

QUERY	1	10	20	30	40
UniRef90_Q4SM54	S H T D I K V P D F S D Y R R P E V L D S T K S S K E S S E A R K G F S Y L V T				
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UniRef90_C1BK32	A H T D I K I P P D F S D Y R R P D V Q D P K T S S Q E S S E A R R G F S Y L L T				
UniRef90_A0A023F872	A H T D I L T V P P D F S D Y R R N A V K D P S A Q A R D S E D A R K S F T Y L L V V				
UniRef90_Q1W2B9	A H T D I E V P P D F S A Y R R K A T R D P T S K N I D S D E S R K A F T Y L L I V				
UniRef90_UPI0001CBB8A2	A H T D I Q Y P P D F S D Y R R Q P V S D P T S V S R A F T Y A M V				
UniRef90_K4FY92	A H S D V K I P P D F S D Y R R A D V M D A Q K T S Q D S I D T R R G F S Y L I T				
UniRef90_U5ERH1	A H T D I R V P P D F S D Y R R E A V K R P S S K N K D S A D D R R A F T Y L L L V				
UniRef90_H9GLL6	H N D V N V P P D F S D Y R R H E V L D S K T S S Q E S S E T R K A F S Y F L T				
UniRef90_D6WDE2	A H T D I N V P P D W S H Y R R D P V K A P T A K S T D S E E G R K S F T Y L I A				
UniRef90_C3Z0Y7	A H S D I T V P P D F D Y R R R D P C D P N K P A V S S D V S R A F S Y M L V				
UniRef90_T1J524	A H T D I K V P P D F T A Y R K E A S K D P R K P A R E T I I D T R Q T F S Y L V A				
UniRef90_H9J0M9	A H T D I S Y P P D F S A Y R R K E T Q D P T S K A N E T I D E R Q S F T Y L L I A				
UniRef90_D3YN33	A H T D I Q V P P D F S A Y R R H S V T D P T K N T E P E A R K S F T Y L L V A				
UniRef90_W4Y0P7	A H T D I Q V P P D F S E Y R R D T S D P K K P A S T S S T D R Q M F S Y L L V				
UniRef90_U4U4U5	A H T D I T V P P N F D N Y R R N S T K D P T R K A S E T E D T R K N F T Y L L A				
UniRef90UPI0003D081B5	H N D V T V P P D F S D Y R H P A V L D S T K S S Q D S G D A R R G F S Y L M T				
UniRef90_B0XCK7	A H T D I Q T P P D F S D Y R R D Q V K R A N A K N S S A D E R A A F T Y L M V				
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UniRef90_V5H0F7	A H T D I K V P P D Y T K Y R K D S V K S P D V P T S C S E E S R K I F T Y M I S				
UniRef90_D3TR98	A H S D L E V P P D F T P Y R R E N V K N A N R R N D S A E Q R K A F S Y M L V				
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UniRef90_G6D1W2	A H T D I A Y P P D F S A Y R R K E S Q D P K V K A D D S V D R R Q A F T Y L I A				
UniRef90_V8P4X7	V P P D F S Y H R R D S V Q D C T K S S Q D S S A E R K T F T Y F F N				
UniRef90_T1G2W6	A H T D I D F P P D F S A Y R H D R E S G E D S G L D N R K A F T Y L M V				
UniRef90_R7TZW0	A H T D L Q V P P D F D Y Y R K A P K E A D D S I E G D N N R K A F T Y L M L				
UniRef90_F6RM20	T V P P D F S D Y R R P E V L D S T K S S Q T S S D S R K S F Y L V T				
UniRef90_ATSI73	S H T D V N M P P D F G D Y R R P S T S E V I G K T E T T E I G R R A F T Y L V V				
UniRef90_I1FN600	H N D L R P P P D F S E Y R K E S T I D P K L P A N D T I L S R K A F T Y L V L				
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UniRef90_X8JCJ6	A K R D I N V P P D F S P Y R A S S D D S N R A L S Y F M I				
UniRef90_I6R2G6	H N D L K V P P D F S N Y R R P S V K D P R R D S R S S E E A R K S F T Y L I V				
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UniRef90_G8YAJ0	A L S N Y Q H P D F S G Y L N K R P E E K N R N F T Y F M V				
UniRef90_S7QNB3	A K T E I K V P P D F S D Y R A Q S E S T N R A L S Y M M I				
UniRef90_E5S0X4	A H T D V T F P P D F D E Y R R D S T K D I K L R N E D T D V P R K M F S Y L S L				
UniRef90_Q5BAX4	A K D T L K V P P D F S K Y A S S S K K A P R S N Q V F S Y F V A				
UniRef90_O44512	A H T D V T F P P D M S N Y R R D S T K N T Q V P A R D T E D Q R R A L T A L Y Y				
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UniRef90_F4RPK8	T T V P P D Y S A Y R T S T E D S G R A F S Y L M V				
UniRef90_R7YGB7	UniRef90_R7YGB7	S T T K I P N F G Q Y R K S N R T F S Y V M V			
UniRef90_V2XGC1	V P P D F S P Y R A K D N R G G E T S N K V F Q Y F M V				
UniRef90_F2U410	A H I E T P S F D N Y K R D D S G K D L R E A D Y S R R A F T Y L L G				

QUERY UniRef90_Q4SM54 UniRef90_W5MKF8 UniRef90_C1BK32 UniRef90_A0A023F872 UniRef90_Q1W2B9 UniRef90_UPI0001CBB8A2 UniRef90_K4FY92 UniRef90_U5ERH1 UniRef90_H9GLL6 UniRef90_D6WDE2 UniRef90_C3Z0Y7 UniRef90_T1J524 UniRef90_H9JOM9 UniRef90_D3YN33 UniRef90_W4Y0P7 UniRef90_U4U4U5 UniRef90UPI0003D081B5 UniRef90_B0XCK7 UniRef90_V4B3E7 UniRef90UPI00021A6D47 UniRef90_Q5ZLR5 UniRef90_E9FW02 UniRef90_B7QKP2 UniRef90_E3TE84 UniRef90_J3RYY4 UniRef90_H9K8S9 UniRef90_V5H0F7 UniRef90_D3TR98 UniRef90_T2MF71 UniRef90_K7IQ02 UniRef90_B3RVC6 UniRef90_A0A026WKI3 UniRef90_C4WRW6 UniRef90_F4WQ83 UniRef90_A0A034WTD1 UniRef90_E2AXY1 UniRef90_T1I871 UniRef90UPI0003596358 UniRef90_Q6VBC4 UniRef90_R4WE28 UniRef90UPI000258ECE5 UniRef90_U4UCR7 UniRef90_C1BSB1 UniRef90_E2BZA7 UniRef90_G6D1W2 UniRef90_V8P4X7 UniRef90_T1G2W6 UniRef90_R7TZW0 UniRef90_F6RM20 UniRef90_A7S173 UniRef90_J1FN00 UniRef90_E9C659 UniRef90_L7M6S9 UniRef90_A0A016T509 UniRef90_G6CXK8 UniRef90_A0A026WLU2 UniRef90_E1ZW11 UniRef90_X8JCJ6 UniRef90_I6R2G6 UniRef90UPI000258F8CB UniRef90_D6X499 UniRef90_F6UA65 UniRef90_Q9VQ29 UniRef90_T1KLT0 UniRef90UPI00046B4259 UniRef90_K7J7F9 UniRef90_H3EXM1 UniRef90_Q6CI02 UniRef90_M5FS66 UniRef90_B6S371 UniRef90_A0A016UAQ2 UniRef90_F7INR1 UniRef90_H9KJD1 UniRef90_A0A024JIM4 UniRef90_V5G806 UniRef90_G8YAJ0 UniRef90_S7QNB3 UniRef90_E5S0X4 UniRef90_Q5BAX4 UniRef90_O44512 UniRef90_G1SHW0 UniRef90_U1MDQ9 UniRef90_I1CKZ5 UniRef90UPI0003F491C3 UniRef90_A2I471 UniRef90UPI00021A647A UniRef90_M7NVZ5 UniRef90_F4RPK8 UniRef90_R7YGB7 UniRef90_V2XGC1 UniRef90_F2U410

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

1 10 20 30 40

UniRef90_G4VNI0	A H T D V N V P D F T K Y R L E S T K D P Q S R A A D T E I Q R K I F S Y T M M
UniRef90_K0KQS3	S T Y R T P D F G D Y V R P Q G T D D K S R V F T Y F T V
UniRef90_C4R0S5	P D F S H Y L K K D R N A D K T R D F T Y F M V
UniRef90_W9WFW9	K I P S F K T Y E S K N S E L T N R V F Q Y F M A
UniRef90_M7XMK6	Q V P D F S K Y T K A T T P D S G R A F S Y F M V
UniRef90_C7Z6V5	K I P N F G A Y V S S G S E G K N K L Y S Y F M V
UniRef90_G7DY02	A Q S T A S V P D F S H Y T K G N T E A S G R A F S Y F M V
UniRef90_F1L749	A H T D V S F P D F D K Y R L E N T L D V V T S A R E T E N E R R A L P I A V Y
UniRef90_G1XII3	T T T I P D F S K Y K S K K S E T S N K V F G Y F M V
UniRef90_K1WVR6	K I P D F S N Y R S K S G S N P N L L I Q Y F M V
UniRef90_I4Y689	A L D T T Q V P D F S P Y R S K N T G S N K A F S Y F M V
UniRef90_F2SR13	S T Y K I P S F G K Y A S P R R E S T N K T F S Y F V V
UniRef90_N1JDD3	T T R I P N F S K Y K S A T G T N S N L V F Q Y F M V
UniRef90_C4YBB6	P D F S S Y L S N R G D Q K T K N F T Y F M V
UniRef90_G4N4E1	T Q I P D F K K Y M A P K G S S T S N A V F S Y F M V
UniRef90_G3AYM0	P D F S S Y L H N R S E S T N R N F A Y F M V
UniRef90_H2AV16	S T Y R T P D F G N V I K E E R N S D K S R I Y T Y F M V
UniRef90_UPI00044129D9	H T S V N V P D F S K Y E A K S E T T N R G L A Y L M I
UniRef90_A9UXZ8	A H L D V P S F E A V K R S D N G D Q K E A D Y S R R A F T Y L M G
UniRef90_U6NQ29	A H T D I K F P D F S Y Y R R E S T L D T Q K A A R D T E D Q R R S F H S V Y Y
UniRef90_W1Q819	P D F S H Y L N K S K G T N D K S R V Y T Y F M V
UniRef90_G0WDF8	S T Y K T P N F D D V L K E D H T N N D K S R S Y A Y F M V
UniRef90_W2S999	K I P S F K A Y R A K S P E V S N R V F Q Y F M V
UniRef90_Q6CM66	A K S T Y R T P D F G D Y I K E N N D A D K G R S Y A Y F M V
UniRef90_M7SBU0	K I P D F S K Y T G G N Y N T N L L F Q Y F M V
UniRef90_U6IX86	H T D V N V P S F D E Y R L N S T K N S K A V S A K T E V D R K I F T Y T I A
UniRef90_F1L9A3	H T D V K F P H F E D F R R R S T L D I N K A A R E S E D H R R A L P H A I Y
UniRef90_U9SXW8	Q V P D F S H Y K K N S G P N T S R A F T Y L M V
UniRef90UPI00044081C4	V P D F S H Y Q T P D F D D V L K E H G N S D K S R S Y A Y F M V
UniRef90UPI0004412691	V P D F T P Y R T S N A D S N R T L S Y F M V
UniRef90_G0VH13	A K S T Y Q T P D F D D V L K E V P N R Y S S Y K T V S E D S G R V F S Y L M V
UniRef90_J4UD48	V P D F T P Y K T S N A D S N R T L S Y F M V
UniRef90_E3L519	A K R T T K I P D F S F Q D T R E V P N R Y S S Y K T V S E D S G R V F S Y L M V
UniRef90_U4LTE1	T T R I P D F S K Y K T S G S S T Q N A L I S Y F M V
UniRef90_G0S7E0	V V P D F T P Y Q A Q S D S T N R A L S Y F M V
UniRef90_F8NL04	K V P N F G H Y M A K S S G N T N L M F Q Y F M V
UniRef90_R8BDP9	V P D F S K Y M N K K G E G K N K L F H Y F M V
UniRef90_M1WBT6	D F S S P D H Y F D D E V K A Q V G D P S K R A F T Y F M M
UniRef90_T0S9M2	V P D F S G Y R A K S T D K A K T F S Y F M V
UniRef90UPI0004560E62	I I P S F K K Y R S G S E T G N K V F Q Y F M V
UniRef90_M2LCN1	Q V P D F S N Y E A E S P T R N R N V A Y A M I
UniRef90_K5VCV0	D A Y S G K D A L P N Q G R L Q P G D P S R R A F A Y F M M
UniRef90_L1JMM3	N S T K V P D F S K Y L T A V R R D E V P D L Q E Y A A A S E S N N R A L S Y F M I
UniRef90UPI00044492C4	N S T K V P D F S K Y L S D K K P S S N A L I S Y F M V
UniRef90_B2B3E7	Q V P D F S K Y L S T Y K T P D F G D A V K K D K S T D K G R S Y A Y F M I
UniRef90_I2H2V2	U N I V D T Y E S P D R Y F E T D R L D A G D P S K R A F T Y F M L
UniRef90_M4B2Y1	U N I V D T Y E S P D R Y F E T D R L D A G D P S K R A F T Y F M L
UniRef90UPI00026590AF	A H T D I L K V P N F D H Y R P D D R K T V T K N S R E S K V S V G S Y V A G
UniRef90_V5HY13	T K P A R D T E T P R K M H S Y L I L
UniRef90_R1EHD8	T S I P T S A W K K Y R T S G G E T G T K V F Q Y F M V
UniRef90_C9WSW8	H T D I P E P D F E A Y R S N S S K Q A N V S R D K F D A K R K V Y S Y T L V
UniRef90_F0W758	D M S T P D H Y F E T D R L S S G D P S R R A F T Y F V L
UniRef90_H9IU02	H R D I E F P N F N P Y R K D Q Y K D V R K T R W G A D E K S G V T Y T I G
UniRef90_G8C1L7	H R D I E F P N F N P Y R K D Q Y K D V R K T R W G A D E K S G V T Y T I G
UniRef90_W7TQL4	H R D I E F P N F N P Y R K D Q Y K D V R K T R W G A D E K S G V T Y T I G
UniRef90_A8Q0C2	K M E S F D N Y Y E K D K L H K K P G D P N K R D F T Y F V L
UniRef90_S3BYJ7	L Q A P D F S E T R V K N P E V H R A F S Y F M I
UniRef90_F5HAS9	V P N F G D Y M S K K S G S T N A L Y G Y F M V
UniRef90_G4TRG0	V P N F E P Y K S K N P N T T R N V S Y F M V
UniRef90_B7FYB7	T D V P D F S A Y R A K N P E N G R A L S Y F M V
UniRef90_L8HIC2	I N V P D W G H Y K R E A Q E G G E S G G R A F S Y M V L
UniRef90_I2JWU8	P D F T S Y L N R S K G A N P D K S R D Y T Y F M V
UniRef90_A0A016S494	A H T D V K F P D M S Y Y R R E S T L D P E K S A R D T E D E R R A L P H A V Y
UniRef90_A0A024TUD3	D D Y S S K D Y F D D E V K A S A G D P S K R A F T Y F V L
UniRef90_M5EL95	S S T R A L D T P D F S G S R V K S P E V H R A F S Y F L I
UniRef90_K0S9J3	F T D D R I D H V A E P E R R A F T Y L L L
UniRef90_F9FBM5	S Q I P N F G K Y V S S G S E T K N K L Y S Y F M V
UniRef90UPI0002655479	S Q I P N F G K Y H C T E V L D S T K S S K K S K A R K G F S Y L L T
UniRef90_A0A017RZH8	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_K3WIU0	T L K I P E F G R K Y A S H K P V R S N Q V F A Y F M V
UniRef90UPI000273D26A	H T D V T F P K Y D G E R T N A A S D S T K A A R D T E D L R R A T A Q L L F
UniRef90_E1G9W1	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_C1MT06	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_I0Z7G8	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_B6JW32	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_K5Y5S8	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_M1VJ85	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_A0A059LS34	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_C5FM53	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_R7QDK5	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_W1NN60	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_B8LMH0	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_W2TG87	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_W71FK6	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_E4XVY1	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_E0VVK7	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_A0A059D9D6	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_Q9SMH6	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_D3BHJ9	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_F0XWP5	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_Q8LD84	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T
UniRef90_A0A059APY9	U N I V D T D I K V P A F S G X H L T E V S V S T E S S K E S S K A R K G F S Y L L T

50 60

UniRef90_G4VNI0	F A T A M I A T T S A K Y T V R M F I E P L G P S
UniRef90_K0KQS3	G S L G L L S A A G A K S T V E A F L T T M S A S A D V L
UniRef90_C4R0S5	G S F G L L S A A G A K S T V E S F L S T M S A S A D V L
UniRef90_W9WFW9	G S M G L L A A A G A K N T V Q D F L E N M S A S A D V L
UniRef90_M7XMK6	G T M G L V T A A G A K S T V T D F L T N M S A S S D V L
UniRef90_C7Z6V5	G A L G A V S A A G A K S T V Q E F L V N M S A S A D V L
UniRef90_G7DY02	G T F G L L T A A G A K S L V S D F L A N M A A S A D V L
UniRef90_F1L749	G V G G V M S L L V A K E A V Q T M V S F K A M A A D
UniRef90_G1XII3	G T L G A L S A T S A K A T V Q D F L V N M S A S A D V L
UniRef90_K1WVR6	G T M G A L T A A G A K A T V Q D F L V N M S A S A D V L
UniRef90_I4Y689	G S M G L L S S A G A K A T V T D I L S N L S A S A D V L
UniRef90_F2SR13	G S M G M M T A V G A K A T V Q D F L L N M S A S A D V L
UniRef90_N1JDD3	G T M G A L T A A G A K A T V Q D F L V N M S A S A D V L
UniRef90_C4YBB6	G S M G L L S A A G A K S T V E A F L S S M S A S A D V L
UniRef90_G4N4E1	G A M G A I S A A G A K S T V Q E F L V N M S A S A D V L
UniRef90_G3AYM0	G S M G L L S S A A G A K S T V E T F L S S M S A S A D V L
UniRef90_H2AV16	G S L G L L S S A G A K S T V E T F L I S S M S A S A D V L
UniRef90UPI00044129D9	G S L G L L S S A S A A K S T V T E F L A T M S A S A D V L
UniRef90_A9UXZ8	A G G A I A T A Q L A K S M V Q D F L D T M S A S A D V L
UniRef90_U6NQ29	G A G G A M A L W A A K E I N L I N V K F K W I P A D
UniRef90_W1Q819	G S Y G L I S A A A A A K S T V E A F L T T M S A S A D V L
UniRef90_G0WDF8	G S L G L L S S A G A K S T V E T F I S S M S A S A D V L
UniRef90_W2S999	G S M G L L T A A G A K A T V Q D F L V N M S A S A D V L
UniRef90_Q6CM66	G S L G L L S S A G A K S T V E T F I A S M S A S A D V L
UniRef90_M7SBU0	G T M G A I T A A G A K S T V Q E F L K N M S A S A D V L
UniRef90_U6IX86	F A G T V L A T T S A K F A V K T L V Q T L G P S A S T L
UniRef90_F1L9A3	G V G G V M T L L T A K E S I Q A L V A F K G M A A D
UniRef90_U9SXW8	G A T G A L T A A G A K S A F V T D F L A N L S A S A D V L
UniRef90UPI00044081C4	G G M G L L S A S V A K S T V T E F L G T M S A S A D V L
UniRef90UPI0004412691	G S M G I V A A S A A K S S V T E F L G S M A A S A D V L
UniRef90_G0VH13	G S M G L L S S A G A K S T V E T F I S S M S A S S D V L
UniRef90_J4UD48	G T L G A L A A S G A K S T V T D I L S N M A A S A D V L
UniRef90_E3L519	G S M G L V T A S G A K S L V S D F L T N L S A S A D V L
UniRef90_U4LTE1	G T M G A L S A A G A K A T V Q D F L V N M S A S A D V L
UniRef90_G0S7E0	G T L G A I S A A G A K S T V Q E F L V N M S A S A D V L
UniRef90_F8NL04	G S L G V L S A S V A K S T V T G F L E T M S A S A D V L
UniRef90_R8BPD9	G T L G A I T A A G A K S T I Q E F L K N M S A S A D I L
UniRef90_M1WBT6	G T M G A L S A A G A K S A V H E F L V N L S A S A D V L
UniRef90_T0S9M2	G G A R V A Y A T A A R L A V L K F V G T M S A S A D V L
UniRef90UPI0004560E62	G S M G L I A A S G A K S L V S D F L L A S M G A S S D V L
UniRef90_M2LCN1	G A F G G L S A S G A K D T V Q N F L V N M S A S A D V L
UniRef90_K5VC0	G T M G V L S A S V A K S T V T E F L L A S M S A S A D V L
UniRef90_L1JMM3	G T A R F F Y A S A A R L A V L K F V H Y M N A A S A D V L
UniRef90UPI00044492C4	G S M G L I T A S V A K S T V T E F L Q T M S A S A D V L
UniRef90_B2B3E7	G T L G A I T A G G A K S T I Q E F L V N M S A S A D V L
UniRef90_I2H2V2	G S L G M L S A A G G K S T V E T F L G S M S A S A D V L
UniRef90_M4B2Y1	G G A R V A Y A T A A R L A V V K F V G S M S A S A D V L
UniRef90UPI00026590AF	A A V G V V A G L Y S A K N T V A F F V E A M A A S A D I L
UniRef90_V5HY13	G A G A L G A T Y A A K S L V T Q F V M A L S A S A D V L
UniRef90_R1EHD8	G S M G A L S A M G A K N T V Q D F L V N M S A S A D V L
UniRef90_C9WSW8	G G A S A A T V Y M G K E I V Q D L V G Y L
UniRef90_F0W758	G G A R I M Y A T A A R L A V I K F V G S M S A S A D V L
UniRef90_H9IU02	F F G L L C G S Y A V K S E L V H F I S Y M
UniRef90_G8C1L7	G S L G L L S S V G A K S T V E T F I V S S M S A S S D I L
UniRef90_W7TQL4	G G A R F I Y A S A A R L V A L K F V S T M S A S A D V L
UniRef90_A8Q0C2	G T F G A V S A A S A R S T V T N F L I S T M S A S S D V L
UniRef90_S3BYJ7	G A M G A L S A A G A K S T I Q E F L V N M S A S A D V L
UniRef90_F5HAS9	G A L G A L G A S S V K S T A V D M L S N M A A S A D V L
UniRef90_G4TRG0	G S L G L L S A S M A K A S I T N F L A T M S A S A D V L
UniRef90_B7FYB7	S S V R F A Y A S A A R L L V V K F V A S M S A S A D V L
UniRef90_L8HIC2	G T A G V G Y A A A A A K H T V I K F L D S M N P A A N V
UniRef90_I2JWU8	G A Y G V L G A A A A A K S T V D V F L I S T X S A S A D V L
UniRef90_A0A016S494	Y G A L I
UniRef90_A0A024TUD3	G G S R I A Y A T A A R L A V I K F V G S I S A S A D V L
UniRef90_M5EL95	G S F G A I S A A S A R S T V T N F L I S T M S A S S D V L
UniRef90_K0SJ93	S G V R F A Y A S A A R T V L V V K F V V S S M S A S A D V L
UniRef90_F9FBM5	G A L G A V S A A G A K S T V Q E F L V N M S A S A D V L
UniRef90UPI0002655479	A I A T V A H A A D S V F P Q F V P P S T R A S A D V L
UniRef90_A0A017RZH8	G T L G L I S A A G A K A T L H D F L V N M S A S A D V L
UniRef90_K3WIU0	G G A R V A Y A T A A R L A V I K F V G S M S A S A D V L
UniRef90UPI000273D26A	A T A T V A Y G A N N V F P X F V P S V R A S A E V L
UniRef90_E1G9W1	G V I N G A V Y L Y M A T K F V Q S L V T Y K S M P A D Q L
UniRef90_C1MT06	T G G R M V Y A S A L R L T V L K F I L S M S A S A D V L
UniRef90_I0Z7G8	T G G R F I Y A S A L R L A V L K F I L S M S A S K D V L
UniRef90_B6JW32	G A L G A L T A A G A Q A T V H D F L S S W S A S A D V L
UniRef90_K5Y5S8	G S L G V L S A S V A K S S V S E F L Q T M A A S A D V L
UniRef90_M1VJ85	G S A K L V A A S A V R V V L L K F I Y T M S A S A D V L
UniRef90_A0A059LS34	T G G R F I G A S A V R L A V L K F I L S M S A S K D V L
UniRef90_C5FM53	G T M G M M T A V G A K A T V Q D F L L N M S A S A D V L
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UniRef90_W1NN60	A G G R F I Y A S F I R L L V L K F I L S M S A S K D V L
UniRef90_B8LMH0	T G G R F V Y A S F I R L M V L K F I L S M S A S K D V L
UniRef90_W2TG87	G A G G G M M A L W A A K E S I Q V S V I F K G M A A D
UniRef90_W7IFK6	G S M G A L S A A A G A K A T I Q D F L V N M S A S A D V L
UniRef90_E4XVY1	V A I N A A V T W G V A N F V L N A V N I L N P S K D V L
UniRef90_E0VVK7	A V G G A A V A Y A A K S L A V R A A F I S P S A D V M
UniRef90_A0A059D9D6	S G G R F V Y A S V I R L L V L K F V L S M S A S K D V L
UniRef90_Q9SMH6	G S A R F A Y M A W T R V A V L K V I S T M S A S A D V L
UniRef90_D3BHJ9	G G A A T G L A A M A K N T V V S A L I S T M A P G Q D I L
UniRef90_F0XWP5	G S N K F I Y A S A V R I G A L K F I A T M S A S K D V L
UniRef90_Q8LD84	S G G R F V Y A S V L R L L V L K L I V S M S A S K D V L
UniRef90_A0A059APY9	T G G R F V Y A S L V R L L I K F V L S M S A S K D V L

UniRef90_A8N185	G S M G V I S A S A A K S S V S E F L Q T M A A S A D V L
UniRef90_U1GH68	G S M G L A A A G A K A T V Q D F L V S M S A S A D V L
UniRef90_F4PZ00	G A A A S G L A A M A K N T V V S A L S T M A P G Q D I L
UniRef90_A9RGR5	T G G R F I Y A S A L R I L A L K L I L S M S A S R D V L
UniRef90_Q2H1Z4	G T L G A I S A A G A K S T I Q
UniRef90_A0A044V429	G G G A T Y L L M A T K L I Q S F A Y F K N P G D Q L
UniRef90_D8R184	T G T R F V Y A A A L R V F I L R L V M T M S A S A D V M
UniRef90_D7FK16	G A S R F L Y A S S A R L I L L K F L A S W E P A A D V M
UniRef90_R1DHA4	G G A K F I S A S A W R L C L I K F L A Q M N P A A D V L
UniRef90_A8Q8J0	G G G A I Y L M M A T K L V Q T A V H F K N M P S D
UniRef90_E1G4E1	G V G G A I Y L M M T T K L V Q T V A Y F K N M P A D
UniRef90_Q8HEB4	T G G R F L Y A S A A R L A V L K I V M S L S A A A D T M
UniRef90_A9SWH8	T I G R C M L A A G L R L F A C K V I L S M S A S K D V L
UniRef90_A0A058Z139	G S A S F V A A A S V K N L V T D F L A A P P A S
UniRef90_Q4R0Y2	T G G R F V Y A S A A R L A I I K V L M T L S A A A D T M
UniRef90_D2V6S6	N S S R F V V A A G L R L A V L R F L Y S W S A A A D V L

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