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

QUERY	90	100	110	120
UniRef90_C6CL30	T I L Y Q F F D Y P L V A G K L H S A G R L D D I D T T S G L V L L L T D D D G Q W S H R I			
UniRef90_G9Y1D0	H S T L L Y F I D E P L V A H K L H H A A G R L D D A D T T T G L V L L L T D D D G Q W S H R I			
UniRef90_B8F3X1	T V I F Q F F D Y P L T P E T K L H A A G R L D D A D T T T G L V L L L T D D D G Q W S H R I			
UniRef90_E8T2V5	M T V M E L V A D I P T R F L F P V G R L D D K D A T E G L L L L M T T D D G G E L A H R L			
UniRef90_R2RD23	D Q T Q V M D L F D Y R S E R L F P V G R L D D K D T E E G L L L L T T N D D G G K L A H F E Y L			
UniRef90_H6LCH6	G R Q R V L D V P Y K R L L Y T V G R L D D M D T E E G L L L L T T N D D G G D L T A H F Y L L			
UniRef90_UPI000470DE51	D Q T V V D P Y H Q R F N P F P V G R L D D K D T E E G L L L L T T N D D G G Q L A H Q L			
UniRef90_UPI00036F1214	G R K T V F F F T N I R R E R L F P V G R L D D Y D T E E G L L L L T T N D D G G E F A H L L			
UniRef90_C9A2J4	K T V L D L F E D Y R R D L F P V G R L D D K D T E E G L L L L T T N D D G G Q L A H R L			
UniRef90_D6XSG8	E R T V V D E E D R L F Q P F P V G R L D D K D T T T G L L L L T T N D D G G K W A H G I			
UniRef90_D3V858	T L Y F I D E E P V A H K L H S A G R L D D I D T T T G L V L L L T D D D G Q W S H R I			
UniRef90_Q8R5V5	E E T V I D E E I A L R K V F S A G R L D D K D T T T G L L L L T T N D D G G E L A H K L			
UniRef90_E0ICD0	G R K V V S D F G I K Q R V Y P I G R L D D Y D T T T G L L L L T T N D D G G E F A N L L			
UniRef90_J3DCZ1	H P T V L F F F E E P F K L H A A G R L D D I D T T T G L V L L L T D D D G Q W S H R I			
UniRef90_Q6LRX1	P T V F V L F D E V S P E K M H A A G R L D D G D T T T G L V L L L T D D D G Q W S H R I			
UniRef90_R1H6T3	T V F A L L D E P A V G K L H V G R L D D I D T T T G L V L L I S D D D G Q W S H R I			
UniRef90_UPI000478CD50	G R S I V A D Y L K K E R V Y P V G R L D D Y D T T T G L L L L L T T N D D G G Q L A H K L			
UniRef90_UPI00041D0F7E	Q E T V I D E E D R H F A P F P V G R L D D K D T E E G L L L L T T N D D G G Q L S H A L			
UniRef90_R5CVU5	Q R T V L D P E H R K F D L F P V G R L D D K D T T T G L L L L I T D D D G D F A H R V			
UniRef90_UPI00026278BA	R K T V L P S A Y R L F D P F P V G R L D D K D T T T G L L L L T T N D D G R L G H Q L			
UniRef90_UPI00047A9A33	D K K V T D L I E V S Q R I F P V G R L D D K Y N T T G L L L L T T N D D G D M T Y R L			
UniRef90_R9ME86	T V I E L T I E E R S K D L F P V G R L D D K D T E E G L L L L T T N D D G A L A H R L			
UniRef90_T0CTP7	D P V V L D E A D A H F D V F P V G R L D D K D A T E E G L L L L T T N D D G Q L A H R L			
UniRef90_R5UGX5	T V I D L I V S R K K D L F P V G R L D D K D T E E G L L L L T T N D D G G E L A H R L			
UniRef90_C5D6D1	E E T V V D E E D R V F S P F P V G R L D D K D T T T G L L L L T T N D D G Q L A H Q L			
UniRef90_R6BF16	A K T V L D D E Q Y M R K G L F P A G R L D D K D T T T G M M I I T D D D G G E F A H A			
UniRef90_UPI00037D871A	H M C L I D L A R K K G V F P V G R L D D I D T T T G L L L L T T N N G G L A H N A			
UniRef90_F3BDA8	K H N I R F L N Y P T R I Y I G R L D D K D S E E G L L L M T N N N G D I I N K M			
UniRef90_UPI00035CF2DA	G R Q T V L D L I N K Q R I Y P I G R L D D Y D T E E G L L L L T T N D G G A V A Y G Q L			
UniRef90_S1N487	E E T V L D D E D Y R E D L F P I G R L D D K D T E E G L L L V I S N D G G A L A H Q L			
UniRef90_R7GLW8	Y P T V I L I K E Y H P G L F P V G R L D D V D T E E G L L L I T N D D G G Q L A H R L			
UniRef90_K0AZE9	S D I I D D E Y K I F D P F P V G R L D D K D T E E G L L L L S N D G G K L A H Q L			
UniRef90_V9W7F9	D R T V L D D H I R V F G V F P V G R L D D K D T E E G L L L L T T N D D G K L A H N L			
UniRef90_UPI0004633379	G R P T V L V K D V E M R I Y P V G R L D D Y D T S E G L I L L T T N D G D F T Y R L			
UniRef90_W4C2H4	A G N I D F V E Y P S R I F A I G R L D D K N S E G L L L L T T N D G G E V N K M			
UniRef90_UPI00037295CE	T V L E L D E D N I E T H A A G R L D D I D T T T G L V L L I T D D D G Q W S H R V			
UniRef90_UPI0003734A9E	T V L D L I D E P N K S K L H I A G R L D D I D T T T G L V L L T D D D G Q W S H K V			
UniRef90_E7MM59	C P T V L L I T E D Y K G M F P C G R L D D K D T E E G L L L M I T N D D G P L A H E L			
UniRef90_A1AQQ8	E G R Q V L L P E I K E R V Y P V G R L D D Y N T E E G L L L L T T N D D G D W A N K L			
UniRef90_A0A017RVA3	H G N I D F V N H K E R I F H I G R L D D K D S D G L L L L T T N D G D I V N K I			
UniRef90_UPI0002893291	N R T V I D Y F D E V D M V F H V G R L D D K D T S G L L L L F T N D G D F E H K L			
UniRef90_R5ABF5	Q F G R D L I K G V N A R L F P V G R L D D Y D T S G L L L L T T N D G D L T Y K L			
UniRef90_A0A024Q564	E K T V I D K E L Q H Y K P F P V G R L D D K D T E E G L L L L T T N D G G E L A H Q L			
UniRef90_Q2RIS4	P K V T D L V H G I P A R L Y P V G R L D D Y A T S G V L L L L T T N D G G E F A N L			
UniRef90_N0AVP2	R K V V T D F P H V K Q R V Y P V G R L D D Y D T S G V L L L L T T N D G G E F A N L			
UniRef90_UPI0002DABF72	E T T V I D L D D Q R F E P F P V G R L D D K D T V G L L L L T T N D G G K L A H R L			
UniRef90_T0UQ09	H K T V L D K T A W D K E V F P V G R L D D I D T H G L L L L T T N N G K L A H A M			
UniRef90_K4ZMD4	E R T V I D D E L R H F E P F P V G R L D D K D T E E G L L L L T T N D G G K L A H D L			
UniRef90_E0I315	D E T V L D A D D R I L Q P F P V G R L D D K D T E E G L L L L T T N D G G Q L A H D L			
UniRef90_B2TQQ1	H R T V I D Y F D E D M N V F H V G R L D D K D T E E G L L L L T T N D G G E F E H K V			
UniRef90_W7CPZ8	D Q D I L D E R D Q K L F P V G R L D D K D T E E G L L L I S N D G G V L A H N L			
UniRef90_E8K2D5	H K T V L D D Y A R A K E V F P V G R L D D I D T H G L L L L T T N D G G K L A H A L			
UniRef90_R6AQM2	R V K V T D F F S E P Y R L Y T I G R L D D Y D S E G L L L V T N D D G E T A N R L			
UniRef90_UPI0004719308	D Q T V I D E N E Q R F E P F P V G R L D D K D T E E G L L L I T T N D D G K L T H E L			
UniRef90_UPI0003726CE0	G R K I V T D Y A I P E R L Y P V G R L D D Y D T E E G L L L L T T N D G G E F A H L L			
UniRef90_UPI0004245698	T V L D L I D V I G F D N N L A P V G R L D D K D T E E G L L L I T T N D G G K L A H K L			
UniRef90_N9WC93	D M T V L H V D Y Q A F E P F P V G R L D D K D T V G L L L L T T N D G G L N H R L			
UniRef90_R9J4T2	T V L D Y F P E N R R K G L F P V G R L D D I D T E G F L L I T T N D G G L A H N L			
UniRef90_UPI0002EECD48	D E T V L D P L D Q H F K P F P V G R L D D K D T E G L L L L T T N D G G H L S H Q L			
UniRef90_UPI00036E8B4E	S E Y P T V M S C E A G G L F P V G R L D D I D T E G L I F I T D D G A W A H R V			
UniRef90_S1N6T6	R K V V T D Y F V I T E R I Y P V G R L D D Y D T S G L L L L T T N D G A F A Q K L			
UniRef90_UPI00036F56A0	D Q T V L D D E E R I F E P F P V G R L D D K D T V G L L L L T T N D G K L A H E L			
UniRef90_U1WZS4	E E T V L D P E F F A F E V F P V G R L D D K D T E E G L L L L T T N D G G K L A H E L			
UniRef90_B7VPT6	T A F E L L D E I K M D K L H F A G R L D D V D T T G L V L M T D D D G K W S H R L			
UniRef90_R5XXZ4	G R K C V L V R D V G A R V Y P V G R L D D K D S E G L L L M T T D D G E F A N H M			
UniRef90_UPI000370C388	T V F D K L P R P K D G R W I N I G R L D D N T T G L L M F T T D D G E L A N R L			
UniRef90_G4L3X2	E L T V L D I F D F R S D L F P V G R L D D K D T K G L L V I T N D G A L S H R L			
UniRef90_UPI00046FC25F	T V I D L I S G R H P R D D L F P V G R L D D K D T E G L L L I T T N D G A L A H R L			
UniRef90_W3AEJ8	K G N I V D F V N H P L R I F H V G R L D D K D S E G L L L I T T N D G D I V N E I			
UniRef90_U2C2M2	T V I S L I G D A K R K D L F P V G R L D D I D T E E G L L L I T T N D G K L A H E L			
UniRef90_F4LXJ8	E T T V I D G E Y F H R K L F P V G R L D D K D A T T G L I F L T T N D G G K M A H R L			
UniRef90_UPI00047485FE	A Q T V M D L F N Y R D D L F P V G R L D D K D T E G A L L I T T N N G E L G H R L			
UniRef90_R5ZB08	P T V M D F V F P I R N D C A P V G R L D D I D T T E G A L L I T T N D G G K L S H K L			
UniRef90_F9MXD0	G R K T V L L L V P K G M V Y P V G R L D D F N T T G L L L L T T N D G D F T Y T M			
UniRef90_B9M4U8	G R P I V L L L K D V K E R V Y P V G R L D D Y N T E E G L L L L T T N D G A L A N R L			
UniRef90_R6QS99	G R K T V M D V D C D A R V Y P V G R L D D K D S E G L L L L T T N D G S F A N R L			
UniRef90_F7U230	G R K T V L V K Q I P Q R V Y P V G R L D D F D T T G L L L M T N D D G G E L A N R L			
UniRef90_B5FCH9	S A L S L L D E V N L E K H H F A G R L D D V D T T G L V L I T T D D G Q W S H K I			
UniRef90_W7ROX3	S V L S F L D V E K V E R L H I A G R L D D A D T T T G L L L I T T D D G Q W S H R I			
UniRef90_D2MQD6	D P T V L E L V N Y K G L F P C G R L D D K D S E G L L L M T N D D G G R L A H N L			
UniRef90_I0WGP3	K N N I V D Y I N Y P L R I F I G R L D D K A S E G L I F M T N D G D I V N K I			
UniRef90_Q67NH5	K V I D L I G D E V A Q R V Y P V G R L D D F D T E E G L L L L T T N D G D L A H G L			
UniRef90_T0C7E9	G R R M S L L P Q V A E R L F P V G R L D D Y D T E E G L L L L T T N D G A L T E R L			
UniRef90_G6IPH2	Q K T V M D L F N F R K D L F P V G R L D D K D T E G L L L L T T N D G P L A H Q L			
UniRef90_D6S4B9	K T D L I E H K D R Y Q G L S P V G R L D D K D T T T G L L L L T T N D G Q L N H N L			
UniRef90_R4U381	Q H R S Y I Q G S Q R I F P V G R L D D Y D T S G L L L L T T N D G D F A N I			
UniRef90_H5T290	V V I Q L L S E K D F R E D L F P V G R L D D K N T E G L L L L T T N D G A L G H D L			
UniRef90_D3HTA7	T V F D H L P H L R Q G R W V Q V G R L D D N T T S G L L L I F T N S G E L A N Q L			
UniRef90_R6ZJ46	E Q T V M D V F C N S R D L F P V G R L D D K D T E E G L L L L T T N D G G L A H K L			
UniRef90_H1Z615	R D N I V D Y I N Y P K R I F P V G R L D D K D S E G L L I M T N D G D V N K I			
UniRef90_Q8RFE9	R K T V V D L I K T D K R I F P I G R L D D Y M T S G L I L L T T N D G E L F N R V			



QUERY  
UniRef90\_C6CL30  
UniRef90\_G9Y1D0  
UniRef90\_B8F3X1  
UniRef90\_E8T2V5  
UniRef90\_R2RD23  
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UniRef90\_C9A2J4  
UniRef90\_D6XSG8  
UniRef90\_D3V858  
UniRef90\_Q8R5V5  
UniRef90\_E0ICD0  
UniRef90\_J3DCZ1  
UniRef90\_Q6LRX1  
UniRef90\_R1H6T3  
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UniRef90\_R5CVU5  
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UniRef90\_T0CTP7  
UniRef90\_R5UGX5  
UniRef90\_C5D6D1  
UniRef90\_R6BF16  
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UniRef90\_W4C2H4  
UniRef90\_UPI00037295CE  
UniRef90\_UPI0003734A9E  
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UniRef90\_A0A017RVA3  
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UniRef90\_R5ABF5  
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UniRef90\_E8K2D5  
UniRef90\_R6AQM2  
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UniRef90\_UPI0002EECD48  
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UniRef90\_S1N6T6  
UniRef90\_UPI00036F56A0  
UniRef90\_U1WZS4  
UniRef90\_B7VPT6  
UniRef90\_R5XXZ4  
UniRef90\_UPI000370C388  
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UniRef90\_UPI00046FC25F  
UniRef90\_W3AEJ8  
UniRef90\_U2C2M2  
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UniRef90\_UPI00047485FE  
UniRef90\_R5ZB08  
UniRef90\_F9MXD0  
UniRef90\_B9M4U8  
UniRef90\_R6QS99  
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UniRef90\_B5FCH9  
UniRef90\_W7R0X3  
UniRef90\_D2MQD6  
UniRef90\_I0WGP3  
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UniRef90\_G6IPH2  
UniRef90\_D6S4B9  
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F L N I I K S D E I S E C E V T I I Y E G K F F H Q Q V V K R M F A A L V G G K N V V G A L H H  
K L E I I E S D E K S K I N L T T I I V I E G K F F H H Q Q V V K R M F A A L V G G K N V V G A L H H  
P A Q N P E E K P A E I E I L T T I I H E G K F F H H Q Q V V K R M F A A L V G G K N V V G A L H H  
A K F L D K Q G V N T L V R I T T I I H E G K N R Q Q V V K R M F A A L V G G K N V V G A L H H  
C E V Y R I T E C Q F R I L T T I I Q E G L N Q V I R R M C K E A L V G G N R K V L K L E  
L P A E L V L M H E Q A A R L T T I I C E G K Y H H Q Q V V K R M F A A L V G G N R K V L K L E  
K P A K L E I L Y A N E V R L T T I I G E G R Y H H Q Q V V K R M F A A L V G G N R K V L K L E  
A V Y K K L S D T S C D T T I I A V E G R Y H H E I V R R M C F N S V D K V V R L K K  
A Q V R L I K D G E Q N D W I T I I H E G R N R Q V V K R M C E A L V G G Y N V V R L K Q  
C K V N K I R D N V F Q I I L T T I I N Q G L N R Q V I R R M C E A L V G G Y N V V R L K Q  
E K E M D I K K F Y N I D S N R Y N E G R N R Q V V K R M L K A V C Y Y N V V R L K Q  
A K I Q I L E R E K D G R F C T I I H E G R N R Q V V K R M C E S I K H P V A Q L K Q  
S A Q L R I A Q D E I I E V T T V T T E G K F F H Q Q V V K R M F A A L V D K K V I Y L K R K  
A R V N L C R A G K D S A E I T T L T R E G R N R R E V V R R M F A A L V G G H P V L R L K R K  
A K V K M I S S D T K I E I S I I T T E G R N R R Q V V R R M F A A I V G G H P V L R L K R K  
P A E L V I S G N E S E I E L T I I T T E G K F F H Q Q V V K R M F I A V G G K K V I S F L M  
A Q L D I I K A D E K S N T I V I K E G K F F H Q Q V V K R M V L A C Y G G K E V T D L Q  
P A H L V I S G H H S F I E L T I I T T E G K F F H Q Q V V K R M F E S V G G K Q V I Y L K  
Q A E Q S D D G W V S L I R I T T I I Q E G K F F H Q Q V V K R M F Q A V G G K Q V I Y L K  
K P K N K D H Q P V V S G Y L T T I I S E G Q K F H H Q Q V V K R M L K A V C Y Y V I Y L K  
S V I L Q I E N G V S D V E V T I I Q E G K F H H Q Q V V K R M F E A V G D K Q V I Y L K  
A K S I D T E K D Q S L V R V T I I A E G K F F H Q Q V V K R M V A Y C Y G K E V V D L Q  
A R V R I L R S H D E K T E L M I I H E G R N R Q V V K R M L A A L G D D T L V L Q  
P G I L N I I S D S V S E I T I I T T E G K F H H Q Q V V K R M F E A A L G D K K V V Y L K  
Y Y D V D P E G K Q S V I S I T I I H E G R N R Q V V R R M F E A I Q H P V V V K L K R K  
K S F I E N T D G E D V L H L T I I H E G R F F H Q Q V V K R M F E A A V D K N E V F L R Q  
L E I L S A T D E G S V I N V T I I T T E G K F F H Q Q V V K R M F E A A V D K K V V Y L Q  
P A K L N V I E E L S Q V E L T I I T T E G K F F H Q Q V V K R M F Q A V G G K E V L Y L K  
P G T L T I S G E P E S E I E L T I I M E G K F H H Q Q V V K R M F Q A V G G K N R I Y L K  
L P A E L I L J A P E K V R L T I I H E G R Y H H Q Q V V K R M F A A S Q G N H V I S L R  
A R Y D D T K A Q T T I I Q L T I I H E G R N H H Q Q V V K K M L Q A V G G L P V Q K L K  
S H D R S G P E V V S R I Q L T I I T E G K F H H Q Q V V K R M F E A S V G K K V V Y L Q  
E L T I L V Q G S I S E I E L V I Y E G K Y H H Q Q V V K R M F E A V G G K K V Y L K  
L P A H L E V R A E R E V L L T I I H E G K Y H H Q Q V V K R M F A A L G N K V E A L H  
A D A H V I E K Q D N R M E I V L Y E G R N R R E V I R R M C E S L G L E V A R L K  
T D I Q Q A P G F N H W Y H C V V M E G R N R R E V I R R M C E S Q G G L V V A S R L K  
I E Q V D E E N E S T I R I L V L Y E G K Y H H Q V V K L M V H A V V G K E V I T H L K  
K L D L E S G E I S K I R V T V R E G R F H H Q V V K R M F Q A V G G K E V I Y L K  
L P A K T E K L S K Y S F R I V L Q Q G L N R Q V I R R M C S A A L V G G K E V R D L K  
P S Y E E A G E P V C E A R L T I I H E G K F H H Q V V K R M F A A A G G Q V F L K  
A E L D I K N N Y I S A Y V T I I Y E G K F F H H Q V V K R M M K A R G G K Q V T Y L K  
P A D M K L G A Y Q T T I I Q L T T I I T E G K Y H H Q V V K R M I K S A F G Q R V Y L E  
A T Y Q A I D D T H A Y L T I I V I E G K Y H H Q V V K R M F E R I G C P V T F L K  
A K F A R P G K S Q S Q F D L T I I H E G K N H H Q V V K K M C C Q A A L G G F S V V K K L H  
A Q V V R E S D H N C W I S I T I I H E G R Y H H Q V V R R M C C E A V G G L Q V A R L K  
C D I N I T S E E E G R V E F T I I R E G R N R Q V I R K M C C E A V G G L Q V A R L K  
G K A R I L E R D V K H E R T T I I H E G R N R Q V I R R M C C Q A A L G G H P V I T L Q  
M P A V M E L V D E E H N E L T I I H E G K Y H H Q V V K R M F A A I G N K V T F L H  
Q A A K L N F L A N D Y A E L A I T T E G R Y H H Q V V K R M F A A I G N K V T F L H  
G A K L K I L D D K V C T I I L T T E G K Y H H E I K N I F L A I G D N K V T Y L K  
R K C E V E Q L S K F Q V R L V L T T Q G L N R Q V I R R M C Q Y V V D Y E V T A L K  
A E V K M L D V R P P N S A T R I I H E G R N R Q V V R R M F A A L G G H E V I H L R  
Q V I E M L R Q G D E S V V Q V I A I H E G R N R Q V V R R M F E A L G L P V K R L K  
I L N Y S A L D E Q T L V H I T T L K E G K Y H H Q V V R R M F G S L G B E R V V S L K  
S Q L K I D K S N K Q G F I T I I H E G K F H H Q V V K R M F G L F D L G R V V S L K  
L L N Y A D K T N N A V V S L V I I H E G K F H H Q V V K R M L S A V G K E V L Y L K  
Y K G E S Q S G W I S E I R V I I H E G K F H H Q V V K R M F A A V E K M Y L Y L K  
T R L E F R G G E N S W Y H V T L T N E G R N R E V V R R L W E S Q G G L E V S R L I  
R P A R I E V Q N E K N C L I T T I I T E G K Y H H Q V V K R M F Q A V F C Q V V S L H  
C R V E R I S R F R N I F L T I I Q E G L N R Q V I R R M C E A V G D Y D V V A L K  
A K I I K Y D K N K T S M Y I S I R E G R N R Q I R R M I E K F E Y K V L M L R

QUERY	UniRef90_C6CL30	UniRef90_G9Y1D0	UniRef90_B8F3X1	UniRef90_E8T2V5	UniRef90_R2RD23	UniRef90_H6LCH6	UniRef90_UPI000470DE51	UniRef90_UPI00036F1214	UniRef90_C9A2J4	UniRef90_D6XSG8	UniRef90_D3V858	UniRef90_Q8R5V5	UniRef90_E0ICD0	UniRef90_J3DCZ1	UniRef90_Q6LRX1	UniRef90_R1H6T3	UniRef90_UPI000478CD50	UniRef90_UPI00041D0F7E	UniRef90_R5CVU5	UniRef90_UPI00026278BA	UniRef90_UPI00047A9A33	UniRef90_R9ME86	UniRef90_T0CTP7	UniRef90_R5UGX5	UniRef90_C5D6D1	UniRef90_R6BF16	UniRef90_UPI00037D871A	UniRef90_F3BDA8	UniRef90_UPI00035CF2DA	UniRef90_S1N487	UniRef90_R7GLW8	UniRef90_K0AZE9	UniRef90_V9W7F9	UniRef90_UPI0004633379	UniRef90_W4C2H4	UniRef90_UPI00037295CE	UniRef90_UPI0003734A9E	UniRef90_E7MM59	UniRef90_A1AQQ8	UniRef90_A0A017RVA3	UniRef90_UPI0002893291	UniRef90_R5ABF5	UniRef90_A0A024Q564	UniRef90_Q2RIS4	UniRef90_NOAVP2	UniRef90_UPI0002DABF72	UniRef90_T0UQ09	UniRef90_K4ZMD4	UniRef90_E0I315	UniRef90_B2TQQ1	UniRef90_W7CPZ8	UniRef90_E8K2D5	UniRef90_R6AQM2	UniRef90_UPI0004719308	UniRef90_UPI0003726CE0	UniRef90_UPI0004245698	UniRef90_N9WC93	UniRef90_R9J4T2	UniRef90_UPI0002EECD48	UniRef90_UPI00036E8B4E	UniRef90_S1N6T6	UniRef90_UPI00036F56A0	UniRef90_U1WZS4	UniRef90_B7VPT6	UniRef90_R5XXZ4	UniRef90_UPI000370C388	UniRef90_G4L3X2	UniRef90_UPI00046FC25F	UniRef90_W3AEJ8	UniRef90_U2C2M2	UniRef90_F4LXJ8	UniRef90_UPI00047485FE	UniRef90_R5ZB08	UniRef90_F9MXD0	UniRef90_B9M4U8	UniRef90_R6QS99	UniRef90_F7U230	UniRef90_B5FCH9	UniRef90_W7R0X3	UniRef90_D2MQD6	UniRef90_I0WGP3	UniRef90_Q67NH5	UniRef90_T0C7E9	UniRef90_G6IPH2	UniRef90_D6S4B9	UniRef90_R4U381	UniRef90_H5T290	UniRef90_D3HTA7	UniRef90_R6ZJ46	UniRef90_H1Z615	UniRef90_Q8RFE9
R R E R I G A V I V V L 210 S L E E G E Y R P L L T Q S E E I I E K L V	R R E R I G A V I V V L 210 S L E E G E Y R P L L T Q S E E I I E K L V	R R W R I L G D V V V L 210 S L E E G E Y R P L L T T T T E E D E I I I A S	R R V A F G G P L K L L G D E S L E E G E Y R P L L T T T T E E D E I I I R A M L	R R I V A R M G G D D L T T L P G K A L N K P G T Y R P L L T T T T E E D E I I R R M L	R R I V A R M G G P I H L L A D E T L P R L G G E Y R S V L T T T T A K E I I D L L	R R T R M F M G G L Q L L P K D S L E E A G T Y R S E L T T T E K E I I A E A	R R I R T I G G G L P L D D S L E E A G T Y R S E L T T T E K E H I N S L I	R R E R C M G G K L Q L D D S N L E E P G G E Y R A L T T T E K H V N L L I	R R V K F G G E L G L D D N L K R G G G W R P L L K P H E E V V V Q E L L L	R R E R I G G A V I V L D D D N L G G E Y R R L T T T Q Q E E V I A S F L	R R I T A F G G N I A L D D N L Q R L G G E Y R P L T T T K E E E I A N A L L	R R I S K M G N L S E L D E S L E L G G E Y R P L T T T E D E E V L C R R L L M	R R I L Q M G N L P L D D G N L G A G D F R E L L T T N E P Q Y L L L	R R I A M G R L L E L G G E S L S L Q W R Y L L T T P K E E I I K A R T L L	R R E S M G S L M L D K D L K P G Q Y R R L L T T D E E E I I K S L L	R R L E S M G P L V L D D S D T L S P G G E Y R K L L T T E M E K E V A R T L L	R R I S Q M G P L V L D D S L D L M P G G E Y R E L L T T D E E E I V E M L	R R L S M G P L Q L P S D L E E K G Q C Y R L T T T K E E L L S K L	R R I V R V M N I Q L G S L K P G G E Y R R L L T T D D E E I I R E L L	R R I K M G P L E L D E D L K V G T Y R F L L N K A E E I I N K L L	R R V R M G Q L L L D D E Q L A L G E Y R T L L T P N K E E E I I R L L	R R I S M G E L K L D E S L K L G H Y R P L L T T D E E E I I R S L L	R R I S M G S L K L D D S L E L G G E Y R E L L T T A K E E I I N E A L L	R R I Q T I G P I A L G N L P E G G K W R H L L S D S N E E I I K T L L	R R E R I G M N I T L D D G L E L P G G S Y R H L L T S T E E E I I Y E L L M	R R L R M K N L V L D E T L K K P G G E Y R L L T T T K E E I I A S	R R V R Y G A L E M R G L K P G G Q H R L L T T E K A E E A R A L L L	R R V S I M N I K L G R N L P L G G Q W R D L L S D K E E L N E L L L	R R V A T G E L L D D T L L K K K G Q Y R T L V I T E E I I Q M L L L	R R I R M G N I T L D D T L K R G T W R E L L T S E S E K E Y C L L	R R E R L A F L T L R G G L K P G T Y R H L L T T P H E I V E R L L	R R E R Y G G I N L G G L T A G D V R E L L T P H H E I V K Q I L	R R I T K M G P L L D D Q T E L A L G G E Y R D L L T N E E I I E L L L	R R L S Q M G T L Q L D D D P V L K L G E W R E L L C T A E E E I E S L L	R R I S M G P L H L D E S T L P L G A Y R E L L T T E D E I I E L L L	R R I R M G T L K L D D E T L K M G G E Y R D L L T T K K E I I K R I L	R R L T M G T L T L D D E D L K R G G E W R R L L S K E E E L E V L L L	R R V G I G A L T L N D D S L K P G G W R Y L L T T Q Q E E E L E M L L	R R I S F G G V F L D D S L E N L K R G G L Y R H L L T T K E E E I V E G L L	R R I R M G G L V L D P D L K P G G E Y R E L L S D E E E I K L L L	R R L S M G G L G L D R D S L M P G G E Y R A I T T E E E I L Q K I L	R R M K M G T L T L D D E H L A L G S G E Y R P L L T T S T E E L L A L	R R I A I G G I F L P E D L G S G E Y R P L L T T P Q E E I I A	R R E K Y G N L T L P E N L R P G G E Y R P L L H K K E V I S Q L L L	R R T I S M G S L L D S A N L E E G H Y R E L L T K E E E L A G L	R R I A M G K L E L D E N L E E G E Y R	R R E R I G E I E M D E S L E L G G E Y R Y L L T Q E E E V D S I	R R T S M G S L K L G N S M L P V G G K W R E L L K Q R E E V H K L L M	R R V R F G P V F L N S D L P M G R W R E M S T T E E E I I K L L	R R I R M G A L Y L D D D Q L E A G D Y R E L L T T E E E E M E A L L	R R L Q M G S L K L G D E N L E I I G A Y R E L L T T T K E E E I K D L	R R I R I M N I Q L G D L P V G G E W R D L L T T D K E E I I K A L L	R R L S M G P L T L D D P K L K P G G E S R L L T T G K E E I I K A L L	R R L F I G P L R L D D E E L P P G M W R K L L T T K E E V V D L L L	R R I S F G P L K L S T G L E L P G H Y R A L S E E D E E V N A L L	R R V E F G F L N L D D S L P T G G E V R E L L S S E E E V E K L L	R R L S L A S L E D L K G G L E I I G G Q Y R K L L T T S T E E E V K E L L	R R S R Y G F L E I G E L L K K P G Q Y R E L L S S T E E E V E R L L	R R T S I G P V K E I G E M L Q T G K T R R L L S D N E E V H K L L L	R R Q I V S F L T L G G N L G L G T Y R L L K K E E E E V E R L	R A Q I G G L G L D D Y S L E E P G E Y R Y L L T T E E E E V A	R R I R M K N L L D D E T L K K G G E Y R P L L S S E E E I G E D L L	R R I R I N I H L D I P M G R Y R E L L T S S K E E M G E L L	R R I T L G P L K L G D D L S V G G E W R Y L L T D Q E E V A D L L	R R I A F G P I A L G G H L K T P G Q W R L L E E P A E E W K A L L	R R I S F G P L Q L E E E N L L L P G T Y R E L L S D E E E I I S A L L	R R V A I A F L E L D D S D T L R P G G E W R H L L K P K E E V I K R	R R I R M G N L A L D D S T L A L G A Y R P L L T T T E E E I N L L	R R I R Y G T I T M P R Y L L S R G G Q H Y E L L T T K E E I V S D L L L	R R L S M G G L S L D P E D V K E G G Q A R E L L D D A A L Q S E L L	R R I R I N I S L D V P V E G G Q Y R E I T A A E A L A E Y	R E K I G E L S L G D P V E G K Y R E L L T K A Q E V																			



UniRef90\_T2LDJ1 MRVLD R F L S E T T P L T R S L A K R A L K N G E V T L V N G E P I K Q S A T  
UniRef90\_Q03GG2 MRVLD D K F L H D M N M G T R T Q I R K R M I K K D K L I F S L N N D T V V K T G R G V  
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UniRef90\_C4GJ92 K Y L Q A Q G I D S R K G C Q W L I K R G L V Q I N G D V Q T N D E K A  
UniRef90\_UPI000316C77B A E R I A K V V A R A G L G S R R R E I E E W I L A G R V A V N G E V L E S P A R  
UniRef90\_UPI0003809D92 I R L N K Y I S N S G I C S R R R E A D M H I S V G S V T V N G K V V T E M G Y  
UniRef90\_A9DKR7 M R L N K Y I S D I G Y C S R R G A E D L I R K R K I M V N G K Q A T L G D K  
UniRef90\_Q6AR36 G E R L A K A L A R A G V G S R R D V E R M I T E G R V W L D G K K L E T P A V  
UniRef90\_UPI000377B254 K Y L A G L G Y G S R R K E V E T A I R R G R V K G I D G A G V I G V G T  
UniRef90\_UPI00040A059FSU7 I R L N K L I S I N N N I S R R K S D K F I Q N G N I K I N N K T I J N P G T  
UniRef90\_UPI0003B315E1 G E R I A K L L A R A G V A S R R R E V E R L I T E G R V R L N D E L V T T P A T  
UniRef90\_S6GCV6 M R L D R F I C K S T E L T K A E A I M Q I H G G T V Q V N T N T L D E S F Q  
UniRef90\_Q11U12 M N I N E F L I K R F H L S K D A S N M V L E N Q V F I N G V K A L Q R N D  
UniRef90\_R5PLA6 M I L A D I L F K Q G F G T R Y D C R S I A T S G A V S I D G R E L T D P D E  
UniRef90\_UPI00046601FF G L R V H V F L A E K G V G S R R F C E E L I R K N L V K V N G T P S K L G D K  
UniRef90\_J0LB31 M R L N K F I A H N S K F S R R R E A D K L I F E G R V K I N N G K T V E T P A V  
UniRef90\_UPI00047D20A4 S I R L N K Y V A N S G V C S R R R D A D I Y I A A G N I T V N G K P I T E M G Y  
UniRef90\_A3V818 R I D Q L L G S L G Y G S R G D I A R M A K S G W I T L D D A R I W D A T T  
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UniRef90\_UPI000346ED40 M K I T Q I L F S Q G F T R R A C A G L V Y A G T R H A G R T L D D P D E  
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UniRef90\_U5QJ82 H W K  
UniRef90\_M4WRA6  
UniRef90\_UPI00047D25CB M R L N Q F I A H N L P C S R R R Q A D K L I K E G K V K I N R Q L A S F A T P  
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UniRef90\_M4R480  
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UniRef90\_I2K5I5  
UniRef90\_Q65Q11 T E K L Q K V L A R V G L G S R R E I E T W I E E G R V K V N Q Y I A T H D E I  
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UniRef90\_F2NX63  
UniRef90\_W6M234  
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UniRef90\_UPI000317DBCE Q|V|K|K|D|D|E|V|K|V|N|G|E|L|L|K|L|Q|E|K|F|Y|Y|K|L|N|K|P|L|G|Y|I|S|S|N|Y|D|P|H|N|P  
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UniRef90\_K2FCH2 H|L|D|W|K|S|D|Q|I|T|V|D|G|Q|A|V|K|K|E|K|K|V|Y|Y|L|N|K|P|A|G|V|L|C|T|S|D|A|K|I|  
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UniRef90\_I0XAD6 G|T|D|P|E|V|D|E|L|S|V|D|G|E|I|V|T|Q|E|K|N|L|T|L|M|M|N|K|L|A|H|T|V|S|A|N|K|D|D|G|E|  
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UniRef90\_H8L9S5 N|V|D|S|L|L|H|Q|I|E|V|A|G|E|H|L|E|T|N|E|S|Y|L|L|N|K|P|E|K|A|V|T|A|V|S|D|P|E|K|  
UniRef90\_U2STE0 P|V|R|P|G|V|E|V|R|V|D|G|R|V|V|Q|L|S|A|P|L|H|A|L|M|F|H|K|P|A|G|L|V|V|H|G|S|D|P|E|  
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UniRef90\_E6YPG2 N|V|T|R|S|D|V|I|T|V|D|N|K|S|L|P|I|E|R|T|R|L|W|L|Y|Y|K|P|T|G|F|I|T|T|N|R|D|P|Q|  
UniRef90\_UPI00029A5DC6 R|V|K|P|N|E|E|V|K|F|D|G|R|K|R|V|P|E|K|P|E|Y|I|L|L|N|K|P|K|G|F|F|T|G|S|K|G|R|  
UniRef90\_UPI00023785C2 L|P|C|A|D|W|P|Y|Y|S|K|A|Y|V|L|L|H|K|P|A|G|T|E|C|S|Q|K|P|S|T|Y|P|S|I|Y|T|L|L|P|A|  
UniRef90\_F4QS25 L|V|S|S|A|D|I|T|V|E|G|Q|V|I|G|K|A|E|P|T|R|V|W|R|Y|H|K|P|V|G|L|I|T|H|S|D|P|Q|  
UniRef90\_E0TJB2 L|I|S|N|N|D|I|V|K|Y|K|D|R|L|Y|P|E|K|K|L|Y|L|L|N|K|P|K|G|Y|V|S|T|T|K|D|N|  
UniRef90\_UPI00046A5DB1 R|V|K|P|D|A|I|E|I|H|Q|S|A|R|S|E|Q|G|E|R|V|T|V|L|M|H|K|P|V|G|Y|P|E|N|Q|W|E|G|D|  
UniRef90\_UPI00046E520E N|V|T|L|A|D|K|L|E|V|D|G|E|I|R|G|I|E|R|T|R|L|W|I|Y|H|K|P|A|G|L|V|T|T|N|S|D|P|E|  
UniRef90\_I3CDN5 V|S|L|Q|D|E|I|Q|I|D|N|R|M|Q|L|A|P|P|R|Q|I|L|I|Y|N|K|P|V|G|E|V|C|S|R|D|D|D|E|  
UniRef90\_I9L9Z3 V|L|P|S|L|R|G|V|T|V|D|G|E|P|V|K|D|P|E|G|T|R|L|F|L|F|H|K|P|S|G|L|L|T|A|E|R|D|P|A|  
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UniRef90\_UPI0004719CF8 A|S|F|K|D|E|I|L|V|D|N|Q|K|I|K|A|E|D|L|V|Y|F|V|L|N|K|P|P|K|T|V|C|T|L|K|D|N|F|N|  
UniRef90\_L8MET5 D|I|R|E|P|Q|R|V|L|D|Q|R|V|L|Q|A|G|K|P|A|R|Y|I|M|L|Y|K|P|S|G|H|V|T|E|H|P|D|H|P|  
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UniRef90\_R7L227 V|P|E|T|D|R|V|W|V|D|G|R|V|A|R|G|A|V|K|E|K|V|V|L|A|M|N|K|P|K|G|Y|L|C|S|N|S|D|P|  
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UniRef90\_T0V7G3  
UniRef90\_L8DAS6 H|V|L|P|S|D|E|I|L|V|A|G|Q|K|I|V|G|P|T|E|K|Q|L|F|A|Y|H|K|P|V|G|I|D|C|K|L|N|L|H|D|  
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UniRef90\_L1J963 W|I|D|M|Q|S|D|Q|V|T|V|D|N|V|S|E|R|R|K|E|R|V|W|M|Q|N|Q|N|F|V|E|H|A|S|T|M|  
UniRef90\_F3LH39 T|V|G|P|F|T|F|V|V|D|G|E|V|I|Q|Q|R|Q|P|V|Y|L|M|M|N|K|P|K|G|V|V|S|A|T|K|D|D|K|H|  
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UniRef90\_A6VLG1  
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UniRef90\_U5QJ82 Y|R|T|D|P|F|L|E|R|M|F|R|T|S|P|G|G|P|H|L|R|Y|I|C|F|Y|K|P|Y|G|V|L|T|Q|F|S|D|S|Q|  
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UniRef90\_L8MUP0  
UniRef90\_A8I7E9 L|E|G|G|E|E|L|D|P|P|G|P|L|L|L|A|I|N|K|P|T|G|Y|V|V|T|A|P|D|D|E|K|V|S|D|P|V|V|Y|D|  
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1 10 20 30 40

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A Y G P  
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L Y G  
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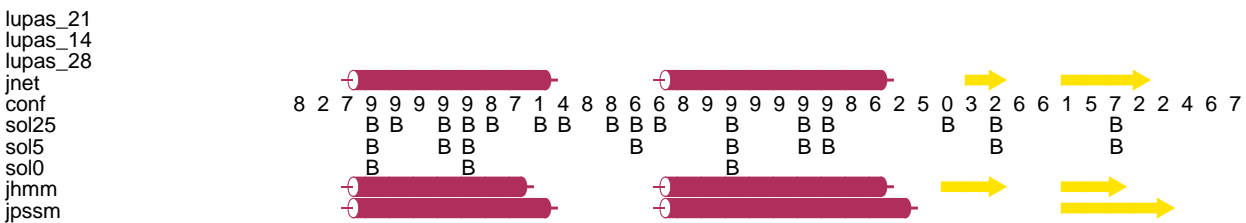
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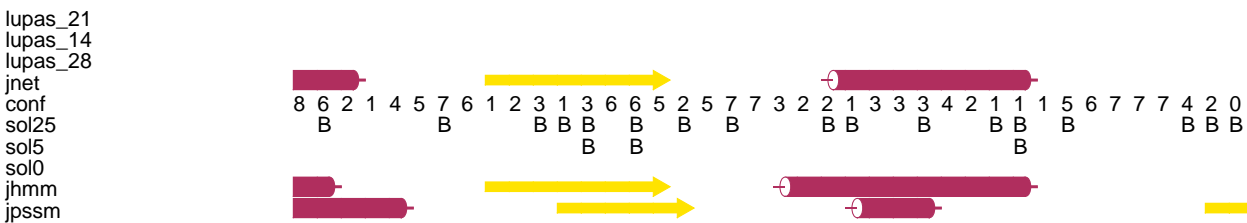








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UniRef90_A0A011WQ11	C W Q V I E R R E N S A C K F L L E T G R T H Q I R V H M A H I G L P L I G D E			
UniRef90_S0KLN2	H V T V F Q A G K H S Q I Y C Q L E T G R T H Q I R V H L K S I G H P I V G D			
UniRef90_I4WAJ2	H Y R L R E R F R A H T L L Q C N L E G R T H Q I R V H M A H I H H P L V G D P			
UniRef90_Q3J7A6	H F Y P F Y G G E A T L M E V T L E T G R T H Q I R V H A A H L G H P L G G D			
UniRef90_D0RPR1	N Y E T L E V F K G N K I P C I L E T G R T H Q I R V H M S H K G N P L L G D Q			

