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 P H L A S G K V V R D L Y E V D D E T L L L V A S D D R I I L S S A A
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UniRef90_UPI0003C7ED87 P A D D L R P G G P Q P S S Y D K Q F L R D W L G W D R A S D T P P P P L P A D V I
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UniRef90_UPI000410786F D A G L W E P G K A Q P S S F D D K Q Y V R D W L T W D K A S D T A P P P P L P A D V I
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UniRef90_M2YFF3 D A E T W Q P G R S Q P S S F D D K Q Y V R D W L H S E W N G E G L A P P P P L P A D V I
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UniRef90_UPI000050F7C1 D A E S Y E A G Q A Q A S F D D K Q F V R D W L T W D K S S D T P P P P L P A E V I
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QUERY	290	300
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UniRef90_C7MPL4	V Q K T S E K Y I Q A Y E L I T	T G T S F Q
UniRef90_R5G1B1	I K K T S E K Y I Q A Y E K I T	T G K A F
UniRef90_C1D5P0	A Q K T A D K Y R E A L V R L T	A G
UniRef90_UPI0003733CF6	I A K T S E K Y R E A L E R R L	T G Q K
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UniRef90_W6MX25	E K R T A E K Y I E A Y E A L T	T G E K W
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UniRef90_I4WFX9	I A R T R A K Y A E A L Q R L A G	A G
UniRef90_D6SMA3	I N E T T K K Y L L A Y K L L T	T G K
UniRef90_UPI00047E799F	I D K T L A K Y R E A F A L L T	T
UniRef90_UPI0003B3B92B	V E A T R K R Y I E A Y E R L T	T G E S F A
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UniRef90_UPI00037069D0	A E K T A D K Y R E A L T R L T	T
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UniRef90_E6PWH7	L D G T A A K Y R E A L E R I T T G	T G
UniRef90_F0SMP5	V A N T A A K Y R E A Y Q L L T	T G R E F
UniRef90_V8FZS1	L E K T A A K Y R E A L D R L R G	T G
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UniRef90_Q47KH4	V E H T R A R Y I E V F E R L T T G	T G Q T
UniRef90_UPI0003C7ED87	V E R T R A R Y I E A Y E R L T T G	T G R F
UniRef90_UPI00035F5C40	A Q R T S D K Y M E A F A K L T T G	T G R T
UniRef90_UPI000429BFCC	V A A T R A R Y I Q A Y E Q V T T G	T G R K F A
UniRef90_I4EF20	V A E T A A K Y R E A Y E R I T T G	T G R P
UniRef90_D5MM37	V R R T R A K Y Q E A L R R L T T G	T G
UniRef90_G2FFS6	I N K T A E K Y R E A E R Q L T T G	T G
UniRef90_Q5B3Z1	A Q K T S E K Y R E A W E R I T T G	T G
UniRef90_UPI00037636D1	I L R T S E K Y L E A L K R L T T T G	T G
UniRef90_UPI0002EF3D42	I E K T S A R Y I E A F E R I T T G	T G D T F
UniRef90_W6MOC3	V A R T V A K Y R E A L E R L T T G	T G
UniRef90_UPI000363BEA0	V A T T R Q R Y V T A Y E R I T T G	T G R S L A
UniRef90_F8C5Z7	V E K T R A K Y F E A L Y R L T T G	T G K T
UniRef90_H6MTY1	V T R T R Q R Y I E A Y E W I S Q	T G K S F A
UniRef90_A1V FH9	I A E T R K K Y L E A Y E I L T T G	T G R T L S
UniRef90_UPI000367A8EE	V E R T R Q R Y L E A Y E R I T T G	T G V P F S
UniRef90_F9XQ30	V R E T G E K Y R E A F E R I T T G	T G R E W
UniRef90_G0W4R1	I E K T R A K Y E E A Y E S L T T	T G
UniRef90_E1QXJ5	V E G T S R R Y Q E A F E I T T G	T G E K F
UniRef90_B8HFV4	V D R T R S R Y V E A Y E K I T T G	T G R T F A
UniRef90_H1G1V4	V K Q V A D R Y R E A L E R L T T G	T G S
UniRef90_A0A024YQQ3	V A Q T R A K Y I E A Y E R L T T G	T G L D W S
UniRef90_Q9C1J4	A I K S K E K Y L E A Y E A I T T G	T G K K W A
UniRef90_Q0F1D5	A E K T S A K Y A E A L A R L T T	T G
UniRef90_B9CLP7	I E G T S K R Y Q T A F E I T T G	T G T K F
UniRef90_U1HG62	V A A T R A K Y I E A W S R L A G	A G
UniRef90_R5E247	L D K T S S K Y E E A L I R L T T G	T G K
UniRef90_UPI000362F178	V E R T R T R Y I E A F E R L T T G	T G E R F
UniRef90_UPI0004763185	V E R T R A A Y V D A Y E R L T T G	T G Q T F S
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UniRef90_D3Q8N2	V A A T R A K Y I E A Y E R I T T G	T G L T W
UniRef90_UPI0002EAB793	V D A T R E R Y T E A Y R L L T T G	T G T A W
UniRef90_R7YPR5	A E R T A R G Y R E A Y E R L T T G	T G E
UniRef90_A8LCN0	V E E T R A R Y V E A Y E R L T T G	T G I S F
UniRef90_D1CG72	V E A T R Q R Y L E A Y R M L T T G	T G K E
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UniRef90_A6C1A7	V M K T R E K Y F E A F Q M L T T G	T G Q
UniRef90_R8BHJ9	A Q A T S E R Y Q D A F R R L T T G	T G K T
UniRef90_S0FPE9	I R K T E A K Y I E A Y E K I T T G	T G Q K F
UniRef90_U2FYJ3	V A A T R A R Y I E A Y E R L S G	T G A Q F S
UniRef90_C5CCY1	V A K T R D R Y V E A Y E R L T T G	T G R P F
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UniRef90_B1MHW4	A V I A T R E R Y I E A Y E R I S G	T G L S F S
UniRef90_UPI0004765AC4	I G K T S E K Y Q E A Y R L T T G	T G K
UniRef90_S7TL73	V E K T S R T Y M R I F E M L T T G	T G S K
UniRef90_K9DJP6	I E K T Q A K Y F E A L I E R L T T G	T G E K
UniRef90_UPI000050F7C1	V E K T R A R Y I E A F E K L T T G	T G Q K F
UniRef90_Q07U77	V E A T S F R Y R D A F R R L T T G	T G
UniRef90_U3GYI3	V A A T R A R Y I E A Y E I S G	T G K S F
UniRef90_UPI000365E0F0	V E A T R D R Y V E A Y T R I T T G	T G Q Q W
UniRef90_R7I3M1	I Q R T S E K Y R E A L F R L A G	T G I K
UniRef90_R7XU12	V E R T R A R Y V E A Y E L T T G	T G E T F
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UniRef90_V5DRW9 A L Y Q S N L R S L S L L A R R G K V R R D I Y A I V D D Q H M L I V A S D D R I L M V T S S A A
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UniRef90_UPI0003646E38 A L Y E S S I T S V P R L L Y K G K V R R D L Y A P G D A H Q M L I V A S D D R I L M V T S S A A
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UniRef90_W0JDY0	F D V I L P N G I	P G K G E V L T Q I	S L F W F D K T	K N I Q N	H L I T A D I
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UniRef90_A4BSD1	F D V I L P D P I	P G K G I L L T A L	S R F W F E R T	R P I I G N	H L L A D P L
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UniRef90_A3ZPX5	F D Y V L P S V I	P D K G R V L T Q I	S R F W F E K L	G V A N	H M L S I N V
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UniRef90_V5DRW9 P A D Q Y R V G I S P P S S F D K K Q Q Y L R D Y L E T L D W D K T A P P P H L P P K D V
UniRef90_D1C3B0 D A E R Y Q P G R D Q P S S F D K K Q Q F V L R D W L T E T Q S G W D E P P A P P L P P K E V
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UniRef90_UPI0003B3E9D5 D A E A Y Q P G Q A Q P S S F D K K Q Q F V L R D W L T W D K N S G E Q P P Q L P P A E I
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UniRef90_UPI0003B5C0D1 P A D E Y Q E G T S P P S S F D K K Q Q F V L R D Y L E T L D W D K T A P P P V I P P A D I
UniRef90_UPI0003B64929 P L E G Y E P G H S Q P S S Y D K K Q Q F A R D Y L N A N N A A G E R P D T L P P Q D V
UniRef90_B8PB86 P A A G Y Q H G G S Q P S S F D K K Q Q Y L R D W L T Q T G F R K G G E G W T M T A S D V
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UniRef90_E6VU51 P V E G Y A P G A S Q P S S F D K K Q Q Y F R D W L E E G F N K K Q P P P R V I P P E I
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UniRef90_F9MQI2 P C D G Y A P G K S Q P S S Y D K K Q Q F V R D W L K A N P H N D Y L P P K E I
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UniRef90_F8NG93 P L D Q Y A P G G P Q P S S F D K K Q Q Y V R D Y L T G V G Y R K G E G P W E V L P E S V
UniRef90_E8R2Z5 A A D R Y H P G H P Q P S S F D K K Q Q Y V R D W L L A T N W D E S P P P P L P E S V
UniRef90_F9ZJP9 P V N Q Y Q P G Q N Q P S S F D K K Q Q F V R D W L E K Q D W N K K A P P P P L P D D I
UniRef90_B9KZ35 D A E R Y Q P G R P Q P S S F D K K Q Q F V R D W L T T T G W N K Q P P P R L P A D V
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UniRef90_M3CVM9 P K D D Y E V G R A Q P S S Y D K K Q Q Y L R D W L T K S G L K G K E G V S M P E E V
UniRef90_R5CHY6 P V E G Y E P G H S Q P S S F D K K Q Q F V R D W L K A N P D S D Y N P P Q D V
UniRef90_C4GAE6 P L E G Y Q P G Q S Q P S S F D K K Q Q Y V R D W L K A N P K S D Y L L P P D V
UniRef90_A3ZPX5 P E D Q Y R V G V S P S S F D K K Q Q L V R D Y L E T T S W D K N T A P P P Q L P P E A V
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UniRef90_UPI00031A951A P G D D Y A P G R G Q S S Y D K K Q Q Y V R D W L E T S G W D K N T P P P L P P A E V
UniRef90_C3X1K2 P A A S Y A V G I S P S S F D K K Q Q Y V R D W L E A Q P W D K K A P P P R L P P E E V
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UniRef90_I0HJC7 S A D E W K P G S V P R Y L D K K Q Q F L R D W S G Q D W D R T A P G P E I P D E V
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UniRef90_W0DLP7 P E E R Y R P G I S P S S F D K K Q Q F V R D Y L E G L D W D K N P P P T I P D D I
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UniRef90_W3XHJ8 P K D K Y E P G R D Q E S F D K K Q Q F L R N Y L T E N G L K G K P N V T V P E D I
UniRef90_A8M3D4 P V E S Y Q P G R A Q P S S Y D K K Q Q Y V R D W A T R S G W D K Q S P P P L P P G A V
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UniRef90_UPI00026C713D S A D T Y E E G R V Q P S S L D K K Q Q F V R D W L T W S K G S N T P P P P L P P A E V
UniRef90_UPI0004203182 D A S A W P N S L P S S F D K K Q Q Y V R N W L G W N K G S D T P P P P L P D S V
UniRef90_Q5Z077 P A D Q W E P G R P Q P S S F D K K Q Q F V R D W A T S T G W D K E P P P P E I P A D I
UniRef90_Q7UJ19 A A D E Y E P G H S Q P S S F D K K Q Q F V R E Y L Q E S D W D N S P P P L P P E S I
UniRef90_K0YSA9 P V D K W E G Q V T P S S F D K K Q Q Y V R D W L T W D R A S G Q E P P P L P P E Q V
UniRef90_UPI0003702A4B P A D E W E P G R P Q F A F D K K Q Q Y V R D W A T S G G W D R T P P P E I P A D V

	290	300
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UniRef90_M3VF82	V E R T R A R Y I E A Y E R I S S	L S F A
UniRef90_UPI0004078374	V D N T R S R Y I E A F T R L T	T G K E
UniRef90_A3DJF4	V K N T E L K Y L E A Y E R I T	G N K F A
UniRef90_J6F825	V A E T K S K Y E E A R D R V M	G R K F A
UniRef90_D3SE46	A E Q T A A R Y R E A L E R L T	
UniRef90_UPI00037B90B4	V E K T A A R Y E E A F Q R I T	G S K F
UniRef90_A0A016XEG7	I A Q T A A K Y Q E A L T R L T	T G
UniRef90_V5DRW9	L E H C A A K Y R E A E T R L T	T G
UniRef90_D1C3B0	V E A T A A K Y R E A Y E R I T	G R P
UniRef90_UPI0003646E38	I E K T A A K Y R E A Q R L L T	T G
UniRef90_N0E5X2	V E R T R A K Y V E A Y E R L T	G T T F A
UniRef90_UPI0004788307	I A K T A E K Y R E A E E R L T	
UniRef90_UPI00047D4EB9	I R T T S L R Y R D A F F R L T	
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UniRef90_UPI0003B3E9D5	V E K T R A R Y I E A Y E R L T	G Q S F T
UniRef90_E4TFP5	I E Q T S K R Y L E I M E L L T	
UniRef90_UPI0003B5C0D1	L E K T A D K Y R E V A R R L T	
UniRef90_UPI0003B64929	V D K T I D I Y L E A Y E K L T	G K K
UniRef90_B8PB86	V E G T R Q R Y V E A L T M L T	G Q
UniRef90_S8E7J6	V D G T R K R Y L E A L K L L L G	D E
UniRef90_UPI0004239138	V E A T R G R Y V E A Y E R L T	G R R W
UniRef90_B5EGN6	V R K T G E K Y M E A L V K L T	G K
UniRef90_UPI0003768A41	L E K T A A K Y R E A R D R L L G	
UniRef90_E6VU51	A E S T R A K Y M E A Y A L L T	G
UniRef90_R4SYA9	V E A T R K R Y T E V Y E R I T	G N T W
UniRef90_W2BVS3	I E K T I A K Y K E A Y E L L T	G K A F
UniRef90_UPI0003B48122	I A A T R A K Y A E A L L R L T	
UniRef90_D3FAI3	V D K T R A R Y L E A Y E L I T	G E P F
UniRef90_D3P9C5	I E Q T S K R Y L E I M E L L T	
UniRef90_X5ECD3	V E A T R E R Y V D A Y E R I S	G Q R F A
UniRef90_R6QXQ0	V V K T V D K Y K E A F E L L T	G H K F N
UniRef90_W0JDY0	V E K T A K R Y K E I L L E M L T	
UniRef90_V4JDL1	I E K T S E R Y E E A A H R I I	G
UniRef90_V9HLG8	L R K T V E K Y Q E A L N V L T	
UniRef90_UPI0003682357	I D K T I A K Y K E A Y Q M L T	G K E F
UniRef90_G4QC97	I E K T S Q K Y K E V L D R F T	G K
UniRef90_UPI00036262C6	V E G I R S R Y I E I L Y E R I T	G Q P W
UniRef90_E2ZCH2	I K K T I A K Y I E A Y E L L T	G E K F S
UniRef90_A4BSD1	I A Q T A E K Y R E A Q R R L T	G K E
UniRef90_S0EWJ8	V Q R T A E K Y R E A Y R R L T	G K E
UniRef90_UPI00036BA0EC	I A K T V A K Y E E A L H L L T	
UniRef90_UPI00029B1FDC	V D A T T A R Y I E A Y E R I S	G L S F S
UniRef90_D9Q4E8	V E A T R E R Y V E A F E S I T	G K K F S
UniRef90_UPI00035F2A73	V A A T R Q R Y V E A Y E R I T	G R D L A
UniRef90_UPI00036CD81A	V E K T T K K Y R E V A V R L T	
UniRef90_Q0A6D8	L R R T A E K Y R E A Q R R L L G	
UniRef90_F9MQI2	I D K T I A K Y K E A Y E R I T	G T P W S
UniRef90_UPI0003B4613F	V E Q T V Q R Y R E L L E R L T	T G
UniRef90_D8K036	I D S T R K R Y I H A Y E V L T	G E K Y
UniRef90_J5HXV8	I K K T V E K Y Q E A L N L L T	
UniRef90_K2RFF3	V Q K T R E K Y V E A Y E K L T	G D K W S
UniRef90_UPI0003463C41	V E R T L D R Y T E I H R L T	T G E
UniRef90_F8NG93	I E G T R K R Y Q E A Y Q M L T	T G E
UniRef90_E8R2Z5	V R R T R D K Y I Q A Y E Q L T	G R V F
UniRef90_F9ZJP9	L R Q T V E K Y R E A L R L L T	
UniRef90_B9KZ35	V E K T A E K Y R E A Y R R L T	G Q P
UniRef90_UPI00036DD139	V A E T R A R Y V E I Y E Q L T	G E T W
UniRef90_M3CVM9	V L J E T A K K Y R E A F E M I T	G G E W
UniRef90_R5CHY6	I D K T I A K Y L E A Y R L L T	T G T E
UniRef90_C4GAE6	I S K T I D K Y L E A Y E L L T	G A P L N
UniRef90_A3ZPX5	V N Q T R A K Y L E A F E E L T	G Q T F
UniRef90_V4JUL1	I E K T A A K Y A E A E M R L T	
UniRef90_V9XL17	V D K T R A R Y I E A Y E R I S	G L S F
UniRef90_Q6ACE5	V E R T A G R Y R A L V E R L T	T G
UniRef90_A0A016Q059	V Q A T S D R Y R E A F L M L T	G K K F
UniRef90_UPI00031A951A	V A K S R E K Y L E A L I R I A	G K S
UniRef90_C3X1K2	A Q K T T E K Y N E A L R L L T	
UniRef90_B4D121	V H K T S E K Y L E A Y S R L T	G R A L A
UniRef90_I0HJC7	V E A T R N R Y I E V Y E R L T	G D T W
UniRef90_UPI0003B3E7BD	I A R T A S T Y R E A Q R L L T	T G
UniRef90_W0DLP7	V A R T A E R Y R E A L R R L T	T A E P
UniRef90_R5T6Z0	I D K T I G K Y V E A Y E L L T	T G E K F
UniRef90_A1VU36	I S K T A A K Y Q E A M A R L T	
UniRef90_F3P9F1	V E R T R A R Y L E A Y E R L T	G R P
UniRef90_W3XHJ8	L A A T S E R Y Q D V F E R L V	G K K L Q
UniRef90_A8M3D4	V D A T R A R Y V D V Y E K L T	G K R W
UniRef90_F9EE74	V G R T R G R Y L E A Y E R L T	G S P
UniRef90_UPI00047D2814	I I E R T V A R Y R E L L E R L T	
UniRef90_UPI000471D37B	I K E T S Q K Y L E A Y K R L L G	
UniRef90_B2I6R9	I D R T R A K Y T E A L Q R R L T	A G
UniRef90_X8K3R3	I D K T I S K Y Q E A F D K L T	
UniRef90_D7GIL4	V T A T R E R Y L E A F E R L T	G A P L A
UniRef90_K5WSV7	V Q G T R A R Y Q E A V D L L T	
UniRef90_UPI00036B17C0	V E K T L E K Y Q E A E A R L T	
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	290	300
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UniRef90_E7RUT2	I E A T S N R Y R E A Y E R L	T G Q S
UniRef90_G2QVP9	V E K T K A R Y T E V F E R L	T G
UniRef90_S7XED7	V E Q A A A R Y R E L L E R L	T
UniRef90_S3WXN2	V E V T R A R Y A E A F R T L	T G T
UniRef90_Q2LRW7	I M K T R E K Y E E A L K R L	
UniRef90_B8ZSW0	I E A T R L C Y V E V Y E R L	S G M S F
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UniRef90_U2XMQ8	V E R T A A K Y R E L L E T L	A G
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UniRef90_F0SCA5	V E A L S E R Y L E L Y E K L	T G E K F
UniRef90_U1GBK8		
UniRef90_W4TQB9		
UniRef90_T0MWT1	T K S L S E R Y I E L Y E H I	V G E K F
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UniRef90_I0QZV5	V S E T S T K Y E E L S S R L	
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UniRef90_U2APU4	V A S I S Q R Y I E L Y E H L	L G K K F
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UniRef90_W0J3U4	I R N T Q K K Y L T A L K N L	L G
UniRef90_E0Y0R9	V Q L V S N R Y Q E L F E K I	T G K P F Q
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UniRef90_A4IJX0		M P T K Q Q L	L Y E E G K A K K I	Y A T D E	A D V L W V Y K D S A T A
UniRef90_K2I548			K K L Y E E G K A K I	M Y E P E	P G T L V Q Y F K D D A T A
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UniRef90_R4K2W8			E L L Y E E G K A K K V	Y A T D E	D E V I V Y Y K D D D A T A
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UniRef90_S2VNG8			Y S G K V H D L	Y R P V P	D T Y L I V A S D R I A A
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UniRef90_X7YVH6					
UniRef90_L8LVQ8			S Q L E K L Y E E G K A K I	V Y R S E	P D V F L T Y F K D D D A T A
UniRef90_E5WTB8			G E L L Y E E G K A K K V	Y Q T N D	E N I V W E Y K D S A T A
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UniRef90_B7KKQ4			M N K L Y E E G K A K I	L Y T T D	D P Q L L A H F K D D D A T A
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UniRef90_R4KQJ0			L E Q I Y E E G K A K K V	Y R T D N	P D Y Y W V Y K D D D A T A
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UniRef90_A4JX0	F N G	E K K A T I	T T G K G V L N N E I	S S L L F K L Q E A G V I	P A N H F I
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UniRef90_W6N7N9	F N G	E K K G Q I	S D K G V L N N T I	T S M L F E L L E H G V I	E T H F I
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190
200

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

		210	220	230	240
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UniRef90_UPI000289927D	L F D E A G I	L L V D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
UniRef90_F7VGR1	L F N G I G I	Q L V D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
UniRef90_S2Y6E6	Y F L D A G M	K L I D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
UniRef90_R5R2Q3	F F D E A G I	I D L I D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
UniRef90_R6G0N0	F F L K A N I	N L I D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
UniRef90_E6UD21	F F K G V G I	V D L I D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
UniRef90_UPI000368A542	F W Q S C G I	T L V D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
UniRef90_D4M745	Y F L K I G V	K L I D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
UniRef90_D4J4K0	Y F K S I K I	V D L I D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
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UniRef90_R7NR73	F F K K C N V	E L V D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
UniRef90_T0LE06	K A L A R G L	I H A D G K K E	F A L D H E R Q Q	P V L V D T F G T	A D E D D R F W
UniRef90_R7IE54	Y L K E V N I	E L D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
UniRef90_UPI00047C66B9	Y L I K K G I	L A D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
UniRef90_C8W1J9	H L S D K D I	Y L V D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
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UniRef90_X1U711	Y A R A R D I	N I A D T K M E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
UniRef90_B1I583	Y L A G R G I	D L V D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
UniRef90_B8EPE3	L F L G V G I	R L V D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
UniRef90_C0E8X7	Y L K K F D I	E L V D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
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UniRef90_A8LSK4	V M L S V G I	K L V D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
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UniRef90_UPI000381D57E	L F L E A G V	R L V D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
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UniRef90_UPI000370CA1F	L F R G I G I	K L V D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
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UniRef90_S2VNG8	I A L A R G L	V L A D A K F E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
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UniRef90_X7YVH6	H A L R K G I	I I A D T K F E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
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UniRef90_W5N9F1	A W D T Q K G	C T L V D F F K L E	F F G R R T T	D E M G A I L V L A D E	V L S S P D D N M R R L W
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UniRef90_UPI0003653EA1	D G P S Y R Q G E V V E	Q S K E A F R Q L L L	G Y F D D P D A K N N A L P E S V	
UniRef90_G5GGN4	D K Q T H E K	L D K D R F R R D L	G N V E D A Y K	G D L V A G Y E E V
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UniRef90_T1CZ57	D K Q T N E K	L D K D R F R R Q D L		G D I K E A Y Q E V
UniRef90_M8E8Q8	D A E T G E K	L D K D R F R R D L	G	
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UniRef90_R8ATX6	D K D T L K K	L D K D R F R Q G L	G	
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UniRef90_C0R0J2	D K E T G K K	L D K D R F R R D L	G S	
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290 300

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UniRef90_X1HM07			L Y K G K A K S V	Y A T D D K R L V M L F R N D T S A	
UniRef90_E1VPY8			K P V H S G K V R S V	Y A P D A P L A I M V T S D R I S A	
UniRef90_R4YPM2			M A L L Y E G K A K R V	F S T E E N Q L R V E Y K D E V T A	
UniRef90_D3QDU5			M A K M I Y A G K A K Q L	W T T D D D Q L L V V Y T N Q A T A	
UniRef90_UPI00029B0B32			E Q L Y S G K A K T I	Y A T D D P D T L I A E F R N S L T A	
UniRef90_Q8TIS9			L E K L Y E G K A K Q L	Y A T D D P E V L W V Y K N T A T A	
UniRef90_B3DT37			L E K L Y E G K A K K L	Y A T N D P D I L W V Y M N Q A T A	
UniRef90_UPI00040B2B90			N K G E L I Y E G K A K R I	F S V E N D H L V A E F K D D L T A	
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UniRef90_UPI0003826E86			V H S G K V R S V	Y W L S P E L A V M V T S D R I S A	
UniRef90_U1RB67			E K L Y E G K A K K L	Y A T D N P D I L W V Y M N Q A T A	
UniRef90_UPI000306B90E			K L I Y E G K A K K I	F A N N P K E V V V E F K D D A T A	
UniRef90_E2AK80			G K L I N E G K T K K I	Y N L D P T L C L L E S K D R I T A	
UniRef90_R2SI28			E L L Y E G K A K K L	F K T D Q G V L W V E Y L D Q A T A	
UniRef90_N1ZLM0			M G E V I Y T G K A K Q M	W S T D D P E V L V V Y M D Q A T A	
UniRef90_UPI00046A0B95			L L Y E G K A K N T	Y K T D E N E L L M V Y K D Q A T A	
UniRef90_T1BWR6	A	V F E T T I T S	L P L I A R G K V R D I	Y S V G T Q Y L L M V T T D R D I S A	
UniRef90_UPI00046F950D			K L A E G K T K I V	Y A H D P E L V I L V H K D A I S A	
UniRef90_UPI000219790A			K L L Y E G K A K N V	Y Q A E N D E V L M V Y K D Q A T A	
UniRef90_F6A1M1			L D K L Y E G K A K K L	Y A T D N D N V L W V Y M N Q A T A	
UniRef90_B9EAY5			M T L V Y E G K A K R V	Y S T D E H V F I E Y K D E V T A	
UniRef90_Q12UF8			E E L Y S G K A K T I	Y K T E N P N L I S E F R D S L T A	
UniRef90_R7UBB7		P T L G E K I	I E G K T K A V	Y N I S P G L V F I K S K D K I T A	
UniRef90_X1F6U2				Q L L L I V I S D R I S A	
UniRef90_G4D403			M E K I Y E G K A K E V	Y S T E N N E Y I I K Y K D T A T A	
UniRef90_Q1PJG9		M N N K Y	E L I Y E G K A K K I	F T H D D D K V I I E F K D D A T A	
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UniRef90_I7JG2			M S L L Y E G K A K R I	F S T G E P E I L V E Y K D E V T A	
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UniRef90_Q1WU62			E L L Y E G K A K Q M	W S T E D E N V L V V Y M D Q A T A	
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UniRef90_S0KSS7			E L R Y A G K A K K L	Y T D N P S V F W V Y L D Q A T A	
UniRef90_UPI0003008B3E			M S L L Y E G K A K R I	Y S T D P N E L R V E Y K D E V T A	
UniRef90_B3ECH5			L L H E G K A K K V	F L T D S D L V I Q E F K D D A T A	
UniRef90_O26272			L Y S G K A K D V	L L T D D P E I V A V F R D D I T A	
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UniRef90_A3Z681		S T G P	L L Y E G K A K R V	Y A S E D D E I V L V E F K D D A T A	
UniRef90_S5PE05		M E N T R E	V L Y E G K A K I	L R H P E N E V I Q H F K D T L T A	
UniRef90_Q30TB0			E L I Y E G K A K K L	F S T D D E N L L I E F K D D L T A	
UniRef90_T0U684			L I Y E G K A K K L	F K T S D E E L R V E Y L D Q A T A	
UniRef90_A4YI65			M E K I S E G K T K E V	F S L D N E H V L L R F K D S V I T A	
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UniRef90_A4BHX8			L Y A G K A K T V	H T T A D D L M V L E F R D D T A	
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UniRef90_F6TJV9		L G K M F	C Y E G K T K V V Y E I	N P G R C L I V S K D I I T A	
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	50	60	70	80
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UniRef90_D5BRL4	F N A Q K K D Q V I	K G K G A L N N A I	S N H W F R L S H G I E S H F I	
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UniRef90_D3UP62	L N G V R K E S F	A G K G E L N N E I	T S L I F S Y L K E N G V I A S H F V	
UniRef90_W7BR05	L N G E R R E V F	A G K G I R N N E I	T S L I F S Y L K E N G V I A S H F V	
UniRef90_T1IGS4	G D G V R A H D L	E G K A A I A N L T	N A R I F K Y L S D G V I N T H F I	
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UniRef90_V6T4W2	N N G E K K A E V	V I G K G R L N N E I	T S L I F F K L R K V G I Q S H F I	
UniRef90_R2SPK5	L N G A K K D Q I	A G K G E L N N Q I	T S L I F S L H E N G I K D N H F I	
UniRef90_A8FKT8	F N A E K R G N E	S G K G A L N N C K I	L S T E I F H L L E N G I K T H F L	
UniRef90_T0N0N5	F D K T I P V N V	P N K G E S V C R T	S A Y W F D F V Q K G I K T H F L S L K A	
UniRef90_A0A022T588	G D G V K S H N L	E G K A A I S T A T	N A K V F F E L L N K	
UniRef90_S4PGW8	G D G V K A H D M	E G K A A I S N Q T	N G K V F E L L K	
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UniRef90_Q833Y6	L N G Q K K D K V	L G K G A L N N Q I	T S L I F E L Q Q A Q I P T N H F I	
UniRef90_B3CM64	F N K E K Y E I I	E G K G I N N H V S	A F I M E L E E A G I S T H F I N T	
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UniRef90_UPI000289E02E	F D G K K K E A L	M G K G A V N N Q F	N A F I M E L E K N G I D T H H I E V	
UniRef90_D6XYR8	F N G E K K M E V	L E G K G R L N N E I	S S L I F T L H E N G V Q D N H F V	
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UniRef90_A3PHU6	A S T P P Q T A L	E G K V L N N R L S	E F F M N L N A I G V P T H F I	
UniRef90_R6NGT4	S N I V F S E T I	E D K G K V S N R K L	S S L I F W Y T K G C I N N P M I S I	
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UniRef90_W9DYT0	F N N Q K K T T I	E G K G V L N N R I	S E H I L S N L E V G I K N H L V	
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UniRef90_UPI00029B0B32	F N G E K K G E M	E K G Y Y N A Q I	S K K I F D E M L E A G I K T H F V S	
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UniRef90_B3DT37	G N G A K K A Q I	E G K G E L N N H I	T S V I F D L L K A G V E S H F V	
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UniRef90_UPI000306B90E	G D G A K S H D L	E G K A T I S T S T	T V K V F R L L N Q	
UniRef90_E2AK80	L N G A K K D V V	Q G K G E L N N Q I	T S L I F E A L K E E I P S H F I	
UniRef90_R2SI28	L N G K K K D Q I	K G K G Q I N N E I	S T L V F E Y L K Q G I P S H F I	
UniRef90_N1ZLM0	F N G K K K E V L	P G K G V L N C R I	S T L V F D Y L K N G V I K T H F I	
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UniRef90_UPI000219790A	G N G L K K A Q L	A G K G S L N N Q I	T S L L F H L L E A G V K S H F I	
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UniRef90_B9EAY5	F D G K K K S E A	T N K G Y Y N A Q I	S K K I F E L E E G I K T H Y L	
UniRef90_Q12UF8	Q D G A K S H D L	A G K A A I S T S T	A T K I F N L L K S G V K N H F V	
UniRef90_R7UBB7	F D V V L P C G I	P N K G S V L N Q I	S I F W F K Q T A D L I P N H L L E A V D	
UniRef90_X1F6U2	G N G E K R A D I	F G K G E L N L A I	T T A I F K L E E N G V I K T H Y V E T M	
UniRef90_G4D403	F N A L K K A K F	E G K K L N C I	S S R I F E L L K K K I P T H F I E L K	
UniRef90_Q1PJG9	G N G A K K D A M	V I G K G R L N N Q I	T S S K I F E Y I K K G V E S H F I	
UniRef90_S2XKB4	G N G A K K D F I	E G K G R L N N Q I	T T R I F N F I K Q G V N S H F I	
UniRef90_I7JG2	F D V V M A N G I	L P Y K G V L T Q I	S L F W F D F L S S D V E H H L I S A D I	
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UniRef90_A3CWL5	W N G A K G D E M	Q G K A A I S T E T	T T A I F K V L Q D G I N T A F V S K N G	
UniRef90_J9KAY4	L N G K K K D V I	K G K H V N N Q I	T S S L I F E Y L K N D I P T H F I N	
UniRef90_Q1WU62	F N G L K K D Q I	L N K G K I N K E I	S K F F F E M L N N G I N T H Y I	
UniRef90_A9BIH1	L N G L K K D E V	T G K G A L N N Q I	T S L I F H L L K N G I S S H F I	
UniRef90_S0KSS7	G N G A K K D A M	L G K G K L N N Q I	T S L I F N Y L E N G L K S H F I	
UniRef90_UPI0003008B3E	F N N K K K G T I	A D K G V V N N A I	S C K L F T M L E H G V K T H L V	
UniRef90_B3ECH5	G D G E K K D T L	E M K G Y Y N S V I	S A K I F E L E E A G V P T Q Y L E L R	
UniRef90_O26272	G A T P P Q A A V	E G K G V L N N R I	S E F F M S L N S I G V P T H F I	
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UniRef90_Q30TB0	L N G L K K D A V	I S G K G A L N N Q I	T S L I F E L E K Q G I P S H F I	
UniRef90_T0U684	G D G A K K A D I	I D G K G L N A Q T	S A L I F R L L E D D G I E T H Y V G M K	
UniRef90_A4YI65	L N G L M K D Q V	N G K G E L N N Q I	T S K V F H Y L E D Q G I A N H F I	
UniRef90_I6SFM7	F D G E K K T A L	A D K G R V N L F N A	F V M Q K L Q D G I E T H Y V	
UniRef90_A4BHX8	F N N K K G T I A	D K G V V N N A I	S C R L F T L L E H G I R T H L V	
UniRef90_A1BF89	F D C I W K N G V	P G K G I A L N S V A	A H W F K L	
UniRef90_L8D8J2	F D C I W K N G V	P G K G I A L N S V A	A H W F K L	
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UniRef90_F6TJV9	F D G K K K E A L	L I G K G A V N N Q F	N A F I M D H L E N G V D T H L I	
UniRef90_J4WRW9	F D G K K K E A L	L I G K G A V N N Q F	N A F I M D H L E N G V D T H L I	

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	250	260	270	280
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UniRef90_D5BRL4	D I H T N E K	M D K D R F R Q D L		
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UniRef90_L9XB33 F A F T D A Y S V

UniRef90_C7P369 F V F T D D Y S V

UniRef90_V4Y6J1 F V F T D A Y S V

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UniRef90_C2ETY8		K K L S	A N E D L V K K C T M F	P L E F V T
UniRef90_U3ABP6	A P T E M A I D L V Q V P D L P F A	D G D Y	D Y D A F H D E A Y V V P	L E I T V F
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UniRef90_A6UWZ9		E Y I K	P N Q M I A K N V E I I	P L E V I V
UniRef90_Q2GHH2		E L N Q	R E Q L V K K I T I	P L E V V I
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UniRef90_E6TWL5		E R L S	S N E Q L T K E V E I V	P L E V V V
UniRef90_U7CY53	N G D V V A L A D A S H P P P H E G R E Y D Y		D S Y H E A G E L I V	P L E I V F
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UniRef90_UPI00036FB4C5		E Y I E	P I Y M I A K N V E I I	P L E V I V
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UniRef90_A2C740	E T W		M L V Q H V D V I	P L E V V I
UniRef90_U6ED68		A G V K T Q Y I D L P E P	G Y M L C H K L D M I	P L E V I T
UniRef90_F6D4Q1		E A G V K T Q Y I D L L K P	G Y M L S K K L K M I	P L E V I T
UniRef90_H4GK28			E T I S P T E D L V K K C E M V	P L E F V T
UniRef90_H3NV36		A G L A R S H I L E T P H P L V W V V Q R A K P I	M I E A I A	
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UniRef90_A8AAS3			R K I N N R E Q L C Y K L D M I	P L E F V V
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UniRef90_S8B6D9				P L E V I V
UniRef90_R6PZC6	D N A T M E V L P A T V F G H G			P L E V I C
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UniRef90_UPI000287D42C			K K L N E R E Q L C K K V E I V	P V I E V V
UniRef90_UPI00020DA2AD			K S I S A T D E L V T A L D I L	P L E V V T
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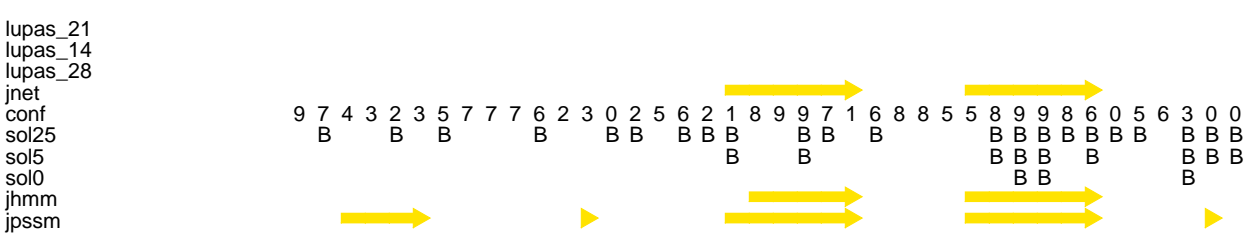
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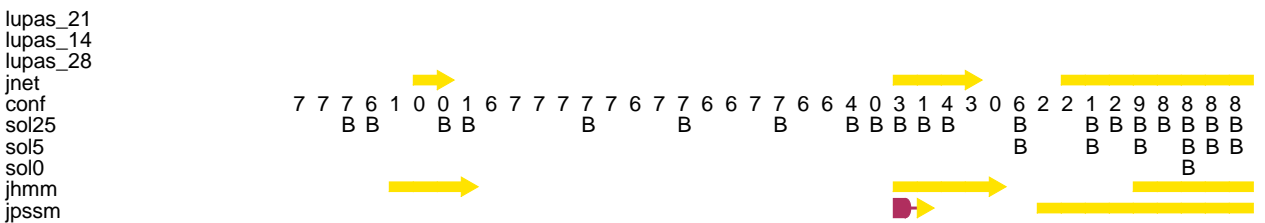

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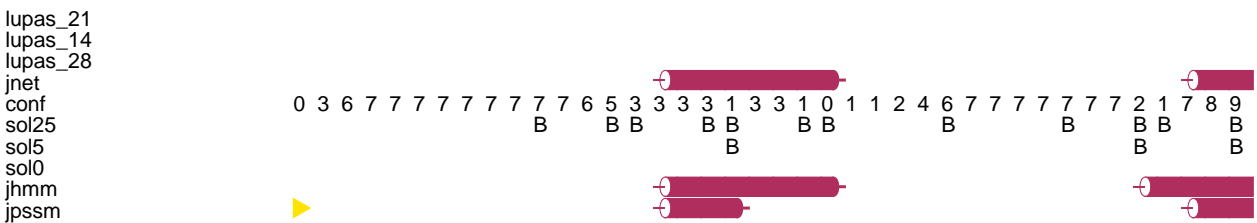
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