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K R L Q V F I H G A V Q G V G F R P H V Y R L A R D L N L V G W V I N N S
R S R V R V R G L V Q G V G F R P H V Y R L A D S L L G L T G W V L N D A
S V N G V L L R V R G K V Q G V G F R P F V W Q L A H R L K L V G D V C N D A G
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M K R L H E I K G V V Q G V G F R P F V Y R E A Q H L G L T G W I Y N D H
T N R Q R L S L I I R G A V Q G V G F R P F V Y R L A T E L A L V G W V N N S S
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N N L K R L K I I I Q G A V Q G V G F R P F V Y R L A T E L E N L K G W V V N N S A
T E L K R V R L I V N G I V Q G V G F R P F V Y R L A C E N L T G F V L N N P P
N I Q E R L R I V R G R V V Q G V G F R P F V Y R L A T E L E N L T G F V L N N D P
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L R I R G K V Q G V G F R P F V Y W R L A H Q L G R V G D V C N D G
R Y K Y I I N G I V Q G V G F R P T V Y K I A T S L N L K G Y V L N S S P
T T S A R E R L V V T G Q V Q G V G F R P F V Y R L A M E C G L L S G R V A N T P
T V C A K I R V S G Q V Q G V G F R P F V Y R L A H E L G L T G F V L N D S
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M P G R A I R V R G V V Q G V G F R P T I V W R L A R Q Y G L R G E V W N D G
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S K V C I I A W I Y G R V Q G V G F R P F Y R Y T T Q Y E A K K L L T G Y A K N L D
R I E V R G I V Q G V G F R P F I Y N L A A K Y N L L A G W I N N T S G
R I R V R G L V Q G V G F R P T V W R L A R E C G L I G D V C N D G
S T K R V R L A V T G I V Q G V G F R P F V Y R W A T E L L G L L G L T F N H S
T T R R L R L C V H G V V Q G V G F R P F V Y A S A A L L G L S G S V R N D T
P K A I L V R I K G R V V Q G V G F R P F V Y Q L A K K Y G L K G T V Q N N M
S E V I R V D V Q V K G I V Q G V G F R P F V Y R L A H Q H D L K G W V T N D A
D D L V R R K F T V S G Q V Q G V G F R P F V Y R I A A D H A L T G T V S N T A
R R Q L H I T G I V Q G V G F R P F V Y R W A T E L Q L T G T V L N N A
R R E F H I D G I V Q G V G F R P F V Y R G L A L R D H G L T G T V L N N A
Q A L K R Y K L H I T G I V Q G V G F R P F V Y R Y A L D N Q L T G T V L N N A
N G L C L R I K G K V Q G V G F R P F Y V W Q L A H R F G L H G D V S N D G G
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Q T T S G V E I R V K G K V Q G V G F R P Y V W Q I A H R L G A K G S V L N D G
A L D I Q V K G I V Q G V G F R P F V Y R M A K K Y L I N G W V L N A T
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F Y G R V Q G V G F R P F T T Q H E A Q R L G L T G Y A K N M D
R R K V L V K G I V Q G V G F R P F V Y N L A E S K G L S G F V T N S A
A V K L T V I V Q G V G F R P F V Y R E A L S H H I T G W V L N T T
R E A L D I R V H G I V Q G V G F R P F V Y R A A K H N L I D G W V L N G I
S T M Q A L R V R V A G I V Q G V G F R P H V Y R L A V R H G L K G Y V L N L G
M T G Y R I I I I K G I V Q G V G F R P F I H K L V Q N Y N L S G W V F N S N D
T R L S I T V R G A V Q G V G F R P F I Y R L A T E L L Q L N G W V N N S A
V T I V K G I V Q G V G F R P F I Y R L A T E L L Q L N G W V N N S A
M M A K K I L T Q G I V Q G V G F R P F Y I Y R L A K D L N G Y V R N L G
Q Q R V R I L I I N G I V Q G V G F R P H V Y R Y A L E Y Q L T G T V L N D S S
A V K I L I N G I V Q G V G F R P F I F K L A R E L D I K G W V V N N F S S
M R L C V R G V V Q G V G F R P F V Y T T A T A L L G L T G S V R N D S S
D P V R R V G V R I E G I V Q G V G F R P F V Y R H G L A E R F G L T G H V S N D A G
K N G I Q L R I K G K V Q G V G F R P Y V W Q L A H Q C A F K G D V C N D G
P V R L H I C I Q G C V Q G V G F R P H V R L A Q S L E L T G W V R N Q A S
S M I C Q N I R V S G V V Q G V G F R P F V W R L A R E L L G L C G W V R N D S G
R I R V E G I V Q G V G F R P F V Y N L A K S Y N L K G Y V K N C
A A A R R R I T V R G I V Q G V G F R P F V H G L A T E L G L S S G V R N D S
T G R R R V R I D V R G V V Q G V G F R P F V Y T R A T A L L G L S S G S V R N D S
A R E R R A F R V S G I V Q G V G F R P F V Y R I A A K Y D L S S G W V L N D S
T K A A T D F R V R G L V Q G V G F R P F V Y R I A L E L G L T G Y A R N M D S
A R L R L H V R G A V Q G V G F R P Y V Y G L A T R Y R L G G F V V A N D P
A R A R I H C F I S G R V V Q G V G A Y R A T Q R E A T Q L G L T G W V R N C P
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QUERY	50	60	70	80
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UniRef90_D3SMR4	S G V T I E V E G D L D E F L I R L H T E K P A L A H Y I Y S Q E V E Y L E P V G			
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UniRef90_A3QDS8	K G V T V E L Q G S I L H A F V E A L L T Q T P P P L A R I D S S L S Q T E L P L E E G			
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UniRef90_X0SQ83	G G V E I E L E G K V D R F L G E L I E A S P P P L A V V S S S V S A E E M D P A Q G			
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UniRef90_A8UU8F	R G V L I E V E G N E K D F L R L L H E K K P P L A H H L F S S Q E I T E L L P P K G			
UniRef90_Q315P0	Q G V F I E A Q G T P Q A G F G T D K P P L A R V V S T R E E D I P P R E			
UniRef90_K9ZG17	E G V L I R V Y G S E E D F V E K L L Y Q E C P P L G R I V K E V T C Q P Y R W A T E			
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UniRef90_M1MSY2	E G V Y I D V E G E E E K F I N N L K L K P S L A K I E N I I Q E K E L I			
UniRef90_B9L1W3	Q G V E I V V E G P E P A F L S E N N P P P A A R I A S I I S V Q Q T R P L			
UniRef90_UP10002F788C0	D G V L I E V E G A P D D F L R A L R G E K P P L A V I D S I I D V A H I D P R R			
UniRef90_V0Q3C0	D G S V E V V A C G V E K L I K W L K E G G P R S A R V D K I I L T E P H S P R E			
UniRef90_B3QY17	U G V E I E V E G E L S A F L R E L E N F A P P L A S I T E M R V E K I I P A K G			
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UniRef90_X1N4X9	Q G V E I D L E G K E E E F F I S D V K K K L P P L A R I E E K I I E V N Q L P L I G			
UniRef90_H2JH40	S N V I I E I D G D A A D F I I D E I I K K S A P V L S V I E S S I E Y N E V E Y Q G			
UniRef90_K9TSK4	E G V F I E V E G S R E Q F L L R L E R E K P A I S F I Q S L E S T W E P V G G			
UniRef90_Q081W1	L G V T I V L Q G N I I E Q F I I D K L L A K S P P P L A R I D A I I E V T H Q A Q L S			
UniRef90_A5UM83	N V V E I I L E G D I D L F I I D R L P K E C P P I A K I D S M K T E D I A R E S			
UniRef90_L8JAB6	Q G V T I E L Q G D K R Q F I I N C L K E M P P L A R I D K F E V V I I P I I S			
UniRef90_W0EMC2	G G V E I Q A E G E V E D F I I R R I I R A D Q P A L A V I V S L E I T E I P V Q			
UniRef90_A1UEX2	A G A V V E I E G D P D A F V E R R L H T R P P P L A V I E S V D I E D L P P V G			
UniRef90_Q3AT69	L G V L I E V Q G S L D S F C T A L L H Q P P P L A R I A S F E M H F I I P C V F			
UniRef90_H5XLG6	A G V V V E E A E G P C E A F L K A L L C A D A P P L A D V E Q V S V A D I P P G G			
UniRef90_D1P1N3	E G V L V R F L A D A D V F T E L Y Q H C P P L A H I I E S V Q S Q P F D W D E			
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UniRef90_I3VT62	S G L Y I N V E G D I D A F L S E L K E N P P K L S K I D E V F V E D C D V V G			
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UniRef90_D6DUC0	D G S V E V V A C G E E K L V A W L K A G G P R S A R V D K V L T E P H Q P D R			
UniRef90_L1N399	A G V G I E A E G T L D A F A D A L R T E A P L A A S V T A V T F D I P S Q G G			
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UniRef90_A5UM83	L F D Q F S I R
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UniRef90_D5VRH5	D G R E F V I R
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UniRef90_D6DUC0	E Y A N F S I R
UniRef90_L1N399	E E A F F R I R
UniRef90_K1JL48	M E G F S I R
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 20 M R K V K I L V S G R V Q G V G F R P F V Y R I A Q E N R L K G Y V K N M G
 30 T K I A T V A Y V Y G V V Q G V G F R P F V Y R S T Q H Q A M R L G L N G Y A R N C D P
 40 N T K K R A H L L I S G R V Q G V A F R Y Y T I D M A Q S L G L K G W V K N C W
 50 A L V T R R F R V S G I V Q G V G F R P F V Y M L A Q Q H H L S G R V Q N T P
 60 Q A K Q I E I A G I V Q G V G F R P F V F T L A K K Y H L G G I V Y N T S
 70 R V R L R V R V T G V V Q G V G F R P F V Y G L A T R L G L A G F V G N D V
 80 M K R L E I L I T G T V Q G V G F R P F V H V Y R I A Q S L T L T G W V K N T T
 90 T A V Q G R L L R V R G V V Q G V G F R P M V W R V A R A L G L A G S V H N D A
 100 N S K K R Y L I K I E G I V Q G V G F R P F V Y N R A T E F N L K G Y V K N K G
 110 V R V R V I V K G I V Q G V G F R S F I R R H A T A L G L T G Y V R N L P
 120 M N T Y K I E I E G T V Q G V G F R P F I Y S L A A R F N L K G S V L N G T
 130 T K G L S I L V K G V V Q G V G F R P F V Y R L A K K L N L S G N I R N T G
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 200 R S A K S I R I R G L V Q G V G F R P F V W Q L A R G L L A G H V L N D G G
 210 R I L V S G V V Q G V G F R P F V Y R L A K M E K L R G Y V K N C
 220 M H L Q I Q G L V Q G V G F R P F L Y R L A V E L G L T G W A N N T A
 230 R K F L H I T G I V Q G V G F R P F F V Y Q Q A T R L L K L A G T V I N D S S
 240 S K S R L I Y R I E G I V Q G V G F R P F V Y T L A S R Y A L S G F V L N N S S
 250 M E G L E L R I K G K V Q G V G F R P F V W L L A N R H N L R G D V N N D G
 260 S D Q V R A H V H V S G N V Q G V V F F R A T T R D T A E E H G V D G W V K N L P
 270 M R I A G I V Q G V G F R P F V F R L A A E L L G L T G W V R N S S P
 280 I R Q R I L V N G I V Q G V G F R P F V F N L A R Q L Q S G F V T N T S S
 290 R K R Y I I T G Q V Q G V G F R P F V Y R I A L E N V T T G T V S N T S
 300 M K T E S I R V R G T V Q G V G F R P T V Y R L A K A C C G L F G D V C N D G
 310 A V A R R R L T V T G V V Q G V G F R P F V H R L A T G L V T G F V G N D A M
 320 Q K A V N I T V K G R V Q G V G F R P F I F A L A M R H K V K G T V Q N N M
 330 I R A R G V V Q G V G F R P F V F R L A A E L L G L T G W V R N D G
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 360 R I R V Q V E G I V Q G V G F R P F V Y R L A R R R H Q L T G W V R N T S G
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N Y V E I V V E G D E K S F L N D L K N K K P P L S Q I N E S I K I K D I D L V G
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D G V D I I V V S G N T D T F I N D V T K P L A K I E K M D I Y A L D S R A
D G V E I V M E G E E D K V L I N W C Y R G P G S A I V E K V D I E W E K Y R G
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K G V L I N V W G E E E D F I K G L K E E A P P L A R L L E K I I T S P I N G T
S D V V I A V D R D A E E F V R R L K A E P P L A R L L D S V E L H E D R S D
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 M K R F K Y E I S G L V Q G V G F R P F V Y N L A L K F G L T T G E I Y N D D
 A I R V S V R G R V Q G V G F R P F V F G L A D K Y Q L T G T V Q N N M
 M K R L F I K V Y G K V Q G V G F R Y Y T Q Q K A Q Q L G L K G W V R N E M
 Y E F H L Q G I V Q G V G F R P F V Y R I A T Q H K L K G F V C N D T
 I L V T G R V Q G V Y F R F T V D N A Q K L G L V G F A R N T L Q
 R I R R N L R I S G I V Q G V G F R P F I Y R L A L K H C L G G Y V R N T P
 V K V N I K G R V Q G V Y Y R A E T K N T A D R F G V K G Y V K N L S
 V Y G V V Q G V G F R Y S T Q R Q A E L L G V T G Y A K N C D
 S S R T R A H V Y V S G H V Q G V Y Y R A T T R D T A R D L L G V D G W V K N L S
 S A A C F K A W V H G R V Q G V G F R Y S T Q A E A R T L L G V L G Y A R N L D
 T T L K L R H I F V T G K V Q G V F F R K Y T Q K T A R E Y E G V T G W V R N T T
 N Q K M Q R Y I L I S G K V Q G V G F R H F T R Q N A M K L G V H G Y A K N L P
 K I W V H G L V Q G V G F R Y S T Q A Q A R E L L G V K G Y A R N L D
 K V A K F I R V T G T V Q G V G F R P F V F K L A K Q A G L S G W V L N G P
 R C Y C R L L V R G V V Q G V G F R P F V Y T T A A E L L A L S G S V A N D S
 M L R K R V Y I I S G K V Q G V Y F R V Y T R D A A V K F G V T G W V R N L K
 A R L L H V T G T V Q G V G F R P F I Y Q L A K S H R L S G Y V K N L L G
 K A Y Q L L H V Y G H V Q G V G F R Y L T K M L A D Q L K L S G M V K N L P
 K I T Y Q I L I N G V V Q G V G F R P L I W R L A H A H Q L N G E V F N N T
 R K T V N I R A F G I V Q G V G F R P F T A V A A E E L L G L V G T V A N K G
 R V R F I V E G T V Q G V G F R P F V Y R I A K K Y H L N G W V L N D S
 K Y Q V K G I V Q G V G F R P F V Y R I A K K Y H L N G W V L N D S
 H V Y I I S G R V Q G V G F R Y S T V E T A T Q L G L K G W V R N L P
 C R V R L Q I T G V V Q G V G F R P A V A R L A R D H G V G G F V Y N D A
 R I I V S G R V Q G V G F R Y T V M Q K A L E Q G I N G W V R N N E
 T Q V C I A A Y V Y G V V Q G V G F R Y S T Q R Q A E A L G V T G Y A R N L D
 S R V S I A A Y V V A G S V Q G V G F R Y S T Q R Q A E A L G L T G Y A Y N M D
 R T R A H V F V S G T V Q G V Y Y R A N T R D T A R E A G V D G W V K N L D
 S P A R W H L V V T G R V Q G V G F R P F V A E R A R R L G I T G S V G N T P
 T E K R V H I I V R G L V Q G V G F R P F M F V H R E A S A R R L G I T G S V G N T P
 R V R F I V E G T V Q G V G F R P F V Y H L A Q Y K L N G F V R N D G
 K T F Q I I I S G Q V Q G V G F R P F V Y G L A H Q Y R L K G M V C N N E
 M K R F H L V V H G R V Q G V G F R Y F T Q H E A L K R Q L T G W V R N N D E
 P I R V K V K V N G R V Q G V G F R H F T Y K T A I S L E L T G W V R N L E
 S D R T R A H V F V S G K V Q G V F Y R A T T R E T A G E T V D G W V K N L S
 M K A L R V V V T G L V Q G V G F R P F I D R V V R Q M K L N G Y V R N G G
 M K R A R A L I Y G M V Q G V G F R Y S V H R K A S Q L G L T G F V K N L P
 G V V Q G V G F R Y V H A L A T R L R L A G R V G N D V
 M Q A V K L H V Y G R V Q G V G F R Y C T K I V A E D R L G I A G L V R N D A
 S M P A E Q I R V R G L V Q G V G F R P T V W R I A S Q L G L Q G D V S N D G
 R T R A H V F V S G T V Q G V Y Y R A N T R D T A Q G K G L T G Y V L N V G G
 I K I V T V S G I V Q G V G F R P F V Y R I A T E N K L L T G Y V L N V G G
 R V E I R V E G V V Q G V G F R P F V Y N I A K K H G I L G T V R N I G
 A V R V R V S S G R V Q G V G F R M W A R D E A L R L T G W V R N E A
 S K V S R L I I V E G I V Q G V G F R P F V Y R I A K N H S S G S V K N N G
 L T V L V E G R V Q G V G F R A A T V R Q A H Q K L L G G W V R N L P
 S L S R Y E I K I N G L V Q G I G F R P F I Y Q L A H K L I N G W I N N S S
 D D R K A T L V H I S G R V Q G V S F R I W T K T Q A Q R F G L T G W V R N E D
 M I A K K F K V Y G R V Q G V G F R W F V N H T A E S L G I K G Y V M N J M P
 R T H A I I S G T V Q G V G F R Y T A K Q K A D E L V T G W V R N N E
 S S T Q R V R L L I S G R V Q G V G F R F S T R E A A I Q R N V N G W V K N L P
 M K R L N I K I Y G I V Q G V G F R P F V S R L A D A C Q I R G T V C N K G
 Q I R V T G V V Q G V G Y R P F V Y K L A R E R R L A G W V R N D P
 M K R V H V M V E G R V Q G V G F R Y F V Q H E A L K R Q L T G W V R N N D
 M K R Q G I R F T G L V Q G V G F R P L I A V V A R E L G L T G F V Y N D D
 M Q T Y I L N L T G T I V Q G V G F R P F V Y K I A T K Y F L K G Y V L N N N
 M K R V L I N V N G K V Q G V C F R R F A L S K A Q E L L G L T G Y V S N I E
 R H R L T V R G V V Q G V G F R P F V S R L A G E L G L T G H H C G N D E
 F S I Y G R V Q G V G F R F A T Q Q Q A N G L G L T G Y A K N L D
 K T S I A A Y V Y G R V Q G V G F R F A T Q Q Q A N G L G L T G Y A K N L D
 D S L V R A R I L V R G V V Q G V G F R A S M R E E A L R L G L S G W V R N L P
 A R L L H I T G T V Q G V G F R P F I S Q L A K V H G L F G Y V K N L G
 R Y Q I R V T G R V Q G V G F R Q A T L N Q A Q Q L G L T G W V H N L P
 M Q R K H I Q V F G T V Q G V G F R F Y T E R I A R E Y N I K G T V Q N V E

	50	60	70	80
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UniRef90_F5YJF3	D G E V E V W A E G P Q E S L D Q W L Y Q G P P R A R V D E V D A E T K S P T G G			
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UniRef90_I3XWX1	K G V N I E V E G G S L E A F E K A L F Q E L P P L A R I D F F S K E V L T C K H			
UniRef90_A0A023CPC0	S G V E I I H V E G D I I S F I K E I R E K P P V L S K V T N L E I K D A A I Q G			
UniRef90_R6LK23	K G V F I E V E G D I I S F I K E I R E K P P V L S K V T D I K I I D K E I E G			
UniRef90_I3JYJ7	D G S V E A V F E G E K E A V D S W C R K G P P G A L V T S I D V E K E K Y L G			
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UniRef90_E9IIG8	N G T V I G H L E G E E E M K Q W L R H T G S P Q S R I D K A E F E K E I S Q P			
UniRef90_C0QSG6	D G T V E V M A E G D E D V L K E F I E K G P P L A E V T G L R Y E F I D K D G			
UniRef90_G4T303	G T V E I L I Q G E P D R F M E R L I D N A P P L S K P T L A S W Q T A E P D			
UniRef90_F8JRQ2	G G V V A E V E G D P G R F C R I S A D P P R A V I H S V S H M R V P P L G			
UniRef90_Q74ID8	D G S V I V A Q G D E E H F K K I K A S P S V A A H D H V D L K I I P N T E			
UniRef90_I4C7L1	N G R V E A T F E G E E E Q K M I E W C R R G P S H S R V E D L L K I Y E E S P T G			
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UniRef90_C1DUF7	K G V I I E V E G E E K D F I L S I H N E K P R L A N I F S Q S V E F F E E L K			
UniRef90_M1YUN4	D G V E I H A E G G R D R L L D W C R K G P A M A D V K H V D V E W V S A E G			
UniRef90_Q2YZQ3	D G R V E A V F E G E D K N V D A W C H H G P P T A L V Q E V V A N E E T Y A G			
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UniRef90_K1WC5F	D G R V E A V F E G D Q K I V I E W C H Q G P S A A N V T V K V E Y Q R A E G			
UniRef90_C6RFC6	E G V K I L T L C G Q I E K F E K A L H E E L P S L A R I D E I R K T E L A G A			
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UniRef90_F2NE65	S C V E I A V E E G G L E A F C R D L T D S A P I L A C Q E V V S E D A P P L G			
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UniRef90_C4SZM1	D G S V E V V Q H A V E H L L E W I K Q G G P R G A R V D R L L T E P Y P A T A			
UniRef90_M0HC17	D G R V E A V F E G P R D D V R W C H D G S P M A S V S D V D V T Y E E P Q G			
UniRef90_E1SIZ0	D G S V E V L A E Q V E A L I A W L K A G G P H S A R V D K V L V E P H Q P A E			
UniRef90_S9TZ28	D G V E M V A E G T I E Q F L E R W C H S G S P R S S V T A V V A D D I P Q E E G			
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UniRef90_U2NX57	D G S V E V L I A W G E E A L I T W L K L A G G P R S A R V E E K V L V E P H Q P			
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UniRef90_W5TF03	A G V V I I D V E G A L A A F A D R V R H P P P L A V I S E R I D L P P R G			
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UniRef90_V710N9	D S R V I E I Q G P V S Q F F I S A I K S N P S P A G R V D Q V D I K P L A L D K			
UniRef90_UP100039F26BC	E G V T I I L Q D S L Q L F L S E L Q R S L P A V A R I D C L T V T P I P T E K			
UniRef90_E9SAH4	S Y V D I I A T G E E E A F A D R I K H E P P E R A M V L S V D I S E A E Y T E			
UniRef90_C2UG29	N G V L I I E V E G E I T H F D I L E F N S P E L A Y Q E V V K I E E Q E S N N			
UniRef90_UP10002E8A756	D K R V E A V F E G K R E I V E R W C H E G P P A A L V E T V K V V E Y L A P E A G			
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UniRef90_UP100047ACFB7	D G V E M E V V E G T I T E T F I H S L N K R L N P F I K I T D M K I E Y K E E E A			
UniRef90_X1WQ06	D G S V Q V V Q A Q V D S L V A W L K Q G G P R S A R V E R V L V E P Q G V A			
UniRef90_G9YBV7	D G R V E V V A A E G E Q Q V L W D K L Q G G P R G A R V D Q V L V I E P R P L			
UniRef90_L9Y373	D G R V E A V F E G P E G A V E E W C H T G S P A A D V E N V E A E Y E D P Q G			
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UniRef90_B3QR0	D G T V E I E I A Q G N A G M V D L K V Q G P S R S R S Q V N S I A V R E I A P D N			
UniRef90_F8IBB4	Q G V I I V E E G P Q T Q F T R S K L V T D L P G L A T I T R I R E E N C D I H			
UniRef90_G0L5J6	N G V L I I H I S A S E E E F L H A L L Q K A P A I S V I Q S H S L S E L P L R			
UniRef90_E3IFN6	D G V E L E I I Q G N E E E A F I D T I R E G T L F A K V T D V S I S E I P C V H			
UniRef90_Q3A2F4	D G C V E A V A E G P R Q Q V E E W L K K G P P A S K V A G L T I Q R E I V E G			
UniRef90_C7NY56	D G R V E A V F E G P A S A V E E W C H E G S P R A R V D G V E V E Y E E P A G			
UniRef90_B8D3R5	S E V E V W I E G N E E E F L A A L L Y E K P P P A L I D D V V F E E E I P V G			
UniRef90_D9S210	D G S V E L V V E G D E A L I K D L L K T G L R W A R V D R I I D V D W S E Y E G			
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UniRef90_E7QYH1	E G V L V I R L W A D R H A F C E Q L Q A E C P P L A R I D F I I Q R Q P V D A A P			
UniRef90_M7T5D6	D G R V E A V F E G P E S E V E E W C H T G S P A A D V D D V T V T Y A S P E G			
UniRef90_W4V5F7	D G V H V I V I E G T V K C F L D L E K K K P P L A W L D K I I K V D F G D K E F			
UniRef90_C7MWK0	G L V E I I L Q S S E E E F L K L D Q L D K T N A P I G S E T I G E T E N I N E R K			
UniRef90_W0N844	G G V V I D V E G P R E A F L K S L E V D A P V L A D I V E R V T V V T R P P R G			
UniRef90_W9E1K0	D G S V A A L I A G P D T A I S T M I E R G P S G A S V S A V E T K A T Q L A E G			
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UniRef90_H2J613	D G S V T A L I I A G Q D A A V S A M L K Q G P A G A S V S S V V T E Q A S L D			
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UniRef90_U7QFN3	D G V E L I D A E G N V D Q F I Q A L K N G L T P V I R V E Q I D Q T S T H K N Y			
UniRef90_C9KK63	D G R V E A V L E G S Q E S M I E W C H Q G P P G A V V Q Q V I S V N Q E S P E G			
UniRef90_U5EJM5	P Y V E V F A E G N L I Q Q F V E G I P K K A P E R A A I L K V D V H E V D A A P			
UniRef90_S5ZKH9	A G V L I I E A S G D L D L F T A E L S D R A P E L A R V D R V A V L D R S A E S			
UniRef90_R5BWL7	D G T V E M E A Q G H E S A L Q L F L E A G T M F K V S H M H V E P R P V R P			
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UniRef90_C5QS9D9	D Y V D I I Y A Q G E L E Q F I Q S V I K G A S P A S S V T N Y T I E D L D T D D			

UniRef90_F3YXV7	E F N G F A I R
UniRef90_N6VNT0	T F D D F R I
UniRef90_F5YJF3	A Y R V F S I
UniRef90_E6QTH4	V S G F T V R
UniRef90_W5YFI3	E F S D F G I R
UniRef90_UPI0003B6BB7D	V Y E D F E I H
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UniRef90_I3IJV7	E F N D F S I
UniRef90_R9SPE0	R Y E E F T I
UniRef90_K5ZIRO	T D G F E E
UniRef90_UPI0003B39418	R Y S S F E I R
UniRef90_E9IIIG8	T F S N F E I I R
UniRef90_C0QSG6	G F S D F E I I
UniRef90_G4T303	D L D T F S I I
UniRef90_F8JRQ2	G T D F T I I R
UniRef90_Q74ID8	K F T R F S S V
UniRef90_I4C7L1	E F S D F E I I R
UniRef90_UPI000407457B	P P G D F S I
UniRef90_UPI00036A9638	A L T C F Q I K
UniRef90_Q08NJO	E F P S F T V
UniRef90_X1ZZ3	L F E S F E I
UniRef90_C1DUF7	N Y E N F K I
UniRef90_M1YUN4	M T S F T I I R
UniRef90_Q2YZQ3	E F K H F N I K
UniRef90_D4LQK4	T Y T Q F D I
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D G V T C E V Q G E E E A F V A T I R S G R F I D I D R K E L P L I P P			
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Q G T V Q G Q V Q G P R V M Q E W L K T K G S P K S R I D K F H N E R V I S K L			
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D G A V E V V A E G P E P A C R D L L H T G H T P G R T D R V E A V W Q V A Q S			
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D G R V E V V V N G K K E D I E K L I K E K G S F F A D I V K S V Q T E W E K D E			
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D K P V E A V F E G T V I T E M I R W C H Q G P P A A V L E Y V V V E Y E T S E			
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Q G T I V G K M Q G P D K M L D W L S T K G S P G C Q I E K C D L R N M G T R L			
D G V E A M L Q G S T E Q V A E E W L E D G M P T A L V E E M E I A D I A P P P			
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D G S V T I V A G G N S E Q L T E L F K E G N G W S S I T D Y D E E I L P P Q			
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D G S V Q Q L I A Q G S Q L A V A D K L I S W G A P M S R V E A V V V E E D A D E			
R G T V K G I E G R P D V M K E W L R T T G S P L L S S I E K V Q A Q R E R D R Y D G R E I E A Q Q D R K Q V L L E W C Q Q E P H S T H I R N I L Y R F D D P I E			
D G V T M E L Q G G I D A A F A I R A G N M F V H V E R M D I A P R D T V A D G V E V I L Q G N E E E V L A T I V Q R C P P A G F V T S Y T K E V V S N E P			
D G V L I T A T G E P D K F A S M L Y G C P R V I I R D L S L Q E I P L V I D G T V E A D V E G T K E V V E A M L R Q G P S S A R V D G I D V R R E T P R G			
T G V A L V A S G D L A D F A R Q I K A G V T P W A I V H D L K V T A A R T Q D G V T M E I I Q G T E E N I D R V I L A E A G R Y V K I E N M D S R T I P V E P			
D G S V E A V L Q G H A K E L Q R I C D W L V D G A H V D R L E V H E L P P V I A D G V E I I Y A E G K E E D I F I E V I R T G P R S A V I K E V I I D E Y K K S R			
D G S V I I A Q G D D D Q L D G S V E A M V A G P A E A V D R W A R H G P T S A V V S G L D V M A G E G			
D G R V E V V A E G R E A C A A L F A D A P R P G R A D G A A A R W S P P R G D G T V E V V A S G P I E K L D A L R A A G P P G A R V I C V E V V T V E V Q			
D G H V E G A A V G K D E S V E K L L W E G P S V A N V S A V E I E E E E G S A D G R V C V V A E G S R Q A V A E L L Q R L S R P G S V E T V I P Q Y T D P R G G A V C L R L E G D L E M F L R R L P P Q Q P P G A R L E			
L Q S V E A L L V G E P R A V E E M C Q H G H P W A R V D R F E C W D V P A E G Q G V E I I L V Q R S E E D G R V E V L A V G E S Q Q I E A W L N I G P S S A T V D N V G Y V E I I I A Q G E K G A F L T V L T E T K D M G Y E I I I K F E K E E I S P L A D G V E I I I A E G S E E A F V S R I N I T K Y P I N V T E C N V S W Q E S K E			
D G S V E A A M P A L D D F L I A A C R I G P A A A D V T E L L A E A V P A A D D G V E M L I I A G S P Q A V M A E A C R H G P S F A H V A A V D G V E M E V Q G R V D L F L Q E L L S S D R P G F I R I D R L D I S D I P S V N D G S V M E I I Q G T E E Q I V F A M V S Q G T Y V N I E K M D A K S I L V V E D G V E A D V E G P P D A V M V A H L R R G P A S A R V D G I D V R R E T P R G D G T V T I I A Q S L S H F I H E I R K G P S Q M S K V N Y L D I T I A N F E			
D G S V Q G L E E D I D K I I Q A L Y N D R Y I E I D D I R R R R I S L D E D G V E I V A Q C S S D Q L L L H W A H Q G P A G A R V T Q V E T E P Y T G A D D D G S V M E L Q G P I I S A L M D Q D Y A G W G A N I R L S A A R E K L E D G R V R V L V T G E E V I I E K F L A Y S C P R A I I R D V K C T G Y V L T R G T V T G V Q G P K D K M R N W L R S V G S P M S R I D R F S N E R E V R A L D G S V E I I K K D I I E F V E K M K K G P E M S S V K E S N V I I I P A P P Q G T V I G Q Q I G P N S M K L W L K N V G S P S S R I D R V F S N E R D V S K S G V E G E F Y G A P A A L F V K F L H T G S R N S K V D T V T L T P S A N D G V E V L A V G D M E Q L I Y A W L Q L G P S S A T V D Q V V K H R I D G R V E A V F E G P R D D V E Q W C H D G S P M A S V D E V D V T Y E S P E G D K T V L V V V S G L P D A I D Q L L Q K G P F G S R V D C V L R T S L G V A G D G T V E A L L A G P S D A V E Q M L R G G P V G A R V T A V A V E A A S E A D G V E A E V Q G T E F L K I Y E A R Y I Q I E D L E A K Q L P L K E T S V F A E V E G D E A E F L R R L E P Q A P P L A R I I E R V T V T S V T S T A D G V V I E A A A V Q Q A F C R E L V I P Q A P P L A R I T V C G G E D V E I E A A			
D G T V E A E V E G D D A A V A V L R T G P A A A Q V T D V E V T D V P P A D G T V E A V F S G K P S A V D H I C K T G P I R A R V A N V K V D G S V I A E E D D L E K F I E A V K K R P D G S V S G K V V G G V D Q F I E V I K T G V N D K A K V H S F E T T E I D T P S K G T V R G M E G E I D V M K E W L K N T G S P E S N V E R V K F S R P R E K E D G R V E L V A E G E T A E L Q L F L D S I I H H A I K I H A A R T E G L P I G E A E V E V Q A E G E R K Q L E K L I L E V G P P T A R V Q K V V T N W S K Y T G			

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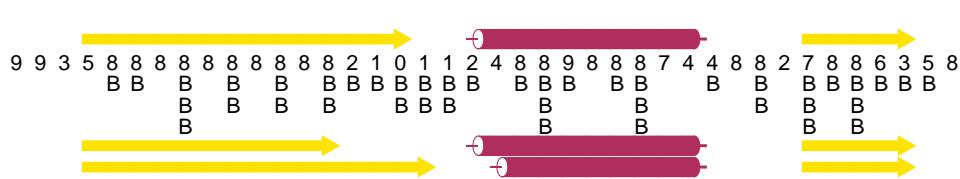
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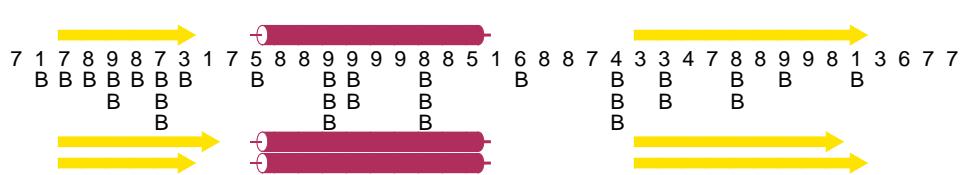
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jpssm



UniRef90_H7I3R5
UniRef90_C0QLW6
UniRef90_N0BI00
UniRef90_F4BVG2

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

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm



UniRef90_H7I3R5
UniRef90_C0QLW6
UniRef90_N0BI00
UniRef90_F4BVG2

P Y S D F K I
Y D D F R I
D F E G F V P R

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm

7 7 6 3 4 6 2 6
B B B

