

QUERY	1	10	20	30	40
UniRef90_G3U8J5	RT	SKAKG	PR	EL	SKK
UniRef90_H2NMH9	KT	SKAKGQ	RE	QV	TL
UniRef90_S7N369	KE	VLQ	RAD	P	KT
UniRef90_P01857					
UniRef90_L8B0V2					
UniRef90_UPI0001BE650A					
UniRef90_M3Y619					
UniRef90_L8B0V6					
UniRef90_G3TWP5					
UniRef90_D2I829					
UniRef90_Q4VBH1					
UniRef90_UPI00033165C8					
UniRef90_M3X9P4					
UniRef90_P13753					
UniRef90_Q2HPN1					
UniRef90_UPI0003291E16					
UniRef90_UPI0003AF951C					
UniRef90_UPI0003339BF8					
UniRef90_UPI00038BCCCC0					
UniRef90_UPI0003344087					
UniRef90_UPI00032B1136					
UniRef90_Q95559					
UniRef90_F1LN61					
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UniRef90_G3HQ2					
UniRef90_P18470					
UniRef90_Q85ZW5					
UniRef90_Q0R0B7					
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UniRef90_UPI000387215F					
UniRef90_UPI0003330ECE					
UniRef90_UPI000359AE49					
UniRef90_UPI0003F0F5E6					
UniRef90_B6SDC4					
UniRef90_UPI00038E9598					
UniRef90_G1SHP0					
UniRef90_K9J5C3					
UniRef90_P06341					
UniRef90_Q38RB7					
UniRef90_G3VJJ0					
UniRef90_Q91WR1					
UniRef90_Q6GPX4					
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UniRef90_H0VMA0					
UniRef90_H0VAL4					
UniRef90_P14483					
UniRef90_A9UMG6					
UniRef90_K7ZRK0					
UniRef90_UPI0002C2F6AB					
UniRef90_F6W3M2					
UniRef90_P20761					
UniRef90_UPI000328F820					
UniRef90_H9GZU9					
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UniRef90_F6UMA6					
UniRef90_L7N2R1					
UniRef90_H9GZV0					
UniRef90_UPI00022368CF					
UniRef90_C1JEH9					
UniRef90_W5NQQ6					
UniRef90_H0V169					
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UniRef90_W5LWVG8					
UniRef90_Q8VY24					

50 60 70 80

QUERY P A D I N V E W D S S E P S D Y K N T P P V F D T D G S F F L Y S R L K V D T 80
UniRef90_G3U8J5 Q D N L E V S W F V D G E Q V H K T S V Q E E Q S F N S T Y R V V S A L P I T Q Q
UniRef90_H2NMH9 P S D I S A V E W S G G G Q E P E Q T Q D T P P V L D S D G T F F L Y S K L T V D K S
UniRef90_S7N369 P A D I S L S W Q R D G E E Q T Q D T E F R P A G D G T F Q K W A A L V V P R G
UniRef90_P01857 H E D P E V K F N W Y V D H N A K T K P R E E Q Y N S T Y R V V S V L T V L H Q
UniRef90_L8B0V2 P E D V I T V T W N S G A L S R V V H T F P S V L Q P S G L Y S L S M V I V A A
UniRef90_Uni0001BE650A P E D I T V E W Q W N G Q E N Y K N T Q P I M D T D G S Y F V Y S K L N V Q K A
UniRef90_M3Y619 P P D I D V E W Q S N P E A S V R T T P P Q L D A D G S Y F L Y S K L S V D K A
UniRef90_L8B0V6 P E D V I T V T W N S G A L T S G V H T F P S V Q P S G L Y S L S S M V T V P A S
UniRef90_G3TWP5 P S D I D V T W Q R N Q Q P S E Y E N T F P Q L E A D G T F F L Y S K L T M P K D
UniRef90_D2I829 P E P V T V S W N S G S V I T T F P S V L Q S D S G L Y S L S S M V T V P S S
UniRef90_Q4VBH1 P P D I Y V E W Q M N P Q E E N Y K N T P P T M D T D G S Y F L Y S K L N V K K E
UniRef90_Uni00033165C8 P D Q V N V R W F R N E Q E E V V S T P L I R N G D W S F Q I I V M L E M T P
UniRef90_M3X9P4 P P D I A V E W Q P E P E N N Y R T T P P Q L D S D G T Y F L Y S R L S V D R S
UniRef90_P13753 P E E I S L T W Q R D Q T Q D M E L V E T R P S G D G T F Q K W A A L V V P S G G
UniRef90_Q2HPN1 P A E I T L T W Q R D G E D Q T Q D T E L R P A G D R T F Q K W A A V V V P S G
UniRef90_Uni0003291E16 P A E I S L T W Q R D G E D Q T Q D M E F R P A G D G T F Q K W A A V E V P S G
UniRef90_Uni0003AF951C P E E I S L T W Q F H D G E D Q C Q D M E L R P S G D G T F Q K W A A L V V P S G
UniRef90_Uni0003339BF8 P A Q L R V Q W F R N G Q E G V V S T S L I R N G D W T F Q I I V M L E M T P
UniRef90_Uni00038BCCC0 K E N A T V T W T Q E H P V G S A V Q S S I R H K N A T I S I T S T I P V D A N
UniRef90_Uni0003344087 P A E I T L T W R N N L T Q D M E L V D T R P G G D G T F Q K W A A V V V P S G G
UniRef90_Uni00032B1136 P K D I T L T W H R D G E D M E L V E T R P A G D G T F Q K W A A V V V P S G
UniRef90_Q95559 P A E I S I T W Q R D G E E Q T Q D M E L R P S G D G T F Q K W A S L V V P S G
UniRef90_F1LN61 P E P V T V T W N S G A L S S G V H T F P A V L Q S G L Y T L T S S V T V P S
UniRef90_Uni00034FCB2D P G S I E V R W F L N G Q E E G V V S T N L M R N G D W T F Q I L V M L E M T P
UniRef90_G3HQ2 P G D I K V R W F R N G Q E E V M S T G L V R N G D W T F Q M T V M L E M T P E
UniRef90_P18470 P G H I E V R W L R N G Q E E V V S T G L I R N G D W T F Q I L V M L E I V P
UniRef90_Q85ZW5 P A D I T M T W K R N H T Q D M E L P D T R P A G D G T F Q K W A A V V V P P G
UniRef90_Q0R0B7 P A E I T L T W Q H D L T Q D M E L V E T R P A G D G T F Q K W A T V V V P S G
UniRef90_Uni000328FDD3 P A E I T L T W Q R D R E D Q T Q D M E F R P A G D G T F Q K W A A V E V L S G
UniRef90_Uni000333DC38 P E E I T L S W Q R D G Q D L T Q D M Q L R P D G S G T F Q K W A A V V V P P G
UniRef90_Uni0003502250 P K D V T V A W K A D V T Q G V Q T T Q P S K Q S N N K Y M A S S Y L T M T P D
UniRef90_Uni00033194DE T D Q I N V T W L V D E Q E S S S I T P P L K Q E D G L S T Y S E V N I T Q G E
UniRef90_E2RE31 P P D V F V Q W L K Q G Q P V P P D S M P E P Q A P G L Y F V H S I L T V S E
UniRef90_Uni000388B30B P P A L S V T W L K N G Q E G V S E T D F Y P R P D D S F R K F S Y L P F L P S
UniRef90_Uni0002C68DB5 P P D I N V E W Q S N G Q E E K Y S T T P P Q R E A D G S Y F L Y S K L S V E T N
UniRef90_Uni000387215F P E N V Q V Q W L K N H P D E D Y V T T P P L R D N D S T F F V Y S K M M V K A
UniRef90_Uni0003330ECE P G A I E V R W F L N G Q E E V V S T G L I Q N G D W T F Q T L V M L E M I P
UniRef90_Uni000359AE49 S A D I L T L T W Q R D G E D Q T Q D M E L R P S G D G T F Q K W A A V V V P S G
UniRef90_Uni0003F0F5E6 P A E I T L T W R Q D G E D R T Q D T E L I E T G D G T F Q K W A A I V V L S G
UniRef90_B6SDC4 P S N I E V R W L H N G H E E V V S T G L V Y N G D W T F Q I M V M L E M T P
UniRef90_Uni00038E9598 P P V I R V T W L R N G H E E V A Q T S F Y S Q P D H S F C K F H Y L T F V P
UniRef90_G1SHP0 P G D I R V K W L R N G Q E E I A M S T G L I R N G D W T F Q T T E M L E M T P E
UniRef90_K9J5C3 P S D I T L T W Q R D R E Q D M E F V E T R P A G D G T F Q K W A A V A M P P G
UniRef90_P06341 P A Q I K V R W F R N G Q E E V V S T Q L I K N G D W T F Q I L V M L E M T P
UniRef90_Q38RB7 P A E I T L S W H Q D E E D L T Q D T E L R P A G D G T F Q K W A A V V V P S G
UniRef90_G3VJJ0 P A E L S L T W L R D G E E Q H Q D T E F I E T G D G T F Q K W A A V E V T S G
UniRef90_Q91WR1 S G T M N V T W K S G K D I T V N V P P A L A S G G R Y T M S S Q L T L P A V
UniRef90_Q6GPX4 H G Q I K V K W L V N G K Q D T V S N P T P S K T E D G Y S S S Q L R I L K G
UniRef90_Uni0003C88E47 P S Q I K V R W F R N G Q E E V V S T P L I K N G D W T Y Q I L V M L E M T P
UniRef90_H0VMA0 P P V L N V T W L Q N G Q E E G A S E S I F L S R T D Y N F H K F H Y L T F L P N
UniRef90_H0VAL4 P K D I S L T W Q Q D G Q E L T Q E V E T R P D G N G T F Q K W A A V M V P S G
UniRef90_P14483 P A K I K V R W F R N G Q E E V S T Q L I R N G D W T F Q V L V M L E M T P
UniRef90_A9UMG6 A D P L E I Q W N D G S I T T G I K T M G P V L S D G L Y T L S S Q L T I L A S
UniRef90_K7ZRK0 P K D V L V R W L Q G G Q E L P R D K Y L V W E S I P T Y A V T S Q L R V D A E
UniRef90_Uni0002C2F6AB P A D I S V Q W L R N H T I T R P H K V R S P N P D F S Y I Y S H L V V R R A
UniRef90_F6W3M2 T Y D V T I T W T R Q N G E K T H T N I S E S H P N G T F S A V I G E A S I C E D
UniRef90_P20761 P E P V T V T W N S G A L S S D V H T F P A V L Q S G L Y T L T S S V T S S T W
UniRef90_Uni000328F820 P G S I E V R W L R N G Q E E V V S T G L I R N G D W T F Q I L V M L E A V P
UniRef90_H9GZU9 P P E I D V E W Q S N E H P E Y S T T P A Q L N S D G S Y F L Y S K L S V E T S
UniRef90_G1QA26 P P V I N I S W L S N G H Q G V S E T S F L S K R D H S F L K I S Y L T F L P S
UniRef90_L5LIR9 P G H I E V R W L R N G Q E E G V V S T G L I R N G D W T F Q I L V M L E T V P
UniRef90_F6UMA6 P A E I S L T W L R D G E E Q L Q D T E F I E T G D G T F Q K W A A V A M A P G
UniRef90_L7N2R1 P K E I F V Q W M Q G E D K F V N T V A M K N D D E Q T Y F L Y S K L T I P A A
UniRef90_H9GZV0 P G D I D I V W L T D G Q E E Q F P Q H G L V K Q E G K L A S T H S E L N I T Q G
UniRef90_Uni00022368CF P G S I E I R W F R N G Q E E T V S T D L I R N G D W T F Q I L V M L E M T P
UniRef90_C1JEH9 P A E I E V K W F K N G Q E E V V S T D V I Q N G D W T Y Q V L V M L E T T P
UniRef90_W5NQQ6 P E I S L T W Q H D G E D L T Q D T E L R P S G D R S F Q K W A A L V V P S G
UniRef90_H0V169 P G H I E V T W F R N G Q E E G V V S T G L I Q N G D W T F Q I L V M L E T V P
UniRef90_I3Y513 P R E I K V T W L R N V T A D V S S E L L H N G D W T Y Q I H S Y L E L T P
UniRef90_G3I63 P G H I E V R W F R N D Q E E V V S T G L I Q N G D W T F Q I L V M L E T V P
UniRef90_G7MWV9 P A D I F V Q W M Q R G Q P L S P E P M P E P Q A P G R Y F A H S L T V S E E
UniRef90_Uni00026554CE P A E I T L T W Q K D G E D Q T Q D A E L R P A G D G T F Q K W A A V V V P S G
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UniRef90_Uni00038C37C P S D I T L T W Q L D E T Q D M E L V E T R P A G D G T F Q K W A A V V V P S G
UniRef90_Q6MFZ9 P A D I T L T W K R N L T Q D M E L V E T R P A G D E T F Q K W A A V V V P S G
UniRef90_F6VX17 P A N I L T L T W Q W D E E D L T Q D M D L I E T G D G T F Q K W A S V V V P S G
UniRef90_P20037 P P V I N I T W L R N S T E G V Y E T S F L I N S D Y S F H K M A Y L T F I P S
UniRef90_Uni00032AE211 P G S I R V R W F N E E E E V V S T G L I R N G D W T F Q T L V M L E T V P E
UniRef90_F1LM30 P K Q I T V S W L Q D F T T E P V T V E A K G S R P Q T Y K V I S T L T I T E S
UniRef90_P04221 P K Q L S V S W L R D G Q K V E V E A E T K G A G P A T F S I S S M L T I T E S
UniRef90_L5JR68 S V D M S L S K W S R E G E D L V D T E V P K H H F N M T Y T V T S T L V D A D
UniRef90_U5QAS2 P P A I N L S W I K N G K E E V M S T E M L Q N G D W T Y Q I H L F L E T T P E
UniRef90_Q6IR66 P E T I S F T W G D K N N A S Y S T G K P V M Q S S G T Y S A S S Q V N V A S A
UniRef90_K9IWW7 P G A V T V A W K E N V S G G V E T T K P S K Q S N N K Y V A S S Y L S M S A S
UniRef90_D2I7S2 P Q Q I S V S W L R D I D T G R V E A D D K V S G V V T Y K V L S M L T I T E S
UniRef90_L5MGL4 S L E L Q W S W K G G A P L T G A T Q S I K H H F N M T Y S V T S T L P V D A N
UniRef90_Uni0003C10936 P P V I N V T W L R N G Q G V I T Q T S F Y A Q P D H S F R K F H Y L T F V P L
UniRef90_I3M685 P G T V M V A W K A N I T Q G V E T T Q S S K Q R N N K Y M A S S Y L T V T P D
UniRef90_F2WVG7 P A D I T L T W Q L R D G E E L T Q D M E L R P A E N G T F Q K W A S V V V P L G
UniRef90_W5LWG8 P Q R I T V T W L R N G D L E D V I T S D L L A N G D W T Y Q V H S H L E L T P
UniRef90_Q8VY24 P K D V L V R W L Q G S Q E L P R E K Y L T W A S R Q T F A V T S L R V A A E

QUERY	A	W	N	N	G	E	S	F	T	C	S	V	M	H	E	A	L	P	N	H	V	I	Q	K	S	I	S	R	S	P	G		
UniRef90_G3U8J5	D	W	L	K	G	K	E	F	K	C	S	V	N	N	S	A	L	P	T	P	V	I	E	K	V	I	S	K	A	K	G		
UniRef90_H2NMH9	R	W	Q	Q	G	N	I	F	S	C	S	V	M	H	E	A	L	H	N	H	Y	T	Q	K	S	L	S	L	S	P			
UniRef90_S7N369	E	E	Q	R			Y	T		C	S	V	Q	H	E	G	L	P	E	P	L	T	L	R	W								
UniRef90_P01857	D	W	L	N	G	K	E	Y	K	C	K	V	S	N	K	A	L	P	A	P	I	E	K	T	I	S	K	A	K	G			
UniRef90_L8B0V2	S	S	L	S	T	L	S	Y	T	C	N	V	Y	H	P	A	T	N	T	K	V	D	K	R									
UniRef90_UPI0001BE650A	N	W	E	A	G	N	T	F	T	C	S	V	L	H	E	G	L	H	N	H	H	T	E	K	S	L	S	H	S	P	G		
UniRef90_M3Y619	H	W	Q	R	G	D	T	F	T	C	A	V	L	H	E	A	L	H	N	H	H	T	Q	K	S	L	S	K	S	P			
UniRef90_L8B0V6	S	L	S	S		K	S	Y	T	C	N	V	N	H	P	A	T	T	T	K	V	D	K	R									
UniRef90_G3TWP5	R	W	Q	H	G	D	I	F	T	C	V	V	L	H	E	A	L	H	N	H	Y	I	Q	K	S	I	S	L	S	P			
UniRef90_D2I829	R	W	P	S		D	T	F	T	C	T	V	A	H	P	A	S	N	T	K	V	I	E	K	T	V	P	K					
UniRef90_Q4VBH1	K	W	Q	Q	G	N	T	F	T	C	S	V	L	H	E	G	L	H	N	H	H	T	E	K	S	L	S	H	S	P	G		
UniRef90_UPI00033165C8					Q	R	G	D	V	Y	T	C	Q	V	E	H	P	S	L	E	T	P	I	T	V	E	W	R	A	Q	S		
UniRef90_M3X9P4	H	W	Q	R	G	N	T	Y	T	C	S	V	S	H	E	A	L	H	S	H	H	T	Q	K	S	L	T	Q	S	P			
UniRef90_P13753	E	E	E	Q	R			Y	T	C	R	V	Q	H	E	G	L	Q	E	P	L	T	L	R	W	E							
UniRef90_Q2HPN1	E	E	E	Q	R			Y	T	C	R	V	Q	H	E	G	L	P	K	P	L	T	L	R	W	E							
UniRef90_UPI0003291E16	E	E				E	R	Y	T	C	H	V	Q	H	E	G	L	P	E	P	L	T	L	R	W	E							
UniRef90_UPI0003AF951C	E	E	Q	R			Y	T		C	H	V	Q	H	E	G	L	Q	E	P	L	T	L	R	W	E	P						
UniRef90_UPI0003339BF8					Q	R	G	D	V	Y	T	C	H	V	E	H	S	L	Q	S	P	I	T	V	E	W	R	A	Q	S			
UniRef90_UPI00038BCCCC0	D	W	I	E	G	K	G	Y	K	C	E	V	N	H	P	H	L	P	K	P	I	V	R	S	I	S	K	A	P	G			
UniRef90_UPI0003344087	E	E	E	Q	R			Y	T	C	H	V	Q	H	E	G	L	P	E	P	R	V	L	R	W	E	P						
UniRef90_UPI00032B1136	E	E	E	Q	R			Y	T	C	Y	V	E	H	E	G	L	P	E	P	L	T	L	R	W	E	P						
UniRef90_Q95559	E	E	E	Q	R			Y	T	C	H	V	H	H	E	G	L	K	Q	P	L	T	L	R	W	E							
UniRef90_F1LN61	T	W	S	S		Q	A	V	I	T	C	N	V	A	H	P	A	S	S	T	K	V	D	K	K	I	V	P	R				
UniRef90_UPI00034FCB2D					Q	Q	G	D	V	Y	T	C	H	V	E	H	P	S	L	D	G	P	V	T	V	E	W	K	A	Q	S		
UniRef90_G3HQT2	L				G	D	T	Y	S	C	L	V	E	H	P	S	L	E	S	P	V	S	V	E	W	M	A	Q	S				
UniRef90_P18470				Q	S	G	E	V	I	T	C	Q	V	E	H	P	S	L	T	S	P	V	T	V	E	W	R	A	Q	S			
UniRef90_Q85ZW5	E	E	L	R			Y	T		C	H	V	N	H	E	G	L	P	G	P	L	T	L	R	W	E							
UniRef90_Q0R0B7	E	E	E	Q	S			Y	T	C	R	V	Q	H	E	G	L	P	E	P	V	I	L	R	W	E	P						
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UniRef90_UPI000333DC38	E	E	E	Q	K			Y	T	C	R	V	Q	H	E	G	L	P	E	P	R	T	L	R	W	E	L	P	S				
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UniRef90_W5NQQ6	E	E	Q	R			Y	T		C	H	V	Q	H	K	G	L	Q	E	P	L	T	L	K	W	E							
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1 10 20 30 40

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[illegible]

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UniRef90_F7FNX2 P S S I L L R W V K D G E K G L W S S G T L P N A D D T F Y L R Q T L E L R A E
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