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

QUERY S G I G S I G I G I Q Q S 90 G T T V I H Q Q Q D L P P L L S S N L L E L L F P Q Q A P L L L T L E T Y
UniRef90_UPI0002FC6DD7 S G I G S I G I G I Q Q S K R G T T T V I H Q Q K D L L P P L L S S N L L E L L F P Q Q A P L L L T L E T Y
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UniRef90_E3HDA8 S G I G I G I G I Q Q S K R G T T T V I H Q Q K D L L P P L L S S N L L E L L F P Q Q A P L L L T L E T Y
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UniRef90_MONSI7 S G I G I G I G I Q Q S K R G T T T V I H Q Q K D L L P P L L S S N L L E L L F P Q Q A P L L L T L E T Y
UniRef90_B8FDN8 S G I G I G I G I Q Q S K R G T T T V I H Q Q K D L L P P L L S S N L L E L L F P Q Q A P L L L T L E T Y
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UniRef90_UPI0004794606 S G I G I G I G I Q Q S K G T A V I H Q R D R L P H N N L E L L F S N A P I T T L A H Y
UniRef90_F8JIJ9 S G I G I G I G I Q Q A K G T A V I H R R D L P P L A N L E L L F S N S P I T K L H Y
UniRef90_X5LJ33 S G I G I G I G I Q Q A K G T V L I H R R D L P P L A N L E L L F S T A P L I T T D M Y
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UniRef90_F7Y6X5 S G I G I G I G I Q Q A K G T A V I H Q R D R L P H N N L E L L F S N A P I T R L E H Y
UniRef90_D3L6I5 S G I G I G I G I Q S R G T T V I H Q R D L N P L S N L E L L F P Q A P L L L T L E T Y
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UniRef90_R5BJF6 L S V G I G I G I G C C S A D T L V L S Y K N L P P H Y R L R N Y K Q A K Q T M
UniRef90_G9Y2H3 L L V G I G I G I G A C C S A D E I V L H F R N L P P A S P L F R Q A W G Q D A D Q L
UniRef90_UPI00047A0E73 L S V G I G I G I G A C C D N T G D V V L H Y K N L P P K A S D K P L F K I N I D E G S D Y L
UniRef90_D2TPR2 L L V G I G I G I G C C D R E T L V V H Y K N L P A T S A P L F T L T Y R E Q N S L D R
UniRef90_A0A023VEX6 L L V G I G I G I G C C S R E K L V V H Y K N L P A S A P L F T L M Y Q Q D N K H A R
UniRef90_L7ELW1 L E V G I G I G I G T D N I V V H Y S K L P A N N P L F K V K I T D T K N K I
UniRef90_E3GH66 L G V G I G I G I G D S I V L H Y T K L K K E E D E P L F S V C L Q Q D D E N T L
UniRef90_E6MIY2 L G V G I G I G I G D S S E I V L H H I K L K K A S A E E D E P L F S I S A Q N T E E N Y
UniRef90_A8AEN1 L L V G I G I G I G C D K E K L V V H Y K N L P A S A P L F T L M Y Q Q D S H A R
UniRef90_I8TWX7 L G V G I G I G I G P E D L C I H Y V K L L P A Q K P L F S L M Q E A G S P V I Q W
UniRef90_C6PQK1 M G I A I G I G V M E D R I V L H Y N K L K E E K P L I D M K L N V P L Y E K E K A
UniRef90_H1L139 L S V G I G I G I G S F D D Q I V V H Y K N L P P A S N E P L F V V I D N P T N I
UniRef90_C4LFD3 L L V G I G I G I G A C C N R E Q L V V H Y K N L P P A S P L F F Q L S K P L T Q D V L
UniRef90_X4TIP3 L L V G I G I G I G A C C D R H T L V V H Y K N L P V I S A P L F T L M H H Q D S Q A Q
UniRef90_B2V3H2 L A V G I G I G I G D K S G K V T L T L N K L K K Y E P L F T V S L H H Q D G D K V L
UniRef90_E3IDK3 L G V G I G I G I G A D S G Q I V L H Y A K L K K E D Q Q P L F Q I K Q N E K N K Q
UniRef90_H6LEP9 L G V G I G I G I G I T E K E V L H Y T K L K K E D Q Q P L F T I P S Y S D E M T L
UniRef90_UPI0002D394D2 L G V G I G I G I G I D D Q D G Q M I V L H Y T K L K D K T P Q P L F K E N I R D S F K Q
UniRef90_A6TDD6 L Q V G I G I G I G A C C D R E R L I V H Y K N L P A S T P L F S L M Y H Q N R L A R
UniRef90_A3CLC9 L L V G I G I G I G A C C D G R D A V L H Y R N L P L E K F L Y R I K D Y S A I P D H V L
UniRef90_H1C6F4 L E V G I G I G I G L D S K G K I T L T L N K L E K R E Q P L F R I P A N S G M E N T V
UniRef90_UPI00046495BB L L V G I G I G I G A C D R E K L T V H Y K N L P A S A P L F T I S I D D G N Y A R
UniRef90_S1FZ16 L L V G I G I G I G A C D R E K L T V H Y K N L P A S A P L F T I S I D D G N Y A R
UniRef90_E7SAQ7 L L V G I G I G I G A N K H D I V L H Y R N L P K E K Y V Y R I K Q Y D Q V G N R L
UniRef90_R5X8Z8 L G S G I G I G I G I A K E R R I A M Q M A K L K K G K N V F E L N D P R Q C
UniRef90_H7CUR6 L S V G I G I G I G V N S K G D V S L T I N K L K E E E P L F F I N L E K G N T C L
UniRef90_I3VRW3 L G I G I G I G I G S K G L V C I H S K N L E I N T P L I L S K T S E N F D P
UniRef90_F7NH20 L G V G I G I G I G A I G S E E H Y Y K L P V R E P L S F F L S G R G T P A Q W
UniRef90_B2G9L5 L S V G I A F E G D H F I V L H Y K N L K E N Q P L F T D M T I N D K K Q L
UniRef90_E9Z5Z2 L L V G I G I G I G A C C A Q Q L I V H Y K N L P P S A P L F T T Q H P S H A R
UniRef90_A9MLP9 L L V G I G I G I G A C C D R E K L I V H Y K N L P P S A P L F T T Y H Q N N C A Q
UniRef90_R5RNM6 L G V G I G I G I G I D D G R I A M Q M S R L P K G R N V F E L N D P R Q C
UniRef90_UPI00037F1D98 L N V G I A Y D G R N V I V H Y K N L A Q D Q P L F V V N R N K G Y A A L
UniRef90_F6BKG0 L G V G I G I G I G I Q G D L I C I H S K N L E M M E P L I L S K K D K N F S P

QUERY		130	140	150	160
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UniRef90_F7NH23	R A I	G R N A A K Y A K G E S	P T P V P T K N D D Q M A R	P K F Q A K A	V L L H I
UniRef90_G9YVN6	R K I	G K N A A K Y A K G E S	P T P V P T R N D D Q M A R	P T Y Q A L A	S A L L H I
UniRef90_L0IN94	R A I	G K N A A K Y A K G E S	P S P V P V K N D D Q M A R	P A Y Q A L A	S A L L H I
UniRef90_S5L4B2	R A I	G K N A A K Y A K G E S	P N P V P M V N D D Q M A R	P K F Q A K A	V L L H I
UniRef90_S3X5H8	R A I	G R N A G Q Y A K G E S	P D P V P V R N D D Q M A R	P K Y Q A V A	A L L H I N
UniRef90_R5GAN1	R A I	G K N A A Q Y A K G E S	P N P V P V K N D D Q M A R	P K F Q A L A	S A V L L H I
UniRef90_D1AFL5	R A I	G K N A A K Y A K G E T	P N P V P V R N D D Q M V R	P K Y Q A L A	A L L H I
UniRef90_D7GD18	R A I	G K N A A R Y A K G E S	P D P V P V V N D D Q M A R	P K Y Q A I A	A L L H I
UniRef90_E3HDA8	R M I	G K N A A K Y A K G E S	P N P V P Q M N D D Q M A R	P K Y Q A L A	A L L H I
UniRef90_Q8XLW0	R L I	G K N A A K Y A K G E S	P T P V P V K N D D Q M V R	P K F M A K A	V L L H I
UniRef90_S0K9T7	R A M	G K N A A K Y A K G E S	P N P V P M M N D D Q M A R	P K Y Q A L A	S A L L H I
UniRef90_I4BU30	R A I	G R N A A K Y A K G E R	P T P V P T R N D D P M A R	P R Y Q G I A	S A L L H I
UniRef90_A5VMB1	R A I	G K N A A M Y A K G E S	P E P V P A K N D D Q L A R	I H Y Q A I A	S A L L M H I
UniRef90_G0EIN3	R A I	G K N A A K Y A K G E S	P T P V P V R N D D Q M A R	P K Y Q A L A	S A L L H I
UniRef90_UPI0002D643A0	R A I	G I N A A K Y A K G E S	P T P V P T V N D D Q M A R	V Q Y Q A K S	A L L M H I
UniRef90_L7EQ84	R L I	G K N A A K Y A K G E S	P N P V P T R N D D Q M V R	P K F Q A K A	V L L H I
UniRef90_D5XBU4	R K I	G K N A A K Y A K G E S	P D P V P T L N D D Q M A R	P K Y Q A K A	A L L H I
UniRef90_E3GH69	R A I	G K N A A K Y A K G E S	P A P V P V R N D D Q M A R	P A Y Q A K A	A L L H I
UniRef90_UPI00047EB76D	R S I	G K N A A R Y A K G E S	P N P V A T I N D D Q M A R	P K F Q A L A	A L L H I
UniRef90_C0E8B7	R A I	G K N A A R Y A K G Q S	P V P I E V I N D Y M V R	P K F Q A K A	A I L L H I
UniRef90_D9S1P6	R A I	G K N A A L Y A K G E S	P T P V P V M N D D Q M A R	P K F Q A K A	A V M H I N
UniRef90_J3JCK4	R A I	G K N A A K Y A K G E S	P S P V P T V N D D Q M A R	V Q Y Q A L S	A L L M H I
UniRef90_Q03Q31	R A I	G K N A A E Y A K G E S	P S P V P T V N D D Q M A R	V Q Y Q A L S	A L L M H I
UniRef90_UPI000374A0BA	R A I	G R N A A R Y A K G M S	P D P V P T V N D D M M A R	V Q Y Q P L S	G L M H I
UniRef90_E4RM98	R Q I	G T N A A R Y A K G E N	P D P V P T R N D D Q M A R	P K Y Q A L S	A V L L Y I
UniRef90_UPI000420254C	R L I	G K N A A K Y A K G E T	P N P V P T L N D D Q M A R	P K Y Q A Y S	A L L H I
UniRef90_UPI0004786145	R A I	G K N A A K Y A K G E Q	P T P V P T K N D P M A R	P R Y Q G L A	A L L H I
UniRef90_S2VZH7	R A L	G R N A A Q Y A K G L S	P N P V P I R N D D Q M A R	P K Y Q A V A	A L L H I
UniRef90_W9AVJ8	R R I	G S N A A Q Y A K G E S	P E P V P T L N D D Q M A R	P R W Q A K A	A L L H I
UniRef90_G7V6B2	R A I	G R N A A K Y A K G E S	P V P V P T K N D P M A R	P R Y Q G L A	A L L H I
UniRef90_UPI0003829221	R S V	G R N A A R Y A K G E S	P E P V P S R N D Y M A R	P R W Q A K A	A I L L H I
UniRef90_UPI00047E5498	R E I	G K N A A R Y A K G M V	V K P I A V Q N D Y M V R	P K Y Q V K A	A I L M H I
UniRef90_R6EGT0	R K I	G Q N A A K Y A K G E Q	V V P I P C T N D P M S R	P K Y Q V K A	A L L M H I
UniRef90_T0CJ95	R A I	G R N A A M Y A L G D T	P N P V P V V N D D Q M A R	P K Y Q A L A	A V L L Y I
UniRef90_E6MIX9	R Q I	G K N A A K Y A K G E S	P A P V P V K N D D Q M A R	P A F Q A R A	A L L Y I
UniRef90_F9DQU6	R A I	G R N A A L Y A R G E N	V D P V P V V N D D Q M A R	P R Y Q A I A	A I L L H I
UniRef90_MONSI7	R A I	G K N A A R Y A K G E T	P E P V P V A N D P M A R	P T Y Q A L A	A L L W H I
UniRef90_B8FDN8	R A I	G K N A A R Y A K G E N	P N P V P V K N D P M A R	P R Y Q G L A	A L L H I
UniRef90_UPI0001FFF2F9	R M I	G A N A A Q Y A Q G R S	P R P V P T R N D D Q M A R	P R W Q A K A	A L L H I
UniRef90_D8JB93	R A I	G R N A A R Y A K G E S	P A P V P T V E N D P M T R	P K F Q A M A	A I L W H I
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UniRef90_UPI0004794606	H A L	G A N A A S Y A R G E S	P A P I F V T G D E A L	G A R F H A R V	A L I Y A
UniRef90_F8JIJ9	K R M	G L N A A A Y A R G E M	P E P I V P T G E A M G S	R Y H A R V S M I	Y A
UniRef90_X5LJ33	R T I	G L N A G G Y V K N M A	P R P I N P Y T E E A I	T A R Y H A L T	V A L V A
UniRef90_A0A010YY91	R L L	G V N A A R H A R G A V	P E P A N P Y T D E A I	T A R Y H T A V	V S L I A
UniRef90_V5X9D3	R L I	G I N A A G R H A K G A T	P S P M N A Y T D E A I	T A R Y H T K V	V S M V A
UniRef90_UPI0003759D6F	R A L	G R N A A R H T F G E T	P E P V M V A T H E A	L G A R F H V R	V A L L Y A
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UniRef90_D3L6I5					
UniRef90_W1DU40	R Q I	G K			
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UniRef90_R5BJF6	R A L	G A N A A R L V K G N	P F K T D P G L E V A F		
UniRef90_G9Y2H3	R Q L	G N A A R L V K G L	P F K		
UniRef90_UPI00047A0E73	R K L	G A N G A R L I K G	I P F K S F E D E D I E E K F		
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UniRef90_A3CLC9	R L F	G S N A A R L V K G V	P F K		
UniRef90_H1C6F4	R A L	G A N A A R L V K K L	P L K		
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