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S Y T Y M Q F E R F M S I V S E Y I P V K H V C N S S A G L I E F P E M R L N M V
E H T A M Q I S R F E D C I Q N Q K V E L S M A N S A A L L A W Y Q T R M D W N
T W A L K Q F E R Y Q D F V K R T F P V K H V S A G L I E M P Q V N L D M V
D F T A M Q L A T F N A L E H L P G E R T M A N T A G A I F W P Q T Q A D W I
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D S T L K Q I Q T F K A C A P V T A L Q S L A N S A A I L A W P K A Q R E W Q
S Y T L L Q Y G R F M D V C N R N I P I K H I C N S S A G I M Y P E M H L D M V
A L T E T Q L E R Y A E L L E L P F E H C S L A N S A A V L T L P E A H M A W I
Q A T R L Q I E E F N R L S A D L P G E R A M A N S A G I L A W P A S R S D W I
I D F E R Q V K R F A E A V N G N P G I V H A N S A A A I R Y P E V Q L D M V
P K T A E Q I A L F D S L V G K Q Q A H C L A N S S A G I I A W P A G H G E W V
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L S S A D G F A L L N Y E E E A I L L R E Q G W K K P I L L L L L E G F F K A Q D D L
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L L A K T D G F A L L D I E E E A I Q L R R E Q G W Q G P P L L L L L E G G F F T Q P P E Q D L
L L S A G A T G L V A I L V D E E G L E L R R R A G I T T K P P L L L L L G Y T T A P E P E L L
L L E A G A T S W L G V A T I P E E G I Q L R R N A G I T A P I A L L G A T N T G V D E D T
L L K S G A N C L G V A T V P E E G I Q L R R K Y G L K V P P L L L L V F D A V A N N I V
L L N D K P E Y F A L L V D E E G I E L R R E L G W Q K T P P L L L L L E G G I F D A S E D L
F A E A D G L A L I E P D N E A L R L R R E L G W Q K T P P L L L L L E G G I F D A S E D L
I E A G A G G L C V A T V S E E A L Q L R R Q G G G I K A T P P L L L L L G A T N T P G G P W
L L E A G A G W L G V A T P D E E A L L E L R R A G G I T A P P L L L L V M G A S S A D A A G
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L L A S G A S E L G V T T I G E A L L E L R R N A G I T A P P I L L A W L H Q L D A D Y
L L A G G A T W L G V A A L G E A L L E L R R R A G I T A P P I L L A W L H S P G L P L
A Q A G V Q W L G V A R I D E A L L E L H R R A G I T R A H P I V L V L G Y T P P E R A G
L K A G A N A L A V A T L M E G I E L R R E A G I V N S P P L L L L L G V T N T P E E V
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I D P A Y E G Y A A A I D E A V L R R R H G I Q K M I L L V L G V T H R E S R F
L Q A G A G Y L A V A F L D E A L L R R K K G I T A P P I L L V L G A S R P E D A
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I E H Q V D T F C S N I D E G L E L R R Q S G I K A P P I L L V L G V I L P H E I
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170 180 190 200

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

UniRef90_K8WJ77 R S G I T L Y G A S P S G K W Q D A D K L K A T M 210 220
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UniRef90_UPI000255C210 R Y G I A M Y G L S P S P E A E Q L P F P L K P V M
UniRef90_K9EVK5 R V G I C L Y G Y P P A S D M A G L V D L K P L M
UniRef90_F2F6E6 R F G I S M Y G L L P S S Y V T K L P F P I K P A
UniRef90_UPI000408B8D8 R P G I M L Y G S S P V I D K S A S E L N L K P A M
UniRef90_F0SAW0 R L G I G L Y G V D N F S E D D E
UniRef90_R7P8W2 R L G L G L Y G I D P I D N
UniRef90_I7LPY3 R L G D A M Y G L N P S G Q T L E M T Y E I T P A L
UniRef90_G1W169 R A G I G L Y G L Q P C E K S A P I M P L E P V M
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UniRef90_E3CMB1 R L G L V I Y G L N P S G Q E L S L P Y K I K P A L
UniRef90_E6J9X1 R P G I A L Y G L N P V E G L E V D L V P A M
UniRef90_E3H5M4 C G I A L Y G L S P L A G V S S K D L N L R P V M
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UniRef90_A0A031GK78 R P G A A L Y G I G P Q G G E P N P L R S V V
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UniRef90_W6KBS5 R P G V A T Y G V N P T P D
UniRef90_C9Y709 R A G I A T Y G S A P D Y P E H D I A H G L Q P T M
UniRef90_J9H919 R L G I G L Y G I D P F T N E
UniRef90_E6V191 R P G I V L Y G S A P D F P L H D A A H Q L Q P T M
UniRef90_R6TH35 R L G L G L Y G I D P
UniRef90_U4TDK1 R P G G L L Y G V G L Q G K K S G I D E G L R P V M
UniRef90_C0ZK24 R L G I G L Y G L Y P S L Y M K R A D V I L T P A L
UniRef90_E6QHE2 R P G I M L Y G A S P F I D E N A A S L G L K P A M
UniRef90_UPI00029AA6C6 R L G I G L Y G F G P
UniRef90_D1CFZ5 R I G I G L Y G V Q P L Q F K T Y P L R P A M
UniRef90_C3JBX9 R L G I G L Y G I S P S M D K H L E P A V
UniRef90_B6G9W6 R A G I G L Y G L Q P C E R T R A V L P L E P V M
UniRef90_E6W1R1 R P G I M L Y G G N P F A D K T V D L R P A M
UniRef90_R9N6B9 R A G I T L Y G L W P S D Q V R K D I V P L T P V L
UniRef90_K9P8D7 R V G L A L Y G Q P P A A H L A G V V P L R P A L
UniRef90_I0GK97 R P G I L L Y G I T P N H Q K L Q L E S D F K E A V
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UniRef90_C0N8E2 R P G L M L Y G V S P F S D K S G T E L G L K P V M
UniRef90_Q221R3 R P G I A L Y G S A P F P Q H S A T D W G L Q P S M
UniRef90_A0A022L574 R P G I A M Y G Y P V I A T D L E L R P A M
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UniRef90_F9DTR2 R F G V S L Y G I A P S A A V K K L P F V L E K A M
UniRef90_D4YTE2 R F G I G I Y G L N P S S N P D S P D L K L K P A L
UniRef90_UPI00036F313E R V G L A L Y G M N P L P G E Y D L R P A M
UniRef90_W7SMW3 R P G I A V Y G L N P L P G D S D L K P V M
UniRef90_D5BDK5 R T G I G L Y G Y G N S A Q E D K K L K P V
UniRef90_S0K1G4 R Y G V A L Y G L N P S G Q A V A A P Y K L K A A L
UniRef90_A1SWG9 R P G L S I Y G L K P S S M V V P E L N D L K P I M
UniRef90_H0HLQ3 R P G A A L Y G V N P M P G K P N P M R Q V V
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UniRef90_N2BPW2 R V G V G L Y G M H P A S T T V Y T M E L K P V M
UniRef90_B9CMF8 R I G I G L Y G L H P A E N T I P R I A L E P V M
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UniRef90_J9FUQ6 R L G L G L Y G I D P I D N R R
UniRef90_UPI0002E33835 R F G V L I Y G L N P S G G S I T S P Y P L E P A L
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UniRef90_UPI00031657E4 R F G I S M Y G L S P S A F V R E L P F Q L M Q A M
UniRef90_E3B7P1 R P G L A L Y G L S P A P D A T S E E L T L R P A M
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UniRef90_UPI0002492260 R Y G I G M Y G L N P S G S Q L T E P G T L R P A M
UniRef90_E0E495 R P G I I Q Y G I Y P S N E V S Y S I D I K P V M
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UniRef90_UPI0003728895 R P G I A V Y G L D P V I A A A G E P T A L R P A M
UniRef90_UPI0003B64F4B R P G L M L Y G L Y T D I A L S G K I T L K P V L
UniRef90_UPI00047C34B3 R F G I S M Y G L N P S A E I Q D L P F P L K
UniRef90_UPI000478BB76 R L G I G L Y G V
UniRef90_I0KA03 R L G I G L Y G V E S S Q L E R E R V R P V
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UniRef90_UPI0004068E66 R L G L G L Y G V A A T P E
UniRef90_UPI0004786676 R P G H L L F G M Y P T P E V R R T I P L E P C M
UniRef90_A8YX13 R F G I G I Y G L N P S S N P S S P D L E L E P A L
UniRef90_U2DQ46 R L G I G L Y G V N P I D N
UniRef90_S2W0X5 R P G I I L Y G L S P E P R T L A S D L G L R P A M
UniRef90_HOR3Q3 R P G I A L Y G R T P L P A I G D F G L I P A M
UniRef90_UPI0002197717 R Y G I A L Y G L N P S Q D I T S L P Y K L E P A L
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UniRef90_R5B778 R E G V I L Y G M Y P D S M P Q Y G P L K P V M
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UniRef90_C9XQ58 R I G I A L Y G I L S S P D T T K L Q L D L R P V L
UniRef90_UPI0002EB1B87 R V G I S L Y G Y Y P S G Y V D S V K L H L K P
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UniRef90_R2XUS3 R Y G I G M Y G L N P S G H E L P E T Y P L I P A M
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UniRef90_A9IU63 R P G I C L Y G A S P F A D A D A S F G L R P A M
UniRef90_D4IVV9 R P G L L L Y G Y G E F A H E M G L K P A M
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UniRef90_E2ZCF4 R P G I I Q Y G Y D A S K E V L V T G T K I K P V M
UniRef90_A3PIR7 R P G I G L Y G G R P F E E A R P V V R L S L P V I
UniRef90_UPI00036D699B R F G I A L Y G I N P T P L K R T I T L K P V M
UniRef90_UPI00046A1C88 R L G L S I Y G L S P Y G A S G R E L G L R P V M
UniRef90_R5NQQF2 R A G D I L Y G L N P I D E E G F K K E N F K E I L

	1	10	20	30	40																																								
UniRef90_UPI00035D2602	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_D6Z484	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_F1VVX4	I	V	N	L	D	N	M	I	H	N	L	N	F	R	S	L	P	G	V	R	I	M	I	M	D	K	K	A	S	N	G	Y	G	G	T	G	T	Y	E	V	A	S	R	M	A
UniRef90_R7HK86	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_G5HA59	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_H9UMM7	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_UPI00036C5F99	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_C7NEX7	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_UPI0003826F52	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_R7ZWN3	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_R9AYS8	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_V2Y2D2	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_Q11NQ6	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_H3NE80	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_L7KRE8	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_J4WQ41	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_E2SG41	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_UPI00020D9B23	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_UPI000469411D	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_S3Y1D2	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_XOR5U5	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_S7X086	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_A3XRD0	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_A7HLU1	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_L8XUK8	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_UPI00046AC8E8	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_A8LRT3	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_V2TZI3	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_UPI00047969C3	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_Q163V1	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_B6YQB3	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_UPI000249104F	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
UniRef90_A3J2P4	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
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UniRef90_R6AQ97	I	D	L	K	A	L	L	E	H	N	L	L	S	N	R	P	G	A	G	L	M	P	A	V	K	S	D	A	Y	G	H	G	L	L	P	V	A	A	G	A					
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UniRef90_UPI00036C5F99	P	A	D	I
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UniRef90_UPI0004079358	R	I	Q	F
UniRef90_R6AQ97	E	I	L	S
UniRef90_U4UW61	E	L	I	R
UniRef90_UPI00036A2021	D	L	A	I
UniRef90_UPI00047716BC	S	A	G	I
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UniRef90_Q6AD34	V	A	A	I
UniRef90_B7C8W5	H	Y	L	H
UniRef90_B3ENJ6	A	R	Y	L
UniRef90_A6U7F6	A	L	F	F
UniRef90_H8KVG8	E	S	L	R
UniRef90_A0Z274	D	A	I	K
UniRef90_A0A031GTF2	P	A	M	A
UniRef90_UPI00047CA85D	D	I	V	D
UniRef90_UPI000369188F	H	T	M	A
UniRef90_N8S2H8	L	D	C	E
UniRef90_C5TBS9	E	L	C	S
UniRef90_UPI0004292D87	E	L	I	V
UniRef90_D1BBQ6	A	E	L	L
UniRef90_Q0EZD1	S	L	A	T
UniRef90_Q0BPP6	A	A	Y	T
UniRef90_UPI00041D9F8C	D	T	L	I
UniRef90_UPI00038054E4	A	E	A	V
UniRef90_T1W8Z6	M	D	C	A
UniRef90_R5RX73	E	R	I	L
UniRef90_J5VWV5	T	L	F	S
UniRef90_X6DCU7	A	D	A	V
UniRef90_F0S451	K	E	A	V
UniRef90_B2GJ40	A	A	A	V
UniRef90_V7FHK9	R	E	A	V
UniRef90_C6D444	Q	L	A	L
UniRef90_I4DCG2	E	Q	A	I
UniRef90_UPI000399F9C9	A	Y	A	I
UniRef90_UPI00047B92FF	Q	W	V	V
UniRef90_UPI000479D7DA	D	E	V	T
UniRef90_C9LX24	A	E	A	V
UniRef90_Q97DY9	A	A	W	I
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130 140 150 160
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H R R L G F V Y P Q D D F A A A Y Q R L R V N Q V G K L A L M T S H F A N A D D D A A D T
G R V G C S M P Q Q A V E L A T A L Q S Q R T L R L V G L M T S H F A N A D D D A A D T
S R S G I A D E P Q E W A E A F E J A A G A H H L V E G L M T S H F A N A D D D A A D T
S R G G L A P S E D W P D L F A R A R Q E G A S L T V L Q G V F S H L A C A D D D P G H
R R L G V F T A P E E V S Q L L Q V I E T D Q A F R V L E A V F T H F A T S T D N A H N D
N R R L G F T P F E H Y V D A W K K L K D L A S V L K E L V H M M H F S D A D D G E E R Q
S R R L G Y F H F E H G I E G L V N V C K L S V L K D A E G I F T H F A V S D S D S E E C
K R L G F E K K D V T E L A Q Q L K H T E F V N K V Y S V F T H F A A V S D S D S E E C
A R L G V R S L E E A V A T L E A L D T E W I T T V E G I Y T H F A N G D D D L D H H
N R S G V A A D E W D F L A K V H A E G A V L V R A V M C H I L A R G E D D P D H
N R L G F S L A E E D E L C Q L L K G H P L E L K V R V R A V M C H I L A R G E D D P D H
S R N G A A P E E W P E A A A R A R D A G R L E I T G T F S H L A C A D D D S E E H
G R I G F R D R D A L A E T I D Y L Q R S H Q F E Y T G L F S H F A S E S D D S P A L
H R L G F M E K E L P R E L C E I L V R Q S S R I K V H S I L F S H L A C A D D D S P A L
G R E G A F A S E V E Q I L G A V I L E S P H V S L A G A M S H L F N A D D V P G D
N R L G F N A E G I M T A A R R L H E T T G Y Q L I L A T S H F A N A S E D D S T H K
N R L G F N Q K D V D T V A A R L K H S T T A V Y V K S I F S H L A A S E D D P N K
N R L G F K D V N E K D I L E Q L H A T E A L K V K S L F S H L A A S E D D P N R
R R L G V Y P E E A K D F L S A R N V G F E V E G A Y T H F A S L D D E A D D V
N R L G I R P E E L A H Y Y Q A L N D S E N V K S I Q L M T H F A C A D D E A D D
G R L G L W E E E Q L D T F I S L R S H P N L M W E G I F T H F A T A D E R D Q
N R L G M E A D E W A A V A E F A L G Q G P K L V M S H L A C A D D P G H
N R L G F K P Q A Y Q I A W A I S K L S H V V D I T H M M H F S D A D D G E R Q
N R L G F W H T D L P K I T S E L K K T S H I K V Q S T F S H L A A S E D E E Q
N R L G M E D G E W R A V R E V A T Q R P N P S L V M S H L A C A D D P S H
H R F G F N P E E I P D V A K L L K N Q N N V F V Q S I F S H L A A T A D P F L
G R I G F R E N D L L Q A Y K F L E E Q P Q F I F D G I F T H F S T A D M K D D
H R L G F F E M P Q M D E L V S L L K A N N P F I K I K S V F S H L A A S D D A K N
H R L G F F T A E I P E L V A K I I K A N N P K I H I L A S A F S H L A G A D D A F H
S R I G I F A Q E A V D A A E R I Y H M K N L D T V I G M Y T H F A V A D D P Q K
N R L G M E P V E W H A V R E L A L P L N P T L T M S H L A C A D D P D H
T R G G F L N E W D E L R K A D F S K A I Q V T G V W S H F A C A D D E V G Q
H R L G E D Y Q N V R G I A G M F A C K N L S V E G M F T H L G M A D D A D G M
G R L G I K D E A I A F I R K A L D V P L E I E I E G M F T H Y A K A D D T A G K
N R I G T H P E D V E G F L E K L K Y P L E I H I H G T F T H M A K A D I H D K
S R L G F E Y N R F V Q Q F E K I K S F E N I S I E G Y S H L S A D D E D P K
G R I G L K D E T Y Q H V H K I L D Q H E R L I F E G V Y S H F A S A D D E P N
N R L G E P F G H T E K I L S M Y R H S H L H V I G T F S H L A C P D E E D R K
G R I G F R T Q Q E L K E A V A F S L N Q H N F N F E G V F T H F S T A D D K K
N R S G L N Q K E L Q Q L I N D P S L F A K A D I K Y V M S H L A C A D D A T H
N R G G L D E E E W S E A F S L A A R A R V T G V M S H L A C A D D E P S N
G R I G Y E A E A A A E D V K K L Q A L E N F K I K G M F S H M S T A D A Y D K
S R G G A R A E D W A E L V A A A R R D G T L S V R G R V W T H M S T A W D V P A H
N R F G I R P Q E I P S W I P L I R E K R E I T L E G V Y S H F A V I T F A Q N A
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H R L G L H S D E L D R A L S I L S S L H N V K I D G I F T H Y S A D D N D I
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N R L G F P P G F L R T A W A R L D A L P Q V D E T S L M T H F S D A D T P R G
S R I G I A Q D H A Y H I E D I K A L Y L L D V C G I S F S H F S C L D E E N C
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N R I G M K T S D E M N N A I A L I M Q H N G I V E G I Y T H Y A C A D D D D
G R V G L K P E D M V D F V K K I S E L E N I F I E G I Y T H F S A D S S V
G R L G F R L P D V P D L V A T L A A N R E L R L E L V A S H L A T A D E S P R D
H R L G E P C H H L E E I V Q I L F T M K H I R V E G I F T H L C T A D S P D R D
S R N G L P E E Q W E V F H E L E R S G R I V V R G V F S H L S N A S P A E D
C R T G I V Y Q E Q D K H I E D I L Y E E Y N L C V E G I F S H F P C L D E D C T
G R L G T T P E N A F Q L L E A E K S P H L R L S G I Y T H F A Q S T S R D
N R L G L S P E E A L R L V H D P V R P A S F S P V L V M S H L A C A D D P G H
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N R L G F T P Q R Y R S A W A R L N A L P Q V D E L S F M T H F S D A D G P R G
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N R L G A A P Q Q V L T R Q C L Q A G I Q I R G F M S H L A C A D T P L H
N R L G L D P Q E R D R L A E R P E L L D G I T L R A I M T H L I S A E D P D H
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T R G G T G P G G W A G L V D A V L A A E A L E V V G V M S H F A C A D D P G H
S R M G M A P A D F E R L C A D P S R L D P G I R L L L M S H L A C A D D P E H
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G R I G I R T K E E W D E L V P W L Q A E D V D V D G F Y M S H F A T A G O E D T
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N R I G V K V T D A V E I A R L V N H S K W I D L E G I Y T H F T D A D P A N E
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N R L G F E P D L T M Y D F T A W P R I R V C H V M T H L S S S D T D R
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UniRef90_H9UMM7	D F A R T Q L G R F R D A A A D D P G L L S A A N S S A G A V I T S M P P D A G L D M A			
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UniRef90_C7NEX7	P A T D H Q R D A F F E R G L A A D P R W R H L A N S S A A T L T R P P D L A Y D L V			
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UniRef90_A0A033UP85	D F S K Q Y E L F E E F V E Q T P E Y I H A Q N S S A G A L R Y D A S I C T A V			
UniRef90_W8YT07	A F T R L Q Y E R L L E V A G H D P G R L H I Q N S S G I L N G F G W S F D T A			
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UniRef90_B3ENJ6	A F T G R Q R D L F T Q I C M Q R T F C K H A A N S S G G I L C H D N A F F D M V			
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L E E K T D G G F A V L D L N E E D A V L L R R E Q G W Q K P I L L L L E G F F T E K T E A A D A
L E E G I Q H M A V L G S V G E A G A L L R R Q E G H T A F L L A L M G L A R K D E D T
L T D Y I E M F A V A T L T E A I L T E L R R E L G I N K G I L L G A I L P T S K G T A
L Y A G C R T F F V A V P T E A I T L R R A S L P D A V I Y V L D G L F P S G T A
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L Y R A G C R F F V A S S I D E A M E L K D L L P S N V T L A L L N G P P H A T E V
L Q A V A D Y L A V A Y T D E G L A L R R F N G I T M P I L L L L G H T P K E Q V
L Q Q K A D Y L A V A Y T D E G L A L R R S E G I R L P L M V L N P V I Q E S F P H
L Y E G C R H F F A Q F V E A V R L R R P A L A R D A Q I F V L N G L Q G P G N E Y
A L J A G G A W L G V A K L A E A L R R L R D E G I T V R T L V C V G V G P G E P Y
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V A A G A D W L G T A Q L T E A I A L R K K A G I S T P I L S W L Y L A S Q T
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L S E N V E N F G V A C Y E E G Y E L Y K A G I K G E I L L L L G A T P F F E N I
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A L A A S Y D I T T V V H S R E S L E R I H L T G R A K P L T V V A I K K F D D T T G M
D L A T K Y D I R P L M V S V A Y L E L K L L D H L T D K Q K T L K V H A I H V L N T T G M
E H F L K H D I R P V L V S G S L E E L V E W S E L C R G K G S F P A A H I H V L N T T G M
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E E C I N A G L I P V L Y S R A A M D R W A S V C R A L D V P S V I K V D D T T G M
P S I I Q Y Q L E P E I Y S L I K G L N A F T E Q K K M H Q Y P V H I K L D D T T G M
Q V I Q H D L I Q T F L S T D Y A K K A A W C K E H G V I M H G H V K V D D T T G M
R R A L N A D L D L S V S T T D Q L A A L A A A S A R R A R H L K V D D T T G M
P L L L K Y H I I Q T V I D Y D Y G Q Q L N A M Q L P L Q I H I A I D S G M
K L A W K H Q I I P V V A N L A W Q K V F P M E S T N K P L L V A L H I V D S G M
A D L T A A N V D I G V S S L A H L H G I A E A A A R T G L P V Q L K V D V G L
C E F V E H D L I P V L N D P G Q V A G D W R A A A L R G R P P A A I K V F D S G M
E T L F T H H L E P E V Y S F E L L S G L R E Q A V R D F P I H I K V D S G M
I A Q K E S L S I P I C D L E Y W Q L V K P H I A E S L P L Y L H L V I D S G M
K K A L L N N L E L C Y F N Y E Y A A T T I N E L A L N L K A K I H L K L D T T G M
N D I V K Y N L E P T L Y S Q R I A Q L F L D Y A K I L Q Q L P V H L K C N T T G M
P T L F E Y D L E P E V Y S F R L E A L I H E A E K T H F P I H V K L D D T T G M
N K A I Q H R V A L T V N S Y A W L N E A L K Y D L E K D L W L H V I L D D T T G M
A E L R Q L S L F P V I P S L Q Q L E D L R A A P Q D L P C A H L H F D T T G M
R E A I A A D V D V S V A G L I E Q L E A V A E A A R G R R A R V H W K V D D T T G M
R A I I Q F G L E P E I Y C M K G L A F L K T T E E K K L P V H I K I D D T T G M
E F V A Q S G I P L L N S W S T I E D W Q C Q K K N K F P A I H I Q V D T T N M
D I I Q H D L T P I C N R V E E V K T W L E A Y P D R P Y G L H I F D D T T G M
E I I D S R L E P G I P N I G S L R L L C H D T L E K R G L P I K L V D S G M
D V C A A E G F E P W L H D G R Q L A W Y R H A A K P A C W L K V D S G M
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UniRef90_B9DMI9	G	R	L	G
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Y Q G G A D L F G V N S L E E A K L R E K Y S E F K I L I M G E I P G L A E
L R A D V H L F A V S R L E E A K R L K E A L P D E E I F L L S P Y G T E K E A
L Y A N C R I F F V A Q L S E G V A L R K I L P T D A M V V V L N G V M P E A M
L T D N G I M F A V S T M E E A L K L R K E G L K E S L L M L S S T A I E K D D L
E G V G I R H F S A F S A D E A I R V N N A S K K S Q I M I M G M L E N K D L
C E K M G I D L A V L N I E Q A R D L R E N G I T T P I L L L G A T L E S N F
L W A G C R T F F V A H L S E A E R A R A A L P E A V I Y V L N G L P G S A
L R A G C Q T F F V A Y A E E G L I V R K A A G A A R I F V L N G P V R S E M
L V A G C K T Y F V A H I F E G R H L R A L S R D A V I Y V L N G L L P G T A P
A E K T I D Y L F A V Y T A E G V E L R K A N H L P I M I M I N I L D K E D F
E K A G V S H F A T A S A F E A E E V M D A K S E N S E V M I M G I Y D E D I
L Y E E C R H F F V A H G I E G E R I R N L V P E A A T Y V L Q G L G E D S V

	90	100	110	120
UniRef90_UPI0003636B69	E L V R A S K I T P V I N A L P A L K G W L G L S D T P E Y A V H I D T G M			
UniRef90_UPI0003779C5D	S W F K E H N L I A T V I G D I N D F D T L V L D G T Q Y P M T P A A L H H G A V D T T G M			
UniRef90_UPI00037CA1C8	E A V T I K E N D I V P A L Q N T E L L C Y A Q Q E L K H N A N P M T P A A L H H G A V D T T G M			
UniRef90_E6UD01	A E I L V K Y N D I V P A L Q N T E L L C Y A Q Q E L K H N A N P M T P A A L H H G A V D T T G M			
UniRef90_UPI00036EFED3	D T A I A A D L D L G I G D A G L L E E L A S D A A H A A T V R V V H L K I L D T T G M			
UniRef90_A8S1K5	E L Y I K Y N H L I P T I Y S E R E D A K A I S D A A S S P V P V H F H K K A F D S G M			
UniRef90_E4KZ64	E D A I Q N H I T L T I Y S E R E D A L V L N E L A L K E E A K I V H F H K K A F D S G M			
UniRef90_UPI000475656E	R A C T E F D L Q P V L H S D A T Q L D H L D G A G V V L P V I V V W V K L N T S G M			
UniRef90_D4H827	E E A Y E H N I F T L N D N D T K Y N E F L Q R E K N L H A N V I V V K L N T S G M			
UniRef90_UPI00035EA505	L L A E A R L R P V L G S L P E E E W A L F C Y R E R K N V K L E A A L H I N T S G M			
UniRef90_UPI0003746802	M H A A N H L R P V I G S L G E L K D W A S Y R A Q G G T G E A A L H I N T S G M			
UniRef90_J5KNB5	L N L Q K Y N I N T V I H N E Y Q L E L H K K L N E F S G V W F K K I N D S G M			
UniRef90_F3B8Y4	E E V V R Y D L I Q T I V D E R Y G E E M N K C K L N E F S G V W F K K I N D S G M			
UniRef90_UPI0003FA0696	K T L F D Y E L E P E V Y S F R L L D A L V K A A Q K E G I P V H V L K L D T T G M			
UniRef90_Q72DH4	Q L A A S S G I P T V L D F D A G L E R L A A Q G P E R F S P V R V H L K K F D T T G M			
UniRef90_CQQTW6	D Y F I E Y N L Q P V I S D D I A G L Y L L A A Q K D R F S G S V V H L K K F D T T G M			
UniRef90_C9ACG9	K E L K H Y S L I Q T V I V S E A H G H A L A A Q T S P T E C H L A V D T T G M			
UniRef90_H1C6U2	P L L A R Y R L T Q T V S T E V H A R A L D A C G R R L A V H L K K F N T G M			
UniRef90_K2P779	K D I I K F N L Q P S I Y S Y P V L E S F L K V K Q E N Q Y P V H L K K F N T G M			
UniRef90_U7VAR3	E A E K K N L Q V T L T D L S Q T K Y I N E K G L S L K V V H L K K V D T T G M			
UniRef90_B5YIM9	E G V F K Y N L I P V I F D Y R Q A E F L S K S R R G V I L P V H L K K V D T T G M			
UniRef90_W9GCW4	A E A V A G V L D L S V S S P A D L A A V A R V A G A P R V H L K K V D T T G M			
UniRef90_D6DF12	P L L W K Y R L T Q T V V D Y P Y A Q S L N A C R K K V Q V V H L K K I D T T G M			
UniRef90_B5IPT4	D K A V R S R V L P L I Y S L P Q A Q A L V R T L Q S M H L E V H L K K I D T T G M			
UniRef90_L0ES33	S L F N S R K L I P V I S S Q E Q L D F Y M S M L T H Y P Y C C C L Q I E D T T G M			
UniRef90_B7A8D2	E A A L R W G L T P T L S T A A R A L A E R A W A L G L T P R A H L K K V D T T G M			
UniRef90_I3TLS5	A D F L A F H R I R P V L N G P D D L D R W T R A A Q G G G P L P A A L H I N T S G M			
UniRef90_UPI000367134B	N K A I Q H R I A V T A P N L E W I K S H V K E K Y D K E V V H L K K V D T T G M			
UniRef90_W2UQY6	E W A I S N E I S F F V F N F E R I E L K T A K R L N K K A R I H I E L E T T G M			
UniRef90_HOF7T6	L L L D A S G H L H V I T H A A Q L L E W L A Q A P L S Q R P A V W L R Y A G D T T G M			
UniRef90_B1MWQ2	L M A V Q H I M A T V V S L D W Q L Q E A A Q Y L T G E Q R L H V V H L K K V D T T G M			
UniRef90_UPI000403A47A	E S I H H L D T I E E Q V G T M E A A K Y L S D A K R N K K L V V H L N I D T T G M			
UniRef90_UPI00037846A1	A Q L T D H D I D I A V S V Q D L H R V A E A A T G K Q A S V H V I Q L E D T T G M			
UniRef90_C3WCX6	D I A D K N S I Q T V V G N W E Q L E Y I K K N N L K V G I H I I L E D T T G M			
UniRef90_UPI000429229C	A W A T E N N V S F Y V F D K I Q K T I K V A K K L Q K A R I H I I E V E T T G M			
UniRef90_B0T184	G D L V R F S G L T A S V S D V D Q L A Q E A R R Q G R R L P V H L K K V D T T G M			
UniRef90_G7QCE2	A M L L G H S I P A F V I H D F G Q L E R L A R K R V K A R V A L H I D T T G M			
UniRef90_Q2W5H6	E F A A H G L I P V L N S L S Q M T G W A S F A K K G S G A P V A I L H I D T T G M			
UniRef90_U1RGU4	L E L T I E Y N L I P V L N N L N Q K L W Q K F S N N K L L P C Y H H F N T S G M			
UniRef90_UPI0002F69664	E D A I K N E I T L T L F S L E D A L S L E E K A R G K K A K I H L A V D T T G M			
UniRef90_S4ZQ21	R E V I E N E L T L C G F S R E Y I A K V N A V A K Q Y K A I I H L K A I V D T T G M			
UniRef90_I7L9Y9	A G L L A R G V E L A V T S P A H A R A V A A G L G K R A R V C H L K K V D T T G M			
UniRef90_S3UP12	K E V S D R N Y W I L V S R T E S V R A L A K C D P S P Q I H H L K K V D T T G M			
UniRef90_A1SMF0	A A A V R A G V D L G V P G L P H L D A T T A A R G A R V H L H H V D A G M			
UniRef90_R6CRJ0	A E L E K Y D I Q A V L D I P Y A R A L V K A G L K K P G R V Q C H I A V D T T G M			
UniRef90_H1X768	K L L A D N Q V M A T V L G S L A W L E A E Y L S P D G P R L Q V N L A I V D T T G M			
UniRef90_F4GQK3	E D P I L Y P L H L I I D H Q E Q L A A I Q S L R P P F S P H V V W L R Y R G R L			
UniRef90_UPI00046F108C	R E A L D K N F E F F V F N L G R L E V A L E E A R N K P A K L I E V E T T G M			
UniRef90_M4Z955	D D Y A A I N C R P V I G D L G N E L A E W D M F C R G W K G G A I H I V D T T G M			
UniRef90_D7N640	N V A V E N N I T L A I Y N Y E S A R T L N E I A Q N K T A T T H I A L D T T G M			
UniRef90_C0BIJ2	T L L D A C L E P C L Y S T N E E G F K K I L L E K K I S H Y P V H K Y N T G M			
UniRef90_G9PH54	E A A L R A K L D L S A S T V E V L Q A I L A A E D T C A Y V H L K K V D T T G M			
UniRef90_K2QTC2	E I F F E N D L V P I A S E E Q L A F W M V L I T E R G P Y P C A L H H V D T T G M			
UniRef90_C6HZ47	Q L C Q N L R L T P I I H H M D Q V R A L E R F S P E P S L D V H L K K I D S S G M			
UniRef90_T0HV73	A A C A A V G A V P V L N S L D Q I E R W E A S A R L H A R L P A V L K Q V D S S G M			
UniRef90_A0A022LV32	R D A I D S A V D L G V S N V A E L Q R I V D A V D Q R P A R V H L G G V D S S G M			
UniRef90_C1DXT9	E L F N R Y S L T P V I S D F S H F E V A Q K L E H K K I K I K K F D T T G M			
UniRef90_E7GS80	P Y A V Q E N L L P V I F R T Q D A A L L S A L A Q G R T A R V H I K I D T T G M			
UniRef90_R7M8L9	N E C I E N N V T I T V H D Y E Y F K E L Q K L D Q K P L K V H I K I D T T G M			
UniRef90_UPI0003B55D27	D D L I V H D I D V S V G S L D W G L D A V G A A R R I G R R V H L K K V D T T G M			
UniRef90_B9YDE9	L L L R Y D L A V P A V S L D W W G L P V R G L R V H L K K V D T T G M			
UniRef90_F0RLQ4	P A L V A A G V Q L T V S T Y A E A A A L P S G A R A H L K K V N T T G M			
UniRef90_C5NX45	K Y A V E N N V S L T C P S K L V W L E K C E M E T L K G K L K I H V K I E T T G M			
UniRef90_UPI00047CAC3F	E L Y A A H R L S P V L G S H L G E V E R W R W Q E R G Q A A L H H V I D T T G M			
UniRef90_H1PR73	E I A A E K N F Q I T I S S M R Q I E F L E S N K I N A E I H I I K I D T T G M			
UniRef90_S2DRF8	P W A L F R E F T S F F V Y N Y E R L P K A L E A A K G K P A K I H L I E V D T T G M			
UniRef90_K2FW28	K N M D F H E T S L V V Y D D L E T I H E L W R I W K N V K I H L I K I D T T G M			
UniRef90_UPI0003804987	D I V A E H Q L G M V I H R Q Q Q L Q W L L A A W L S V R I D V V W V N L N T T G M			
UniRef90_X1L532	D T F V E E D I R L S L H S L E D I R A L H H E A T G S E Y A V H M K V L E T T G M			
UniRef90_K1KZK6	D Q L V E K G I S F Y V F E F D R L E A A I A K K I N T K A K A V H I K V L E T T G M			
UniRef90_H0Q4H3	G E F V R H R L V P V L N S L P Q L T A W Q K L A L D T V L P G V L Q V L D S G M			
UniRef90_X1RQG3	E S L L H D I L T P A V C D I E M V E F L S Q L A L K M N A K V H L K V D T T G M			
UniRef90_I0IRC2	E S V I S S R L T P V L H H P D Q V A S I P K Q E G S R R V P V H L K K F D T T G M			
UniRef90_G9AIY7	V T C A D A G V I P V L N S L E Q F R W S S A K L G R V L P A V L Q Q F D T T G M			
UniRef90_UPI000374D208	T T A C G H R I D L A V P S G R E Q L A A V V E A C Y R A R A V H L K K I D T T G M			
UniRef90_UPI00031BB0B1	L A A E Q H N L L L L N S R E Q L E A W H C R L R N R A P A G I H V L D T T G M			
UniRef90_X8K745	H K V A E L N I T Q T V F S L H Q A R L L S D I E L S T R T K I H V K L D T T G M			
UniRef90_A0A059F7K9	H L F H A H S L I A V L N S P A Q I R L W S D A G S L P C A L H H F N T T G M			
UniRef90_A0A059G8E5	S A Y V T A G L T A V L N S P D H I V K A W A N A P K G T A A L H H F N D T T G M			
UniRef90_E8PQX4	E E V L R L N L L P T L S T L E A A Q A L A G R A R A L G L R A H L K K V D T T G M			
UniRef90_I0XQW2	R E I V S D P N F W L I V S R T Y E V R I L T N C K P S P Q T H L K K V D T T G M			
UniRef90_E6U411	E E I V R L G L T A T V G S Y G S A V L L N G L K A G T R C R V H L K K F D T T G M			
UniRef90_B7LUQ6	V F C F A Q Q I T P L L N S I D Q V M A W L T L L E T R Q Q R V M I Q L D S G M			
UniRef90_R6P763	R T L V K N K I L T I V G S K E D I I A E K L E E N Q T R V H L K K I D T T G M			
UniRef90_I3Z2J8	E E L I K K G I S F F V F E F D R L E H T V N A K L Q I K A K I H I I E V E T T G M			
UniRef90_UPI000361836D	E Y L V K Y D L M Q V I I N Y D Y A L K L N Q F G L D H G C K V H V K V D T T G M			
UniRef90_B0UL34	P A Y R D R A L R P V L G S R E E I E E W F C R A R G S E R L P A A L H H F D T T G M			
UniRef90_Q0C490	A T Y R D A D L T A V L S S E A H V K L W G T A P K G S C A A H H F D T T G M			
UniRef90_UPI000427B5B6	A Y A A Y D L R P V L A S I P E I E E W L Q F I A F S G A L P A A L Q I D T T G M			
UniRef90_B3G437	K L Q E Y N L E L V I Y S I L L Q Q L M I W Q L C S F P S T H V K I I N T T G M			
UniRef90_A3HV20	D W A V E N G I E F V T F N Y A R L P L V L K Q K L G K K A K V H I E V E T T G M			
UniRef90_R6J6S7	D S F R R C R L I P V I G S P E M F A W W K E N R L E G I K P V I Q V E T T G M			

UniRef90_UPI0003636B69 N R L G V R L E D L J A A L K S L T A A N S P V V H I M S H L V D S D D D R S R
UniRef90_UPI0003779C5D G R L G I P Y S Q Y E L A I E K Y K S S P Q L T C T G I Y T H F A T A D D V L D S
UniRef90_UPI00037CA1C8 N T R L G L Q I K D L K Q D V L Q S T L K S S P N R I G W I M S H L F A C A D D D P N H
UniRef90_E6UD01 T R L G V H A E E Q A D E L A K V S A L P N I S L E G W I F T H F S S I D D A D E D
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UniRef90_S4ZQ21 N R L G L K T K E F I D D V V A L Y S L P N V H F T G I Y T H F P V I A G S D Q P
UniRef90_I7L9Y9 H R N G I A E D D L E E A V R S V L K S A G A T I T G V M S H L F A A A D D P E Q
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UniRef90_A1SMF0 A R D G A A P A T W G Q L C R A A R R A E Q I Q V V G V M G H L G C A E D P T D
UniRef90_R6CRJ0 T R I G I R A E Q I A Q G I C E I A A M D K L L A E G A F T H Y A V A D E D C
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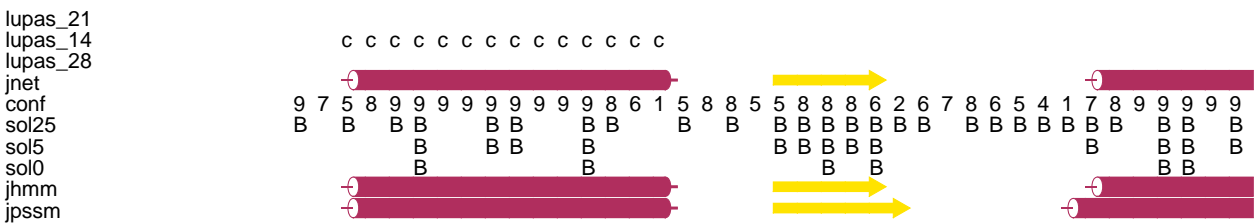
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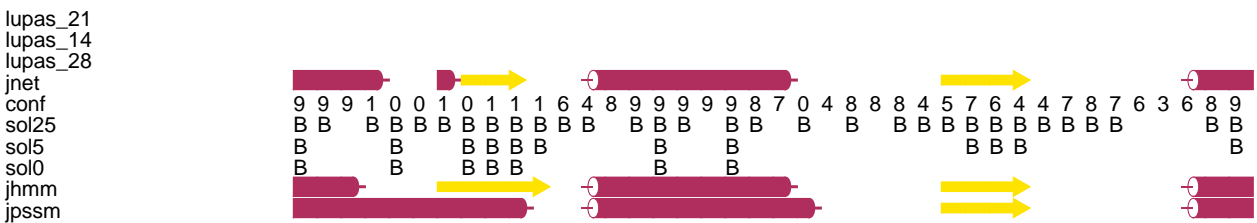
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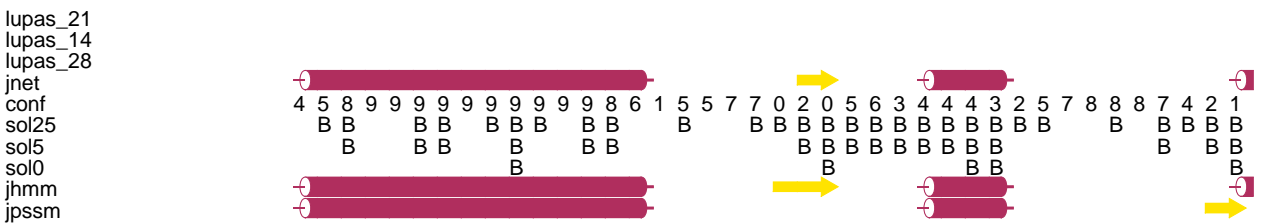
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