

1 G P G L A V R V I G E V T P E K I R I V R E A N A | V E E E V E R A G L R P W Q  
 UniRef90\_Q67S57 G P G L G V R V L G E V V T P E K I L R E A D R | F V E E I R K A G L Y D W Q  
 UniRef90\_B9XRJ2 G P G L A V R I I L G E V T P R R C E I L R E A D T | V V E E M K T S G W Y I W Q  
 UniRef90\_A1HSV7 G P G L G V R I I L G E V T P E K I L R E A D A | V H Q E I K I A G L Y R W Q  
 UniRef90\_K1ZMB9 G P G L A I R I I L G E V T P E K I L R E A D A | A I D E I K K A G W Y I W Q  
 UniRef90\_F2NDA5 G P G L A I R I I L G E V T P E K I L R E A D A | V L E E E M K A A G F Y R W Q  
 UniRef90\_E6W361 G P G L A I R I I L G E V T P E K I L R E A D A | F L E E E I K M A D L H I W Q  
 UniRef90\_C8W1J3 G P G L A I R I I L G E V T P E K I L R E A D A | V L D E I K K A G L Y I W Q  
 UniRef90\_W5WXL6 G P G L A I R I I L G E V T P E K I L R E A D A | F I S E I L R E H G L Y M F Q  
 UniRef90\_R7L8C2 G P G L G V R V V G E I T K K Y L D I L R E A D A | L M D E M R S S G L Y L W Q  
 UniRef90\_Q73LZ4 G P G L A I R I I M G E I T P H A L L D V L R E S D A | W R S E L E H A D I K K S Q Q  
 UniRef90\_C1A3W7 G P G L A I R I I V L G E I T P E K I L R E A D A | Y L R E E I R A A G L D V W Q  
 UniRef90\_UP1000422FE6A G P G L A I R I I V L G E I T P E K I L R E A D A | F I T A L H E A G L Y V S Q  
 UniRef90\_UP100047BE6A7 G P G L A I R I I V L G E I T P E K I L R E A D A | L R E E I A N A G L D V W Q  
 UniRef90\_A2C5P2 G P G L A I R I I V L G E I T P E K I L R E A D A | V R E E I R E A G L Y I W Q  
 UniRef90\_Q9KF78 G P G L A I R I I V L G E I T P E K I L R E A D A | L R E E I K K A G L D L W Q  
 UniRef90\_E8X1Z7 G P G L A I R I I V L G E I T P E K I L R E A D A | V V E E I K A A G L Y R W Q  
 UniRef90\_L7VPR3 G P G L A I R I I V L G E I T P E K I L R E A D A | F R D E I E K A G L N I N Q  
 UniRef90\_UP10003814D49 G P G L A I R I I V L G E I T P E K I L R E A D A | V L E E I K A A G L Y I W Q  
 UniRef90\_UP100047E8B43 G P G L A I R I I V L G E I T P E K I L R E A D A | F I R E E L K E S G Y Y V W Q  
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 UniRef90\_15B1M9 G P G L A I R I I V L G E I T P E K I L R E A D A | L I Q E I K Q A G L Y R W Q  
 UniRef90\_K7W5Q4 G P G L A I R I I V L G E I T P E K I L R E A D A | V R Q E I N Q R G L Y V W Q  
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 UniRef90\_U2HYN6 G P G L A I R I I V L G E I T P E K I L R E A D A | Y T R N L K E S G W Y V W Q  
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 UniRef90\_B1H042 G P G L A I R I I V L G E I T P E K I L R E A D A | I L E E I E A S G W H V W Q  
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 UniRef90\_I4A0M1 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
 UniRef90\_W6K8H0 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
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 UniRef90\_E8MZM9 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
 UniRef90\_R7EKS9 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
 UniRef90\_D4YLP1 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
 UniRef90\_B3U4L1 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
 UniRef90\_D1A132 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
 UniRef90\_E3F4A8 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
 UniRef90\_D4YEC5 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
 UniRef90\_B8D0Z5 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
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 UniRef90\_D6YSF8 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
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 UniRef90\_H6LAX9 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
 UniRef90\_A7BUH5 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
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 UniRef90\_UP1000299F68C G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
 UniRef90\_UP10003737CAC G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
 UniRef90\_B3T6M1 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
 UniRef90\_D3IAL4 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
 UniRef90\_X1CY03 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
 UniRef90\_D1CG20 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q  
 UniRef90\_Q2LXX1 G P G L A I R I I V L G E I T P E K I L R E A D S I V F L E E I V V T D E I K K A G G L E I W Q

QUERY UniRef90\_Q67S57 UniRef90\_B9XRJ2 UniRef90\_A1HSV7 UniRef90\_K1ZMB9 UniRef90\_F2NDA5 UniRef90\_E6W361 UniRef90\_C8W1J3 UniRef90\_W5WXL6 UniRef90\_R7L8C2 UniRef90\_Q73LZ4 UniRef90\_C1A3W7 UniRef90\_UP1000422FE6A UniRef90\_UP100047B6E6A7 UniRef90\_A2C5P2 UniRef90\_Q9KF78 UniRef90\_E8X1Z7 UniRef90\_L7VPR3 UniRef90\_UP10003814D49 UniRef90\_UP100047E8B43 UniRef90\_H9UA61 UniRef90\_15B1M9 UniRef90\_K7W5Q4 UniRef90\_C6XH24 UniRef90\_U2HYH6 UniRef90\_Q3B1J3 UniRef90\_C9RPC8 UniRef90\_B1I585 UniRef90\_Q891G7 UniRef90\_R7KDW4 UniRef90\_U5Q802 UniRef90\_UP10004047A0B UniRef90\_Q7UFS3 UniRef90\_J0N455 UniRef90\_G9XB65 UniRef90\_B2RIF9 UniRef90\_B1H042 UniRef90\_A0LK54 UniRef90\_U7UA48 UniRef90\_F8CDI9 UniRef90\_R5FXH4 UniRef90\_A9IMI1 UniRef90\_R6XR40 UniRef90\_C0QYF1 UniRef90\_G5JUB9 UniRef90\_B9L0W3 UniRef90\_I0HYU9 UniRef90\_K8E0Q9 UniRef90\_Q6ASN4 UniRef90\_UP10003B69706 UniRef90\_UP10003B65576 UniRef90\_C7M8M7 UniRef90\_Q1AXU4 UniRef90\_I4A0M1 UniRef90\_W6K8H0 UniRef90\_E4KRA0 UniRef90\_C6BSD8 UniRef90\_UP100036755EB UniRef90\_D6Z3W4 UniRef90\_E8MZM9 UniRef90\_R7EKS9 UniRef90\_D4YLP1 UniRef90\_B3U4L1 UniRef90\_D1AI32 UniRef90\_E3F4A8 UniRef90\_D4YEC5 UniRef90\_B8D0Z5 UniRef90\_W0FHC0 UniRef90\_M1V8N1 UniRef90\_D6YSF8 UniRef90\_G5ZYR3 UniRef90\_O66601 UniRef90\_H6LAX9 UniRef90\_A7BUH5 UniRef90\_R6W5Y4 UniRef90\_D8LX19 UniRef90\_R7GH96 UniRef90\_R6THL7 UniRef90\_UP100047882A1 UniRef90\_C7HVB8 UniRef90\_R6PS73 UniRef90\_W1U0A01 UniRef90\_M1LUC1 UniRef90\_F4LX51 UniRef90\_F7YVU3 UniRef90\_UP1000299F68C UniRef90\_UP10003737CAC UniRef90\_B3T6M1 UniRef90\_D3IAL4 UniRef90\_X1CY03 UniRef90\_D1CG20 UniRef90\_Q2LXX1

	50	60	70	80
A F A V L L G V K T V G V Q G D I R A Y K E T I A V R I V E S D G M T A N A M				
A F T V L L P D V R S V G V M G D E R T Y A Y P V V L R A V T S E D A M T A D F Y				
S F A V L L P V K S V G V M G D E R T Y D Y T I A L R A V E S Q D G M T A D W V				
S F A V L L P A M K S V G V M G D E R T Y A Y T V G L R V V S S E D G M T A D W V				
A L V V L L P V K S V G V M G D E R T Y E N V A A L R C V D S V D G M T A D F V				
A F A V L L P I K T V G V M G D E R T Y E N V I A L R V V D S T D A M T A D W S				
A F V V L L P V N T V G V M G D E R T Y E N A C A L R A V T S V D G M T A D W A				
A F A V L L P Q M K S V G V M G D E R T Y A Y T A V L R A V T Q S N D G M T A D W V				
A F C V L L P V K T V G V Q N D Q R T Y E Y V L S L R A V S S S D G M T A D W Y				
A F A V F L P V K T V G V M G D E R T Y D N V I A L R V V E S Q D A M T A D W A				
Y F A V L T S T K T V G V M G D F R T Y D Y T L A L R A V K T S D F M S A D W V				
A F A V F L P V K S V G V M G D G R T Y E N V V A L R A V T S T D G M T A D W Y				
Y F T V L T G V R S V G V M G D E R T Y A H T I A V R A V A S Q D G M T A D W A				
A H V V L L P V K T V G V M G D N R T Y E Y V A A L R C V N T S D F M T A T A T				
A F A V L L P V R S V G V M G D Q R T Y A W P V I V L R C V S S E D G M T A D W S				
Y F T A L P N M R S V G V M G D A R T Y D Y T V G R A V T S S D G M T S D W A				
S F A V L L P V K S V G V M G D Q R T Y A N T C A I R A V E S E D G M T A D W A				
Y F A V L T S M R S V G V M G D E R T Y D Y T V A L R A V T T T D F M T A D W A				
S F A V L L P V K S V G V M G D E R T Y E S C I A I R S V E S L D G M T A D F S				
A F A V L L P I K T V G V M G D E R T Y A Y T V V L R A V T S S D G M T A D W A				
A F A V L L P V K T V G V M G D Y R T Y E N V I A L R A V T S S D G M T A D W A				
S F T V L L P V K S V G V M G D K R T F A N C V A I R A V T T S N D A M T A D W A				
A F A V L L P V R S V G V M G D K R T Y A Y P V I V L R I V T S E D G M T A D W A				
A F T V L L P V Q T V G V M G D E R T Y E H V C S L R A V T T S I D G M T A D F Y				
A G T I F L P V Q S V G V M G D E R T Y E H V C S L R A V T V G S D G M T A D W I				
A F S V L L P V Q S V G V M G D K R T Y E N V L A L R A V E S T D G M T A D W A				
Y F A I I L T D T R T V G V M G D R R T Y A Y T V A V R A V E S S Q D G M T A D W A				
S F A V L L P P I R S V G V M G D E R T Y G Y T I V I R A V E S V D A M T A D W V				
Y F A V L L T N M R S V G V M G D F R T Y D Y I L A L R A V N T S S D G M T S D W A				
Y F A V L L C P N I R S V G V M G D E R T Y S H T I G L R A V N T S D F M T A E Y C				
A A T I I L L P V K S V G V M G D E R T Y E Y T I A L R A V T S T D G M T A D W V				
A G A I I L N A H S V V G V M G D E R T Y E Q V V A L R A V T S Q D G M T A D W V				
A F A V L L P V Q S V G V M G D E R T Y S H T I G L R A V C V N T S D D F M T A D W S				
Y F A V L T G M Q S V G V M G D G R T Y D F T V A L R G V T T T D D F M T A D W A				
A F A I I L P D I K T V G V M G D E R T Y N Y A L G L R A V T S T D G M T A E F Y				
A G A I I L P V R S V G V M G D E R T Y E Y T V A L R A V T S M D A M S A D W V				
S F A V L L P V K T V G V M G D A R T Y E Y V I A I R A V T S E D A M T A D W V				
A F A V L L T N N R S V G V M G D F R T Y D Y T L A L R A V V Q T T D D F M T A D W Y				
A F A V L L P V Q S V G V M G D E R T Y E S T C V L R A V T S V D G M T A D W A				
Y F A V L T N M K S V G V M G D M R T Y D Y T L A L R A V T S V D A M T A D W F				
A F A V L L P V Q T V G V M G D S R T Y E F V C A L R A V T S V D G M T A D F Y				
Y F A V L T G V K T V G V M G D Y R T Y D Y L V A L R A V N T S D F M T A Q Y T				
S F A I I L P V K S V G V M G D G R T Y E Q V C A V R A V E S V D A M T A D W A				
Y F T V N T G V R S V G V M G D G R T Y D Y T I A I R A I T S L D G M T A D F A				
A F A V L L P V H S T G V M G D Q R T Y A R V I A I R A V T S T D A M T A D W A				
V F A V L L P V R S V G V M G D G R T Y A N A L A L R A V V T T D D F M T A E W A				
Y F A V L L P D M R S V G V M G D G R T Y A Y A V V R A V V Y S H D G M T A D W A				
A F V A V L L P V R S V G V M G D A R T Y E N V V A V L R C V N T S D F M T A E W T				
A L V V L L P V R S V G V M G D A R T Y E N V V A V L R A V T S S D A M T A D W A				
S F C V L L P V R T V G V M G D E R T Y E N V V A V L R V V T S E D A M T A Q W A				
A G A I I L P I N S V G V M G D E R T Y E R V V A V L R A V E S S D G M T A D W V				
S F A V L L P A V H S V G V M G D A R T Y A Y P V I V L R A V T S D D A M T A D W A				
A F V V L L P V K S V G V M G D E R T Y E Y T A V V R A V T S D D A M T A T W S				
A F A V L L P V Q T V G V M G D A R T Y D Y A C A L R A V T S T D G M T A D F F				
Y F T V L L P N V K S V G V M G D E R T Y D H M V G I R A I T S I D G M T G E F A				
G F A V L L P L K T V G V M G D D R T Y E H V I A I R I V D S I D A M T A D W S				
A F A V L L P V K S V G V M G D A R A Y E W V V S L R A V E T T D F M T A S W A				
A F A V F L P V R S V G V M G D G R T Y E N V V A V L R A V E T T E D F M T A D W A				
A F A V L L P V R S V G V M G D S R T Y Q E V V A V L R A V V T T G D F M T C E Y A				
Y F A V M T D T R S V G V M G D F R T Y D N V I A I R A V R T G D F M T C E Y A				
C P V V L L D V R S V G V Q G D G R T Y G H P I V L R P V S S E D A M T A D W T				
A F A V L L P I R T V G V M G D Q R T Y E Y V I A I R A V T S L D G M T A D W A				
A F V A L L P V K S V G V M G D Q R T Y E Y T A V V R S V N T T D F M T A T W S				
A F V A L L P V R T V G V M G D G R T Y D F A C A L R A V T S V D G M T A D Y Y				
Y F T V L L P G F K S V G V M G D E R T Y E Y T I G L R A V T S L D G M T S E W A				
S F A V L L P D L K S V G V M G D T R T Y G Y P I I R A V T S D D A M T A D W A				
Y F A V L L T N A H S V G V M G D A R T Y G Y V V A L R A V E T T D D F M T A E F S				
A F A V L L S S K A V G V M G D F R T Y E E V I A I R A V A T S D Y M T A D W Y				
A F A V L L P V S T V G V M G D K R T I G Q V I A I R A V S S I D G M T A D F F				
A F A V L L P V K T V G V M G D A R S Y E Y V C A L R A V T S T D G M T A E S Y				
A F A V L L P V K S V G V M G D V R T Y E K V V A L R A V E S V D G M T A D W A				
Y F A V L L T G I R T V G V M G D E R T Y H T L G L R A V S S V D G M T A D W S				
A F A V F L P V K S V G V M G D A R H Y D Y V V A V L R A V E T T V D F M T A R W A				
Y F A V L L T D M R S V G V M G D Y R T Y D Y T V A V L R A V V N T T G D F M T A D W S				
A L V V L L P V R S V G V M G D G R T Y E Q T A A I R C V Q T T D Y M T A D W Y				
Y F T A L T N M K S V G V M G D G R T Y N Y A I A I R A V T S I D G M T A D W T				
Y F A V L L P N I K S V G V M G D E R T Y A H T I G I R S V T T D F M T A D W T				
Y F T V F T P L R T V G V K G D E R S Y D Y V V V R A V S S K D A M T V E A F				
Y F A V L V T D L R S V G V M G D G R T Y D R V L A L R A V K T T D D F M T A E W V				
Y F A V L L T S N R S V G V M G D S R T Y A Y T L A L R G V T T D D F M T A E W A				
A F A V F L P K S V G V M G D H R T Y E Y V I V L R A V N T L D F M T A N W S				
A F A I L P N I Q S V G V S A D R R T Y T H T I A I R A I V S E D G M T G E W A				
A F C V L L P V R S V G V R G D K R A Y D Y V L A L R A V D S T E G M T A D W S				
A F A V F L P V K S V G V M G D A R K Y D W V I S L R C V E T I D F M T A R W S S				
A F A V F L P V K S V G V M G D G R R Y D Y V V A L R A V T S T D F M T A K W S				
A F C V L L P V Q T V G V M G D A R T Y D Y V L T L R A V T S T D G M T A D S Y				
A G T V L L T V R S V G V M G D E R T Y E H P V A V I R A V T S T D A M T A D W A				
A F A V L L P V R S V G V M G D K R T Y Q R V V V I R L V Q S S D G M T A N W F				
A F A V L L P I R T V G V M G D A R T Y G Y L V A V I R A V T S E D A M T A H W A				
S F V V L L P L K S V G I M G D Q R T Y E H I A A I R A V T S D D A M T A D W A				

QUERY	90	100	110
UniRef90_Q67S57	P W E V L Q R I A F R T S E P E V G R V L Y D T N K P P A T E F E		
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UniRef90_A1HSV7	K P Y D L L E K L S S R I I N E E V K G V N R V V Y D I T S S K P P S T E W E		
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UniRef90_F2NDA5	R P Y D L L A R I L A N R I I N E E V K H V N R V V Y D I S S S K P P S T E W E		
UniRef90_E6W361	H P Y E V L D V I S S R I V N E E L K E I V N R V V Y D I T S S K P P G T E W E		
UniRef90_C8W1J3	R P Y E V L E S I S S R I V N E E L K E I V N R V V Y D I T S S K P P G T E W E		
UniRef90_W5WXL6	P F E F E F L R K V S N M T N Q V Q G V N R V V Y D I T S S K P P G T E W E		
UniRef90_R7L8C2	H P H D L L G K I S S R I T N E V K G V N R V V L D I T S S K P P A T E W E		
UniRef90_Q73LZ4	R P Y E V L D K V S S R I I N E E V K G I V N R I V Y D I T S S K P P A T E W E		
UniRef90_C1A3W7	P F Y E V L G R I S S R I I N E E V D G V N R V V Y D I T S S K P P A T E W E		
UniRef90_UP1000422FE6A	R I P Y D V L E K I S L R I V N E V P E V N R V V Y D I T S S K P P A T E W E		
UniRef90_UP100047B6E6A7	H L P W D F L D G V V N K I V N E E V K N V N R I V Y D I T S S K P P G T E W E		
UniRef90_A2C5P2	R L P D E L L E R I I S N R I V N E E V R G V N R V V L D I T S S K P P A T E W E		
UniRef90_Q9KF78	R I P W D V L E I I S T R I V N E E V K H V N R V V Y D I T S S K P P G T E W E		
UniRef90_E8X1Z7	P L P Y E V L R K I I S S R I V S E E V R G I V N R V V Y D I T S S K P P G T E W E		
UniRef90_L7VPR3	K I P Y S V L E R R V S S R I V N E E V K S V V N R V V Y D I T T K P P A T E W E		
UniRef90_UP10003814D49	H L P H E L L A R F S S R I I N E E V Q G V V N R V V Y D I T S S K P P G T E W E		
UniRef90_UP100047E8B43	R L P W E L L D S I S V A K R I V N E E V K G V V N R V V Y D I T S S K P P A T E W E		
UniRef90_H9UA61	K L P H E F L H N V A K R I V N E E V K G V V N R V V Y D I T S S K P P A T E W E		
UniRef90_15B1M9	K L P H D L L G K I S S R I I N E E V D K V V N R V V F D I T S S K P P G T E W E		
UniRef90_K7W5Q4	R L P Y D L L E A I I S T R I V N E E V K G V V N R V V Y D I T S S K P P G T E W E		
UniRef90_C6XHZ4	H H D M N F L S Q V A I R V I V N E E V K G I V N R V V Y D I T S S K P P A T E W E		
UniRef90_U2HYN6	H L P Y E L L A K I S N E I I N H V K G I V N R V V Y D I T S S K P P A T E W E		
UniRef90_Q3B1J3	H L P H D F L A K V S S R I I N E E V R G I V N R V V A Y D I S S S K P P A T E W E		
UniRef90_C9RPC8	R L P Y D L L E K I I A S R I V R E E V P G V V N R V V Y D I T S S K P P A T E W E		
UniRef90_B1I585	R L P Y E V L E T M S R I V N E E V K G I V N R V V Y D I T S S K P P G T E W E		
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UniRef90_Q7UFS3	H L P Y E L L A R I I S T R I I N E E V K G V V N R V V C Y D I S S S K P P A T E W E		
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UniRef90_B2RIF9	H L P Y D F L A K V S S N E I I N E E V K R G V V N R V V Y D I S S S K P P S T E W E		
UniRef90_B1H042	K L P Y E L L S K I I S S R I I N E E V K G T V N R V V Y D I S S D K P P A T E W E		
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UniRef90_R5FXH4	R M P Y D V L E K I I S V R I V N E E C K H I V N R V V Y D I T S S K P P A T E W E		
UniRef90_A9IMI1	P Y D M A F L S K T A S R I I N E E V R G I V N R V V Y D I T S S K P P G T E W E		
UniRef90_R6XR40	P I P H R L L A K I I S S R I V N E E V K G I V N R V V C Y D I T S S K P P S T E W E		
UniRef90_C0QYF1	K I D Y N V L G I I S S R I I N E E V K G I V N R V V Y D I S S S K P P A T E W E		
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UniRef90_B9L0W3	R L P H D L L A R I L A N R I V N E E V P G V V N R V V Y D I T S S K P P A T E W E		
UniRef90_I0HYU9	R L P Y E L L A R V S S R I V N E E V P G V V N R V V Y D I S S S K P P A T E W E		
UniRef90_K8E0Q9	R I P H E V L A N I I S T R I V N E E V A E V V N R V V Y D I T S S K P P G T E W E		
UniRef90_Q6ASN4	E L P Y N F L R K V S S R I I N E E V Q G I V N R V V Y D I S S S K P P S T E W E		
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UniRef90_UP10003B65576	K L P F E L L E R I I S S R I I N E E V N G I V N R V V Y D I S S S K P P S T E W E		
UniRef90_C7M8M7	D L P Y K F L Q K V S S N D I I N K V K G V V N R V V Y D I S S S K P P A T E W E		
UniRef90_Q1AXU4	R L P Y D L L E R I I S S R I I N E E V P G V V N R V V A L D I S S S K P P G T E W E		
UniRef90_I4A0M1	R L P Y E L L E E K V S S R I I N E E V K G I V N R V V A Y D I S S S K P P A T E W E		
UniRef90_W6K8H0	H F D M E F L A R V S S R I I N E E V K G I V N R V T Y D V T S S K P P G T E W E		
UniRef90_E4KRA0	Q L P W D V L Q E I I S T R I V N E E V A H V V N R I V Y D I T G K P P A T E W E		
UniRef90_C6BSD8	R I P N D I L A R M S S R I I N E E V N G I V N R V V Y D I S S S K P P A T E W E		
UniRef90_UP100036755EB	H L P Y D F L G K V S S R I I N E E L R G I V N R V V Y D I S S G K P P A T E W E		
UniRef90_D6Z3W4	P L P Y D L L A R I I S T R I I N E E V R G I V N R V V Y D I S S S K P P S T E W E		
UniRef90_E8MZM9	R I P H E L L S K I I A S R I V N E E V P G V V N R V V Y D I T S S K P P A T E W E		
UniRef90_R7EKS9	K L P Y P D L L S R M S S R I T N E E V K G V V N R V V Y D I T A K P P A T E W E		
UniRef90_D4YLP1	H V P D V L S T I S V R I T N E E V D E I V N V L D I T S S K P P G T E W E		
UniRef90_B3U4L1	K I P N E V L G K M S S R I I N E E V K G I V N R V V Y D I S S S K P P S T E W E		
UniRef90_D1A132	K L P Y E F L E N I I S N K I I N K V N G I V N R V V Y D I S S S K P P A T E W E		
UniRef90_E3F4A8	P Y T H E F L G E T A T R I I N E E V P G I V N R V T Y D I T S S K P P G T E W E		
UniRef90_D4YEC5	R I P Y D V L D T I S K R I V N E E C A H V N R V V L D I T S S K P P A T E W E		
UniRef90_B8D0Z5	R L P Y E L L E K I I S T R I V N E E V D S V I V N R V V Y D I T S S K P P A T E W E		
UniRef90_W0FHC0	R L P Y E V L E E K I A S S R I T N E E V R G I V S R V V Y D I S S S K P P S T E W E		
UniRef90_M1V8N1	P L P F E V L R R I I S L R I V N E E V S G V V N R I V V Y D I T S S K P P G T E W E		
UniRef90_D6YSF8	P L P M E L L S K I I S T R I I N E E V P E V V N R V V Y D I T S S K P P G T E W E		
UniRef90_G5ZYR3	P F E H A F L N R V A T R L V N E E V K G V V N R V V Y D I T S S K P P G T E W E		
UniRef90_O66601	R L P Y D F L D R V V M R R I I N E E V E G V V N R V V Y D I S S S K P P S T E W E		
UniRef90_H6LAX9	R L P L A K I I S N R I V N E E V E Q V I V N R I V Y D I T S S K P P A T E W E		
UniRef90_A7BUH5	Q L P Y E L L E T I L S H R I V N D V T V G I V S R V T Y D I S S G K P P A T E W E		
UniRef90_R6W5Y4	R I P F E V L D A T S R R I V N D V K G V I V N R I V Y D I T S S K P P A T E W E		
UniRef90_D8LX19	R F P Y D L L A R I I S N R I V N E E V K G I V N R V V Y D I V S S K P P A T E W E		
UniRef90_R7GH96	R I P Y D V L D K I I S R R I V N E E V A G V I V N R V L L D C Y D I T S S K P P A T E F E		
UniRef90_R6THL7	R I P Y D V L D R V V S V R I V N E E V P H I V N R I V Y D I T S S K P P A T E W E		
UniRef90_UP100047882A1	R I P F E V L E R M S R R I V N E E V E G V V N R I V Y D I T S S K P P S T V E W E		
UniRef90_C7HVB8	D M P Y E E L Q Q T L S S N R M I V N E E V K G V V G R I V Y D I T S S K P P G T I E W E		
UniRef90_R6PS73	R I P Y E E L L D R I I S T R I V N E E V R G I V N R I V Y D I T S S K P P A T V E W E		
UniRef90_W1UA01	R I P Y E E L L D I V S S N R I V N E E V E 1 G I V S R V V Y D I T G K P P A T I E W E		
UniRef90_M1LUC1	K L P D D L L S K I I S S R I V N E E I P G V V N R V V Y D I S N K P P A T I E W E		
UniRef90_F4LX51	R L P H D L L D S I I S T R I T S E V E G G V V N R V V Y D I T P K P P S T I E W E		
UniRef90_F7YVU3	K I P Y E V L D L A A R R I L N S I V V K G I G R V V V Y D I S S G K P P A T I E W E		
UniRef90_UP1000299F68C	H L P Y E E L L G H V S S N R I V N E E V D G V V N R V V Y D I V S S G K P P A T I E W E		
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UniRef90_D3IAL4	H L P Y E F L A K V S S N R I V N E E V K G V V N R V V Y D I S S K P P A T I E W E		
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UniRef90_D1CG20	R I P H E V L D S I I G S R I V N E E V H E V T R V V Y D I T S N K P P G T I E W E		
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QUERY  
UniRef90\_Q67S57  
UniRef90\_B9XRJ2  
UniRef90\_A1HSV7  
UniRef90\_K1ZMB9  
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UniRef90\_E6W361  
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UniRef90\_C1A3W7  
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UniRef90\_A7BUH5  
UniRef90\_R6W5Y4  
UniRef90\_D8LXI9  
UniRef90\_R7GH96  
UniRef90\_R6THL7  
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UniRef90\_D1CG20  
UniRef90\_Q2LXX1

	1	10	20	30	40
UniRef90_B9E8Y0	G P G L G I R V L G E I T E E K L E I V R E S D A I L R E V I A E E G L D I W Q				
UniRef90_S4WBG7	G P G L A V I I G E I T E E R I Q I L Q D A D Q V Y M D I L H E D G L Y I W Q				
UniRef90_F4DJ36	G P G L A I R V L G E V L P E Y L P I L R K A D K F L E E D A Q G L S E I N Q				
UniRef90_F3A4M3	G P G L A I R V L G E V L P E Y L P I L R D S D F L R D V I A K R G L S E I W Q				
UniRef90_M2T6V8	G P G L A I R I P G E V T K E A C D I L R K A D R Y L E E I R K A G L Y I W Q				
UniRef90_F8B622	G P G L A V R I I P G E V T P Q R L A T L R A A D A V R E E I R R A G L D I W Q				
UniRef90_I0AHR5	G P G L A V R I I P G E V T D K D K L D I L R E A D D F I K A I K Q H N L Y I W Q				
UniRef90_D5ML81	G P G L A V R I I I D E I T Q A R L D L L R E A D A V E A E L T R A K L N R W Q				
UniRef90_I7GYZ6	G P G L A I R I M G E V N A A D L E L L K E A D S F I E E L H K W G L Y V W Q				
UniRef90_K9ZYI2	G P G L A I R I I L G D I T R E K I I D I L Q R V D D F I S A L R E F G L Y A W Q				
UniRef90_A0A017TEF5	G P G L A V R I C L G A V S A E K L R V L R E A D A F I E E E L R A A G L Y L W Q				
UniRef90_D0KYE0	G P G L A V R I I I G E I T R E R I L G L R D A D A A R E E E L S R A G L D R W Q				
UniRef90_J0LNZ7	G P G L A I R I I I G E I T K K E Y A D I L R Q A D H Y I E E L R K A G L Y V S Q				
UniRef90_S6CG94	G P G L A V R I I I G E I V T E D K L K V L R S C D S V M E E E I Q N N G L Y R W Q				
UniRef90_UP1000371E803	G P G L A I R I I I G E I V T P E N L A L L R S A D A V V E E E I R R A G L Y V W Q				
UniRef90_UP10004662CDB	G P G L A V R C L A P I T P E N L A L L R S A D A Y R E E E I E K A G L S R F Q				
UniRef90_G9WMJ0	G P G L A V R I I I G E I V T P E K V R M V Q D A D F F I S E E I R K A G L Y I S Q				
UniRef90_F8MU7	G P G L A V R I I I G E I V T E E K V R I A R Q A D H F L D E L R K A G L Q V A Q				
UniRef90_L0DBN1	G P G L A V R C L G T I N A E R L E V L R Q A D S V R D E E L K K A G L E I W Q				
UniRef90_Q0AW22	G P G L A V R V L G V R V L L E E S F E K Y V K T L Q O Q A D A F I D E E L R S A N L Y V S Q				
UniRef90_UP1000472B30C	G P G L A V R I I M G E V N R P S L E L L R K A D V L L E E E I K K S G F Y V W Q				
UniRef90_A8FMV3	G P G L A I R I I I G E I V T K Q K L G I L R Q A D D I V R D E E L F A K A G L N V W Q				
UniRef90_W0JJ97	G P G L A I R I I I G E I V T P E R V R M V Q D A D F L R D E E I F A K A G L N V W Q				
UniRef90_G2KUY2	G P G L A I R I I I G E I V T P E R V R M V Q D A D F V I E E E I L Y K S G H M I G Q				
UniRef90_B8C1B3	G P G L A I R I I I G E I V T A K R L L S I L R E V D A I Y M E E L H A S G E Y I G Q				
UniRef90_C5LT62	G P G L A I R I I I D S V D K E K A D L L R E A D A Y R E E E I A F A G L Q I G Q				
UniRef90_UP100016BFEE9	G P G L A I R I I I G E I V T A E K I R I I V Q D A D A Y M H S G Q E A P W K P D Q				
UniRef90_F7V8K6	G P G L A I R I I I G D I V T A E K V R I I V Q E A D A Y M H S G Q E A P W K P D Q				
UniRef90_E6SV74	G P G L A V R I I I G D I V T P E R V S I L Q N A D D I F I Q G L R D W Y H Q V W Q				
UniRef90_B8FKL2	G P G L A I R V I I G E I V T A K R L L S I L R E V D A I I I E E I I R K N D Y Y R W Q				
UniRef90_XOT399	G P G L A I R V I I G E I L S R G R L L E T L R A A D W V M N E E I K K A D L Y L W Q				
UniRef90_J6F0Q6	G P G L A I R I I I G E I V T R E Q V Q I L Q H A D D Y I E E E I R A A G L Y I S Q				
UniRef90_UP10003B66794	G P G L A I R I I I G E I V T L E E K I K I L Q E A D D H Y I E E E I I K N N L Y I W Q				
UniRef90_H8Z2A4	G P G L A V R I I I G E I V H K D Y A D R I L R L Q E A D D H F I E E E I R R A G L Y V S Q				
UniRef90_C8WP25	G P G L A I R I I I G T V T R E K K L E I L K N A D A V R E E E I D A Y N V R V W Q				
UniRef90_K2BY69	G P G L A V R I I I G E I V K K E Y A D K I L R Y A D A L L D E L H K S G W Y T S Q				
UniRef90_E7FYD7	G P G L A I R I I I G E I V K K E Y A D K I L R Y A D A F I K T L Q Q A N L Y I W Q				
UniRef90_B2TIX3	G P G L A I R I I I G E I V T A E K V K I I V Q D A D A Y R E E E I A N A G I D I G Q				
UniRef90_A0A031GRA8	G P G L A V R I I I G E I V K K D Y A D D L R R A D A F I E E E I R N T P Y E P S Q				
UniRef90_UP1000471B77B	G P G L A I R I I I G E I V T K A K C D L L R E V D A F I E E E I R K K K L Y V S Q				
UniRef90_N2AU69	G P G L A I R I I I G E I V T A E K V K I I V Q D A D A Y R E E E M D A A G M K V G Q				
UniRef90_D1B619	G P G L A V R C L G E I V N R E R L L Q V L R E A D H L Q E E E L L A S G L Y D W Q				
UniRef90_UP10003F96D08	G P G L A I R I I I G E I V T D E K I K V V Q E S D Y L R E E E F K N H G L D I W Q				
UniRef90_I2K079	G P G L A I R I I I G E I V T P Q K V E I A R E A D D V F I T E I K X A G L Y I S Q				
UniRef90_UP100036045DC	G P G L A V R I I I G E I V T K T E F A D L L R R A D A V F I R G L R E W Y D Q T W Q				
UniRef90_G5GDG8	G P G L A V R I I I G E I V T R E K V Q V L Q E A D D I V R N E L S A A G L D I W Q				
UniRef90_D6ZII4	G P G L A I R I I I G E I V T E E R L L R I L R A A D D L I V R N E L S A A G L D I W Q				
UniRef90_S5ZL90	G P G L A I R I I I G E I V T E E R L L R I L R A A D D L I V R N E L S A A G L D I W Q				
UniRef90_I4YHC3	G P G L A I R I I I G E I V T K S Q V Q I V Q H A D S Y M E E E I T N A G L Y I S Q				
UniRef90_K0KFN1	G P G L A I R V I I G E I V T R S Q V E I A R K A D H Y I E E E I K K A G L Y I S Q				
UniRef90_K9SLJ4	G P G L A I R I I I G E I V T P E R L E E M L R D A D L I L R Q E E I N R S G M Y L W Q				
UniRef90_E1QY69	G P G L A I R I I I G E I V T S E K L L D M I L R E A D A V V R E E E L R N S E H S C W Q				
UniRef90_R7JZ74	G P G L A I R I I I G E I V T T G E K V K I I V Q D A D A Y R E E E V D K A A W M P N Q				
UniRef90_E4U892	G P G L A I R I I I G P I V T E E K K L D I L R R A D D L F I S A L K D H G L Y V W Q				
UniRef90_R6U8N3	G P G L A V R I I I G E I V T E D K I K V L Q E A D D V F R D E I I K K S G I E L S Q				
UniRef90_S3MPS7	G P G L A G V R I I I A E E V K K E Y A D I L R I A D D I F M Q E E L R A S G W Y T A Q				
UniRef90_W5XBG5	G P G L A G V R I I I A E E V T R E R R V R M V Q E A D D W F R S E E L R R S R G L H I W Q				
UniRef90_R5BN14	G P S L A I R I I I G D I V T E E K L L N V L R E A D D F I K G L R E Y D C S I W Q				
UniRef90_UP10003F7BD08	G P G L A I R I I I G E I V T A E N L R I L R A A D A A R E E E L T A A G L D I W Q				
UniRef90_E6XOA6	G P G L A I R V M G E V N E E A L R I L R D S D E M Q E E E L R A S G Y Y V W Q				
UniRef90_K6H094	G P G L A G V R I I L G E I N H D K V T I L Q N A D A F I E E E L R K A G L L H V S Q				
UniRef90_A8PQW8	G P G L A I R I I I G P I V T R E Q V K L I L Q H A D K Y V E E E I W K A G V V Y I S Q				
UniRef90_I3VIC9	G P G L A V R I I I G D I V T E E K I R I L T Q A A D R I L D E E L R R A E L Y V W Q				
UniRef90_I7JE9	G P G L A V R I I I G E I V N T E E K K V R I I L Q E V D E Y I N V M R N Y N L Y I S Q				
UniRef90_A5K7F1	G P G L A I R V I I G E I V D K H K L S I L R E V D A Y I N D L K A Y N N L Y I S Q				
UniRef90_UP100047B979C	G P G L A I R I I I G E I V D K H K L S I L R E V D A Y I N D L K A Y N N L Y I S Q				
UniRef90_Q3YT30	G P G L A I R I I I G E I V T Q E K I K M L Q A A D D Y I N L I K K Y N N L Y I W Q				
UniRef90_K2DSS3	G P G L A V R I I I G D I V T E E K K L E I L R K A D D V I Q E E E I K K T D L E K W Q				
UniRef90_UP1000362228C	G P G L A V R I I I G E I V T E E R L L A I L R D M D A I D Q E E I R K S P I Y R W Q				
UniRef90_J0JHM3	G P G L A I R V I V M G E I V T P E R V E I A R A D D H F I D E E L R E A G L Y I A Q				
UniRef90_E0XR90	G P G L A I R V I V M G E I V T Q D R I I D I L Q K A D D K F I D E E L T A E K L Y L S Q				
UniRef90_S2VXX7	G P G L A G V R V V G A L I V T R E R R L D V L R A A D F V R E E E I T N A G L D I W Q				
UniRef90_B8MNJ3	G P G L A I R I I I G E I V T P E R V E I A R K A D H Y I S M I K E A G I Y M S S Q				
UniRef90_Q7VRS2	G P G M A I R I I I G E I V R E E Y C N I L R R V D Y F M E E E I N K S D L Y V D Q				
UniRef90_U3QDH5	G P G L A I R I I I G E I V N E E K K I I Y I L N K A E D L L Q E E L K T Y D I Y V S Q				
UniRef90_B9KH18	G P G L A V R I I M G E I V T A E R V E I L R E I D N Y I D M M R D S G L H I W Q				
UniRef90_J9YVL1	G P G L A I R M P G N I T P E K I K I L K E A D E F I N G L R R H N L Y I W Q				
UniRef90_D0RP17	G P G L A I R I I P G K I V T H T K I K I L K E A D K F I D E E L R D Y Y D Q I W Q				
UniRef90_R6AMH3	G P G L A V R I I L G D I T P E K I V T H T K I K I L K E A D K F I D E E L R D Y Y D Q I W Q				
UniRef90_Q9Y933	G P G L A V R V E G P I V T R E K L R I L V R R A D A V R E E E V E A A G L K L W Q				
UniRef90_H6Q5J2	G P G L A I R I I I G E I V K E E Y C N I L R L A D K F I T E E L K K E N R D W T D I W Q				
UniRef90_Q83ID3	G P G L A I R I I I G E I V T N E K K L S I L R A A D A V R E E E I T N A G L D I W Q				
UniRef90_K6QD57	G P G L A I R M A G P V T A E R L E R I L R A C D R V R E E E I R R A G L R L W Q				
UniRef90_S3D1S5	G P G L A I R V L G E I V T R S Q V E I A R K A D H F I S E E I R R A G L Y I S Q				
UniRef90_A6GKQ5	G P G L A I R V L G E I V T E A R C V A L R E A D A I I E E E I R R A G L Y R W Q				
UniRef90_A8PKI7	G P G L A I R I I L G E I V T H E K V D L I L R K A D D L Y I L E E E I R K Q N Y Y I S Q				
UniRef90_UP100025552DF	G P G L A I R I I L G P I V T K S Q L D I I A R K A D A I Y I L E E E I R E P N L Y I S Q				
UniRef90_F4RUD5	G P G L A I R I I L G P I V T K S Q L D I I A R K A D A I Y I L E E E I R E P N L Y I S Q				
UniRef90_I3SU43	G P G L A V R V L G D V T E N A L D V L R Q V D E F I I Q S E I R K D A G L Y I W Q				
UniRef90_UP1000477AE59	G P G L A V R V L G E V T R E R C V D L I L R Q V D E F I I Q S E I R K D A G L Y I W Q				
UniRef90_X5GXH8	G P G L A I R I I L G E I V T E E K V R I L Q N V D D Y I L S T M R R Y G L Y I W Q				
UniRef90_X1BFX4	G P G L S I R V I G S A D K E K L D I L R E A D E I K Q E I K K N N L Y I V W Q				

	50	60	70	80
UniRef90_B9E8Y0	Y F T V L P D I R S V G V M G D Y R T Y D Y T V G V R A V T S D G M T S D F A			
UniRef90_S4WBG7	A F S V L I P V Q T V G V M G D Q R T Y E N L L G I R A V T S T D G M T A D W Y			
UniRef90_F4DJ36	A F A V F L P V K S V A V K G D C R S Y G Y T I A L R A I E S T D F M T C R W A			
UniRef90_F3A4M3	Y F T C L P D I R S V G V M G D V R T Y D Y T V A V R A I E S T D F M T A S W A			
UniRef90_M2T6V8	A F A V V L L P V R T V G V M G D Y R T Y D R V C G L R A V T S T D G M T A D V Y			
UniRef90_F8B622	V F A V V L L D V R S V G V Q G D E R T Y G H P V V L R A V T S E D A M T A D W A			
UniRef90_I0AHR5	A F A V V L L P V Q S V G V M G D S R T Y E N V L A L R A V T S V D G M T A D W F			
UniRef90_D5ML81	A F A V V L L P I K T V G V M G D E R T Y E H V V A I R A V T S L D G M T A D W A			
UniRef90_I7GYZ6	A F C V L L N V R S V G V M G D N R T Y D N T I C V R A V E A Q D G M T A S F L			
UniRef90_K9ZYI2	A L A V L T P I Q S V G V M G D E R T Y R H L V A L R A V T S V D G M T A E W A			
UniRef90_A0A017TEF5	S F C V L L P V R T V G V M G D E R T Y D E V I A L R A V H S T D G M T A D W A			
UniRef90_D0KYE0	A F V V F L P V K S V G V M G D G R K Y D Y V V A M R A V E T D F M T A R W A			
UniRef90_J0LNZ7	C P V L L D V H S V G V Q G D E R T Y G N P V L R P V S S E D A M T A D W S			
UniRef90_S6CG94	A F A V F L P V R S V G V V G D A R R Y E Y V I S L R A V K T D F M T A S F A			
UniRef90_UP1000371E803	S F A V L T N T R T V G V M G D F R T Y G Y M V A I R A V T S E D A M T A D W A			
UniRef90_UP10004662CDB	A F A V V L L P A R S V G V M G D A R T Y E T A A V R A V V Q S V D G M T A D W A			
UniRef90_G9WMJ0	Y F A A L T N M R S V G V M G D F R T Y D Y A V A L R A V I T D D F M T A E C A			
UniRef90_F8MU7	A Y A A V D P S R A V G V M G D K R V Y G Y I I I L R A V T T D D F M T A E A F			
UniRef90_L0DBN1	A F A V V L L P V Q S V G V M G D G R T Y E N A I A L R S V D T D D F M T A D W S			
UniRef90_Q0AW22	A F A V L P P V R S V G V M G D A R T Y A Y P I I I R A V I S E D A M T A E V A			
UniRef90_UP1000472B30C	A F A V V H L P I K S V G V T Q D G Q R R Y E Y V I A L R A V E T D F M T A R R A			
UniRef90_A8FMV3	A F C V L L N I K S V G V M G D N R T Y D N A V C I R V V D A S D G M T A T F S			
UniRef90_W0JJ97	A F G V L L D L K S V G V M G D K R T Y D Y T I V V R V V E S L D G M T A N W T			
UniRef90_G2KUY2	Y F T A L P G I K S V G V M G D E R T Y D E A V N I R A V T S V D G M T A E F A			
UniRef90_B8C1B3	A F V V L L P V K S V G V M G D G R T Y E Q V A C I R C V E T T D Y M T A D F Y			
UniRef90_C5LT62	A F A V V L L P V R S V G V M G D Q R T Y E R T L V L R A V Q T T D F M T A D W Y			
UniRef90_UP100016BFEE9	Y F A A L T N M K S V G V M G D S R T Y D Y A V V L R A V E T S D F M T A K S V			
UniRef90_F7V8K6	Y F A A L T N M R S V G V M G D E R T Y D Y A V A L R A V R T V D F M T A E S			
UniRef90_E6SV74	A G V I L L P V Q S V G V M G D E R T Y E R A V A L R A V T S T D A M T A D W A			
UniRef90_B8FKL2	S F G V L L P I K S V G V M G D Q R T Y E N I I A I R A V T S T D A M T A D W A			
UniRef90_X0T399	V F A I L L T D S R S V G V M G D A R T Y G H V V C I R A V T A E D A M T A D W A			
UniRef90_J6F0Q6	A F A A L L P V R A V G V Q G D A R T Y D Q V I A L R A V S T E D F M T A D W F			
UniRef90_UP10003B66794	A Y A A L L P I K T V G V M G D S R T Y E N I C I R A V T S S D G M T A D Y Y			
UniRef90_H8Z2A4	A F A V F L P V R S V G V V G D N R Q Y A H V I A L R A V E T D F M T A R W A			
UniRef90_C8WP25	Y F A V L P D V K S V G V M G D E R T Y A Y P I I L R A V E S S D A M T A D W A			
UniRef90_K2BY69	A F A V F L P V K S V G V V L G D A R H Y D H V A I R V E T D F M T A Q I A			
UniRef90_E7FYD7	A F C V L L N V R S V G V M G D R R T Y E N T L A L R A V Q A S D G M S A Q C V			
UniRef90_B2TIX3	Y F A A L T N M R S V G V M G D E R T Y D Y A I A L R A V T T S D F M T A E S A			
UniRef90_A0A031GRA8	A F A V F L P V K S V G V M G D G R T Y E Y V V A L R A V V Q T Q D F M T A H W A			
UniRef90_UP1000471B77B	A F A T L L P V K T V G V M G D N R T Y E N L V A L R S V D S I D F M T A Q A S			
UniRef90_N2AU69	Y F A A L T N M R S V G V M G D E R T Y D Y A V A L R A V N T I D F M T A E A A			
UniRef90_D1B619	C F C V L L P V R S V G V M G D V R T Y A E T A V I R A V E S Q D G M T A D W A			
UniRef90_UP10003F96D08	Y F T V L V L T P L K T V G V K G D K R A Y E N V L A I R A V T S I D G M T A D F A			
UniRef90_I2K079	A F A A C L L P I R S V G V M G D Q R M Y E Q V I A L R A I E T V D F M T A D W F			
UniRef90_UP100036045DC	A F A V F L P V K S V G V M G D G R T Y D Y V V A L R A V V T S D F M T A H W A			
UniRef90_G5GDG8	A G V I L L P I K S V G V M G D E R T Y E K A V A L R A V T S Q D A M T A D W A			
UniRef90_D6ZII4	C P V V L L D V R S V G V Q G D G R T Y G H P I V L R P V S S E D A M T A D W S			
UniRef90_S5ZL90	A F P V L L S L K T V G V K G D V R S Y E Y V V A L R A V V E S E D A M T A N F V			
UniRef90_I4YHC3	A Y A A L A L P V K A V G V Q G D K R T Y E Q V I A L R A V T T D F M T A D W F			
UniRef90_KOKFN1	A F A A L L P V K S V G V M G D Q R T Y E Q V I A L R A I E T T D F M T A D W Y			
UniRef90_K9SLJ4	A F A V V L L P V R S V G V M G D A R T Y A H P V V L R F V T S E D G M T A D W A			
UniRef90_E1QY69	Y F A V L P D R S V G V M G D E R T Y A R P V V L R A V E S S D A M T A D W A			
UniRef90_R7JZ74	Y F A A L T N M R S V G V M G D E R T Y D Y A V A L R A V N T I D F M T A E A A			
UniRef90_E4U892	A L A V L T P V R S V G V T Q D E R R Y G Y V L A L R A V T S V D G M T A D W A			
UniRef90_R6U8N3	F F A V L P N V Q T V G V M G D H R T Y D H L I A I R A V T T D D F M T A D W A			
UniRef90_S3MPS7	A F A V F Q P I K S V G V V G D G R R Y A W V I A L R A V E T V D F M T A R F A			
UniRef90_W5XBG5	S Y A A L L D V R S V G V M G D E R T Y E Q P I V L R A V Q S E D A M T A R A V			
UniRef90_R5BN14	A G V I L L P I K S V G V M G D E R T Y E Q P V A L R A V V V S T D A M T A D W F			
UniRef90_UP10003F7BD08	C P V V L L D I R S V G V Q G D G R T Y G H P I V L R P V S S E D A M T A D W A			
UniRef90_E6XOA6	A F T V L L N V S S V S G V M G D N R T Y D N T V C I R V M V E S V D G M T A T F A			
UniRef90_K6H094	A F C A Y L P I K S V G V V G D E R R Y A D V I A I R A V E T V D F M T A T W A			
UniRef90_A8PQW8	A F A V L L P V R A V G V Q G D K R T Y D Q V I A L R A A Q T T D F M T A T W Y			
UniRef90_I3VIC9	A F P V L L P V S T V G V M G D E R T Y E K V V A I R A V T S S D G M T A D W A			
UniRef90_I7JE9J	A F A V V L L P I R T V G V M G D S R T Y G Y V C A L R A V T S S D G M T A D A F			
UniRef90_A5K7F1	A F A V L L P T K S V G V S G D A R S Y D Y V C S I R A V K T S S F M T A S W Y			
UniRef90_UP100047B979C	Y F A A L T N M R S V G V M G D E R T Y D Y A V A L R A V Q T I D F M T A E S A			
UniRef90_Q3YT30	A F A V I L P V K T V G V M G D S R T Y G Y T C A L R A V T S S D G M T A G C F			
UniRef90_K2DSS3	I F A V F T G I V K T T V G V R G D E R A Y G E T I A I R A I E A K D A M S A N F A			
UniRef90_UP1000362228C	S F G V L L P V R S V G V M G D E R T Y K Y V G V I R A V M S E D G M T A D W A			
UniRef90_J0JHM3	A Y A A L D P T K A V G V M G D K R V H A E M I V L R A V E T S D F M T C T A Y			
UniRef90_E0XR90	A F V V Y L P I K S V G V V G D E R R Y E D V L A L R A V E T V D F M T A N W A			
UniRef90_S2VXX7	C P V V L L D V R S V G V T Q D Q R T Y G H P I V L R P I I S E D A M S A E W A			
UniRef90_B8MNJ3	A Y A G L D T S K A V G V M G D N R V Y G Y I I I L R A V T T D F M T A E P Y			
UniRef90_Q7VRS2	A F A V F L P V Q S V G V Q G D Q R K Y K W V I V L R A I E T E D F M T A Q W V			
UniRef90_U3QDH5	A F I V L L P I R S V G V I K G D K R T Y E Y A A I L R V I N T E D F M T A T F S			
UniRef90_B9KH18	A F A V L V P V R T V G V M G D G R T Y G Y V C A L R A V T S S D G M T A D C F			
UniRef90_J9YVL1	A Y A A L L P V K T V G V M G D N R T Y E Y L C L L R A I T S Q D G M T A D Y Y			
UniRef90_D0RP17	A F A V L I P I V T V G V M G D S R T Y D Y I C A L R A V T S Q D G M T A N Y Y			
UniRef90_R6AMH3	A G T V L L T V R S V G V M G D E R T Y E H P V A L R A V T S T D A M T A D W A			
UniRef90_Q9Y933	Y F A V L T A S M A T G V R G D S R S Y G Y V V A V R A V E S V D A M T A K P A			
UniRef90_H6Q5J2	A F A I F L P I Q S V G V I M G D S R K Y E W V I A L R A I H T V D F M T A R W V			
UniRef90_Q83ID3	C P V I L L D V Q S V G V V G D S R S C G F P I V I R P V S S D D A M T A D W Y			
UniRef90_K6QD57	A F A V L T G T P T V G V M G D R R T Y G E A V A V R A V T S G D G M T A D W A			
UniRef90_S3D1S5	A F A A L L P V K A V G V M G D K R V H Q Q V I A L R A V Q T T D F M T A N F			
UniRef90_A6GKQ5	V F G V L L P V Q S V G V M G D A R T Y E N A L A V R A V E S L D A M T A D W A			
UniRef90_A8PKI7	A F C V F L P I I R S V G V V I G D T R Q Y A P I V I R A I E T T D F M T A R W A			
UniRef90_UP100025552DF	A F A V L L P I I R S V G V V A G D V R K Y G W V I A L R A I V S A D G M T A D V Y			
UniRef90_F4RUD5	A F T V L L P V R A V G V Q G D K R T Y E Q V I V L R A V T K T E D F M T A D W F			
UniRef90_I3SU43	A F A V F L P V R S V G V Q G D Q R T H S H V V A L R A V T S Q D G M T A D W Y			
UniRef90_UP1000477AE59	A F A V L L P I I Q S V G V V A G D S R A Y G N V V A L R A V T S T D G M T A D V Y			
UniRef90_X5GXH8	A F T V L L P I I R S V G V M G D K R S Y N Y V C A V R A V T S R D G M T A S A Y			
UniRef90_X1BFX4	S F G I L L P I K T V G V M G D I R T Y D S V L A L R I V N S S D G M T A D W V			

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UniRef90_B9E8Y0	R   D W E V L   Q K V S S R   I V N E V D H V N R V V Y D   T S K P P S T   E WE			
UniRef90_S4WBG7	R M P A D T L   S K I S S N R   I V N S E V T G I N R V V Y D   T S K P P P G T   E WE			
UniRef90_F4DJ36	H L P Y E F L   H R C S S R   I I N E I P E V S R V V Y D   S D K P P P A T   E WE			
UniRef90_F3A4M3	H I P F E V L   E E I S A R   I V N E V A H V N R V V Y D   T S K P P P A T   E WE			
UniRef90_M2T6V8	P F D G S F L   S S V A T R   I V N E V K G I N R V V Y D   T S K P P P G T   E WE			
UniRef90_F8B622	R L P Y D L L   E E R I S S N R   V V N E V K G I V N R V V Y D   T S K P P P G T   E WE			
UniRef90_I0AHR5	P F E P D F L   A E V S S N N   I I N E E V K G I V N R V V Y D   S S K P P P A T   E WE			
UniRef90_D5ML81	R L P H D L L   Q A I S S R   I I S E E V K G I V N R V V Y D   T S K P P P S T   E WE			
UniRef90_I7GYZ6	H L P H A F L   E S V S S N R   I I N E E V A G I V N R V V Y D   T S K P P P G T   E WE			
UniRef90_K9ZYI2	R L P Y E F L   D T V S L   R   V N H V H E V S R V V Y D   T T G K P P P A T   E WE			
UniRef90_A0A017TEF5	R L P Y D L V   G R V S A R   I I N E I V R G I V N R V V L D   V S S K P P P S T   E WE			
UniRef90_D0KYE0	H L P Y E F L   E R V S L   R   V N E E L N H V Y D   T T G K P P P G T   E WE			
UniRef90_J0LNZ7	R V P Y D V L   A V I S T R   T N E C R G I V N R V V L D   V T S K P P P A T   E WE			
UniRef90_S6CG94	H L P F E F L   E T V S R R   I I N E E V S G I V S R V A Y D   I S S K P P P A T   E WE			
UniRef90UPI000371E803	R V P Y D I L   A N I S S R   I V N E E V D E V I N R V V Y D   I T S S K P P P G T   E WE			
UniRef90UPI0004662CDB	R L P S E V L   S R I S S N R   I I Q E E V R G I V N R V V Y D   I S S S K P P P A T   E WE			
UniRef90_G9WMJ0	D I P F S V L   Q R V M N R   I V N E E V K G I V N R V F Y D   I T S S K P P P G T   E ME			
UniRef90_F8MU7	N F P W D F L   Q R V M N R   I V N E E V N G G V C   R V T Y D   I T S S K P P P G T   E LE			
UniRef90_L0DBN1	R L P H D L L   A R A S T R   I I N S V S K G I V N R V V Y D   V T S S K P P P G T   E WE			
UniRef90_Q0AW22	R L P W E L L   D I M A R R   I V N E E V A G I V N R V A Y D   I T S S K P P P G T   E WE			
UniRef90UPI000472B30C	P L P N D F L   D R V V A N R   I I N E I E E G I V S R V V Y D   I S S G K P P P A T   E WE			
UniRef90_A8FMV3	H L P Y E V L   E N I S R R   I I N E E V E G I V N R V V Y D   I S S S K P P P A T   E WE			
UniRef90_W0JJ97	Y L P Y D V L   N G I S T R   I I N E E V S H V V N R V V L D   I S S N K P P P A T   E WE			
UniRef90_G2KUY2	E V P W E V L   G K V S S K R   I V D E E V A G V I V N R V V L Y D   I T S G K P P P A T   E YE			
UniRef90_B8C1B3	H L P Y D V M   M S T M S S R   V I R G I I C   Y D   I S S S K P P P A T   E WE			
UniRef90_C5LT62	Q M P Y D L L   G R I S T R   I I N E E C K G I V N R V V Y D   V S S S K P P P A T   E WE			
UniRef90UPI00016BFEE9	K I P W E V L   E K V V T T R   I V N E E V G G V I N R V V L Y D   I L T T G K P P P A T   E LE			
UniRef90_F7V8K6	R I P Y D V L   D K V M M N R   I I N E E V K G I V N R V F Y D   I L T S S K P P P G T   E FE			
UniRef90_E6SV74	H L P Y E F L   G K V S S N D   I I N K I V K G I V N R V T Y D   I I S S S K P P P S T   E WE			
UniRef90_B8FKL2	R L P H D M L   A V M S S N R   I I N E I I N G V I V N R V V Y D   I I S S S K P P P S T   E WE			
UniRef90_XOT399	R L P Y D L L   S S I S S N R   I V N E E V P G V I V N R V V Y D   I I T S S K P P P G T   E WE			
UniRef90_J6F0Q6	E F P A G V L   K K I S S N K   I T N E V R G I I N R V T Y D   I I T S S K P P P G T   V E W			
UniRef90UPI0003B66794	N L P K N F L   D R I V S N K   I V N E E V K G I V N R V V Y D   I I T S S K P P P S T   E LE			
UniRef90_H8Z2A4	E L P Y D F L   A Q V S S H R   I V A E E V P G V I V N R V V A Y D   I I T S S K P P P A T   E WE			
UniRef90_C8WP25	K L P Y E V L   A R V V S S R   I V A E E V P G V I V N R V V A Y D   I I T S S K P P P A T   E WE			
UniRef90_K2BY69	H L P H T L   E E V V A S Q   I I N E E V R G I I S R V V Y D   I I T S S K P P P A T   E WE			
UniRef90_E7FYD7	P L P F T F L   E E V V A S Q   I I N E E V R G I I S R V V Y D   I I T S S K P P P G T   E WE			
UniRef90_B2TIX3	D L P W E V L   G K V T T R   I V N E E V K G I V N R V M Y D   C T G K P P P A T   E FE			
UniRef90_A0A031GRA8	H L P H S L L   G K V S S N R   I I N E E V R G I V N R V V Y D   I I S S G K P P P A T   E WE			
UniRef90UPI000471B77B	H L P W K F I   D H V V G R   I I N E E V E G V I V N R V V Y D   I I T S S K P P P G T   E WE			
UniRef90_N2AU69	E V P Y A V L   V M S R   I I N E E V R G V I V N R V M Y D   C T G K P P P G T   E FE			
UniRef90_D1B619	R L P Y D L L   D R V V S R R   I I N E E V R G V I V N R V V M D   V I T T G K P P P A T   I E WE			
UniRef90UPI0003F96D08	D I P Y N V L   Q I V S T R   I I N E E V D G V I V N R V V Y D   I I T S S K P P P G T   I E WE			
UniRef90_I2K079	V F P A D F L   K R V V A S R   I V N E E V N G V I V N R V S R V T Y D   I I T S S K P P P A T   V E WE			
UniRef90UPI00036045DC	E L P Y A L L   G K V S S N R   I I N E E V R G I I N R V V Y D   I I T S S K P P P A T   V E WE			
UniRef90_G5GDG8	H L P Y E F M A Q V S S N D   I I N K V K G I I N R V C Y D   I I S S S K P P P S T   I E WE			
UniRef90_D6ZII4	R L D W E L V   A R I S N L   I T N Q V P E V I V N R V V L D   C T S S K P P P G T   I E WE			
UniRef90_S5ZL90	K L P W E L L   D R I S S H R   I T N E E V E G V I V N R V V L Y D   I I T S S K P P P A T   I E FE			
UniRef90_I4YHC3	D F P H D V L   K R I S S S R   I T N E E V E G V I V N R V M L D   V I T S S K P P P A T   I E ME			
UniRef90_KOKFN1	C F D A S F L   K K V S S S R   I V N E E V D G V I V N R V T Y D   I I T S S K P P P A T   V E WE			
UniRef90_K9SLJ4	K V P Y E L I   G T I A N R   I V N E E V P G I I N R V V M D   V I T T S S K P P P G T   I E WE			
UniRef90_E1QY69	K L P Y E V L   G K I S S S R   I V N E E V D G V I V N R V V Y D   V T P K P P P A T   I E WE			
UniRef90_R7JZ74	Q I P F E V L   Q K V M S S R   I I N E E V D G V I V N R V F Y D   I I T S S K P P P G T   I E FE			
UniRef90_E4U892	R L P H D F L   D E V V A R K   I P Q E I P E V I G R V V Y D   I I T S S K P P P G T   I E WE			
UniRef90_R6U8N3	K I P Y D V L   A R I S N R   I T N E E V D H   I V N R V V Y D   I I T S S K P P P G T   V E WE			
UniRef90_S3MPS7	U R P Y D L V   D K I S T R   I M N E I K D V I S R V V Y D   I I T S S K P P P A T   I E WE			
UniRef90_W5XBG5	N I P F D A E V I A S S R   I I N K V K G V I V N R V F Y D   I I T S S K P P P A T   E LE			
UniRef90_R5BN14	H F P Y D F L   A Q V S S N D   I I N K V K G V I V N R V V Y D   I I T S S K P P P A T   I E WE			
UniRef90UPI0003F7BD08	R L P Y D V L   A R I S T R   I T N G V P E V I V N R V V L D   C T S S K P P P G T   I E WE			
UniRef90_E6XOA6	Y V P H D L L   E N I S S R   I I N E I D G I V N R V V Y D   I I S S S K P P P A T   I E WE			
UniRef90_K6H094	K L P Y N F L   A Q V S S N R   I V N E I E G V I S R V V V Y D   I I S S S K P P P A T   I E WE			
UniRef90_A8PQW8	P F D Y A L L   S R I S S R   I V N E E V Q G V I V N R V V L D   V I T S S K P P P A T   I E W			
UniRef90_I3VIC9	R L P H D L L   A R V S A R M V S   I I R G I V N R V V Y D   I I S S S K P P P S T   I E WE			
UniRef90_I7JE9J	P F E W S F L   Q D V S S I   I V N E E V S G V I V N R V V Y D   I I T S S K P P P A T   I E WE			
UniRef90_A5K7F1	I K P Y D I L   E E K I S T R   I L S E E V K G V I V N R I L Y D   I I T S S K P P P A T   I E FE			
UniRef90UPI00047B979C	Q I P W E V L   Q T V M M R   I I N E E V H G V I V N R V M Y D   L T S S K P P P G T   I E FE			
UniRef90_Q3YT30	P F F Y E F L   Q E V S S N A   I V N E V D G I I N R V V Y D   I I T S S K P P P A T   I E WE			
UniRef90_K2DSS3	K L P Y E L L   E R I S S R   I V N E I R E V I V N R V V Y D   I I T N K P P P A T   I M E WE			
UniRef90UPI000362228C	R I S Y D T L   D V I A R R   I V N E V A G I I G R V V Y D   I I T S S K P P P A T   I E WE			
UniRef90_J0JHM3	P F P H E F L   E K V S S R   I I N E E V H G V I V N R V L Y D   I I S S S K P P P S T   I E ME			
UniRef90_E0XR90	H L P Y D F I   G K V S S N R   I V N E I P L I I S R V V Y D   C T G K P P P A T   I E WE			
UniRef90_S2VXX7	H V P Y D V L   D R I S S M R   I T S E E V P E I I N R V V L D   V I T S S K P P P A T   I E WE			
UniRef90_B8MNJ3	D F D H S L L   K R I A T R   I V N E E V H G V I S R V V T Y D   I I S S S K P P P G T   I E LE			
UniRef90_Q7VRS2	R L P Y D T F L   N K V S S N R   I V N E E V E E V I V N R V V Y D   I I S S S K P P P A T   I E WE			
UniRef90_U3QDH5	H L S Y D F L   E K V S S N R   I T N E E V D G I I N R I A Y D   I I T S S K P P P S T   I E WE			
UniRef90_B9KH18	P F G E A F L   Q K V S S R   I V S S N L   Q G G V I N R V V Y D   I I M T S S K P P P A T   I E WE			
UniRef90_J9YVL1	D F K K S F I   Q E I S S N K   I V N S I R G I I N R V V Y D   I I T S S K P P P S T   I E LE			
UniRef90_D0RP17	N F K N K D L   S E I S N K   I V N Q N G G V I N R V V Y D   I I T S S K P P P G T   I E WE			
UniRef90_R6AMH3	H L P Y D F M A K V   S N D I   I N H V K G V I C   Y D   I I S S S K P P P S T   I E WE			
UniRef90_Q9Y933	E L P W W L L   E R I A R R   I T S E I P E V I V R V V Y D   I I T S S K P P P S T   I E WE			
UniRef90_H6Q5J2	K I P Y K I L   D R I S S L   I I N E I D G I I S R V V Y D   I I T S S K P P P A T   I E WE			
UniRef90_Q83ID3	R L P Y D V L   A R I S G R   I T N E E V P E I I V R V V L D   I T P K P P P A T   I E WE			
UniRef90_K6QD57	R L P H E V L   D R I A R R   I A N E E V E G V I V N R V V Y D   I I T S S K P P P A T   I E WE			
UniRef90_S3D1S5	R F D W E F L   E R V S T R   I V N E E V D G V C   R V E Y D   I I T S S K P P P G T   I E ME			
UniRef90_A6GKQ5	H L P Y E V L   G K I S S R   I I N E E V R G I I N R V C Y D   I I S S S K P P P A T   I E WE			
UniRef90_A8PKI7	P F P V K D L   L E I S T R   I T N T V K G D I I G R V V T Y D   I I S S S K P P P A T   I E WE			
UniRef90UPI00025552DF	D F P P H V L   R R I S S R   I T N E V Q G G V I N R V T Y D   I I S S S K P P P G T   V E W			
UniRef90_F4RUD5	Y F E H K F L   D D V S R K   I C N G I V R G G V I N R V V Q D   I I T S S K P P P S T   I E WE			
UniRef90_I3SU43	UniRef90UPI000477AE59	P F E H K F L   R R I S S R   I T N G I P Q V G R V V Y D   C S S G K P P P A T   I E WE		
UniRef90_X5GXH8	P F E L E F L   N E I A T K   I P N Q V K E V S R I V Y D   I I T S S K P P P A T   I E WE			
UniRef90_X1BFX4	K I S Y K I L   G E I S N R   I I N D V K G I I N R V V Y D   I I S S S K P P P A T   I E WE			

UniRef90\_B9E8Y0  
UniRef90\_S4WBG7  
UniRef90\_F4DJ36  
UniRef90\_F3A4M3  
UniRef90\_M2T6V8  
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UniRef90\_G9WMJ0  
UniRef90\_F8MUF7  
UniRef90\_L0DBN1  
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UniRef90_T0RU08	G P G I A G I R V L   G E L F   P E S I   L K V Q Q S D Q I   L F E E L   Q N F N L Y   T W Q				
UniRef90_T0LK18	G P G L A V R I I   G E V T   T K E R   V D L L K R A T A I   L E S R   V S A L D   D V I P W Q				
UniRef90_J4URH0	G P G I A I R V L   G E V T   T P E R V E I A   A R R A D N   F I N M   R E N G L Y   Y I S Q				
UniRef90_L8G7Q1	G P G L A V R V P   G D   V T P E R V E M V   R Q A D H   F I G M   R E W G L Y   Y I S Q				
UniRef90_A0A022Q8D1	G P G L A V R V P   G D   V T P E R V E M V   R Q A D H   F I G M   R E W G L Y   Y I S Q				
UniRef90_C0BZ64	G P G L G V R C L   G A I   T R D R L   L E A V   R E S D A   L R E E F   A A A G L   D V W Q				
UniRef90_K2BWF3	G A G L G I R V V   G E V K K E F I   I I I L Q N A D A   F I D A L   R E H   H N L Y   V A W Q				
UniRef90_T1BMY7	G P G L A V R I M G E   V T G E K A   E T V   R R A D H   V T E E L   E G A G I   G L W Q				
UniRef90_X1E2L7	G P A F A I R I L   G E V T K E R   V K I L R N A D A   V T E E V   I T S D   Y L W Q				
UniRef90_J9ZC93	G P G L A I A I R I   G S V T P E R   L R V R E S D R   V R E E V   V S G H E   L S R W Q				
UniRef90_T1B0C7	G P G L A V R I L   G E I T P E R   I A L I I K R   V T E   V E N E   V K L K G N L P   W Q				
UniRef90_X1G6C2	G P G L A V R V C   G P   V D E E K I   S M I   R E A D Q   I Q E E   K N A G I   Y I W Q				
UniRef90_R5FTY4	G P G L G V R C C L   G A I   T E E R   L E A V   R E S D A   L R E E F   A K A G L   D V W Q				
UniRef90_U2JAZ0	G P G L G V R C C L   G A I   T E E R   L E A V   R E S D A   F R E E   A N A D   D I W Q				
UniRef90_K2C213	G P G H A V R I V G E   V T P T R   L A Q Q V   Q A D M   V V E E   L R K S G W Y   V F Q				
UniRef90_D5VQS3	G P G L A V R V L   G E V T T E E K   L I C   R E A N A   V E E E   V K K E G   D R W Q				
UniRef90_G9MJ77	G P G I A I A I R I   G D   V T K E R   V E I   A R K A D H   F I T M   K E A G L   Y I S Q				
UniRef90_UP100037F463C	G P G L A I A I R C   P   G E I   T E E K   N   N A D S   Y I E Q   K Y G   D V W Q				
UniRef90_C7GZD6	G P G L G V R C T   G A I   T R N R   L D A L   R E A D A   L R E E F   E K A G L   K V W Q				
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UniRef90_J9FXP3	G P G L G V R C L   G A I   T E D R   L E A V   R E S D A   L R E E F   F A K N G   L K V W Q				
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UniRef90_M9SAD2	G P A L A I A I R C   L   G E V T P E K   V   R E A C   F   V E D E   I M K A A V   R P W Q				
UniRef90_M2LCM4	G P G L A I R I I   G E V T P E K   V   Q   E A D A   F M E E   I L K S   L Y   R D I   S Q				
UniRef90_A0A010QE8	G P G I A I A I R I   G E V T P E R   V A I   A R A A D N   F I S M   K E A G   Y I Y M S				
UniRef90_R7F0M6	G P G L G V R C V   L   G E I   T A E K   V   Q   E A D N   F I Q G   L R D H   D L Y   V W Q				
UniRef90_S9Q2J0	G P G L G I R I I L   G E V T N R S Q   L   E   A R K A D H   F I T E   R N H   G Y Y   I S Q				
UniRef90_R6N764	G P G L G V R C L   G A I   T R D R   L E A L   R E S D A   L R E E F   F A K A G L   D V W Q				
UniRef90_R9MDE1	G P G L G V R C L   G A I   T R D R   L A L   R E S D A   V L R E E F   A K A G L   Q   V W Q				
UniRef90_D1YVL3	G P G L S V R V I   G E V T P E K   V   A   V   R E A N A   V E E E   L V Q Q   F H P   W Q				
UniRef90_W2UYN4	G P G L A V R I P   G V   T P E K   V   T R E K   V   I   R L R K   D S   F I Q I L   K S H   Y H E   I W Q				
UniRef90_W9I6S6	G P G L G I R I I   G E V T T R E K   V   E   I   V   R K A D H   F I S M   R E A G   I Y V T				
UniRef90_A6VF16	G P G L A V R I I L   G E V T T D E K   L   A I   C   K E A N F   V S E E   I E K T E   L K L W V				
UniRef90_E6N9E9	G P G L A V R I I   G E V T T E E K   L   E   I   L   Q   N   V   T   Q   V E E E   V V E E   K I E R P   W Q				
UniRef90_T1BN12	G P G L A V R I I   G E V T T E E K   L   E   I   L   Q   N   V   T   Q   V E E E   L L E R   F C P   W Q				
UniRef90_M3A2G9	G P G L A V R I I   G E V T T K E K   I   R   M A Q Q   A D D   W I   K E   I   R K A G Y Y   I S Q				
UniRef90_V6AQ55	G P G L A V R I I   G E V T T E K K   L   N   T   A K T A S K   V E E E   L E A A G   W Y V   W Q				
UniRef90_N0BKR7	G P G L A V R I V G E   V T P E K   V   E   V   V R K A N A   V E E E   L A S Y D   K W Q				
UniRef90_V4K5W6	G P G L A V R V I   G E V T T E E K   L   R   V   A R R A S K   V E E E   L R R A G   L Y V   W Q				
UniRef90_Q8THK3	G P G L A V R I I L   G E V T T E E K   L   E   V   V R E A N F   V E E E   L L E R   F C P   W Q				
UniRef90_R6P006	G P G L G V R C P   G A I   T R D R   L E A V   R E S D A   L R E E F   E K N G   L K I   W Q				
UniRef90_UP10003B7466D	G P G L G V R C P   G A I   T R D R   L E A V   R E S D A   L R E E F   F A K N G   L K V   W Q				
UniRef90_B1Y9L1	G P G L A V R I I   G P   F T R E K   L   D   I   V   R   K A S K   V E E E   L G K E G   L G V   W Q				
UniRef90_J1L436	G P G L A V R V L   G E V T P E A   I   A   V   R E A N A   V E E E   L V E A   Y R P   W Q				
UniRef90_I7CJL9	G P G L S I R I I   G E V T K E K   V   F   L   S   E   V   H   Q   A   V E T E   F R E R   R L   T K F   Q				
UniRef90_R5RV77	G P G L G V R C T   G A   I   T   R   D   R   L   E   A   V   R E A D A   M Q D A D D   F I   Q   G   L R   D W G   L Y   V W Q				
UniRef90_R6E1D2	G P G L G V R C T   G A   I   T   R   D   R   L   E   A   V   R E A D A   V R E E   I   G K   L N P   T   P   W Q				
UniRef90_G4RPE7	G P G L A V R I I M G Q   F T R E K   L   D   I   V   R   R A S K   V E E E   L K A S G   L Y V W Q				
UniRef90_B8D3X4	G P G L A V R I T G V   F T K K K   L   D   V   C   R R A S K   V E D V   L R E Y   G L Y V W Q				
UniRef90_F0QR95	G P G L A I R V I   G E V T K E K   V   E   L   I   S   S   L   H   D   F M E R E F R K   G K Y   S D Q				
UniRef90_R7WAC2	G P G L G V R C T   G A   I   T   R   D   R   L   E   A   V   R E A D E   Y V   Q A   I   R D A G   L Y   W Q				
UniRef90_L0HAK5	G P G L S V R V I   G E A   T   K   E   K   I   A   V   V   R E A N W   V E D E   L   V E K Y   R P   W Q				
UniRef90_O26806	G P G L A V R I V G E   I   T   R   E   K   I   E   I   C   R R A N A   V E E E   V V E S G   L H   W Q				
UniRef90_R5Y9U4	G P G L A V R V I G K   F S R E   K   L   E   V   A   K   K S S K   V E D V   L K K Y   G L Y V W Q				
UniRef90_I0A0N6	G P G L A V R V I G K   F S R E   K   L   E   V   A   K   K S S K   V E D V   L R K R G   L Y V W Q				
UniRef90_B1L5Z7	G P G L A V R V I G E   V   T   E   E   K   L   E   I   V   R E A S S   V E E V   L R K R G   L Y V W Q				
UniRef90_V4HEC9	G P G L A V R V I G E   V   T   A   E   K   V   Q   V   A   R   D   C   H   V   V E E E   T E E   H D   P   W Q				
UniRef90_T1A6V0	G P A L A A R I V G E   V   T   E   Q   R   L   A   T   V   R   A   A   T   V   E E E   L K   H   S G   L Y V W Q				
UniRef90_X0WKF4	G P G L I I R I E G E   V   T   S   E   K   L   S   I   A   R   K   A   D   I   F   L   E   H   A W G   L Y V W Q				
UniRef90_K2EN21	G P G L I I R I E G E   V   T   S   E   K   L   S   I   A   R   K   A   D   I   F   L   E   H   A W G   L Y V W Q				
UniRef90_D7HEW0	G P G L I I R I E G E   V   T   S   E   K   L   S   I   A   R   K   A   D   I   F   L   E   H   A W G   L Y V W Q				
UniRef90_Z4WYK4	G P G L I I R I E G E   V   T   S   E   K   L   S   I   A   R   K   A   D   I   F   L   E   H   A W G   L Y V W Q				
UniRef90_E3ZY74	G P G L I I R I E G E   V   T   S   E   K   L   S   I   A   R   K   A   D   I   F   L   E   H   A W G   L Y V W Q				
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UniRef90_X1FTB2	G P G L A V R I I M G K   V   T   R   P   R   I   A   L   V   R   S   A   T   V   V   V   E   E   L   A   G   D   A   F   Q				
UniRef90_T1AKU3	G P G L A V R V V G E   V   T   P   D   R   A   A   L   A   R   L   A   C   A   V   E   E   V   D   V   R   A   V   P   R   P   W Q				
UniRef90_X1DU10	G P A L A A R V I G E   V   T   P   E   R   I   E   I   V   R   K   A   T   V   V   I   V   E   E   V   D   V   L   K   N   T   G   A   F   Q				
UniRef90_F0UF079	G P G L A V R V I G E   V   T   P   E   R   I   E   I   V   R   K   A   T   V   V   I   V   E   E   V   D   V   L   K   N   T   G   A   F   Q				
UniRef90_V4F8C9	G P G L A V R V I G E   V   T   P   E   R   I   E   I   V   R   K   A   T   V   V   I   V   E   E   V   D   V   L   K   N   T   G   A   F   Q				
UniRef90_R7FZC6	G P G L A V R V I G E   V   T   P   E   R   I   E   I   V   R   K   A   T   V   V   I   V   E   E   V   D   V   L   K   N   T   G   A   F   Q				
UniRef90_A0A031HEG2	G P G L G V R L L C   D   G   A   P   E   P   V   D   D   A   D   I   V   T   D   M   L   T   E   D   G   V   M   R   S   I   P   W Q				
UniRef90_F0YB85	G P G L A V R V N G L   V   T   P   E   R   V   R   R   A   R   V   A   N   R   I   V   V   E   E   V   E   R   A   M   P   R   P   W Q				
UniRef90_T0ZYB0	G P G L A V R I L G D   I   T   P   E   K   V   S   I   L   Q   D   A   D   D   V   F   I   Q   G   L   R   D   W   G   L   Y   V W Q				
UniRef90_K1T7Q8	G P G L A V R I L G D   I   T   P   E   K   V   S   I   L   Q   D   A   D   D   V   F   I   Q   G   L   R   D   W   G   L   Y   V W Q				
UniRef90_W4UPI0	G P G L A V R I L G D   I   T   P   E   K   V   S   I   L   Q   D   A   D   D   V   F   I   Q   G   L   R   D   W   G   L   Y   V W Q				
UniRef90_X1EMS9	G P G L A V R I L G D   I   T   P   E   K   V   S   I   L   Q   D   A   D   D   V   F   I   Q   G   L   R   D   W   G   L   Y   V W Q				
UniRef90_X1HTQ5	G P G L A I R I L G P   V   T   R   S   Q   V   Q   I   A   Q   R   A   D   T   I   Y   L   E   E   V   R   K   A   G   L   Y   I A   Q   Q				
UniRef90_M5BU28	G P Q L H H P   I   Q   D   I   T   P   T   Y   L   A   T   L   R   Q   A   D   H   I   A   N   Q   V   F   A   A   N   G   C   M   S				
UniRef90_E2B6F9	G P G L A I R I L G C   A   E   K   D   Y   S   E   T   Q   V   I   A   R   V   V   D   Y   M   E   Q   H   K   L   I   A   S				
UniRef90_T1PP07	G P G L A I R I L G C   A   E   K   D   Y   S   E   T   Q   V   I   A   R   V   V   D   Y   M   E   Q   H   K   L   I   A   S				
UniRef90_A0A026WB09	G P G L A I R I L G C   A   E   K   D   Y   S   E   T   Q   V   I   A   R   V   V   D   Y   M   E   Q   H   K   L   I   A   S				
UniRef90_B3S031	G P A I V H P   V   H   D   I   T   P   T   A   L   S   T   L   R   E   A   D   E   I   V   N   S   A   L   R   D   Y   G   Y   K   S				
UniRef90_K7NPC3	G P G L S I R V I C   A   I   C   K   D   F   A   E   L   L   Q   R   V   K   S   C   I   S   D   E   E   E   K   L   M   Q   C   T   S				
UniRef90_H2SR85	G P G L A I R T L C   A   F   T   E   K   Y   F   D   A   L   N   P   S   Q   G   I   Y   E   N   P   V   Y   E   A   S   Q   Q   T   F   Q				
UniRef90_W4LKU5	G P G L A I R I L C   A   F   T   E   K   Y   F   D   A   L   N   P   S   Q   G   I   Y   E   N   P   V   Y   E   A   S   Q   Q   T   F   Q				
UniRef90_G0MVI0	G P G L A I R I L C   A   F   T   E   K   Y   F   D   A   L   N   P   S   Q   G   I   Y   E   N   P   V   Y   E   A   S   Q   Q   T   F   Q				
UniRef90_E9H8P7	G K A V R P V T D   V   T   P   T   Y   L   A   T   L   R   E   A   D   Y   L   A   N   K   I   F   R   E   S   G   C   Y   I   A   Q   Q				
UniRef90_V9K8D9	G P G L A I R V I C   A   D   E   P   K   P   H   T   L   L   Q   R   V   K   S   C   T   N   D   E   Q   E   R   L   M   Q   I   T   S   S				
UniRef90_Q4T8X4	G P G L A I R V I C   A   D   E   P   K   P   H   T   L   L   Q   R   V   K   S   C   T   N   D   E   Q   E   R   L   M   Q   I   T   S   S				
UniRef90_B4GJJ8	G P G L S I R V I C   A   D   E   P   K   P   H   T   L   L   Q   R   V   K   S   C   T   N   D   E   Q   E   R   L   M   Q   I   T   S   S				

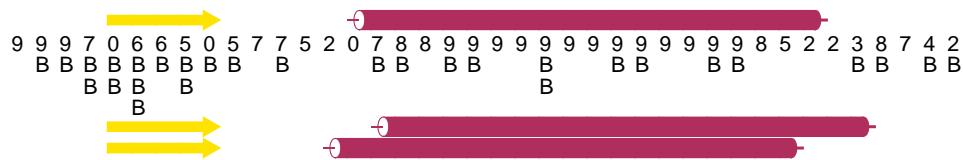


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UniRef90_B5Y6U1	K A P P E L L D K I A S S L I S E I   P E I S R V V Y D I T S K P P G T   E WE			
UniRef90_E12D62	P F Q P D F L R Y V S T K I C N T V R S V N R V V Y D I T S K P P G T   E WE			
UniRef90_T0RU08	D M P R D F L S K T S N R I T N E V K G V T R V V Y D I T S K P P G T   E WE			
UniRef90_T0LK18	H I P L D V L S D I S R E I T N E V D G V C R V V Y D I T D K P P A T   E WE			
UniRef90_J4URH0	P F D H K L L N E I S T R I T N E V D G V C R V V Y D I T S K P P G T   E L E			
UniRef90_L8G7Q1	P F S H E F L N Q V S T K I C N V N V K G V C R V V Y D I T S K P P A T   E L E			
UniRef90_A0A022Q8D1	Y F D H K F L A D L S T K I T N E V D G V C R V V Y D I T S K P P G T   E L E			
UniRef90_C0BZ64	K V D W E V L E K I T N R I L A E V V G N V N R V C Y D M S P K P P A T   E F E			
UniRef90_K2BWF3	E L P H S F L A Y V S H K I I N E V P F V S R V V Y D I S G K P P A T   E WE			
UniRef90_T1BMY7	E L P W Q L V R R I S T R I T N E V P G V T R V V Y D I T D K P P G T   E WE			
UniRef90_X1E2L7	K L P Y N V L E E I S N Q I I N K V S G V N R V L Y D I T S K P P G T   E Y E			
UniRef90_J9ZC93	D L S H S L L A E E L S H R I I A E V R G V N R V V Y D I S P K P P S T   E WE			
UniRef90_T1B0C7	K P P W D F L D E L S T R I T N S V T Q V N R V V Y D I T N K P P A T   E WE			
UniRef90_X1G6C2	K I D W N L L E Q I S T R I I N E V K G F N R V V F D I T N K P P S T   E Y E			
UniRef90_R5FTY4	P L P Y E L L N E I T R R I T S E E V K G V N R V L Y D I S P K P F A T   E WE			
UniRef90_U2JAZ0	E I P W Q V L R K A S K R I T D L L P A V T R V V Y D I T D K P P A T   E WE			
UniRef90_K2C213	R I P Y P I L E K I I S S R I V N E E V P S V S R V V Y D I T S K P P A T   M E WE			
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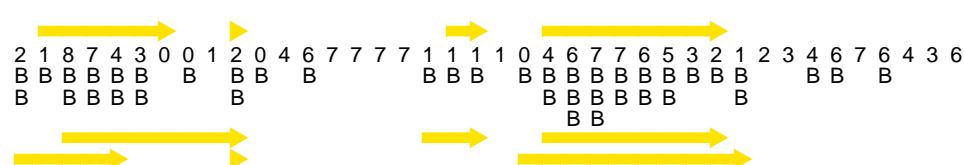
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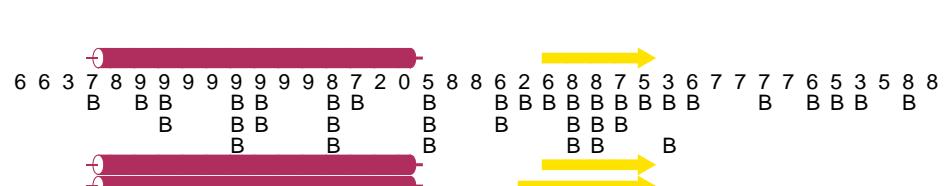


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90                    100                    110

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UniRef90_E4YIM8	K K Y A R F	P G I T R L L Y D L T S K P P G T T E W E
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