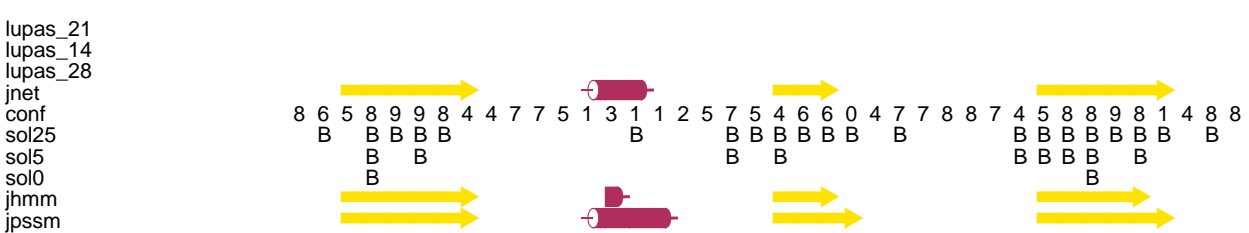

```

UniRef90_V7AIQ5      1      10      20      30      40
UniRef90_V7AIQ5      T L A D A N D R S V M L E P F D L P G M N V I H Q G A D K P L L I V D
UniRef90_V7AIQ5      T L A D A N D R S V M L E P F D L P G M N V I H Q G A D K P L L I V D
UniRef90_F6Y0H0
UniRef90_K9DB06      G V P V G N G A T P E R F V S A A D P K A L L A H Q G T D L I A
UniRef90_W1PV83
UniRef90_A0A022S210
UniRef90_UPI0003A79F8E
UniRef90_K7LPJ3      T L A D A N D R S V M L E P F D F P G M N V I H Q G A G K P L L I A
UniRef90_C5Z624      I T P V P P G S N S Q L V T L A Q E S G G K A F V L S A V N G S L T M Q E R P
UniRef90_M0L0J9      S G P E A L I G S L V K L E P F D F P G M I V K Q T D S S L T V I Q A
UniRef90_D7M550      R F S P V G A P E R Y L A H Q A E Q P V V
UniRef90_UPI0003B6680F
UniRef90_UPI0003F72C18
UniRef90_A0A031K1Q3  R F A S A V D P R A L L A H D G T R L I A G N
P E R F I P A V R R T V R L A A E G

```



| | | | | |
|------------------------|---|-----|-----|-----|
| | 90 | 100 | 110 | 120 |
| UniRef90_V7AIQ5 | S A G V K L S K S D S D A T F N Q A T S F I S Q K G L S | | | |
| UniRef90_V7AIQ5 | S A G V K L S K S D S D A T F N Q A T S F I S Q K G L S | | | |
| UniRef90_F6Y0H0 | G T R L L I H I N G A L G S F H N V S S F Y T R Q D F I A G F A A F E S V M E P | | | |
| UniRef90_K9DB06 | D G T V S L M K D D R S A D F A L R S Q F V R F E D A A Q G T V R F A T I A V A | | | |
| UniRef90_W1PV83 | D T G L F L S D D S D S E N R S N F R V V A G L D G G S V S F E S E S H R | | | |
| UniRef90_A0A022S210 | S T S V V G N D E D G F K K G A S F | | | |
| UniRef90_UPI0003A79F8E | D G T V T L A K D D H S G D F A M R S Q F V R F T D S G S R H V R F A P I G V R | | | |
| UniRef90_K7LPJ3 | S S G V K L S K S D S D A T F N K A T S F V A L Q G L S | | | |
| UniRef90_C5Z624 | M V V T D T L T V S A E K S S G A L F N V V P G L A G G S V S L E L G S R P | | | |
| UniRef90_M0L0J9 | N G T P V L A V K I G S S E F A E A A T L S H T G S L T G D D D A W E A A | | | |
| UniRef90_D7M550 | G T K L R L E C G S A D E K F K E A A S F K L K T G M N | | | |
| UniRef90_UPI0003B6680F | D G K I T L T A S T N R A A M L R F R R H A G S D G S T I T L A L A N A P | | | |
| UniRef90_UPI0003F72C18 | D G S V T L A R D D R S A D F A M R S Q F V R F S D D R S N T V R F V S I A V T | | | |
| UniRef90_A0A031K1Q3 | D G S V S L V P L S A T E A A R F R R E V G P A S G T V R F A S S A F E | | | |



UniRef90_V7AIQ5
UniRef90_V7AIQ5
UniRef90_F6Y0H0
UniRef90_K9DB06
UniRef90_W1PV83
UniRef90_A0A022S210
UniRef90_UPI0003A79F8E
UniRef90_K7LPJ3
UniRef90_C5Z624
UniRef90_M0L0J9
UniRef90_D7M550
UniRef90_UPI0003B6680F
UniRef90_UPI0003F72C18
UniRef90_A0A031K1Q3

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

9 9
B