

QUERY
UniRef90_UPI000441C8EF
UniRef90_P11048
UniRef90_S4REH4
UniRef90_W5M5I2
UniRef90_W5LHB3
UniRef90_H3B5Y4
UniRef90_H3CFU2
UniRef90_G3THW6
UniRef90_H2MN62
UniRef90_H3BWG7
UniRef90_D3ZLC1
UniRef90_H3AXZ9
UniRef90_Q7SYF2
UniRef90_P09010
UniRef90_W5L0Q2
UniRef90_H3BC95
UniRef90_UPI0003C2A1E0
UniRef90_V9KMZ4
UniRef90_V9K7S0
UniRef90_UPI0003C8EFB6
UniRef90_G3PIZ7
UniRef90_I3JLL0
UniRef90_W5NE06
UniRef90_P10999
UniRef90_E5SDW6
UniRef90_H2U846
UniRef90_UPI0003C4347D
UniRef90_UPI0004405A5
UniRef90_UPI0004431D9A
UniRef90_H2LBQ7
UniRef90_UPI0003955558
UniRef90_W4XFQ5
UniRef90_UPI0004571B34
UniRef90_UPI0003F06CC4
UniRef90_V9KIR3
UniRef90_UPI00044360E7
UniRef90_UPI00034F25DD
UniRef90_L9L0F6
UniRef90_G3Q329
UniRef90_K7FK39
UniRef90_I7FRP5
UniRef90_S9WTZ9
UniRef90_C3ZXL7
UniRef90_UPI0001CBA83E
UniRef90_W5MPP5
UniRef90_K1QKB9
UniRef90_T1K733
UniRef90_H3FEH7
UniRef90_Q86LZ6
UniRef90_A8PAB3
UniRef90_UPI00046B2490
UniRef90_B3MMZ6
UniRef90_Q9Y005
UniRef90_Q19289
UniRef90_UPI000441B53D
UniRef90_U6PLI8
UniRef90_UPI00033152C1
UniRef90_K7GDN8
UniRef90_E5SQG6
UniRef90_V8N4W9
UniRef90_Q9DD88
UniRef90_UPI000333806A
UniRef90_W5N5G1
UniRef90_Q9XY34
UniRef90_UPI000457591B
UniRef90_F1KTL2
UniRef90_H9G3L2
UniRef90_F1KTM8
UniRef90_UPI0003F164D0
UniRef90_P90900
UniRef90_V5IF43
UniRef90_S4RWL3
UniRef90_Q7PZJ0
UniRef90_UPI000350951F
UniRef90_UPI0002C3202F
UniRef90_G1L3Q5
UniRef90_W8B4Q8
UniRef90_B4N7B2
UniRef90_H2SH28
UniRef90_E3MKD5
UniRef90_D2A5Q1
UniRef90_A7SGD1
UniRef90_R7UDL8
UniRef90_H0X412
UniRef90_UPI000383434A
UniRef90_Q9XZN7
UniRef90_E5STJ6
UniRef90_T2MDM2
UniRef90_UPI0004442B22
UniRef90_K7ISC5
UniRef90_R7UHP2

QUERY UniRef90_UPI000441C8EF UniRef90_P11048 UniRef90_S4REH4 UniRef90_W5M5I2 UniRef90_W5LHB3 UniRef90_H3B5Y4 UniRef90_H3CFU2 UniRef90_G3THW6 UniRef90_H2MN62 UniRef90_H3BWG7 UniRef90_D3ZLC1 UniRef90_H3AXZ9 UniRef90_Q7SYF2 UniRef90_P09010 UniRef90_W5LQO2 UniRef90_H3BC95 UniRef90_UPI0003C2A1E0 UniRef90_V9KMZ4 UniRef90_V9K7S0 UniRef90_UPI0003C8EFB6 UniRef90_G3PIZ7 UniRef90_I3JLL0 UniRef90_W5NE06 UniRef90_P10999 UniRef90_E5SDW6 UniRef90_H2U846 UniRef90_UPI0003C4347D UniRef90_UPI00044005A5 UniRef90_UPI0004431D9A UniRef90_H2LBQ7 UniRef90_UPI0003955558 UniRef90_W4XFQ5 UniRef90_UPI0004571B34 UniRef90_UPI0003F06CC4 UniRef90_V9KIR3 UniRef90_UPI00044360E7 UniRef90_UPI00034F25DD UniRef90_L9L0F6 UniRef90_G3Q329 UniRef90_K7FK39 UniRef90_I7FRP5 UniRef90_S9WTZ9 UniRef90_C3ZXL7 UniRef90_UPI0001CBA83E UniRef90_W5MPP5 UniRef90_K1QKB9 UniRef90_T1K733 UniRef90_H3FEH7 UniRef90_Q86LZ6 UniRef90_A8PAB3 UniRef90_UPI00046B2490 UniRef90_B3MMZ6 UniRef90_Q9Y005 UniRef90_Q19289 UniRef90_UPI000441B53D UniRef90_U6PLI8 UniRef90_UPI00033152C1 UniRef90_K7GDN8 UniRef90_E5SQG6 UniRef90_V8N4W9 UniRef90_Q9DD88 UniRef90_UPI000333806A UniRef90_W5N5G1 UniRef90_Q9XY34 UniRef90_UPI000457591B UniRef90_F1KTL2 UniRef90_H9G3L2 UniRef90_F1KTM8 UniRef90_UPI0003F164D0 UniRef90_P90900 UniRef90_V5IF43 UniRef90_S4RWL3 UniRef90_Q7PZJ0 UniRef90_UPI000350951F UniRef90_UPI0002C3202F UniRef90_G1L3Q5 UniRef90_W8B4Q8 UniRef90_B4N7B2 UniRef90_H2SH28 UniRef90_E3MKD5 UniRef90_D2A5Q1 UniRef90_A7SGD1 UniRef90_R7UDL8 UniRef90_H0X412 UniRef90_UPI000383434A UniRef90_Q9XZN7 UniRef90_E5STJ6 UniRef90_T2MDM2 UniRef90_UPI000442B22 UniRef90_K7ISC5 UniRef90_R7UHP2

50 60 70 80

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

UniRef90_O97344
UniRef90_T1PG08
UniRef90_T1GAR3
UniRef90_E9HAK9
UniRef90_UPI000333096B
UniRef90_Q9Y030
UniRef90_A8XNJ8
UniRef90_UPI0003339AA9
UniRef90_E1FPL4
UniRef90_W5LX19
UniRef90_E3MKD4
UniRef90_UPI0003F0E392
UniRef90_T1ELF0
UniRef90_T1E197
UniRef90_UPI0003C2A46D
UniRef90_L9LFD6
UniRef90_W5LK76
UniRef90_UPI00046B97CB
UniRef90_G3W5E9
UniRef90_Q17PF1
UniRef90_UPI00042BBF5B
UniRef90_UPI000443F401
UniRef90_UPI00046B5FBD
UniRef90_A0A024N904
UniRef90_D3TNH4
UniRef90_UPI00038BEB20
UniRef90_U4UCY7
UniRef90_I3J605
UniRef90_UPI00026531FB
UniRef90_H2S8W9
UniRef90_A0A023FKP2
UniRef90_B0W9X2
UniRef90_E0VAI7
UniRef90_UPI00045716B2
UniRef90_UPI000398FC0D
UniRef90_H9J2B5
UniRef90_Q6P0Z0
UniRef90_Q7PNC2
UniRef90_UPI00034F4337
UniRef90_X1Y269
UniRef90_T1HJS8
UniRef90_T1G8H0
UniRef90_T1IJX5
UniRef90_L8YCC3
UniRef90_UPI000223EE50
UniRef90_M4ZQM4
UniRef90_Q98UK1
UniRef90_T1EFV2
UniRef90_UPI0002C64FD8
UniRef90_B1PBA6
UniRef90_T1F7E4
UniRef90_T1G7N3
UniRef90_T1FNA0
UniRef90_Q9XYD7
UniRef90_G3PMX9
UniRef90_D9MSV8
UniRef90_F1KU65
UniRef90_K7GTT6
UniRef90_K1RFA3
UniRef90_H2SCY6
UniRef90_T1G105
UniRef90_M3YBK6
UniRef90_K1PWQ2
UniRef90_UPI000333093C
UniRef90_Q25017
UniRef90_Q9XYD8
UniRef90_UPI00044020CB
UniRef90_R7UT36
UniRef90_W0GAA8
UniRef90_UPI0003F12034
UniRef90_UPI00046BC965
UniRef90_G1LVJ9
UniRef90_B4KP06
UniRef90_T1G936
UniRef90_H3BG58
UniRef90_UPI0003AFC710
UniRef90_B3RLC7
UniRef90_U6NTK7
UniRef90_F6SFI2
UniRef90_H2KUU0
UniRef90_H0WR18
UniRef90_UPI00035A0401
UniRef90_F6Y9X7
UniRef90_U6NMF6
UniRef90_H9G3F5
UniRef90_J9JN10
UniRef90_UPI000444A02
UniRef90_Q25421
UniRef90_UPI00035005B8
UniRef90_UPI0003BCBA3F
UniRef90_UPI00038BF305
UniRef90_V3ZW11

1 10 20 30 40

Q R S S K G P V A I T E C C P D G E F V L E N K K G K G D Q S Q L D G G F C V
S S A K G D D I E I S E F D P E E G K F Y V V K V H N N K S T G E V Q N L V G G W Q K R R
A S A K G E V V Q V S E E V D S P E E G K F F I R L H N N K S T D K E E V N S L V G G W Q L I V
S S S A K G E V Q V S E E V D S P E E G K F F I R L H N N K S T D K E E V N S L V G G W Q L I V
S S L G D I Q I A E E V D V K G L F V I K L L N C S D D R E E V S D I L G G R H I L L Q Q R
G A I S I V E E S N A D G G K F F I K L F N N S T G S D R E E V S D I L G G R H I L L Q Q R
Q R S A K G N V S I T D V H T A D G G L F V R L M N S S S D K E E L A I L G N H Y L L Q Q R R
G H A R S S G H L S K I Q E E T S A D G G T F V R L Q N T S H D R R N E E S D L G G E W K L K Q R
Q R S A K G N V S I Q E E T S A D G G T F V R L Q N T S H D R R N E E S D L G G E W K L K Q R
S S S A G L L E V K E T S A D G G T F V R L Q N T S H D R R N E E S D L G G E W K L K Q R
Q R S A K G S I T I K E S S P E G K Y V V I E N T N R R N E E P L G D W K L K Q R
S S A W H I S I V D V N T K G G L F V K F E N T H D R R N E E L D I L G G D H I L L Q Q R
Q R S A K G P V S I A E C S P D G K F I V L E N T G K R K E D L G G D F T M K R
S S K A S G D L S V S D H D S S G G K Y I K I H N N K S K Q E E V P L G S W Q L V Q Q
S S A L G N L R I A E D V H P G H H F V K I L N S S S P L E E S E L G G D Y I L L Q Q Q
G Q S T S R G D I R I A E V N S K G M F I K L R N S S S D T D Q E L S L G G W V V L R K Q
H S S S R G V V S I D E I D L M G N F I K L R N S S S D T D Q E L S L G G W V V L R K Q
S S A F G D I K I A E V N S V F F V K I T N S S S D N K E L E T I L G G E H I L L Q Q Q
U N I R E F 9 0 _ G 3 W 5 E 9 S S A L G D I K I A E V N S V F F V K I T N S S S D N K E L E T I L G G E H I L L Q Q Q
S S A K G D L E I S E C D P D G K F I K V H N N K S N Q T Q S K L D D G C Q I V R
V S V E V D A Q G R F V R L L N A G P Q D Q Q S M G N W Q L K R R
S N S D C D I E I E E H D T D G G K Y I K L V N K K G A E N E T I S I G G W W R I K R R
S S A K G D I V D V D P E E G K Y I K L R N K K G A E N E T I S I G G W W R I K R R
G Q F T S S G D I K I A D V N V K G L F V R L V N S S S E K E E V S I L G G N H I L L Q Q R
S S G T S S K G E I S E I V D A D P E E G K Y I K L H N N K S S E K E E V S I L G G W I L L R
S S R S R G A V S I V A E A D V D G K Y V R L K N N S S E K E Q S S L G G G W V V R R R
S S T T S G L V S I T E T D N D G N Y I K L H N N H T D S N Q S S I G G W E L R R R
S S A K G C V S I A E V D V D G K Y V R L K N H S D T E Q P L G G W V V V
A S A K G D I E V S V A E H C L D G G R Y V T V H N N K G R T K E E V P L G S W K V Q S R
S T A K G D L E L S E C D P E G K F V K V H N N K S K Q E Y K L D G W Q I Q R H
A K G S I V Q I V E V N T M G H F V R L F N T S D K E E V I L S G H F
S A V G N L K I A E V D P G S H F V K I L N C A E K E E S I G D Y L L K Q Q
H S S A K G D L S I V A E A C P D D G T F V K I R N K K G K K E L S L G G W W Q L R K
S S C R G P V S I E E V D L D G R Y V R L K N A S D R D Q V V S S G W Q L R K
S S A K G D I S E V T E C D P E G R F V R I A N K S S K Q E Y A L A G W Q L I R
G C P R S P C P L K I V E V D P F G H F V R I W N S S P F C H D L A S G Y L L W Q
S A K G D L E V S E C D P F G R F V R I Q N S S K Q E Y P L A G W Q L V R
S T S K G D I E F A Q V D A E G K V V R L V N T R G G K E E V S L A G Y K I V R
Q R S S K G P V N L I G E C D P D G K F V I A L E N T G R K D E S L G G W W L K R
A T C K G D V E L I D Q D T D G K F V K L H N N K G E K V R N C G W W Q L I R
R P T S Y S L K I V A V S C R G K F V R V F N Q S L E D T D L L S D F M L Q Q Q
S S S A L G D I K I A E V D P D G V F I R L K N T S S E D K E E G P L G G Y L L R
T G N V S I E E V D V D G K F I R L K N S S S E Q D Q S M G G W E M I R
H S S S R G N L S I D E I D L D G R F I R I K N N S S D Q D Q S V G G W V L R K
V K F E A V D P E E G K F I R L S N T S D K E E L A L G G W Q L K H
S A S G C L K I V A V S R R R E R F V R I L N Q S L E E T D L D L G G F T L Q Q Q
Q R S A K G N I T I S E C E A T G K F I V L A N S S S S K E E D I L S G C K L K Q R R
Q R S A K G P I S I A E S S P D G T Y I C L E N T G R R K D E E N L A G N W T L R R R
Q R S A K G P V S I S E C C A D G K Y I T L E N T G R K D E E N L D G W K L K R R
Q K S S K G P V S I A E C S M D G K Y I V L E N T G R K D E E N L G G Y K L R R R
S R S A Q G A V S V E E V D W D G K F V R L K N N S S E T E K P L G G W W M I R R K
G N V E I K E I D P E G K F V K L F N K G N E E V A I G G W Q L Q R S
E I L D A H S G D G Q F I R L V N K S N K D V S I G K W S I K S
R H A K G N V S L V E C D P D G K Y I L E N T S A A E D V S S W Q L Q R R
G N L N E E T D S D G K F I K L H N N S D E D V A V S S W Q L Q L

UniRef90_O97344
UniRef90_T1PG08
UniRef90_T1GAR3
UniRef90_E9HAK9
UniRef90_UPI000333096B
UniRef90_Q9Y030
UniRef90_A8XNJ8
UniRef90_UPI0003339AA9
UniRef90_E1FPL4
UniRef90_W5LX19
UniRef90_E3MKD4
UniRef90_UPI0003F0E392
UniRef90_T1ELF0
UniRef90_T1E197
UniRef90_UPI0003C2A46D
UniRef90_L9LFD6
UniRef90_W5LK76
UniRef90_UPI00046B97CB
UniRef90_G3W5E9
UniRef90_Q17PF1
UniRef90_UPI00042BBF5B
UniRef90_UPI000443F401
UniRef90_UPI00046B5FBD
UniRef90_A0A024N904
UniRef90_D3TNH4
UniRef90_UPI00038BEB20
UniRef90_U4UCY7
UniRef90_I3J605
UniRef90_UPI00026531FB
UniRef90_H2S8W9
UniRef90_A0A023FKP2
UniRef90_B0W9X2
UniRef90_E0VAI7
UniRef90_UPI00045716B2
UniRef90_UPI000398FC0D
UniRef90_H9J2B5
UniRef90_Q6P0Z0
UniRef90_Q7PNC2
UniRef90_UPI00034F4337
UniRef90_X1Y269
UniRef90_T1HJS8
UniRef90_T1G8H0
UniRef90_T1IJX5
UniRef90_L8YCC3
UniRef90_UPI000223EE50
UniRef90_M4ZQM4
UniRef90_Q98UK1
UniRef90_T1EFV2
UniRef90_UPI0002C64FD8
UniRef90_B1PBA6
UniRef90_T1F7E4
UniRef90_T1G7N3
UniRef90_T1FNA0
UniRef90_Q9XYD7
UniRef90_G3PMX9
UniRef90_D9MSV8
UniRef90_F1KU65
UniRef90_K7GTT6
UniRef90_K1RFA3
UniRef90_H2SCY6
UniRef90_T1G105
UniRef90_M3YBK6
UniRef90_K1PWQ2
UniRef90_UPI000333093C
UniRef90_Q25017
UniRef90_Q9XYD8
UniRef90_UPI00044020CB
UniRef90_R7UT36
UniRef90_W0GAA8
UniRef90_UPI0003F12034
UniRef90_UPI00046BC965
UniRef90_G1LVJ9
UniRef90_B4KP06
UniRef90_T1G936
UniRef90_H3BG58
UniRef90_UPI0003AFC710
UniRef90_B3RLC7
UniRef90_U6NTK7
UniRef90_F6SFI2
UniRef90_H2KUU0
UniRef90_H0WR18
UniRef90_UPI00035A0401
UniRef90_F6Y9X7
UniRef90_U6NMF6
UniRef90_H9G3F5
UniRef90_J9JN10
UniRef90_UPI000444A02
UniRef90_Q25421
UniRef90_UPI00035005B8
UniRef90_UPI0003BCBA3F
UniRef90_UPI00038BF305
UniRef90_V3ZW11

K V D F D A D L V F K F P A G F V T P 60
N A D G K E N T F K F H R T V K I D S G S T V K V W A D V N A V D N A P F T N Q
T A G T N E S Q F K L H R S V K I D S G G V T I T V W S S D T G V T H E P P T N
K A Q E T E T I Y K F H H R S V L K V A P G G T I T S V W S A S D S G T A H H E P P S T
N V D G H P I S M Y Q F R P N I P M Q A H A T V V T V W A A A A E A K H H Q P P P T D E
Q V I G K E D P I V Y K F T P S K Y V L K Q G D S Y V T K I Y S S D G G G Q S L K P P T A E
K I I D G K R E I V F T F P S D Y I L Q P S K T V T K I F A R G H G V A S H Q P P D T
N L N N H K V A S Y Q F P P N L I M P A K Y T V T V W A A A S K A K H G P P S D
K I D G G K E I V Y T F P P H D F L L K P G G K S V K I V A R G H G I S H P P P S Q
R V I G G A P V S L Y R F P P T T W V P S G G C I T I V A R G G A K V S H S P P P S D
K I I D G G K R E I V F T F P S D Y V L Q A S Q S V T K I F A R G H G T A N P P P S D
K V I G G Q T V S L Y R F L P N V I V E A N S T V T V W A A A S E A T H Q P P P S D
N V D G G E M P V Y S F K S D A I I E P H N K I K L W A K G Q K P S N A T A S D
K G E G A E V T Y K F P R S A V I K P S A T V T V W S S D S G V S H S P P Q N
N V I G G Q A V A V F R F P P N I R M S A N S T V T V W V V D A N V L H K P P P S D
N V N G Q T I L S S Y R F L P P N I I M Q A S S T V T V W A A S E A K H H P P P T D
R Q S G T P D V V F K I P K S C I L R A E D T V T V W S A G A G V E P N P P T D
N M N G K P D S L Y H F P P N I T M Q A N S T V T V W T A A S E G K H Q P P P S D
N V I N G R V S L Y R F H P P T I R L P A N A A I T V W A A A S K V K H H P P P S D
K T E S T E V T Y K F P K G A K L E G S S T V T V W S A S A N H K A D P P P S N
Q N G D D S L L T Y R F P P K F T L K A G Q V V T V W A A G A G A T H S P P P T D
R G P G G E P E R G Y R F S P K F V L R T R T G Q A V T V W A A G A G A E H S P P P G S
Q I L E G T E L A Y K F T P K Y V L R A G Q T V T V W A A G A G V A H S P P A T
I A N D K E T V Y K F H S R Q T M K P G D T I T V W S D A S G E K H T H S P P Q
I A D G K E S V F K F H R S V K I E G A T I T V W S S D A G A T H E P P P N
N V I N G H A V S L Y R F P H N V T M Q A S S T V T V W A A A A E A K P E P P T D
K A G G E E S K F K F N P S L K I E A K G F V T V W S D L N K E H E P P H E
V Y P G A G D I T F H I P A S C V L J A G G Q T L T I W A A G A E V E A D P P S D
I V D G G L V A T F T F N N R F S M N P G H E V T I W A S G S G N K Q N P P S D
V Y P L S G D I S F H I P S S C I L E A G R T I T V W G A A A E A E A D P P G D
K A G N D E F T F K F Q R T Y T I K P A G S L I N I W S P D C G V T H N P P G D
K T E S S E V T F K F P K N S K I E G N G T V T V W S S A C G Q K P D P P T
S A G E D S E T T F K F H R S V K I D A Q Q Y L T V W S M D S G R A V S H S P P P H
S V N S H P I A L Y R F P T P T L L P A Q Q Y L T V W A A A A K V H S H S P P S D
D V Q G Q P V A V F Q F L P E T R M G P N S T M S V W A A D A K V L H K P P S D
K A G D Q E T V F K F H R T V K L E P G A V S T V W S A A D T G A S H D P P H D
S E A E A P D I V F C F S P C V M N A G H M L T V W A A A A V D G S A G S A S D
R P V D G A E V S Y R F P K S A K I E G N G M V T V W A T V A N R K P D P P T D
L E G N Y P V S V Y R F P Q N I F L P A C H V V T V W A S A S K V S H N P P P T D
R P H D A P E V R Y K F G K G S K I E G N G M V T V W G T V A N R K S D P P P D
Q A G D N P V V T Y K C H R T L K I D A G S T V T V W S A D T T Q A H E P P A N
T V D G L D Q P L F I K F P D D Y V I R A G A D K T V W S S D S E V T H N P P T D
K S G D L E I T F K F H R S V N I K A G A T T V W S S D S R V T L N P P T D
L V R D F P V C M Y R F P P G T L L A P R H H I T V W G E G T S R T R K E P S L
N V I G G Q A L A R Y R F P N N V R M K A N S T V K V W A A S A E R S G D S P M D
K I L G D T A T Y K Y T P S R Y V L K A G Q T V T V W A A N A G V T A S P P T D
S E A E A P D V V F Q I P S P C V L S A G Q T L T V R A A G S V M E Q V P P R G D
S S G D N E T T Y K F H R N L L L K P G S T V T V W S A D A D P K V H A P P S D
L V R D F P V G I Y R F P A G T L L A P R H H V T V W G E G P P G T R K Q P P S D
K V E G R G D I V Y T I P S G V V L K P K H A V K V Y A H G Q G G H H N P P E S
I V N G N S M P V A N L P S D F R I A S G A K V K I Y A R G T R P R D S S M Y D
N I D G L D K T E Y A F D K N Y V L K S G A K A K I W G O G Q K P L S A S A S D
N I D G I E K A P F S L D Y V T I G I G S K I R I W A Q G F K P A T A P S T D
N I N G L D K V I E N F D R N F V L R A G A K I K I W A N K L R P L S A F S S D
M C P D S E D L S F H I P S S C T L A G G Q T L T V W A A G A E T E A D S G D
M V E S G S S T I Y K F N R S V K I D A N A F V T V W S A D T K A T H E P P T N
L A N E R E I V Y K F H P R Q T I K A G N S V T V W S A G S G K K S A P P S C
V I D S I D A F T Y R L P A H S V I Q P H G H L K I Y G R T S G G I H S P P S D
R H S E A D D A E Y K F H R S L Q M K A H T F C T V W S S G T G Q T H S P P S D
Q V D C G D E V F Y K V T P K F V L K A G S V T V W S A D A G V V H S P P T D
V V D D R E K V G T V L P S D I V L R S G E K M R V W V R G T K P L N A S A L D
R E R G F P V C M Y R F P P R T L L P P R H H V T V W G E G P R S M K K H L P S
T V D G K R D Y I Y M F R N F T L K P G K V V K I Y S R G S A A D A S V N D
L V R D C P I C M Y R F P P A T L L A P G H H I T V W G E G T C K T K P Q P V D
I V D N K K P Y V Y T F P R N F V L K P S K N V K I F A R S L A S Q A G P N D
V V D D V E V V I V F P S D L K L N A G E K F K V W G A G Q K P L N A S S N D
L V R D F P V C M Y R F P P S T L L E P W G E A P G S T K R Q P P S
N I D G M D K A N F T L D K N F T I R P A G K V K I F S A G Q L P G N S G P Y D
N I D G R Q V T K F T V P N G V V D G P H K N I R I W A R G L K P P G S D
L Q R D F P V R M Y R F P P H T L L A P H H H V T V W G E G P G S T K K Q P P S
L E H D F P V Y L Y R F P P H T L L A P H H H V T V W G K G S G S A K K P P P S
R V R D V P V C M Y R F P P G T L L A P R H H V T V W G E G P R P K L P P S T
I A G D E E L A F K F S R G S K V S G G A S V T V W S A D T G A S H D P P N N
S T E G Q E V T Y K F M R N V V I K P H H H I T V W S Q D K T G T H S P S D
Y V I G G Y P V S L Y R V P A K I L W L P A R Q Y I T I W A A V S N V T N N P P T D
Q V I G S G T P I A F K F P A K F T L K A G Q R V T I W A
R T E G H I M A S F Q F P I T F T L A A E S K V T V W A A D S Q H P H R P P L D
S S G S G R D I T F T F P K D F R L T P K S K V T V Y A R G R G I H A P P P H S
K I G D T S V S Y K Y T S R Y V L K A G Q T V T I W A A N A G V T A N P P T D
E A D G Q E T R F K F H R S L M L K P G T T C T I W S S D T E T T A N P P T D
L V C D F P V C M Y R F P S G T L L A P Q H H V T V W G E G S S S A K K P P S D
H V S G D N E T R H K F Q K N V L K A G Q T I T V W S A D S D Q T H N P P R D
L V R G R P E R L Y R F P P A T L L A P R H H I T I W G E G P R N A K K P P C A
T S S S L K Q V S F T F P R D F I L T P Q N R V Q Y A R G H G V H H P P H T
V G G E R G E A A Y K F G P R F V L R A G Q S V T V W S S D A G G P H N P P G A
T T A E Q N V S T Y K F H R S V K L G A G N W L T V W S S A S N Q I H E P S A G
L V I G G F P V C A Y R F P P G T L L R P G L H I T V W G E G S C A Q K P P T D
N I D G K D V A T Y K F S D S F V L R P G Q K I K G W A K G T G A S G D I E S D
R V W D C L V H M F R F P P X T M L E P R H H L T V W G E G T G G I Q Q Q P P L
Q I I N R N E S A T Y E F K E N F T L K A G E T L L R Q D A V N K P L K Q T P A D
L E R G F P V C L Y R F P P E N G T L L A P Q H H I T V W G O G T S S T K K Q P P L
T V I D N E R E Q V Y H F R N F V L K A G A S V K I W A R K A S E A D A Y D

UniRef90_O97344 V V W G G C R S W G V G S N I L T T L 100 V S P E G E D K S T H K Q T
UniRef90_T1PG08 I V M K S Q K W Q S G E S I K T S L F N A D G E E V A
UniRef90_T1GAR3 I V M K Q T R W F V A N E M K T L L K N S D S G G E E V A V S E R V
UniRef90_E9HAK9 L V M K E Q K R W F V A N E M V T Q L L D N S S G G E E M A Q R E
UniRef90_UPI000333096B F V W K E Q D R F R S S P D C T T L L C Q P H G E A V A W Y T P I
UniRef90_Q9Y030 L L Y K H L S W G S G N E V R T A L I N A S G G E E L A
UniRef90_A8XNJ8 L V F K E G E D N F G V G A N I Q T I L Y N N K G E K R A T
UniRef90_UPI0003339AA9 F L W K K Q T R F I T S P N C T T I L C K P N G E A I A W Y T P I
UniRef90_E1FPL4 L V F D G E D S F G Y S S N V H T I L Y S R D G G E E R A T
UniRef90_W5LX19 L V W H E L L R F R T G S E C A T V L C K P S G G Q P V A R
UniRef90_E3MKD4 L V F E G D D T F G V G S N V L T I L Y N S N G E K R A T
UniRef90_UPI0003F0E392 F L W K E Q N K F V T S P N C T T L L S K P N G E A I A W Y T P I
UniRef90_T1ELF0 I E T D I M N W G T G Q N I T T Q L F N S A G Q D R A S H
UniRef90_T1E197 L V M K N Q K W C S S A S L H T S L L S N S G D E V A S R E T
UniRef90_UPI0003C2A46D F F W K E Q N R L R M D L D C T T I L C E P S G Q A V A W
UniRef90_L9LFD6 F L W K E Q N R F R T T P D C T M I L C K P N G E A I A W Y T P I
UniRef90_W5LK76 L V L S G L K T W G A V S D V L V S L F N T H N E E A A E R S V V
UniRef90_UPI00046B97CB F L W K E K E K F T T S P H C T T I L C K P N G E A V A W
UniRef90_G3W5E9 L V W K E Q D K F R T S S N C T T I L C K P N G E A I A W Y S P I
UniRef90_Q17PF1 L V M K G Q S W A S G D N V S T R L L D Q D G E E V A H A E R I
UniRef90_UPI00042BBF5B L V W K A Q N T W G C G N S L R T A L I N S T G E E V A M R K L V
UniRef90_UPI000443F401 L V W R G Q S S W G P A G A H T V L F G P D G E E V A
UniRef90_UPI00046B5FBD L V W K S Q S S W G T G E S F R T V L V N A D G E E V A V R T V
UniRef90_A0A024N904 L V M K N Q K W P A G D R V K T S L V D A D G N E M A T R E S T
UniRef90_D3TNH4 I V M K T Q Q W F G E N I K T S L F N N E G D E V A
UniRef90_UPI00038BEB20 F V W E E Q N R F R S S P D C T T I L C K P N G E A I A W Y T P I
UniRef90_U4UCY7 L V M K G Q K W V V A D N M T T L I N L N G E E V A V S E R V
UniRef90_I3J605 L V L Q G H R S W G V I T D V R V I L L N S S H E E V A E R R L C
UniRef90_UPI00026531FB V V S K D T E N W T K G D S T E T L L V R P D G E V M A K
UniRef90_H2S8W9 L V L Q S H R S W G P I T D V R V S L L N P N R E E V A E R R V
UniRef90_A0A023FKP2 L V M R N T K W P K G E Q K R T V L I N P D G Q E V A H R E
UniRef90_B0W9X2 L V M T K G Q T W T T G D S T V T V L V N A D G G E E A H S E R M
UniRef90_E0VAI7 I V M K Q K W F M G D S V I T L V N N E G E E V A S R S R
UniRef90_UPI00045716B2 F L W R E L E K F R T G P D C T T I L C K P N G Q V A V W H T
UniRef90_UPI000398FC0D F L W K D L I E R F R T S L D C A T I L C E P G G Q A V A W Y T
UniRef90_H9J2B5 I V M K G Q K W F V A D F T T A L L N N E G E E V A I S E R
UniRef90_Q6P0Z0 L L L S T H Q S W G S F A D V R V S L L N I Q N E E M A E Y Y V V
UniRef90_Q7PNC2 L V M K G A L W T V T D A M S T V L V N E E G E E M A
UniRef90_UPI00034F4337 L R W K G R L Y F R T N P Q C I T V L S R P T G Q P V A S Y R
UniRef90_X1Y269 L V M K S S L W T V T D M V T T L L N A E G E E V A E R Q R T
UniRef90_T1HJS8 L V M K G Q N W P V A D N M T T L I D S N G E E M A S
UniRef90_T1G8H0 L V A N V H R W E Q G D V V T K L L N T V G D D R A T H
UniRef90_T1IJX5 V L M K N Q K F C V G V T F S T V L L N N A A E E M A T R E T T
UniRef90_L8YCC3 S L G R E P V H F R S S R G C V T L L L N P K G E V L S Q H Q
UniRef90_UPI000223EE50 F L W K G Q D R L R T T F D C T T L L C K P N G Q V S A
UniRef90_M4ZQM4 L I W K N Q N S
UniRef90_Q98UK1 L V L R T H E T W G P F G E V R V S L L L N P Q N E E T A E F C L V
UniRef90_T1EFV2 L V M K G Q S W H V A E V N N T V L L D Q K G D E V A T F E M
UniRef90_UPI0002C64FD8 S L G D E P V H F H S G R S C V T R L L N K G E V L S E Y Q
UniRef90_B1PBA6 L V N E A E K S W G T G A N V Y T T F L N R D G E D R A T Y T
UniRef90_T1F7E4 V E L Y N Y S T F G Q G E D I K T Y L C N T S G E E R A T
UniRef90_T1G7N3 L E A F F Q N W G L G A N I T T K L L S Q N S G E D R A T H
UniRef90_T1FNA0 L E Y Y E S N W G T G A T V T K L I N Q L G E E R A T H
UniRef90_Q9XYD7 L E A D F P S W G V G E R I V T G L I N Q S G E E R A S Y
UniRef90_G3PMX9 L V L Q D H R S W G P F T H V R V V L L D P N H T E M A E H R V C
UniRef90_D9MSV8 I V M K T Q K W I A G D N T K T I L V N G D G E T V A
UniRef90_F1KU65 L V M K K Q Q W P T G D H V R T V L V D P A G M E K A T F E R I
UniRef90_K7GTT6 I V M S E Q P S W G Q G A H V E T F L Y N T H G V E K A S H
UniRef90_K1RFA3 L V M K G S K W P N K D A M V C V L I N S D G E E V A R R A M T
UniRef90_H2SCY6 L L W K S Q A S W G T G N E M V T L L I N G D G E A R S L H E
UniRef90_T1G105 I E C S I P N W G V G A N A A T K L T N V A G E E R A T H
UniRef90_M3YBK6 S L G Q E P V H F H S S R G C V T L L L N P K G E V L S E H R
UniRef90_K1PWQ2 L V Y R D D D S W G V G S Q V T T V L L N E S S E K A T H T
UniRef90_UPI000333093C P L G Q D A F H F H S S R G C V T L L V N T Q G Q V S E H
UniRef90_Q25017 L V F R D A D T W G A G A E V T T L I N E K G E E K A S H
UniRef90_Q9XYD8 V E A N V D N F G I G S N I L T R L Y N T L G E E R A T H
UniRef90_UPI00044020CB S L G Q E P V H F H S S R G C V T L L L N P Q G E V L S E H Q
UniRef90_R7UT36 I E A N V A S W G I G A N I T T S L I N P S G D S R A T H
UniRef90_W0GAA8 D L E A A E S S W G V G A N I N T S L Y N T E G E E R A T H T
UniRef90_UPI0003F12034 S L G R E T V H F H S S R G C V T L L L S P K G E V L S K H Q
UniRef90_UPI00046BC965 S V G R A P R H F H P S R S F V T L L L S P K G E V L S Q Y R
UniRef90_G1LVJ9 L G Q E L V H F H S R R G C V T L L L N P K G E V L S E H Q
UniRef90_B4KP06 L L M K K K W P V A N S M R S I L T N A D K E D V A S Y D R I
UniRef90_T1G936 I V M K N Q S W L K G E H K K S V V T D S Y G E E L A W K E
UniRef90_H3BG58 L L W K Q Q R K F R A G P E C T T F I C K P N G Q V
UniRef90_UPI0003AFC710 Q N W E S N S H I I T K I V N P L G E D R A T H
UniRef90_B3RLC7 V L W L K E K R W P V S P N C M T I L C K P N G Q A M A W
UniRef90_U6NTK7 L V F E A E D A F A T G G D V R T Y L Y N E E N Q E R A S
UniRef90_F6SFI2 L I W K N K S F H P S P E A V I T L L D A E G V E Q A K C T V
UniRef90_H2KUU0 I V M K N K S F H P S P E A V I T L L D A E G V E Q A K C T V
UniRef90_H0WR18 S S G Y E P V H F H S S R G C V T L L L N P M G E V L S E Y R L
UniRef90_UPI00035A0401 L V M K G K R W F V S S G D M T T L L D N Q D E T E V A S
UniRef90_F6Y9X7 S S G R E P Q P S H S S P D C V T L L L G P K G E V L S E H R I
UniRef90_U6NMF6 F V C E A D S T F A T G D D L S I Y L Y D S T G Q E R A
UniRef90_H9G3F5 L V W R G E S P W G P G D S A R L L T N T H G Q E V A T R S L
UniRef90_J9JN10 S I V M N T Q A W V V G D L M A T I L L N P E G L E V A T H E L
UniRef90_UPI000444A02 S L G R E P V Y F R S G P G C V T L L L S P T G E V L S R H R
UniRef90_Q25421 Q N W E S S H I I T K I V N P L G E D R A T H
UniRef90_UPI00035005B8 S S G Q D P L Q F H C G W D C V T L L L D A E G Q V L S E H Q
UniRef90_UPI0003BCBA3F L L W M N M V N W N T G D V K I D I L S N T G E E
UniRef90_UPI00038BF305 S L G Q D A G L V H P S L D G C I T L L L N P E G Q V L S E H Q T
UniRef90_V3ZW11 L V F R D A D E W R Q G A H V K T V L L N P K G D E K A C H

UniRef90_UPI00045E1B3B
UniRef90_U6I4Z9
UniRef90_T1E1E3
UniRef90_H2KYU8
UniRef90_UPI00032910D2
UniRef90_UPI0002A48F63
UniRef90_Q97339
UniRef90_UPI00038EDDF0
UniRef90_Q5C3Z6
UniRef90_U6I3F2
UniRef90_Q46138
UniRef90_Q01241
UniRef90_G1KWM2
UniRef90_M7CD23
UniRef90_W6NH66
UniRef90_T1FML6
UniRef90_UPI0003D71CE1
UniRef90_F1PXZ5
UniRef90_UPI000392F07C
UniRef90_UPI000462D165
UniRef90_UPI0003942DAF
UniRef90_V4BLM0
UniRef90_Q86M46
UniRef90_G3H1B3
UniRef90_UPI00034F4825
UniRef90_T1FNK9
UniRef90_Q95P01
UniRef90_UPI000328E7B5
UniRef90_U6HXL0
UniRef90_F7ECP2
UniRef90_UPI0003448280
UniRef90_V8PHT8
UniRef90_Q97354
UniRef90_H0VVH6
UniRef90_G3VQN1
UniRef90_H2W376
UniRef90_UPI0003337F07
UniRef90_UPI0002657B83
UniRef90_UPI0003F0D4AD
UniRef90_W2SWL4
UniRef90_U6IUF1
UniRef90_E9H5Y8
UniRef90_UPI0002ADB82E
UniRef90_F6YXJ5
UniRef90_UPI0003C11D0A
UniRef90_U6PRT8
UniRef90_UPI0003F11890
UniRef90_UPI00032AD4E6
UniRef90_Q86M45
UniRef90_UPI00038707D6
UniRef90_UPI0003940955
UniRef90_UPI0004434E40
UniRef90_UPI000265993E
UniRef90_G4VDT3
UniRef90_UPI0003317AE9
UniRef90_UPI0002236943
UniRef90_U6IBN6
UniRef90_UPI00039428EB
UniRef90_T1F6N5
UniRef90_Q9GRW3
UniRef90_A0A016V6V9
UniRef90_UPI0002233877
UniRef90_UPI00035C43E9
UniRef90_A0A016SRA2
UniRef90_K7G8L4
UniRef90_I8AM51
UniRef90_UPI00035DD4CD
UniRef90_Q06270
UniRef90_J9E0K7
UniRef90_F1KZ76
UniRef90_Q97340
UniRef90_G7Y526
UniRef90_K1PBC0
UniRef90_I7G866
UniRef90_G7Y2Z5
UniRef90_UPI0002656F15
UniRef90_MOMGR7
UniRef90_F7PLD7
UniRef90_A0A024FTS0
UniRef90_D2RFC7
UniRef90_H5Y2X9
UniRef90_B8GB09
UniRef90_M0KI48
UniRef90_G7W8W9
UniRef90_M0ERF1
UniRef90_H2XH73
UniRef90_U6HBR5
UniRef90_D3S3A5
UniRef90_U1PGN5
UniRef90_UPI0003C2617D
UniRef90_U1MUS2
UniRef90_G3H3C8

1 10 20 30 40

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

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

UniRef90_UPI00045E1B3B L V R N F P V C M Y R F P P E T L L K 60 P L H H V T V W G E G A S S T K K H P L E 80
UniRef90_U6I4Z9 K S D G E E V T Y K F G R N V I L K P G T S P C T V W S V D A G G A T H D P P E D
UniRef90_T1E1E3 N V I D G R L Q V V Y A A I P S E H G V I L K E A K R S L K I W A K G C K P S G T P D D S
UniRef90_H2KYU8 V I D G V L Q A F V F R I P S H L L V I Q Q Y G R N A G E P E I N L T P D S
UniRef90_UPI00032910D2 L V R G F P A C L F R F P P S G T L L A P P R H H V T V W G E G T G H T R K H G A S
UniRef90_UPI0002A48F63 V Y P H S G D V S F Q F P P S C V L A G G Q T L T I W S S G A A D E A E P G P D
UniRef90_Q97339 T V D G R T D K R F C H T S W F H L C T R P Q G K I W A K G S A Q N A P G P N
UniRef90_UPI00038EDDF0 R V R D C P V R M F R F P R S G T V L E P Q H H L T V W G E G T G G V Q Q H Q P F
UniRef90_Q5C3Z6 E A D G H E T R F K F S R T F S L K P G T T C T I W S Q D A G S H N P P S D
UniRef90_U6I3F2 Q A D G E E V T Y K F G R T F N M K P G S T C T I W S G S D S D A T H N P P P E T
UniRef90_Q46138 K I E G K S P V T F S V P K L T T G N Q R K A K I W V Q G G K P A G S S D M E
UniRef90_Q01241 K V D D N K V Y T Y E I P N L V L K T G T V V K I W S K N H Q A Q A R G D D
UniRef90_G1KWM2 Q N G K E A P I F Y R F T L K F T L K A G Q M V T W A S G A R I Q S H N P P S A
UniRef90_M7CD23 V G G S P V S I C R F P P D T T L P A L H H L T V W A A G T D C T H K K P T D
UniRef90_W6NH66 T V D G I E R S F T F P H L F V L Y P G Q T A Q V S A H V Q K T Q K N H H H H
UniRef90_T1FML6 V V D G R D Q P E F K L D S R F S L K R G Q K V G I Y A R G A Q P K K N A G A R D
UniRef90_UPI0003D71CE1 L V R D F P V C M Y R F P P G T L L A P Q H H I T V W G E G T S R T K K Q L P V
UniRef90_F1PXZ5 L V Y Q D F P V C M Y R F P P G T L L A P R H H V T V W G E G P R S T K K Q L P S
UniRef90_UPI000392F07C K T G D T T A S C R Y S S R Y L K A G Q S V T I X A E N I E A T A M P P N N
UniRef90_UPI000462D165 W V G G H P V S I Y R F P S G T L L P A Q Y H I T I W S A A A S L A H Q Q P L
UniRef90_UPI0003942DAF Q L N S D K P V T Y E F K N E F T L D A G K T L V L R K D A I K K P N E T D A D
UniRef90_V4BLM0 K A G S D E V T Y K F H R N L T L K A N A D M T V W S S D Q E V T H E D P T D
UniRef90_Q86M46 N I D N N R S L V Y E I P S S T V L R P Q K F L K I W S K G N R P M G S P N D
UniRef90_G3H1B3 I W A A N A G V T A S P P T D
UniRef90_UPI00034F4825 Q V F E G D E I A Y K F T P K Y V L R A S Q T V T V W A A G A G V Q
UniRef90_T1FNK9 N T D D V E T L N F V L P D I K L H P G D K I T L W A R G K K P P N A P S S D
UniRef90_Q95P01 N T D N G R I I V H V I S P K S I L E P N R Y Y K I W A R G N K P Q G S N D A E
UniRef90_UPI000328E7B5 G R R D E I A Y K F T P K Y V L R A G Q V V T V W A A G A G V A H S P P A T
UniRef90_U6HXL0 K A D S Y E V T F K F P R S L I L Q P G A S C Q V W N S D S G A A N D P P P K D
UniRef90_F7ECP2 Q L G N L S E S I Y K F P A C L V L A A G Q V I T I W A A G A G V S P N P P T D
UniRef90_UPI0003448280 R E R G F P V C M Y R F P P R T L L A P P R H H V T V W G E G P S M K K H L P S
UniRef90_V8PHT8 W V G G Y P I S I Y H F P K N V T L P A Q H H I T V W A A G A N L A H E P S
UniRef90_Q97354 T V D G Q E R K C V L P R N A T L P R R D K R T F I C K A G G E R K S A N D
UniRef90_H0VVH6 K I V D I S Q M S T E G R S D F P V W A A N A G I V G S P P T D
UniRef90_G3VQN1 L I H Q F P V C V Y R F P K D T L L G P Q H H V T V W G E G V S L T K K H V P Q
UniRef90_H2W376 K A G N K E A S F Q F S S R M K L G P H E S A T V W S A D A G G V S H K A P H T
UniRef90_UPI0003337F07 L V R S F P K G R Y R F P A G T V L E P G H H V T V W G V G A S S K A H Q Q A
UniRef90_UPI0002657B83 K S G A H E A A H K F P Q R F R I K A K S K M T L W S S D S G A S H N P P S D
UniRef90_UPI0003F0D4AD R V C D F P V C L Y R F P P S T V L A P R H H V T V W G E G I R C T E R K H L P R
UniRef90_W2SWL4 L V R G S E R S F T P T L F V L A P R E T V Q V I S V R G Y T P E K R D T H
UniRef90_U6IUF1 N I H G K Q I T R F T F G D T L M L P K S S R K I W A R G Q R G P D A G P K D
UniRef90_E9H5Y8 E T P K D R T V Y K F H R G L K V A P G G T L C L F F L D M G Q K H E P P S T
UniRef90_UPI0002ADB82E Q L R G F P E R L Y R F P P G T L L A P R H H I T V W G E A T R S A K K P L R A
UniRef90_F6YXJ5 Q I G E G E E I A Y K F T P K Y V L R A G Q T V S V
UniRef90_UPI0003C11D0A L V L D F P V C L Y R F P P S T L L A P R H H I T V W G E A T R S A K K P L R A
UniRef90_U6PRT8 R A G G K E V T Y Q F N T R M K L D P H G H A T V Y S A D S G E K H R P P T D
UniRef90_UPI0003F11890 L E R E F P V C L Y R F P A G T L L A P Q H H V T V W G E G F S N T K K H L P A
UniRef90_UPI00032AD4E6 L E H G F P V R L Y R F P P G T H L P R R Q L T I W S E S G C G T Q K R R P L
UniRef90_Q86M45 D I D H G R Q L T R F M P K K T L D P S K T L K I W A K G F K P S G T N R D L E
UniRef90_UPI00038707D6 G V Q S Q T V A V F Q F P P V T R T G T N S T M T V W A D A T V L H T P P S X
UniRef90_UPI0003940955 L I K D R E L F T Y K F Q E N F T L K A G E G L T H R F S T R R P Y P D T H
UniRef90_UPI0004434E40 L I Q H F P G C L Y R F P K D T L L A P Q H H V T V W G E G V S P T R K R M A K
UniRef90_UPI000265993E R S G E Q K A C H R F P L Q F S M K A K Q R I T L W S A N S K K Q H C P P K D
UniRef90_G4VDT3 N I D G R Q I T R Y T F P N H T L S P H S P H S V T V K I W A G K P T T R N S N I N D
UniRef90_UPI0003317AE9 R V G D F P V S M Y R F P P S N T Q L E A Q H H V T V W S D G L C S T K K A Q W
UniRef90_UPI0002236943 F V R G F P V C M Y R F P S G T L L E P R H H L Q V W G E G T S R T K K H P P A
UniRef90_U6IBN6 Q V D D R E V T N T F A K P K S T I W S D G C K P T D E E G
UniRef90_UPI00039428EB Q I N D N E P L T H A K F K E N F T M K P G E I V T V R R D G A R N P Y P T N A D
UniRef90_T1F6N5 I L S D V E S L E Y V L Q P N V F I K P N T T I N I W S L G S K P S T A L Y S D
UniRef90_Q9GRW3 K A D D K E R E G F T F P S N T Q L L P G G Q K M T V Y G R G R G P
UniRef90_A0A016V6V9 T S S S I R Q V S Y T F P R G F V L T P Q S T V Q V F A R G R G I H N P P R S
UniRef90_UPI0002233877 K I G D T S V T Y K Y T S R Y V L K A G Q T V T E V A Q R S T V
UniRef90_UPI00035C43E9 S D D G Q G H T F N F P N G F L L G S G S S V K L V S G G Y G Q D T E S V
UniRef90_A0A016SRA2 R I D G K R E I V Y S L P K D F V L R A G K S V K V
UniRef90_K7G8L4 W I G G Y P V S I Y R F P L D T T L P A L H H I T V W A T G A D R A H K P P K E
UniRef90_I8AM51 S R G G Q T F T F P P G Y V L Q P G G S V F V Q S G A L A F D D P P T Y
UniRef90_UPI00035DD4CD V Q G N Q T F T F P Q G F L L R K G A S V T V S G K N A Y N N P S Y
UniRef90_Q06270 R T S S L P E I S Y I I N R D T Q L D A Q Q N L R L W A K N F E K D A E I K A D
UniRef90_J9E0K7 K L D N R R E L V Y I I P S N T V L K A G R T M K
UniRef90_F1KZ76 S E S E G K E A V Y R F H P Q Q I L D S G T A I T V W S A S S G K V E M S P G D
UniRef90_Q97340 N I D G K A T T F K I P G G T V L S P G S K I R F Y K K G G K D Q D K K A T K
UniRef90_G7Y526 T V D G D L N E Y E F D Q P I Y L P S K T S I T L W T N D I N N K Q N H S A S
UniRef90_K1PBC0 E I G G K T K C T Y E F K N D I Q L G P G Q K I K L F S G G A D M K Q S D S D
UniRef90_I7G866 Q N G D D P L L T Y R F P P K F T L
UniRef90_G7Y2Z5 N I D Q G R Q L T Y T L P N R I I P A H T S F R I W A A G K M S P G S G M F D
UniRef90_UPI0002656F15 E C G E D K A C H R L P P H I I E P R S K V I I W S A D A K A T H Q S P V N
UniRef90_MOMGR7 T V A D A A D H E Y T I P S N T V L E A G E T I T L H T G E G T N T N T D
UniRef90_F7PLD7 T V D D A A D H T Y T F P S G F T L D P G A Q V T L H H T G S G T D S A T D
UniRef90_A0A024FTS0 T V D G K L E T Q V F R F P S T Y V I K P H A R V T V F S K N A R A D V K P D E D
UniRef90_D2RFC7 K A G H T F T F P D I T L E P G E S V Y V Y S G E G V N S E N K
UniRef90_H5Y2X9 E V I D G Q T Y H F P S G T T V A G G S L K V V S E N A G A G A D T
UniRef90_B8GB09 E I D E G E H H T Y T F P Q F T L A S G A E V K L W T K A G T D D A N N
UniRef90_MOKI48 T V S D E A D H T Y T V P D G F T L D P D E T V T L H T G S G T D T D T D
UniRef90_G7W8V9 E K G N Q T Y S F P S G I T I P A G G T L K V L S G S K A E S T G A
UniRef90_MOERF1 T V A D E A G R S Y F P P G F A L D A G A T V T R T G S G T D T D T D
UniRef90_H2XH73 I V D G N T M A P T P L P N E I I L Q P G Q E Y T F H A K H K D A R N I P G T S
UniRef90_U6HBR5 Q V D D R L T N T F I P K G T V D P S R R M V K I W S E G C K P T D G E G F E
UniRef90_D3S3A5 D E A G H V Y T F P D F T L Q P S R S V T V H T G C G T D T A T D
UniRef90_U1PGN5 T V S D E A I H E Y A F P A E F K L R P G E S V T L Y T G D G T D T N N E
UniRef90_UPI0003C2617D N V N G Q A V A V F R F P P N I R M S A N S T V A V A W C T P
UniRef90_U1MUS2 T V S D E A I H E Y A F P A G F K L R P G E S M T L Y T G D G T D T D N E
UniRef90_G3H3C8 T V S D E A I H E Y A F P S G I C Q Q T A F S K V W A A A S E A K P Q P P T D

UniRef90_UPI00045E1B3B S L G R K S V Y Y H S S R G F V T L L L N P K G E V L S E Y Q
UniRef90_U6I4Z9 I V M K N Q R F H A G A N T T V T L T N E N E E E Q A S
UniRef90_T1E1E3 L E C Q D A N W G I G S L I V T L L T N K K G E E K A T H T
UniRef90_H2KYU8 I V M E S H A S W G Q G R Q A E T F L Y N S H G I E K A S H I L I
UniRef90_UPI00032910D2 L G R G S V R F H S S R G C V T Q L L S P K G E V L S E H R
UniRef90_UPI0002A48F63 M V L E N N G S W G A V G D M R V V L L N P S H E E
UniRef90_O97339 D I E S N Q N S W G I G A N I T T K L V N L S G E D R A T H
UniRef90_UPI00038EDDF0 S S G Q D P L Q F H C G R G C V T L L L D T E G Q V L S E Y Q
UniRef90_Q5C3Z6 I T M K N K S F H P G T E V T I L L L D A D G E E
UniRef90_U6I3F2 V V M K N Q T F H S G A N I T T L L I S E D E K E Q A S
UniRef90_O46138 C D V K S M G V G G N I Q T I L L N A E G E E R A T H T
UniRef90_Q01241 L V S R E N D T W G T G S N V V T L L Q N E K G E D K A N Y T
UniRef90_G1KWM2 M V W K N Q V P W E S G N S L R S T L L T S S
UniRef90_M7CD23 M T L R A Q Q Y F R T G P E C T T V L S N A K G Q
UniRef90_W6NH66 F S L E R H S S W G V G A H V I T Y L Y N A D G K E V A S F E V
UniRef90_T1FML6 I E A N F E S W G I G A T T R L I D A D G N E K A T H T Q T
UniRef90_UPI0003D71CE1 A S G Q D P F Q F Q S S R G C V T V L V N P Q G Q A
UniRef90_F1PXZ5 S L G F H F N R G C V T L L L N S P K G E V L S E Y Q
UniRef90_UPI000392F07C L L W E E N S C G T R K N V E M V L K N S L G E V S Q R S T V
UniRef90_UPI000462D165 A E L S G P R F F R A G P G C L T I L F D H S G Q V I S Q Y
UniRef90_UPI0003942DAF L L W L Y L A N W N I G D G V K I D L I G N T G E E
UniRef90_V4BLM0 L V M K N K Q W G S D K S E T V L L D N E G K E R
UniRef90_Q86M46 L E C Q S T W G T G M H I F T A L L N K S N E E R A T H T
UniRef90_G3H1B3 L T W K N Q N S W G T G E D V K V I L K N S Q G E V A Q R S T V
UniRef90_UPI00034F4825 I E T N D D N F G V G S N A V T K L C N A M M E E R A V H
UniRef90_T1FNK9 C S E S N W G Y G A H I V T T L Q N S K G E E K A T H T
UniRef90_Q95P01 L V W K S Q S W G T G E S L R T T L V N A D G E E V A V R T V
UniRef90_UPI000328E7B5 L V M K N Q S F K M G T N I S F S L I G N D K E E Q A N C Q I T
UniRef90_U6HXL0 L V W E S Q K S W G A G N F V R I T L V S A N G D
UniRef90_F7ECP2 S L G Q E P V H F H S S R G C V T L L L N P K G E V L S E H R
UniRef90_UPI0003448280 F S N T K F F R A G P D C L T T L C D R N G Q V
UniRef90_V8PHT8 I E C N D S F G I G A N I T T K L T N P D G E E K A S H
UniRef90_O97354 L T W K N Q D S W A T G E D V K V V L N A Q G Q
UniRef90_H0VVH6 M Q R Q L H F Y T N P G C V T L L L N P K G Q V M S E Y Q
UniRef90_G3VQN1 S V M K K Q Q W P I G E N P S A R L E D S E G D V V S S I T V
UniRef90_UPI0003337F07 Y V G E L G R I H S G H G C V T L L L N S K G Q V L S E F
UniRef90_UPI0002657B83 Y V L K G P D E N Q T G D E V T T I L N Q E D A E M A K R
UniRef90_UPI0003F0D4AD A L R Q E L V L F Q S S R R C V T L L L N P K G K V L S E Y R
UniRef90_W2SWL4 F V Y D G D T T W G I D G N V L T R L Y N T Q G V E L S N F E V
UniRef90_U6IUF1 L E S P Y S T W G V G G Y I Y T T L F T M D G E E R A T H
UniRef90_E9H5Y8 L V M D K Q R W Y T D H E M V T R L Y D E K E M E I A K Q E
UniRef90_UPI0002ADB82E S S G Q E P V P R L S S R G C A M L L L S P K G E V L S E H R I
UniRef90_F6YXJ5 T E P V H F Y S S R S C V T L L L L N P Q G E V L S E H Q
UniRef90_UPI0003C11D0A F V M K K Q N W P M G D N P S V R L E D H E G D L R S S
UniRef90_U6PRT8 S L D G E S T Q F H L S R N R V T V L L N L D G E I L S E F Q T
UniRef90_UPI0003F11890 N S G Q E P T L F H V S P G C V T L L L G P K G E V L S E H Q
UniRef90_UPI00032AD4E6 I L E T N W G I G S D I H T T L L S A T G E E K A T Y T
UniRef90_Q86M45 F L W K D L E R F R T S L D C A T I P C E P S S Q
UniRef90_UPI00038707D6 L T W K D M S I F W N S E D K V K I S L T S N T G E E
UniRef90_UPI0003940955 A P Q K D L I H F Y T H P G C V T L L L N P A G E V M S Q Y Q
UniRef90_UPI0004434E40 Y V L R K I V F P W S G P G D V T T I F N P Q G K R M A K R
UniRef90_UPI000265993E I E A P Y S T W G T G S Y I Q T S L Y N P D G L E K A T H
UniRef90_G4VDT3 T G G Q Q P T S F Q P S Q R F L T V L L N P E G E V L S S F R
UniRef90_UPI0003317AE9 S L G R E S V N F H S S L G Y L T L L L N P K G E V L S E Y Q
UniRef90_UPI0002236943 L E L S G G N R W E M G A S T R T A L L S P N G E E K A V Y T L
UniRef90_U6IBN6 L R W L Y U P I 0 0 0 3 9 4 2 8 E B I E S E L T S W G V A D N V V T K L I A P N G E
UniRef90_UPI00039428EB I E S E L T S W G V A D N V V T K L I A P N G E
UniRef90_T1F6N5 V V C E S D T T F A T G D D L D I Y L Y D N N G Q E R A R
UniRef90_Q9GRW3 I Y W K T R T V W N N D G D T A R L F D P S G E T V S E R E
UniRef90_A0A016V6V9 A T L R T Q Q Y F R A G P E C T T V L S N A K G K I L S W H T
UniRef90_UPI0002233877 L L W T N A N V W N N G D T A V L F D A S G A P V S V Y S
UniRef90_UPI00035DD4CD L M W K K A N M W N N D K D P A K L L N S S G V L V S S
UniRef90_Q06270 D I M S S V A D W G V N R N S V I T L F D E N G V E K A T L T I
UniRef90_J9E0K7 I V M K T Q R W P T G K Y K K I T V V D D L G T V V V M H E
UniRef90_F1KZ76 F D M D E M E T W G M G A Q I I T M L L N Q N G N K A T H T
UniRef90_O97340 I R C Q N V P C W G S G P N C L T S L Y S P S G Q L L A Q
UniRef90_G7Y526 I V C D F F T W H A G G S Y V L T D E Y N N E K A S L K M T
UniRef90_K1PBC0 F E G P Y A N W G T G T L V H T S L Y S P D G
UniRef90_UPI0002656F15 Y V L E E T V P W S E S D D L V T K I Y D R S G T R I T E R R T
UniRef90_G7Y2Z5 L Y W G S G S A I W N N G G D T I I V T N D Q G E R V I E E E
UniRef90_MOMGR7 L Y W G S G S P I W N N A G D T V F V H D D E G P V L T E E
UniRef90_F7PLD7 A F M T K K F S W N H S G D W A V L Y D S D G S P V S S
UniRef90_UPI00024FTS0 L Y W G N G A I W N N D G D T A Y L Y D A N G N L V D T Y S
UniRef90_D2RFC7 L V W T Q S N I W N N G D P G A L Y D S Q G K L V S K R
UniRef90_H5Y2X9 L Y W G S R R P I W N N S G D S A L R D A N G N L V S R Y T
UniRef90_B8GB09 L Y W G S E R P I W N N G G D T V T V I D A N N E T V L E R S
UniRef90_MOKI48 L L W T K S D V W N N D G D P G S L Y N A Q G Q V V S
UniRef90_G7W8W9 L Y W G S G S P I W N N A G D T V T L S D A D G D P V S E
UniRef90_MOERF1 C V M H R H E T F G T G K V N Y T I L M D N N G E E I A K H E
UniRef90_H2XH73 L R D S R W G T T T R T V L M A P S G E E K A A Y T L
UniRef90_U6HBR5 L Y W C S W T P V W N N D G T A Y L Y D A D G N L V D S Y S
UniRef90_D3S3A5 L Y W R E D G A V W N N A G D T V T V K N D S G D T I D T Y T
UniRef90_U1PGN5 M Y W N R K L R W K G Q E D S E H
UniRef90_UPI0003C2617D L Y W R E D G A V W N N A G D T V T V K N D S G D T V D T Y T
UniRef90_U1MUS2 F V W E E Q I R F R S S P D C T T I L C K P H G E A I A W Y T P I
UniRef90_G3H3C8

UniRef90_G3H3C8
UniRef90_D2I7Z8
UniRef90_UPI000441A28E
UniRef90_MONE26
UniRef90_UPI0003D0FE78
UniRef90_J7IXL4
UniRef90_UPI000328DDE0
UniRef90_UPI00038912DF
UniRef90_UPI00027F8856
UniRef90_G7WQ46
UniRef90_M0MAK8
UniRef90_J7J1K3
UniRef90_U6NYQ6
UniRef90_M0MVJ9
UniRef90_L0KY89
UniRef90_W0I2K8
UniRef90_L0JRF1
UniRef90_U2E109
UniRef90_A9BIB8
UniRef90_UPI0002038097
UniRef90_MOE043
UniRef90_L5N976
UniRef90_UPI0001E2D06F
UniRef90_UPI0001E2BD6A
UniRef90_E3NDX4
UniRef90_UPI000359B05C
UniRef90_F8DEJ3
UniRef90_B8CXY4
UniRef90_Q18EZ3
UniRef90_V4IYM7
UniRef90_UPI00029A001A
UniRef90_A0A016UZJ6
UniRef90_MOHGU8
UniRef90_I1FED3
UniRef90_A8XM87
UniRef90_UPI0003C87123
UniRef90_L9X424
UniRef90_H6LB51
UniRef90_A0B6S3
UniRef90_UPI0003AB670A
UniRef90_J3JI01
UniRef90_M0CG53
UniRef90_B6YU61
UniRef90_A3CW90
UniRef90_V4XULO
UniRef90_W0K5A4
UniRef90_UPI00035024FA
UniRef90_NOBG95
UniRef90_MODWT7
UniRef90_UPI00038EA8E9
UniRef90_E1CPU2
UniRef90_M1Q7U0
UniRef90_N0BM96
UniRef90_M4C6M7
UniRef90_B5Y731
UniRef90_G0HLA0
UniRef90_H2VT84
UniRef90_G2MKW8
UniRef90_I7LLU4
UniRef90_UPI0001E894EA
UniRef90_Q45RT7
UniRef90_A0A024UDM5
UniRef90_E7QMX3
UniRef90_E1RK68
UniRef90_UPI00045DF2D3
UniRef90_UPI00035CD592
UniRef90_L5LER8
UniRef90_D4GYB3
UniRef90_T0Q0E4
UniRef90_C7P2R0
UniRef90_E1IE24
UniRef90_L0KXY5
UniRef90_L9Y0M6
UniRef90_B8GC86
UniRef90_J2ZE25
UniRef90_L0KAE3
UniRef90_M0CK92
UniRef90_F4BTB6
UniRef90_G0HT13
UniRef90_T1F7W3
UniRef90_E8MZ24
UniRef90_UPI00035A11CA
UniRef90_D7E828
UniRef90_M0MHW3
UniRef90_M0IT24
UniRef90_J3JHY3
UniRef90_C5CDX3
UniRef90_M0PP36
UniRef90_B0R9C5
UniRef90_M0DDN8
UniRef90_M0E123
UniRef90_V5A1Y8

1 10 20 30 40

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

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

UniRef90_G3H3C8
UniRef90_D2I7Z8
UniRef90_UPI000441A28E
UniRef90_MONE26
UniRef90_UPI0003D0FE78
UniRef90_J7IXL4
UniRef90_UPI000328DDE0
UniRef90_UPI00038912DF
UniRef90_UPI00027F8856
UniRef90_G7WQ46
UniRef90_M0MAK8
UniRef90_J7J1K3
UniRef90_U6NYQ6
UniRef90_M0MVJ9
UniRef90_L0KY89
UniRef90_W0I2K8
UniRef90_L0JRF1
UniRef90_U2E109
UniRef90_A9BIB8
UniRef90_UPI0002038097
UniRef90_M0E043
UniRef90_L5N976
UniRef90_UPI0001E2D06F
UniRef90_UPI0001E2BD6A
UniRef90_E3NDX4
UniRef90_UPI000359B05C
UniRef90_F8DEJ3
UniRef90_B8CX4
UniRef90_Q18EZ3
UniRef90_V4IYM7
UniRef90_UPI00029A001A
UniRef90_A0A016UZJ6
UniRef90_M0HGU8
UniRef90_I1FED3
UniRef90_A8XM87
UniRef90_UPI0003C87123
UniRef90_L9X424
UniRef90_H6LB51
UniRef90_A0B6S3
UniRef90_UPI0003AB670A
UniRef90_J3JI01
UniRef90_M0CG53
UniRef90_B6YU61
UniRef90_A3CW90
UniRef90_V4XUL0
UniRef90_W0K5A4
UniRef90_UPI00035024FA
UniRef90_N0BG95
UniRef90_M0DW77
UniRef90_UPI00038EA8E9
UniRef90_E1CPU2
UniRef90_M1Q7U0
UniRef90_N0BM96
UniRef90_M4C6M7
UniRef90_B5Y731
UniRef90_G0HLA0
UniRef90_H2VT84
UniRef90_G2MKW8
UniRef90_I7LLU4
UniRef90_UPI0001E894EA
UniRef90_Q45RT7
UniRef90_A0A024UDM5
UniRef90_E7QM33
UniRef90_E1RK68
UniRef90_UPI00045DF2D3
UniRef90_UPI00035CD592
UniRef90_L5LER8
UniRef90_D4GYB3
UniRef90_T0Q0E4
UniRef90_C7P2R0
UniRef90_E1IE24
UniRef90_L0KXY5
UniRef90_L9Y0M6
UniRef90_B8GC86
UniRef90_J2ZE25
UniRef90_L0KAE3
UniRef90_M0CK92
UniRef90_F4BTB6
UniRef90_G0HT13
UniRef90_T1F7W3
UniRef90_E8MZ24
UniRef90_UPI00035A11CA
UniRef90_D7E828
UniRef90_M0MHW3
UniRef90_M0IT24
UniRef90_J3JHY3
UniRef90_C5CDX3
UniRef90_M0PP36
UniRef90_B0R9C5
UniRef90_M0DDN8
UniRef90_M0E123
UniRef90_V5A1Y8

50 60 70 80

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

UniRef90_G3H3C8 F[V]WE E Q[L]RFRSS P D C T T L L C K P H G E A L A W Y T P L L

UniRef90_D2I7Z8 L[V]WE S Q K S W G V G E N I S I V L L D G D G N E T A E

UniRef90_UPI000441A28E L[Y]WGA S G A V W N N D G D T V T V R N G A G E T V A E R S

UniRef90_MONE26 L[V]WT Q S N L W N N D G D P G A L F N A E G Q L V S K R

UniRef90_UPI000328DDE0 F L W K E Q N E F T T P N C T T L L C K P N G E A L A W Y T P L

UniRef90_UPI00038912DF L[V]MD L A S P I W N N G G D V A T L L D P D G N V I S T F

UniRef90_UPI00027F8856 L[Y]WGA S G A V W N N D G D T V T V R N E V G K T V A E R S

UniRef90_G7WQ46 L L W T Q S N I W N N S G D P G T L Y N S Q G Q V V S R Y

UniRef90_M0MAK8 I V M E K Q N W P M G D N T S V R P K D H E G N L R S S

UniRef90_J7J1K3 R Y W G A T S A V W N N D G D T V V V A N A S G A V V A R R S

UniRef90_U6NYQ6 L Y W G S G N P F W N N D G D T A S L Y D S N G N L V

UniRef90_M0MVJ9 L Y W G R N A P V W N N G D T A Y L Y D S K G

UniRef90_L0KY89 L Y W G Y N V N I W R D D G D V V R V A D A N G Q V V L E H

UniRef90_W0I2K8 L Y W G S G S P I W N N A G D T V I V R E D T G D L V L E

UniRef90_L0JRF1 L K W T G A Y I W N N D S D I A A L Y D A E G V L I S R

UniRef90_U2E109 L Y W G S G G A V W N N S G D T I I V E N E D G E T V I E Y E

UniRef90_A9BIB8 L Q W S K A Y L W D N N G D T A R L Y D P Q G

UniRef90_UPI0002038097 L K W T N A N I W N N D A D T A E L Y D N K G K L I S L M T I

UniRef90_M0E043 L M W A D S N I W N N D G D P A Q L F N N L G K L V S S

UniRef90_L5N976 L V A H Q I Y S F D F S K N T K T V L V D D A D E V

UniRef90_UPI0001E2D06F L Y W G S G S A I W N N S G D T I I V T N A D G E T V I N R E

UniRef90_UPI0001E2BD6A I I W T R S N I W N N S G D G A L L T D S N G E

UniRef90_E3NDX4 L Y W G K R E P V W D N D G D T V I I T N H D G E T V T T Y

UniRef90_UPI000359B05C L Y W G R S S P T L N N D G E T V T L R D A D G A V V A E R S T

UniRef90_F8DEJ3 L Y W G S E V P V W D N D G D T V Y L Y N E R G N L V D S Y S

UniRef90_B8CXY4 V Y W R S G A V W N N G G D T V T V T D S S G S T V A T Y T

UniRef90_Q18EZ3 I I W K A V N N W G F G S R T S L C T K N G E A S F M H V V V

UniRef90_V4IYM7 L V A T G I Y S F D F S K K T K S V L L D D A D E E V G W Y

UniRef90_UPI00029A001A L H W G I Q N Q V W S Q E G D T V I V E D A N G D V

UniRef90_A0A016UZJ6 F H W D G G G T W N N S K S D P A E L Y D S S G Q L V D T Y

UniRef90_M0HGU8 L Y W G R S V P V W N N D G D S A T L R D S S G

UniRef90_I1FED3 R V F D D

UniRef90_A8XM87 Y Y W G R N S P V W N N D G D T V T V R D E T G T T V A V H R

UniRef90_UPI0003C87123 L Y W G A G S P I W N N G G D T V I V T T A D G D E V

UniRef90_L9X424 L Y W G S S W G A N D G D T A Y L Y D A S E N L V

UniRef90_H6LB51 L Y W G R G S A V W N N D G D L A T L A D A N G T V V S T M E R

UniRef90_A0B6S3 Y Y W G R S Q P V W N N A G D T A T L A D D E G T V V A E R S

UniRef90_UPI0003AB670A L Y W G S G S P V W N N G G D T V F V T T D D G E L V V E

UniRef90_J3JI01 L Y W G S D R A I W N N D G D T A Y L F D A A G D V V S W

UniRef90_M0CG53 L Y W G S G S P I W N N D G D T V I V T T T E G D R V L E

UniRef90_B6YU61 S S G Q D P L Q F H C G R G C V T L L L D T E G Q V L S E Y Q

UniRef90_A3CW90 Q V A D N F S F G V G T C V W K L L D E A G N E K A T

UniRef90_V4XULO L Y W G S E S P V W N N D G D T A Y L Y D N S G N I A E L E R

UniRef90_W0K5A4 L H W N R K S P V W N N D H D T A Y L Y N A E G E L V D K Y S

UniRef90_UPI00035024FA S F L A N K F S L N Q K G D F I V L V T S D D V P V S M K S

UniRef90_NOBG95 L K W T S S T I W N N D G D P A E L L D D K G R L V S S

UniRef90_MODWT7 L Y W G S K R A I W N N D H D T A Y L Y D A Q G R L V

UniRef90_UPI00038EA8E9 Y L I N S F N F S K D T K T V L M D D A D E E V G W Y

UniRef90_E1CPU2 Y Y W S A G S P V W N N G D T V T V R T A S G E L V A E K S

UniRef90_M1Q7U0 L Y W G R R T P V W N N D G D I A T L T D P D G R V A S T L E R

UniRef90_NOBM96 F K K Y I H W N N N G D K A Q L Y D D Q G D L V D E Y E

UniRef90_M4C6M7 Q V A D Q F S F G V G T C T W K L L D E S S N E K A T

UniRef90_B5Y731 F Y V I K K A M W N T Q A D V A Q L T N P S G D V V S S Y

UniRef90_G0HLA0 L Y W G N T A I W N N G G D T V S V Y D D S G

UniRef90_H2VT84 Y Y W N S G E N I W N N S G D T A G L Y D E D G N L I D S Y

UniRef90_G2MKW8 L Y W G R E P V P L L S S R G C A T L L L S P K G E V L S E H Q I

UniRef90_I7LLU4 I V W T K K Y I W N N Q G D F A Q L Y N S K N Q L V S E Y

UniRef90_UPI0001E894EA Q V A D Q F S F G V G T C T W K L L D E S S N E K A T

UniRef90_Q45RT7 F Y V I K K A M W N T Q A D V A Q L T N P S G D V V S S Y

UniRef90_A0A024UDM5 L Y W G N T A I W N N G G D T V S V Y D D S G

UniRef90_E7QM33 Y Y W N S G E N I W N N S G D T A G L Y D E D G N L I D S Y

UniRef90_E1RK68 S S G R E P V P L L S S R G C A T L L L S P K G E V L S E H Q I

UniRef90_UPI00045DF2D3 I V W T K K Y I W N N Q G D F A Q L Y N S K N Q L V S E Y

UniRef90_UPI00035CD592 V Y W R G G A V W N N G G D T V T V R D A T G D E V L A Y T

UniRef90_L5LER8 F Y A V G K K A I W N P K G D V A L V K N A E G E V V C S H

UniRef90_D4GYB3 F Y R G N G P I W N N D G D T A T L R A N G T V V A

UniRef90_T0Q0E4 F Y W S N R I A I W N N D G D T G T L K D A E G N I I S T Y S

UniRef90_C7P2R0 L Y W G K D D H V W N N D G D T A Y L Y D S T G K L I S S

UniRef90_E1IE24 L H W D I E T P W N A S G D T V V V L D G D G T V V L E Q S I

UniRef90_L0KXY5 L Y W R N E T A V W N N G D R D T A F L I D R N G N V I S T Y R

UniRef90_L9Y0M6 L Y W G K G G A V W N N G G D T V Y L Y D A S G T L V

UniRef90_B8GC86 L V W D W Y I W N N D G D G A K L Y N S K G E L V S K Y

UniRef90_J2ZE25 L Y W G S D S A W N N G G D T V V V T R D G E T V L R Y

UniRef90_L0KAE3 L F W D R S T I W N N S G D L A V L L D P E G N M V S Q Y

UniRef90_M0CK92 R Y W G R N G A V W N N D G D T V V V R N A S G E T V

UniRef90_F4BTB6 L V F K E L T R W K V G D V L T T L Y R C D G K P V S

UniRef90_GOHT13 L Y W R T E A V W R S G E V V T L L D P A G Q V H A T Y T V

UniRef90_T1F7W3 L Y W G S G R A I W N N D G D N A Y L Y D S T G E L V D S Y Q

UniRef90_E8MZ24 R Y W G Q A N A V W E N G A D T M T V R N A S G E L V L Q R S

UniRef90_UPI00035A11CA V Y W E R A G A V W N N G G D T V T V R D A T G S E V L T H T

UniRef90_D7E828 Y Y W N A S S P V W N N D G D V T V M T A A G E P V

UniRef90_M0MHV3 L K W T G Q Y V W N N D G D T A Y L Y D S S G A T V T Y S

UniRef90_M0IT24 L Y W Q D A P V W N N G G D I V T V R D D N G N V I V Q R S

UniRef90_J3JHY3 L Y W G Q S S P V W N N G G D T I S L R D A T G T V I E E T

UniRef90_C5CDX3 L Y W G S G S P I W N N G G D T V I V T N A N G E

UniRef90_M0PP36 L Y W G S G S P I W N N G G D T V I V T T D D G E R V V E

UniRef90_B0R9C5 L Y W G S G S P I W N N G G D T V I V T T D D G E R V V E

UniRef90_M0DDN8 L Y W G S G S P I W N N G G D T V I V T T D D G E R V V E

UniRef90_M0E123 L Y Q R S G S P I W N N G G D T V I I R T A D G T V L E

UniRef90_V5A1Y8 L Y Q R S G S P I W N N G G D T V I I R T A D G T V L E

1 10 20 30 40

UniRef90_MOM0S0 S S I G E I G I A V D L N D E Y V T Y E N T G D A G L D L S G W
UniRef90_L0EJW7 L V I T G L D L A S E A V W S V Q N N T G S K K E L H L K G W K L V S
UniRef90_B8GEN5 I T I V I Q V L D L A S E A V W S V Q N N T G S K K E L H L K G W K L V S
UniRef90_B3XX17 I T I V I Q V L D L A S E A V W S V Q N N T G S K K E L H L K G W K L V S
UniRef90_R4YY15 E E S N L N G E Y V Q L R N H G S T T P F D L T G W Q W K
UniRef90_A8WU70 N I C I A K S H P N Y I V L R N C S Q V E H S L D D F I F F R
UniRef90_M0E7D5 H A D A A G D N D R S N L N D E Y V V L E N T G N E T L E L S G W
UniRef90_Q8MYK6 Q K R S K G T V A F G E A T L D D N F I V M E N T T D S D Q K M D G W Q I R R
UniRef90_M0KQH6 G S E S A S G V E I A N I L N L N D E Y V T L V N T G D E P V N L S G W A V I S D
UniRef90_B8GX7 I V I S D L N L V G E Y V W N I T N K G S I P V S L E N W K I Q D
UniRef90_X1NJV7 Q A P S A G N V Q I T Y I F Y D G E Y V E I T N L G D T P K D L E G W V L K D
UniRef90_G7PNN6 L K I V A V S C R E K F V R I F N P S E S T A D L S G M V L K Q
UniRef90_P22488 Q R S S K G P L A F N S V D Q S G S N I V I E N T T S K T Q S L R G W R I D K
UniRef90_UPI00036DC838 Q Y D S P G S D T G S N T S L N A E Y V V I K N T T R S N R V L T G W T L R D
UniRef90_E4NMB9 N P N G E Y V V F R N E G E Q V I D L S G W S
UniRef90_Q06268 H R T S A G S V S I M E V D A T G Q Y I E L E E I S S E P V N L K G W S L E R
UniRef90_M0D0M5 A T P A S P L T V S N V D A S G E S V S F A N A S S D A P V D L S G W
UniRef90_U1Q2F3 N L N D E Y V T F E N T G Q E A V E L T D W
UniRef90_E7QV58 N L N D E Y V V L K N A D E T L D L S G W
UniRef90_UPI000329854C G D I I L D E V D R H G H Y I C L K N S S S E D I L M A G W K L K L
UniRef90_M0FCE3 L A F V E V N A D A E N V V E N A G S D D A L D L T G Y
UniRef90_M0MU67 N L N D E Y V V L E N T G S T S L D L D V S G W T V K
UniRef90_M0CUX1 H A D A A G N D N E N L N D E Y V V F R N E G E E A V D L S G W S V V D
UniRef90_U1PQ55 T G S I A V Q S V N A D D E Y V V F E N P A S A G I P V S L G Y A V E D
UniRef90_U5VY60 N L N G E Y V T F E N T G S T P L D I S G W
UniRef90_M0HIF1 N L N D E Y I V F E N T G S E T L D I S G W
UniRef90_M0MCK5 N L N D E Y L V F E N T G S T P L D I S G W
UniRef90_R5AJ10 L C I K A V D R Q D Q T V T I Q N N G A D A D I S G C M L F S
UniRef90_A4QG56 A E S P V V I N E V D P V G D W V E L A N T D N N N I D I S G W S L V D
UniRef90_M1UZW2 A T S P V V I N E V E S N G G D F V E L A N T T N N S V D I S G W S L V D
UniRef90_J2ZWC1 N L N G E Y V T F E K T G T A S L N L S G W E L A D
UniRef90_W7VIT1 S N A S L N A E Y V Q L T N K R K T V Q N L K G Y Y V R D
UniRef90_M0L749 N L N D E Y I T L T N A G D A P V D L S G W
UniRef90_M0E8D3 S S S G G Q L E L V E I N A D Q E N V V F E N V G D S A L D L T G Y
UniRef90_H1Z285 S D S C S G D S C I Q E I N P V S E E V T I Q N A G D E D K Q I S G W R
UniRef90_W0K2B3 D V D D E F L V F E N D G D Q R L D L S G W
UniRef90_F4F1W7 S L N A E Y V K L T N R R S S T I N L K N W T L R D
UniRef90_G8SAC9 H E G E F V R I G N T G R R A V D L T G W
UniRef90_M0DT50 N L T E E Y V E F R N D G D E E L D L S E H T V R D
UniRef90_M0I244 S A S G N V E I A N I L N D E Y V T L T N T G D R P V A L S D W
UniRef90_X0SKR5 N V Q I T H I F Y D G E Y V E I T N L G D Q P Q E L T G C I V K D
UniRef90_X0TXE3 N I N G E F V L E N I G S E S L D T S G W T I K D
UniRef90_UPI000470C736 D E Y V E I T N L G D Q S Q D L G D W V L K D
UniRef90_V4XXG0 N L N N E F I V F T N T G G T E L D L S G Y I I S D
UniRef90_E8WEB1 Q Y D S P G K D T R T N T S L N A E Y V D I H N N G K A K L Q L K G Y K L K
UniRef90_G7WQ47 D D E W V E V V N P G M A S Q D F T F W T L E D R
UniRef90_A0A024NGZ9 D A A N L N G E Y F L L K N Q G R T A V S V A G W
UniRef90_I0HD30 N Q E Y I Q V K N V G K T T L N L T G Y K V R
UniRef90_A0A022KTF9 D L E I I E V N A L D E Y V V I H N Y G E S S I I M T G F K L
UniRef90_X1M4G0 I D V A S V D V N G E S V T V V N R G D T A L G L G G W T L
UniRef90_UPI0003606505 Q V T T I G N V Q I T K I V D G E Y V E I T N L G S E P Q D L A G W V L K D
UniRef90_X1SBX0 V D V D W Q Q E L L H V T N G S P T A V A V G G W
UniRef90_R4LUB3 S D G S V K S T E A D E Y I A I V N E S L V D I D I S G W K I Q G
UniRef90_K9WGB0 S S G Q L T I T N I Q P E G E T F V L E N P T D S A I D L S G Y
UniRef90_M0MFP3 T Q G A L S V E D V D R E G Q Y I L L K N T T A S P L D L A D W A V T V
UniRef90_F2UP87 L N L N D E Y V I E N G D D L V N I D G W T V V K
UniRef90_X1LWK6 L E S E R I V L R Y N G P L A L D L S N W R I K
UniRef90_H1A8K7 N L S F S E L D R E N Q K I T I R N N G S E A V L M D G H I L F S
UniRef90_J9GVS2 D E Y V E I T N L G T A P V N L Q G W R L I D
UniRef90_X1VAE3 S S D G P V H F A S A D P S D G L V R I F N A S D D V V P M G D W R L Q P
UniRef90_X1KFU8 D I H V T L N L D V L A Q A V T L V N N G T L P V P L D N W F I
UniRef90_G7Y6Z0 I S L S L D D A I S E C I R L T V S N G T F E D S I S G Y K I V V
UniRef90_B8GKR4 S N G T L A I A T I N A D D E Y I V F E N E G T E T L D L S G W T V E D
UniRef90_F4QEHL N V F I N E V D V N G E F V E L V N S G T A A V D L S G W
UniRef90_B9LQ07 S S P L S K V E I S Y I H Y R G E Y V E I A N N G S S A V D L S R W R I L S
UniRef90_H8MYG3 S P G P D R G G N A S L N G E Y V L K N F G T A A V S L K G W T I R D
UniRef90_W4L8A1 Q Y D S P G K D T R S N A S L K A E Y V E I H N N T K S K F Q L K G Y K L K D
UniRef90_D6Y5U4 N L N D E Y I V I E N L G N T P I D L T G W
UniRef90_UPI00036E2758 S P V V I N E V D P V G D W V E I A N T D D N N V D V S G W T I I D
UniRef90_X1NRB6 T S Q V E I G A L D F K G E Y I D I V N R G G L A I D L T S W K L
UniRef90_I7IWD6 H A N A A G D E Y E N L N D E Y L V F T N P G N D T L D L T G S
UniRef90_F9TQ28 E S E V V D L N N T T N R A I T L T G W R L V N
UniRef90_M0N2C5 A S L N G E W V Q L H N R S K T A R S L T G W K L R D
UniRef90_E1IAB9 S P G S D T R S N T S L N A E Y V Q I R N T T G A A V Q L K G Y T V R D
UniRef90_UPI0003A25218 V E I V S K D L V T E I V G I K N N G Q Q A V S L N D W Q L I S
UniRef90_D7CFL1 W A R A A G N V A I V E I H P D D E Y I V I E N R E N I S L D L T G W
UniRef90_B1HVJ1 V E I L S L D F K G E S I T L R N R G D M T A D I S G W H I Q
UniRef90_X1L719 E Y V E F T N E G S A P F D M T D Y
UniRef90_U0FZW2 I A H A D L E A E T V T I R N P S V R G A N L A G Y T L
UniRef90_U3AEN0 H Y D A S G N D N Y L N D E Y V T F K N K C S Y S I D M T D W T V K
UniRef90_D8LHR1 V V I S E V E S D G D W V E L A N T G A D A V D V S G W A M K
UniRef90_X0XIJ6 V V I S E V E S D G D W V E L A N T G A D A V D V S G W A M K
UniRef90_A0A022L035 E Y I R V K N T S D L N L T G Y T I R
UniRef90_A0A022L035 S P V I I N E V D A V G D W I E L V N T G G V A V D I S G W S F
UniRef90_UPI00030AE68E E Y I Q V K N T G K T T L T L T G Y V I R
UniRef90_Q8FNA8 I S I K S H P D F I V L K N N S R H T C L D D F L F S R
UniRef90_UPI00026CECA S L N G E Y V Q I R N T G R S A V N L S G W T V R D
UniRef90_G4S1A4 Q Y D S P G S D T G S N A S L N A E Y V V L K N V G S R A V S L R G W
UniRef90_UPI00037E1A8B E Y V R L G N A G T V N L N G W
UniRef90_UPI00037443E7 K G S V V I D S V D L E T E S V L L K H R G D G E L S L S G W R L E N
UniRef90_R4LY16
UniRef90_X1FVP5

UniRef90_MOM0S0
UniRef90_L0EJW7
UniRef90_B8GEN5
UniRef90_B3XXI7
UniRef90_R4YYI5
UniRef90_A8WU7D5
UniRef90_M0E7D0
UniRef90_Q8MYK6
UniRef90_M0KQH6
UniRef90_B8GXK7
UniRef90_X1NJV7
UniRef90_G7PNN6
UniRef90_P22488
UniRef90_UPI00036DC838
UniRef90_E4NMB9
UniRef90_Q06268
UniRef90_M0D0M5
UniRef90_U1Q2F3
UniRef90_E7QV58
UniRef90_UPI000329854C
UniRef90_M0FCE3
UniRef90_M0MU67
UniRef90_M0CUX1
UniRef90_U1PQ55
UniRef90_U5Y60
UniRef90_M0HIF1
UniRef90_M0MCK5
UniRef90_R5AJ10
UniRef90_A4QG56
UniRef90_M1UZW2
UniRef90_J2ZWC1
UniRef90_W7VIT1
UniRef90_M0L749
UniRef90_M0E8D3
UniRef90_H1Z285
UniRef90_W0K2B3
UniRef90_F4F1W7
UniRef90_G8SAC9
UniRef90_M0DT50
UniRef90_M0I244
UniRef90_X0SKR5
UniRef90_X0TXE3
UniRef90_UPI000470C736
UniRef90_V4XXG0
UniRef90_E8WEB1
UniRef90_G7WQ47
UniRef90_A0A024NGZ9
UniRef90_I0HD30
UniRef90_A0A022KTF9
UniRef90_X1M4G0
UniRef90_UPI0003606505
UniRef90_X1SBX0
UniRef90_R4LUB3
UniRef90_K9WGB0
UniRef90_M0MFY3
UniRef90_F2UP87
UniRef90_X1LWK6
UniRef90_H1A8K7
UniRef90_J9GVS2
UniRef90_X1VAE3
UniRef90_X1KFU8
UniRef90_G7Y6Z0
UniRef90_B8GKR4
UniRef90_F4QEH2
UniRef90_B9LQ07
UniRef90_H8MYG3
UniRef90_W4L8A1
UniRef90_D6Y5U4
UniRef90_UPI00036E2758
UniRef90_X1NRB6
UniRef90_I7IWD6
UniRef90_F9TQ28
UniRef90_M0N2C5
UniRef90_E1IAB9
UniRef90_UPI0003A25218
UniRef90_D7CFL1
UniRef90_B1HVJ1
UniRef90_X1L719
UniRef90_U0FZW2
UniRef90_U3AEN0
UniRef90_D8LHR1
UniRef90_X0XIJ6
UniRef90_A0A022L035
UniRef90_A0A022L035
UniRef90_UPI00030AE68E
UniRef90_Q8FNA8
UniRef90_UPI00026CECA
UniRef90_G4S1A4
UniRef90_UPI00037E1A8B
UniRef90_UPI00037443E7
UniRef90_R4LYI6
UniRef90_X1FVP5

T V T D S S G T T Y T F P D G V S L T 60
V K G N Q S F V F P S E Q I I K A P G G A Q V T L Y
S D A G S T H V Y T F F P S E Q I I K A P G G A Q V T L Y
A H G N D S A L E F Y N F P S G T Q I S P G G A L T I I H H
D S A L E F Y N F P S G T Q I S P G G A L T I I H H
T V D G K E A V S G Y C P F P E G V F I A P Q G S E F T I Y S D H P G A R N V Y G K S
T I E D E A G Q R Y T V P E G V F K L A A G A G S E V T I H T G S G T S T T
N D D V I Y T F P P G S N L K A G A G K V T T I R Q
E V D H Q K L H T F T F G I A N L T L A D P N A S V T L Y T G S G T D T D T E
T T K N L K L H T F T F G I A N L T L A D P N A S V T L Y H T F N G T N G T N S S T D
I D E G Y P S F T F P S Y V L L A P G E S I R V Y T N E V H P E W G G F
V V R G L P E R L Y R F P P G T L L A P R H H L T I V W A K G A K D R A T A D N E
T V A G R V A S I Q L P K D Y E I L P N T K Y T I W A K G A K D R A T A D N E
K T G Y T Y R F P T F T L K A G A T V T V H T G R G S A T S T H
V A D A A D N E Y T F P S G D F T L K A G A T V T V H T G R G S A T S T H
T F D S K K A L I H F K E S G D F L E S P N K Q I K V W G S K S G T G T S A N A E G
T V A D E A G A T Y E F P E G T V L A G A G A T V R L L T G G E G D D G M T E
T V S D E A T H E Y E F P E F T L A G A G A T V T L Y T G D G A D T N S E
T V S D D G H T Y R V P S G V T L A G G E T L L Y T G S G S D S A S E
Q R G D R T S T Y T F K E N F T L K A K E E L T L V Y S G G G T D T D T E
T V S D E T T K E Y S F P S G G F T L P S G K Q V T L Y S T G G E T D T D T E
D G S S R E Y T I S S G T V I E A G E T L T L H T G E G T D A G N D
A A G N D Y T F P S G T R L E P G A E L T L R T G T G D D G G G T E
A A G N R Y E F P S G F T L A G G A T V T L R S G T G T D T D T E
W V R D S A L R R Y T F P S G T L L A P G G A V V V H A G S G T D T A T D
T V S D A A G R T Y T F P S G T T L D A S A T I T L H T G T G T D T S T D
V V R D E G S H E Y M V P S G T T L G A G E S V L H H T G T G D D A A N D
M R G G E L F R V P E G T R L R S G E S V S V S G E G K G G
D K E D L E N A L V L P E G T E I E S G G Y F V I Y T D S A D Y V P T N
D K N E N P V V P A G T E I E S G G Y F L I Y P D T A G I S T N N T F
T A G H S Y T I P E G N V L E A G D R I T I Y T G S G T D T D T E
K A G H V Y S F T G D F K V A A G N S I V I H T G K G T N K G T H
T V S D A A G H Q Y T F A N L T L D P N A S V T L Y T G S G T D T D T E
T V S D D T S K Q Y Q F P D E F T L Q P G D Q V T L F S T G I G D A T D T E
L S D S G S E N S Y I F P Q Y T I R A G A S V T I L S T P D M N S T E E N
V V H N D E G R S Y R F P E G T L A P R E Q V T L H S T G D E R N T E H
K A N H V Y K F S G D F K L G K G K S V I R T G K G K N T A S T
W V R D S G L R R Y T F R R R G T V V P A G G H V Y V H V G K G R D T V T D
E T G W E F H L P S E F V L Q A G D A F R L H T G G A G E W T E T D
T V S D D A G H Q Y T F N L T L D P K G S V T L Y T G S G T D T G A E
L S D G Y P S F I F P S Y I L L A P G R S I R I Y S G E T N E Y H H E W G G
D S G T N I Y H F G S Y K F N P G T R I L F S G E T K D R S E D D D W
L S D G Q P S F T F P S Y S L A P C E S I R V T G S G T V T G T D
A V I G H S Y T I P S G V T L A P G E T L T L H T G S G T V T G T D
D D T G Y T Y T F P S F T V L A G A K T V R V T G K G K N S G T H
E N N N T Y L P S E G F V L A P G A A V K V H T G M G N A T E T D
V M K G E A A S R T S F Q R S A K G N V S I Q I V A R G H G I S S P P E Q
W V R D S A Y R R Y T F A K K T R I L P A G G T L T V H V G K G T N T A T D
D D G P Q V F T F P K N Y K L A A G K T V T I R S G K G T N S A T T
Y D D S N Y W K P Y T F P T G F I L D I G A S V T V H T F S G V D T S T D
L S E G Y P S F T F P H Y V L A P G A I R V Y T N E I H P E W G S F S
W V R D S G L R R F T F P A R T V I P P G G T L T V H V L G T G R T T A T D
I N R N Q E F Y F P T G T V L K K G A E C R V Y T N E V H P E S G G
T V D D D Q T Y T I Q G V T L G A G E T V T V H T G E G S D S D S D
T N R D T Q L G T F E F P A V T L A P G R S T R V I R G A G D G A E K L E G D
D S G T S I Y K F R S Y I F E P A S T I Y L Y T G S G K D G E C
D E D G H F V F P D F V L A A G G A V Q I H T T T G Q D T P V K
K R G G E F F R F P D G T Q V L P G E Y I T V S C R G T W E D G E
V Y D E A P H F R Y L F P S F I L K A K E A V T L R Y T C L E K N T Q S E
A D E G Y H F R L F P S Y V L L E P G K S I R V Y T N E I H P E Y G G F S
T L P G A T D H T Y T F P E S Q Q L K P H S E L Q L H L C S S K R R R L P P A K
V N S G I S Q I Y T F P N F T L Q P S A T V I V Y T G T G V N S A T S
T K P D S R I G S F P P E N I P F K G L N I N L F T G K T R P G T T P
E V G K R Y A M P D G V T L A P D E T L T L R T G S G T D T E R E
T V S D G T A V R H T F A S G T T V A A G K A V V V Y G G A S G I P A G T P G A
A M S L G R E Q G T F P E G T V L Q A G E K V R V Y T N E I H E E W G G
K N G F R Y T F K A F T L K R G K T V T L R T G K G K D T A T T
N T G Y T Y T F G S Y N I S A K G T V K V H T G R G T A T P G H
T V L D E A N H R Y L F P D F V L S A K V T V T L R T G L G K N T K S E
D N H D H T P I T F P P G T E I E S G G Y L A V Y T D T H D D G
L A G S P D Q E F E F P E G S V L A P Y G K I R V A T S G T G S G S D D T G
V V H D E A G H E Y A F P E G V T L S P G E A V T L T G S G S D D T G
T S R D G I V Y T F P T Y T M N A G P N F Y I S G V G Q D V I D T R Y A D
K T G Y T Y T F G T Y T L A A G K T V K V R T G S G T D T K A N
N T G Y T F T F P S Y K I S A G K T V T I H T G K G T Q S A G H
L E G N Q V F N F P S N L S L Q P G K I I Y V T S G A N A R E G D N Y
T V S D E A N H R Y L F P S F V L K A K T A V T L R T G V G R N T E S E
A G S P D Q Q Y L F P S H T F L S P F E Y I K I D T S G K T G S G R W D E D D
T V T D A E G W K F H F P D D F T L D A G A S V R L H H T G S G R W D E D D
T D R L Q R H T Y H F P E R F V L R A R T S M T L Y C C P G G A L H N P Q P F
D E H S Y H T Y R F P S F T L Q A Q N S F T L Y T G I G T D T N T K
D D K D D R T W T I P A G T V I E P G A F L V L D E E S S S N P
D D K D D R T W T I P A G T V I E P G A F L V L D E E S S S N P
D S G P W K F T F A K G T K I R G K T L T L R S G I G K T S S T T
V D D D P D H T P Q I P A G T V L Q P G A H I S F Y T G K N T S T T
D N G P Q K Y T F P K G F K I A P G K T V T I R S G T G K N T S T T
I V D G V A T V N V P L P T G V V M Q P K S E F T V Y A Q T S H A R E I Y D K S
E T A R A D H V Y T F G T F T L R A G K T V T L R T G K G R D T S T T
T V R D A Q R H V Y T F G T F T L N S G A S V T L H T G T G T N S S T H
T V R D A A N H V Y R F A T P Y N L L G A G K A V Y V H T G K G T S S G Q H
Q E G G I Y I F P P E L V L F K N G A V Y V H T R T G A N S V V D

70 80
T G S G T D T A T E
T G S G T E E A G T
T G S G Q T T G T D
T G S G Q D T P T D
T G Q G T N T A T D
H T G S G T S T T
T G S G T D T D T E
N G T N S S T D
N E V H P E W G G F
K S G T G T S A N A E G
T G G E G D D G M T E
T G S G S D S A S E
G G G T D T D T E
T G E G T D A G N D
G D D G G G T E
G T G T D T D T E
G S G T D T A T D
T G T G T D T D
T G T G D D A A N D
D Y V P T N
D Y V P T N
T G S G T D T D T E
T G K G T N K G T H
T G S G T D T D T E
T G I G D A T D T E
T G D E R N T E H
T G K G K N T A S T
T G G A G E W T E T D
T G S G T D T G A E
T N E Y H H E W G G
T K D R S E D D D W
T N E Y H P E W G G
T G S G T V T G T D
T G K G K N S G T H
T G M G N A T E T D
H G I S S P P E Q
G K G T N T A T D
G K G T N S A T T
H T F S G V D T S T D
H S R A G G D S A G R F
H P E W G S F S
H V L G T G R T T A T D
T N E V H P E S G G
T G E G S D S D S D
G A G D G A E K L E G D
T G S G K D G E C
T T T G Q D T P V K
C R G T W E D G E
T C L E K N T Q S E
H P E Y G G F S
H L C S S K R R R L P P A K
T G T G V N S A T S
H T G K T R P G T T P
T G S G T D T E R E
G G A S G I P A G T P G A
T N E I H E E W G G
T G K G K D T A T T
T G R G T A T P G H
T G L G K N T K S E
T H D D G
D S E
T G S G S D D T G
G D V I D T R Y A D
T G S G T D T K A N
T G K G T Q S A G H
T S G A N A R E G D N Y
T G V G R N T E S E
T G S G R W D E D D
C C P G G A L H N P Q P F
D E E S S S N P
D E E S S S N P
G I G K T S S T T
T G K N T S T T
H A R E I Y D K S
T G K G R D T S T T
T G T G T N S S T H
T G K G T S S G Q H
T G A N S V V D

UniRef90_MOM0S0 R Y W G R A N V W N D G A D T M T V | 100 R D A S G T V V L Q R S 110
UniRef90_L0EJW7 L D W G A R N I W N N S D S D P A E L Y D T D G Q L V A R
UniRef90_B8GEN5 L F W G L G S S V W N N D G D T A A L K R P S G T V I S T L T R
UniRef90_B3XX17 L Y W G I Q A I W E P G E E V T L V D A A G T P R A T F V V
UniRef90_R4YY15 Q Y F G K T S S I F S G I D G A F L L D P Q R D M R A
UniRef90_A8WU70 C L L H R Y N T F G S G K V T E N T I L D E T G K E T A N Y I L C
UniRef90_M0E7D5 L Y W G S G S P I W N N D G D T V I V S T P N G E R V L E E T
UniRef90_Q8MYK6 W T G D R T H V M T S L H N E R G D D V A S Q T
UniRef90_M0KQH6 R Y W G Q D G A V W N N D G D T V I V R N D S G A T V
UniRef90_B8GKX7 L Y W G L N E V W N N D G D T A S L Y D S A G N I S T F
UniRef90_X1NJV7 S F G Y G S A I W N N K D P D I A A L Y N A Q G Q E V S R K S
UniRef90_G7PNN6 Q I A D I F S L G V G S C T W T I V D E A G N E K A T
UniRef90_P22488 R Y Y N K T W Y L W N N S G D T A Y L K N A S G T I V
UniRef90_UPI00036DC838 V Y W G R N S A V W N N G G D T I T L R D A D G T V V R E R R
UniRef90_E4NMB9 L V I S T V N D W G P N T S S R I V L K D E N S R E K A
UniRef90_Q06268 L H W G R E R N V W N D D G D T V S V Y D E A G D L V V E R S
UniRef90_M0D0M5 L Y W G E S G A V W N N G G D T V T L K H D S G E T V D T Y
UniRef90_U1Q2F3 L H W N A D A A V W N N G G D T V V V R D A T G T V V L R R K
UniRef90_E7QV58
UniRef90_UPI000329854C
UniRef90_M0FCE3 L Y W T G T A I W N N G G D T V S V T D S D G N V V V E H E
UniRef90_M0MU67 L Y W G S G S A I W N N G G D T I T V T N A Q D E Q V
UniRef90_M0CUX1 L Y W G R G S A V W N N G G D T I R L R D D D G A V V L E R
UniRef90_U1PQ55 L Y W G G S P V W N N G G D T V L V F D D T G S Q V V S Y S
UniRef90_U5Y60 K H W R Q T A V F D N P G D G A Y L F D P Q G D L R A W
UniRef90_M0HIF1 Y Y W G S G S A I W N N G G D T I T V V D N T G A V V V E E T
UniRef90_M0MCK5 L Y W D S G S P V W N N D G D T I T V T D Q Q G N E V
UniRef90_R5AJ10 F E W G E K K P W S T K K D D P A L L L D R Y G N V L M R F
UniRef90_A4QG56 N T F G G Q E Y F G L G K D D T V T L R N A E G E V V A T Y S
UniRef90_M1UZW2 G A G H F G L G K D D T V T L R D A E G N E V A T Y S
UniRef90_J2ZWC1 L Y W G Q S T P V W N N G D T V I L R D D T G T I V I E E T
UniRef90_W7VIT1 R Y W G R A A Y V W N N D G D T A Y L R N P S G S L V
UniRef90_M0L749 R Y W G R D G A V W N N D G D T V I V R N A S G E T I
UniRef90_M0E8D3 L Y W G Q S G T V W N G E D T V N V V N A N G I T V I E
UniRef90_H1Z285 L V W Q G D E I W D D S G D C A F L Y D E N G N P A S E F C I
UniRef90_W0K2B3 Y Y W G A G D P W G D Q R D T V T V E T P A G E R V
UniRef90_F4F1W7 R Y W G S G N Y I W N N T G D T A Y L R N A S G
UniRef90_G8SAC9 R Y W T N P D P A R H A L G D G A Y L F D P Q G D L R
UniRef90_M0DT50 L Y W D A G Q P V W N N D G D T V I V L D E N A N E V
UniRef90_M0IZ44 R Y W D R N G A V W N N D G D T V S V R N A S G E T I
UniRef90_X0SKR5 F S F E S Q A I W N N N E P D V A V L Y D S Q G K E V S R K S
UniRef90_X0TXE3 L F W E S P R P V W N N D H D T I Y L R D R E G
UniRef90_UPI000470C736 F S F E S R A I W S N S E P D I A A L Y D S Q G E E V S R K S
UniRef90_V4XXG0 L Y F G S G S P I W N N G G D T I T V T A P D G T V V L E
UniRef90_E8WEB1 V Y W N R G S Y V W N N T G D K A R L I K P S G T L R
UniRef90_G7WQ47 L Y W G R D D L V W D D E E V A T L K N A A G E I V A R Y
UniRef90_A0A024NGZ9 L I F D G E E S F G L G S N V H T L L Y S R N G E E R A T
UniRef90_I0HD30 K Y W T N V D P A N H G Y G D G G Y L F D P Q G D L R A W
UniRef90_A0A022KTF9 L Y W G K A S Y I W N N T G D T A R T F N A A G
UniRef90_X1M4G0 L Y W G R G N H I W N N D H D T A
UniRef90_UPI0003606505 L F W G A E D Q I W S E D G G H V D I T D A D G D E R
UniRef90_X1SBX0 G Y G K A I W N N T D P D T A A L Y D A Q G Q E V S R K S
UniRef90_R4LUB3 M F W G S A P I F P T G D G D G G Y L F D P Q G D L R A W
UniRef90_K9WGB0 F S F G S K R S V W N N S D E G R L Y D A S G N L M S S Y
UniRef90_M0MFY3 I Y A G K R S V L N N D G D T I T L R D S G N T V A Q
UniRef90_F2UP87 V V W T E F P D L A A Q P E L A V Y A F D P D D N E S S T
UniRef90_X1LWK6 F Y W G S S K P I W N N D H D T L Y L R D K E G
UniRef90_H1A8K7 L Y W G S P I W Q S G E S L T L L D P L G T P R L I Y S I
UniRef90_J9GVS2 L L W D E D K V W K K D D S A R L Y D P N
UniRef90_X1VAE3 L F W G S R S P I W N N D G D T I F I R D S Q G Q L V L S H
UniRef90_X1KFU8 G Y G K A I W N N T D P D V A V L Y D S Q G N E V S R R S
UniRef90_G7Y6Z0 L Y L I T D A P I W Q P Y N S L S L L D S D G S V R A
UniRef90_B8GKR4 L Y W G L N G T V W N Q N G D T A T L F D D L G T V I S
UniRef90_F4QEH2 F Y W S R P N I W E S P E G T I V K L L T P T D E V L A
UniRef90_B9LQ07 L Y W G S D S P I W N N A G D T V I V T N T T G D R V L E
UniRef90_H8MYG3 V A A S T G S L V L G N S G D T V T V K N S A G T V V
UniRef90_W4L8A1 F S F G S R T A I W R D Q G D T G T L Y D A E G K E I S S Y S
UniRef90_D6Y5U4 V Y W G R G W Y V W N N D K D T A Y L R D K A G R L V
UniRef90_UPI00036E2758 L Y W N R G S Y V W N N T D D K A R L I K P S G
UniRef90_X1NRB6 I F W G S R R P I W N N D G D T I F L K E A E G
UniRef90_I7IWD6 F S F G S D K P I W N N H G D T A T L L N P H G Q S V S T
UniRef90_F9TQ28 L Y W G A S A P I W N N T G D E V T V T D T S G N A I L S R E
UniRef90_MON2C5 F F W R T E Q L W F P G D Q A A L Y N A S G Q L M A T Y V V
UniRef90_E1IAB9 R Y W G R R A Y V W N N T G D T A Y L L T K S G
UniRef90_UPI0003A25218 V Y W G R G N Y V W N N D K D T V T L R K P S G
UniRef90_D7CFL1 L K W T T K Q I W L N D G D A A Q L R N E K G E L V S E
UniRef90_B1HVJ1 I F W G S R G P I W N N D G D
UniRef90_X1L719 S F G S N Q P V W N N R G D L G T L V N H H G Q T V S S F
UniRef90_U0FZW2 L Y W G L D R P V W N D G D T I T V T D A D G N E V L R R T
UniRef90_U3AEN0 L L W H N Q S D G S N S G E T L V L S D A K G N E V A V L E V
UniRef90_D8LHR1 L Y W G R G S V W N N G D T L Y L R D S E G N
UniRef90_X0XIJ6 T G F D F G L G K A D Q V R L Y L A D G D E V A W
UniRef90_A0A022L035 T G F D F G L G K A D Q V R L Y L A D G D E V A W
UniRef90_A0A022L035 Q Y W G A P S Y I W N N T G D T A R L Y S K G
UniRef90_UPI00030AE68E L D P V N G F G L G G N D S V T L F D A D G N Q V
UniRef90_Q8FNA8 L Y W G K A S Y I W N N T G D T A R L Y S K G
UniRef90_UPI00026CECA C I L H R F Q T F G T K I E D R L D A E G N E A A N Y
UniRef90_G4S1A4 L Y W G R A Y I W N Q T K D T G Y L R N A R G Q L V
UniRef90_UPI00037E1A8B R Y W G S R A Y I W N N S G D T A T L K T A S G
UniRef90_UPI00037443E7 R Y W N R S S V W N D G D T A I L R D A A G
UniRef90_R4LY16 L Y C G S S P I W H S G E E V T L R D A A G N V R S T Y
UniRef90_X1FVP5

UniRef90_F4BVG6
UniRef90_A0A024UB87
UniRef90_M3EJ12
UniRef90_UPI0001C374BB
UniRef90_A0ZLP7
UniRef90_A4F6X1
UniRef90_M3CEX1
UniRef90_M0EQ15
UniRef90_R7ZJH6
UniRef90_UPI00039412EF
UniRef90_UPI000262945A
UniRef90_UPI000469DB42
UniRef90_UPI00037DA765
UniRef90_F4BXX1
UniRef90_A0ZMK0
UniRef90_W7J9B6
UniRef90_UPI00035CB08E
UniRef90_UPI000248D53D
UniRef90_V4YGP8
UniRef90_A9V1B3
UniRef90_UPI0003687EA8
UniRef90_S3C953
UniRef90_Q1CXT2
UniRef90_B8GD74
UniRef90_U5WD14
UniRef90_S9QLS5
UniRef90_V4HJB8
UniRef90_W7TPS6
UniRef90_S9QSY1
UniRef90_X1I227
UniRef90_X0WLZ7
UniRef90_B5HNC4
UniRef90_Q8MYK2
UniRef90_E3MB07
UniRef90_A0A022L3T2
UniRef90_D3Q567
UniRef90_L0K0T0
UniRef90_UPI0004687467
UniRef90_B4V021
UniRef90_D7E9P1
UniRef90_UPI00037B0A91
UniRef90_UPI0003F88630
UniRef90_UPI00016C0329
UniRef90_UPI0004676590
UniRef90_K6ZUY2
UniRef90_M5A3J0
UniRef90_UPI0004797C64
UniRef90_H1XRN7
UniRef90_S44L54
UniRef90_UPI00036EFC57
UniRef90_D7WB08
UniRef90_A2U3F2
UniRef90_UPI00037903E6
UniRef90_W0ZEN2
UniRef90_UPI000380B385
UniRef90_W2EP28
UniRef90_X1LT10
UniRef90_G4LVX4
UniRef90_UPI00036FDE1D
UniRef90_V4H1K7
UniRef90_UPI0003AD72F8
UniRef90_Z9JQL6
UniRef90_F4XWK0
UniRef90_A0A01775N7
UniRef90_K3WUW1
UniRef90_MOMU98
UniRef90_A9WEG9
UniRef90_UPI00038195F2
UniRef90_D9XMT8
UniRef90_U5W5P4
UniRef90_C7NJM6
UniRef90_G2GMB4
UniRef90_UPI0001A62BCC
UniRef90_C1E2Y2
UniRef90_F0WW32
UniRef90_L1L2L7
UniRef90_B3QX14
UniRef90_J3JFF5
UniRef90_I0HA43
UniRef90_T0QYN9
UniRef90_UPI00036DE089
UniRef90_A9UY2
UniRef90_A0A011VTD2
UniRef90_E7QML3
UniRef90_U2SLS0
UniRef90_B5HE19
UniRef90_UPI0003B4038E
UniRef90_G9S4Q4
UniRef90_X1EED8
UniRef90_UPI00037F542D
UniRef90_S5V0H3
UniRef90_A0A023CPQ5

UniRef90_F4BVG6 NRENQSYAF P ANFTL K AGS TARV HSK E G SNS S S D 80
UniRef90_A0A024UB87 L T N D T G S V F H F P K G Y V L Q S G E E V T V W S S D F N S H N L L D P Y
UniRef90_M3EJ12 D E D G H T Y T F P E D G Y R L D G R T T V R I H F D A T G H G R D T D T D
UniRef90_UPI0001C374BB K A D K P Y R F T L P S E G T V I L P A G G R K L I F F D A T A G E T D T
UniRef90_A0ZLP7 G V G R N K A F T F P S Q G T V L A P G G Q S V R V V Y T N E V H P E S G G
UniRef90_A4F6X1 D D S G Q D F T F P P S G T V L A P G G Q R I R V V Y T N E M H P G Y G G
UniRef90_M3CEX1 D N E R H T Y R F G K L R L A A H A S V R V H T G T G R D T A A D
UniRef90_M0EQ15 E V S D G A G N S Y T F D G V T V A P G G A V A L Y T G S G T D T D D T
UniRef90_R7ZJH6 I E G N Q I F N F P N R V T L Q G M G K S I Y V T S G S D A R E G Q N Y
UniRef90_UPI00039412EF E H R G Q P E I V V Q E P N R S P E L G M G A S L T V
UniRef90_UPI000262945A D N G P Q K Y T F P K G V T L K P G K T L T L R S G K G S S S S T T
UniRef90_UPI000469DB42 D A G V G Y W F T F P G T L L A A G G H M S G L Q S G G A L P T G D P G D
UniRef90_UPI00037DA765 N T G Y T Y T F G T Y T L A G A G K T V T V R T G R G T N T A T T
UniRef90_F4BXX1 K V F R S T P T E Y S I P N G T V I G P G E F L V I F V S E S G V Y Q G N E G D
UniRef90_A0ZMK0 T S A G S A K Q V F T F P Q G T V L E G G K N F R V Y T N Q E H S E T S G G
UniRef90_W7J9B6 G A D D A G Q D F T F P P G T V L A P G G Q R I R V Y T N E D H P E S G G
UniRef90_UPI00035CB08E D A Q K H T Y T F G T F T L G S G K S V T V R T G S G K N T A S N
UniRef90_UPI000248D53D A S S G K K V T F T K S F V L E P N S Y V M L S G Q A G Q Y K E Y S Q S
UniRef90_V4YGP8 T V A D E A G R T Y T V P A G I S L E P G E T L T L H T G A G Q T R V P
UniRef90_A9V1B3 L V G H N H S K P F G P L E L Q P G K P V R F W T S P G R K V Q E D A S N
UniRef90_UPI0003687EA8 R V S D A A G H T Y A F P N G T S I A S D A S L T L H T G A G T D D S E R D
UniRef90_S3C953 S A G H T Y T F P S Y R I S A G K T V K V H T G K G Q T R K S A G H
UniRef90_Q1CXT2 S Y A G E D D T R H V F P A G T M I Q P G K S Y V V Y S G A T N A T A S G G
UniRef90_B8GD74 N I S R S D R P T F L F A F I L A P E V D A Y L Y T G S G T N N F A T G D
UniRef90_U5WD14 T V R D A A G H V Y T V R T D Q R I L S A G A K Y V Y L H T G K G T N G R P D S R H
UniRef90_S9QLS5 D A T A V R H V F P A N T V L G A G K A I V V F S G S G G I P G T P N A
UniRef90_V4HJB8 R I A D A A G H E Y R F P E E L T L S P A G A R A A V N T G S G G T A V E
UniRef90_W7TPS6 T S L S E S E I Q F E F P E E L M L S S R A S L K V W W G A R N I S Y K S P T N
UniRef90_S9QSY1 S D A T G T R H T F A S G T S L A A G K A I V V F W A A A G I P S G V T N
UniRef90_X1I227 I S E G R P W F L F P S Y V L T P G K S V R V Y T N E I H P E Y G G F S F
UniRef90_X0WLZ7 I S E G Y P L F T F P S Y L L A P D E S I R V Y T D E Y H P E W G G S F
UniRef90_B5HNC4 E D G D T Y T F D H Y R L E G R A T V R V H T G R G R D T D S D
UniRef90_Q8MYK2 S K G R D F N F S F K S Q V L R A G S S M T I K M K G Q T V N K D D D E D
UniRef90_E3MB07 E F G Q K S V Y V D F L P A S I L A P K E S L K I Y A R S A T H E R G A
UniRef90_A0A022L3T2 N P A G H A E T T P L P A G T I L Q P G G Y F V F T G K G S N G G H
UniRef90_D3Q567 N A G Y K F L P D G T Y T I G A G K N Q L S V H T G K G S N G G H
UniRef90_L0K0T0 G I D V D E D Q T D P I P D G T T I G A G Q L S V W G F E S E R V D S I E A D
UniRef90_UPI0004687467 G V G H A S E T T P L P A G T L L P P G G Y R V F D Q P T D
UniRef90_B4V021 D A S R H A Y T F P T F T L K P G K T V T I K T G R G T N T T T T
UniRef90_D7E9P1 D Y E Q I S Y K L N S F N L K G T G E T V T V H T G K G T N T S S D
UniRef90_UPI00037B0A91 D V A N H T F V F P R G Y V L Q G R T T A I I R T G R N R N T A V T
UniRef90_UPI0003F88630 N S A G S L K Q V F T F P Q G T V L E A G K S F R V Y T N E V H P E T G G
UniRef90_UPI00016C0329 T S A G S E S Y I F K A I N L M P G A T V K I G E C A R N F D V D
UniRef90_UPI0004676590 W R P E Q K I H T Y T F P P T W T L D P G E Y I F L M G K G T N V D D K P Q H
UniRef90_K6ZUY2 T V S D G A S L R H T F P S G S V I E A G C A A V V F G G G T G A L I Q T A S
UniRef90_M5A3J0 R V R D S S T R F Y D F A R S G T T V P G A Y V R L I G R T D N A V H
UniRef90_UPI0004797C64 N K R D L E K F I F Q D Y T L E P Q Q T V M V W S S D T S M Y K E D P S D
UniRef90_H1XRN7 N T T T Y I F P D T S I N G A G K S I V V Y M Y G A D V S N N P G S N
UniRef90_S4AL54 N T G Y T Y T F G S Y R I N G A G K T V K V R T G K G T N R A G T
UniRef90_UPI00036EFC57 D V S N H R Y V F K N I K I G A G K Y L K V H T G K G T D T A A N
UniRef90_D7WB08 D N D K H A P I V I P D G T K I E S G G Y F A L Y T E K Q T P
UniRef90_A2U3F2 T I E D S S V L T H T F P K G T I L P T A G T I V V F G G G T P T N P S L T
UniRef90_UPI00037903E6 D P G D R L W I P P S Y V I P A G G T L E V Y S G A G T D M P D R C
UniRef90_W0ZEN2 S V G H A A E T T P L P S G T T I A P G A L F V F D Q P T N
UniRef90_UPI000380B385 T V R D K Q N H V Y T F T S F V L P G K S V Y V H T G K G T N T T V H
UniRef90_W2EP28 D T R R S D H V Y T F G T F T L G A G K T V T L R T G K G K N S A T T
UniRef90_X1LT10 K K G H E L S F C D F P N C I L L P G G I F R V H S G P A V K T K S A D I D
UniRef90_G4LVX4 K H I Q E K I N E Y T F P A D V R M S P R T V F T L W S N N A K N V H N T K N V
UniRef90_UPI00036FDE1D N N G T G S S Y T F P G S N T A P G S T V A A N S A G F N A I Y G F D A D
UniRef90_V4H1K7 N A G D K G Q D F T F A K D T L I Y P K E I L R I E T H P G S A
UniRef90_UPI0003AD72F8 K A G Y T Y T F G A F T L K G R K S V Y V H T G R G S N N A T H
UniRef90_Z9JQL6 D D Q D D R D W T V P A G T V I A P G A H V L L A G E D
UniRef90_F4XWK0 S T G D A A N P A Y I F P N N T T L Q P G A Y A V I W I G S N N T S D H Q A P D D
UniRef90_A0A01775N7 T V S D S S S T R H T F A A G T T L A P G A A V V V F G A A S G I P A G T P S
UniRef90_K3WUW1 T D G S N M F Q F P R K Y T L L A G D Q V T I W C S P G G V D L G T D
UniRef90_MOMU98 S F E G S G Q N Y T F G E F T L G A G K T V T I R N G S G N N T D S T
UniRef90_A9WEG9 N I S R P E R P T F V F P P F L L S P E V D L Y V F T P G P T N N S V G N
UniRef90_UPI00038195F2 A T G N K F T F T R S H S L Q P G D Y V K L R G G H G T D S D A K N
UniRef90_D9XMT8 D E D G R T Y T F D D Y R L R G R A T V R L H T G V G R D T R T D
UniRef90_U5W5P4 D N S H V Y T F G S V K V K G H E S V W V R T G K G T N T P Y T
UniRef90_C7NJM6 D A T G F R Y T L P T T T I P A K G T V R I H T G K G T N T N A T P G H
UniRef90_G2GMB4 K A G N R F R F T A D H Y L Q P G S V K L H T G R G N G T D S D A R N
UniRef90_UPI0001A62BCC E G S D Y V K L Y T F H K S Q I M Q P H S E L Q V F S S A K N V R H D V T A V
UniRef90_C1E2Y2 N K G A G D A D T F T F A A G T K I A S K G F L L L C Q K D A P T A A
UniRef90_F0WW32 T D G R Q T F R F P R K Y T L A S G D E V T W C A P G W I A L D T D P Y
UniRef90_L1L2L7 D P E N H K Y T F L N V K I L A K Q T V K V T R G S G K D T T A T K
UniRef90_B3QX14 T S S N N H T I D A A N G L T I V P A G G F L V L G K S D S D
UniRef90_J3JFF5 N V I Q S R Q F P S G A V V D A G G T L T V A S G A K D V A D
UniRef90_I0HA43 K G G R V Y T F G S V S I P A K G G L Y L H T G K G T N T K T H
UniRef90_T0QYN9 A N E N G S R I F R F P R H Y L I F A G E E T T V W C T P G A T A F N P E P Y
UniRef90_UPI00036DE089 N D D T H T P L T F P A G T T I E S G G Y L A V Y T D T D G G
UniRef90_A9UY2 I I G H H K S R P F G S Q A V V E P H D Q V T I W T A G P K G L E E D A H N
UniRef90_A0A011VTD2 K A T K P F K F K I P N G T K I E P K S Y L V I Y C D S T A G E T N T
UniRef90_E7QML3 T V T D E S G K T Y T F S S L T L S P G Q T V T L H S G S G S D T S S D V
UniRef90_U2SLS0 D A A T V R H V F A S G T T L S P G G V I V V Y G G P R G F P G T P N T
UniRef90_B5HE19 R D G N R Y R F D D Y R L A G R S T V R V H T G M G R D T R T D
UniRef90_UPI0003B4038E V V D G G G A P Y V F P S G T S I P A K G Y
UniRef90_G9S4Q4 K Y R Y A R Q F S V Q F P K G S I L K S G E T A I I C Y K D S T K
UniRef90_X1EED8 I S E G Y P S F T F P S Y L L A P G K S I R V Y T N E C H P
UniRef90_UPI00037F542D D S D D D H A Y T F P A G T T V A A G G F T V L D E A A F G
UniRef90_S5V0H3 S D E D G H T Y T F H H Y R L A D G R A T V R V H T G F G R D S R T D
UniRef90_A0A023CPQ5 I V N G G S S P Y T I P N G T T I P A K G Y

UniRef90_F4BVG6 L Y N S A L F W S E M G D T A T L 100 E D I A G R I T S Q Y R 110
UniRef90_A0A024UB87 L L W T S L D T L S S S P F F V V V L L D A Y L T E V A S L Q V T
UniRef90_M3EJ12 L Y Q D S R R Y V W D N R S D T A T L R N D R G
UniRef90_UPI0001C374BB S I A P F G S N S G E T L T L T D A S G N
UniRef90_A0ZLP7 F S Y G S G V S L W K D S G D E A R L L D A Q G N L V S
UniRef90_A4F6X1 F S Y G I K R P I W N D K G D T A R L K D A N G H V V S K
UniRef90_M3CEX1 V Y Q N R R A Y V W N D R D K A T L R D A A G R T V A T
UniRef90_M0EQ15 V Y W G R G A A V W N N D G D T V F L A D A D G N T V V E Y
UniRef90_R7ZJH6 L K W T T R Q I W L N D G D A A Q L R N A K G E I V S E
UniRef90_UPI00039412EF R Y W G K S S Y I W N N T G D T A R I Y D A K G K R L E T C T I T
UniRef90_UPI000262945A L F F D N S P L F N N G G D N V T L L D P S G
UniRef90_UPI000469DB42 R Y W G R S W Y V W N N T S D K A T L K R S T G T V V
UniRef90_UPI00037DA765 A I M L Y D P T G D L V D E K E
UniRef90_F4BXX1 F S F G S K T A I W N D A G D E A K L F D A E G S N V S T
UniRef90_A0ZMK0 F N H G I K R P I W N D K G D I A K L R D P A G T V S E H
UniRef90_W7J9B6 V Y Q N R R A Y V W N N D K D T A T L R K A N G T K V
UniRef90_UPI00035CB08E L L W T T D P V W N D D K P E T A E L Y D S T G T K V S E Y K
UniRef90_UPI000248D53D
UniRef90_V4YGP8 L V W R N Q N P V L N N D G D G L R L L S A D G E E L A R
UniRef90_A9V1B3 R Y W D A G G P V W N N G G D T V T V R A A D G T L L A R E T
UniRef90_UPI0003687EA8 L Y Q G R K W Y V W N N T K D K A R L Y K P S G
UniRef90_S3C953 L Y F N R G V N T G S S G D T V L L V R P D N T V
UniRef90_Q1CXT2 F Y W R N A A V W R T G D I A H L L D A Q G R V V S A Y Q V
UniRef90_B8GD74 R Y W N S T G Y V W N N G G D T A Y L R T G A G K A I
UniRef90_U5WD14 V A A S T G T S L N N G G D T V T L L T S S A E T V N A Y T
UniRef90_S9QLS5 L Y W G R N S P V W N D A G D T V S V Y D D G G S L V T E Y
UniRef90_V4HJB8 L F W E E S R D I I A Q N D E V L L M D A E G C E M S R M R I V
UniRef90_W7TPS6 A V G A S T A Q L N S N S G D T V T L K N S A G
UniRef90_S9QSY1 R Y G K A I W N N S V P D T A A L F N A E G L K V S Q K S
UniRef90_X1I227 E Y G R A I W N N S E P D V A V L Y N S Q D K E V S R K S
UniRef90_X0WLZ7 L Y M D R H N E V W D N H S D T A T L R N D H
UniRef90_B5HNC4 E W D D M S D I S D D E S E T C L V D T S G T V K T T H
UniRef90_Q8MYK2 V V A E I D L F D T T I H T N T S I R N T N N E V K S W F
UniRef90_E3MB07 F V V A E I D L F D T T I H T N T S I R N T N N E V K S W F
UniRef90_A0A022L3T2 F V V A E I D L F D T T I H T N T S I R N T N N E V K S W F
UniRef90_D3Q567 V Y W G R S W Y V W N N T G D K A R L Y T P S G N
UniRef90_L0K0T0 V V V G D H D W G N A D E P N T L R T P G G E I V A E
UniRef90_UPI0004687467 F V V A E I D L F D T T I H T N T S I R N T N N E V K S W F
UniRef90_B4V021 L Y Q Q R S A Y V W N N D K D T A T L
UniRef90_D7E9P1 I Y L G L S A Y V W N N T G D K V Y L Y N S N G N L V
UniRef90_UPI00037B0A91 L Y W N Q G N Y I W N N T G D T A R F Q T P A G K A M A G R T R V
UniRef90_UPI0003F88630 F S F G S G T A I W N D A G D E A K L F D A A G N N V S T
UniRef90_UPI00016C0329 Y Y W A H S R A V W T A S N N S I Q L D F N E K L I A T F
UniRef90_UPI0004676590 F Y W N K D W F V W N N T G D T A C L Y N S S G N L V
UniRef90_K6ZUY2 T G S V G F N N G G D T I T V T N G I S T F E V V
UniRef90_M5A3J0 K Y W M D H P I F D N D L G E S V Y L F D P D G D I R
UniRef90_UPI0004797C64 I H D V P F R F S N G E Q V I L S S P D
UniRef90_H1XRN7 L V T S T P A G I R S N S D D V I G L K N T N G
UniRef90_S4AL54 V Y W G R G W H V W N N T S D K A R L I K P S G
UniRef90_UPI00036EFC57 T Y Q G R A A Y V W N N T S D T A T L T K S N G
UniRef90_D7WB08 D G S K G Y G L G N D S V R V Y N A A G E L V A E T T
UniRef90_A2U3F2 Q V S S E G S V S L N N G G D T I I I K D A G G T I V T S Y T
UniRef90_UPI00037903E6 Y N G L S V A T L G D G G D S V A L H R A D G E V
UniRef90_W0ZEN2 F V F L G G G D T V T V R N A Q N V T V A E H
UniRef90_UPI000380B385 R Y W G L G W H V W N N T G D A A Y L R S N Y G
UniRef90_W2EP28 R Y W G R A Y I W N Q V K D T A Y L R N T S G T L V
UniRef90_X1LT10 L Y W R G D H V W N Q D D D T A T L S D P T G A T V Y S Y T
UniRef90_G4LVX4 F R C P N V C K W F N G P N Y I T M V S N S H D E V
UniRef90_UPI00036FDE1D Q Y G S I S A L N N G G D V L I L T D G Q N N E V
UniRef90_V4H1K7 L S F E S K A P I W N N Q G D K A E L K D K D G A V I S T
UniRef90_UPI0003AD72F8 R Y W G K K W Y V W N N T G D T A Y L L Y P S G
UniRef90_Z9JQL6
UniRef90_F4XWK0 W L G K A A K L N N A G E D I
UniRef90_A0A01775N7 A V G A S T G T L G A N G G D T V I L R D
UniRef90_K3WUW1 N V L E P Y L F W R P G G S L R V L L D P M M T E V A S L K I
UniRef90_M0MU98 V Y T G L S S V L N N G S P D L V V I A N D E G
UniRef90_A9WEG9 F Y W R D E A V W R T G D I A Q L L D A Q G R L V S A Y Q V
UniRef90_UPI00038195F2 V Y Y R N N C N F W N N P G D T I Y L Y K P S G T H A D T H K Y T
UniRef90_D9XMT8 L Y Q D R R Q Y V W D N H S D T A T L R N D R G
UniRef90_U5W5P4 L F W G S G A Y I W N N T G D K A T L K D A A G K V M
UniRef90_C7NJM6 R Y W G K T S Y V W N N T G D T A T L R N R A G S L V
UniRef90_G2GMB4 V V Y R D N C N F W N N D K D S I Y L I K P S G
UniRef90_UPI0001A62BCC L H L I T P V S V W N P Y S S L I A L Q D S T G S V R A T
UniRef90_C1E2Y2 T E F A F G I G G E D T V T L L N A A G T V V
UniRef90_F0WW32 L F W T T E N P F F T S S S E A L L L D S
UniRef90_L1L2L7 Y Q N R K A Y V W N N T S D T A T L L K A N G
UniRef90_B3QX14 Y E V T S S F S L G N T A D Q I V L E N G S G E V I
UniRef90_J3JFF5
UniRef90_I0HA43 V Y W N S G N Y L W N N T G D T A T L R K P D
UniRef90_T0QYN9 L L W T Q P N F F N Q N A A L H V V L L D P Y L S E V A S L Q I T
UniRef90_UPI00036DE089 F L G L G S N D A V R L F D A T G
UniRef90_A9UY2 I F W K N L S P V L N N S G D G V N L N A K G D I I A S
UniRef90_A0A011VTD2 S I A P F G S G S G E T L T L S D A N G N A
UniRef90_E7QML3 F W G R S T A V W N N G G D T V
UniRef90_U2SLS0 V V A S S G V L G L N N S D I L V S L L T P S G E
UniRef90_B5HE19 L Y Q D R R H S V W D E R S D K A T L L D H R G H T V
UniRef90_UPI0003B4038E F V W E T N N Y F N N S G G D D V T L K A P N G
UniRef90_G9S4Q4
UniRef90_X1EED8 E W G S Q P I W N N S E P D V A V L Y D N Q G K D I
UniRef90_UPI00037F542D F L G L G K A D S A R L F D A R G A V V
UniRef90_S5V0H3 L F Q D R R R S V W D T R S D T A T L R N D D G
UniRef90_A0A023CPQ5 F V W E T S A Y Y N N S G D D V T L K S P D G

UniRef90_UPI0003B52A80 T G S P A L N N G G D I I Y L E N D T G 110
 UniRef90_R4LR57 R Y W G S G N Y I W N N T G D K A T L K N A S G K T V
 UniRef90_UPI0003610585 L Y Q D R R T A V W D K H A D T A T L R D A N
 UniRef90_B0REW9 F D F G L G S A D S V R L L A P D G T V I D E H S

