

1 10 20 30 40
QUERY M H A L H F S A S D K A A L Y R E V L P Q L E S V V A D E T D W V A N L L A N T A
UniRef90_UPI0003649BAE MF H V D T Y R G T K K E N Y Q L A T K Q L Q A L L M G E P N K I A N L L S N A S
UniRef90_G4HMS4 MF Q N T P Y E N T R S E K Y A Q L L Q Q L K A L L V H D E P N A I A N L L S N A S
UniRef90_F9DUQ9 M Y T T I D Y S N S S K E K Y R Q L V S A Q L L D A L L V D E P N V I Y A N L L S N A S
UniRef90_G4CT14 M H E I T F S S S D K S E I Y Q E L L P Q I E A L I D G G E P N F I A N L L A N I T S
UniRef90_W7D8H3 M I E I P K F T G T R A E N Y R Q L C V K Q V S A M I A G G E S N L I A N L L A N I L A
UniRef90_K0F9J3 F T V A E L T G D R K E E N Y R Q L T Q L L E A Q A S A L V A G E P E D R T A N A N I L A
UniRef90_K6CY09 MF N V E M Y T G N R E E N Y E L V K K Q L H A L L H D E P N Q I A N L L S N A S
UniRef90_K0W194 MF A A A I E S D D K A E F Y R Q L A Q Q L E A L L I A G E S D M I A N A N A S
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UniRef90_H7F8K8 M F E S L T Y S G T V S E Q Y K Q L N R Q L D A L L S G G E Y D R I A H L S N A S
UniRef90_D6XSQ0 S N K A A F Y A E L T Q M S L G L I A G E P D R I A N L A N I S
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UniRef90_UPI00047BDF1B MF N V E L Y K G P I E E Q Y T L V T K Q L K S L I T E D E H D Q I A N L A N A S
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UniRef90_A0A038GWQ6 M F S I S Q A T A S K A A Q Y D D L L Q Q A R A L I A D E T D F I A N A N A N F S
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UniRef90_UPI0004283F11 T T T S R Q A L Y E A I T P Q I E A L L I T G E T D L I A N L A N I S
UniRef90_UPI000428435B D A A T K T E K Y E A V I P Q I E A L L I T G E P D L Y A N L A N I A
UniRef90_E4RSH3 T Q A G K R E L Y E S I I P Q Q L A L S E G E N D L I A L T A N I A
UniRef90_UPI0002F5FF6A M F A L S E A P S S K P A L Y E T L A A Q A R A L V E T E T D L V A N A N A N F A
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UniRef90_U2LY67 T R K E Q Y E Q L I P Q I A G L I K D E T N L V G L L A N V S
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UniRef90_UPI000415856A A L Y R E L L A A A G A I L T D G E P D G V A N M A N V A
UniRef90_UPI0002E2F090 M N M T T K E S R Y E T L V A Q Q V A A L T I E G E T C R M S V L A N V T
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UniRef90_M8DM01 K E T N Y N L L T K Q L Q S L I E D E Q N L I A I L L A N T S
UniRef90_Q4L759 S K Q F Y S D L I G D L S A L I E G E N R F I T I L L A N S S
UniRef90_G7LKT6 M H K V H A D S A S K T E A Y N Q V I E Q A A A L F D G Q R N W V C N T A N T A
UniRef90_N1QIF9 T L S K T D L Y H E V A Q Q A Q A L M A G E K D V I A N L A N L S
UniRef90_K6XN97 N K K E T Y E L L L K Q T A A L T E G E A D T V G V L A N V A
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UniRef90_UPI0003B64F70 S G S K A E I Y A Q V I Q Q A K G L V I T G Q R N W V S N F S N V A
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UniRef90_R0DZX8 M F T T S S L T G S K P E Y Y A Q L I A Q A Q A L V Y G E P N L V A N A N L A
UniRef90_L0KCQ0 T K E E K Y N T I V T Q I T K G L T A D E Q N L I A N L A N T A
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UniRef90_G8XZ31 A S S K E E V L D S V I C S Y T A L S S D T R N W V A N L A N C
UniRef90_W3ASE9 Y K L L T A Q T K S L A E G D H N F I P V L L S N A S
UniRef90_S9QRK8 T L D L R G R P K A E A Y A E L H Q H V E A V L E G L D D V A A M A T M S
UniRef90_E6QJV9 Q L T E T L N T L D L R T L L N R T A
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UniRef90_U1BCL9 E N L I T E G D S K E E K Y Q A L L P Q A H A L I I G E T D V I A A L A N L S
UniRef90_Q7W288 M F A T P I S T V S K P V F Y A E L L A Q A R A L I A G E H D R I A N A N F S
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UniRef90_T0SC39 M S N K T K E Q N Y E L L L K E A K A L L P S D H F V S R L A N A C
UniRef90_J3KGE0 S K A E V Y A Q V L Q Q A Q G L T E G Q R N W V S N L A S V S
UniRef90_N4TY79 T K E D A Y E Q V L W Q A E G L I T D Q R N W S N L S N A A
UniRef90_D5EXT8 N K V E K Y Q L L Q Q I K A L S A G E T D Q V A V M A N V A
UniRef90_E3CJ47 Y N N L M T N S E K K S L Y D L L L V Q L E S L L E G E T N V L A N L A N A S
UniRef90_UPI00037DF845 N A R L Y R R V E R Q N R M L R V L A H L S Q E F S I L L D L D E L L T K I A
UniRef90_T2NLJ9 K K I E A Y E L M L L Q L K G L E A E S N W I A N L A N S S
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QUERY	50	60	70	80
UniRef90_UPI0003649BAE	A V L K E A F G W F V V	G F Y L V D T E E G	N L V L G G P F F Q Q G	L P A C T V R R I P P F F
UniRef90_G4HMS4	A L L N Q F L L D I N W V	G F Y L Y D D G K E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P P F F
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UniRef90_W7D8H3	A L L N Q A L D I N W V	G F Y L V D D G K E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L L L
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UniRef90_K0W194	A L M F Q M M D L N W A	G F Y F L L D E E T N	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
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UniRef90_UPI0004048754	A A L K Q G F N F F W V	G F Y L L V D E E T K	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_I0KJ51	A L V Y H A L D L N W V	G F Y L Y D D G K E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
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UniRef90_UPI0003B32550	A L L F H Q L D L N W A	G F Y L M R E E E A S	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_UPI00040273E6	A L L N Q F L D T N W V	G F Y L W K E E A S	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
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UniRef90_A0A013WT91	A L L W Q F L D L N W A	G F Y R L V G D E D	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_UPI0004283F11	A V L R E A F G F F W V	G F Y L V K D E G E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_UPI000428435B	A A L R E A F G F F W V	G F Y L V K D E G E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
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UniRef90_F7Z0N0	A L L N Q F L D V N W V	G F Y F A S G A D E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
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UniRef90_UPI0003A7B6B4	A L I W Q F L D L N W A	G F Y R M A D D	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_U2LY67	A L L N E R L D V N W V	G F Y L M E G H Q E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_I0TAI6	A A L H E A F P F F W V	G F Y L M E G H Q E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
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UniRef90_UPI00037207B1	A L L W E T L D L N W A	G F Y R M V D K A	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_UPI000415856A	A L V Y D T L D V N W V	G F Y L T K A P	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
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UniRef90_M8DM01	A L L N Y F L D I N W V	G F Y V A E G N E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
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UniRef90_K6XN97	A L M F M R L P L N W A	G F Y L L N K E G	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_V8CB82	A A I H H T F D F W T	G F Y L L N K E D T	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_UPI0003B64F70	A L I Y D N L D L N W A	G F Y L M D N K G A	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_C8VC25	S L L W H A Y A N W A	G F Y I R Q D Q F E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_B9CNA2	A L L W G A L D I N W A	G F Y L M D S D T G	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_UPI00046847D7	A L I N D T Y D L N W S	G F Y L M D S D T G	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_A6W3M8	A F V M Q T V D L N W S	G F Y F A R G E E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_Q480J4	A L L F E R L D V N W V	G F Y R L D D G E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_D0R1Y6	A L L F N S L N V N F A	G V Y R Y D N Q	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_Q6CIH6	S L I W H N V D V N W A	G F Y L R R E N K K	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_C2D455	A L L N Q S L D I N W V	G F Y R Y P E N D E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_F4QHB5	S L C V Q A F D W F W T	G F Y C V D E G V E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_A0A023CW05	A L L F E S L D I N W A	G F Y L Y D E S K K	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_UPI0002D5487D	A L L F Q S L D I N W A	G F Y L W D D G E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_M5EFB9	A L L F E F M D I N W A	G Y I W D D G K Q	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_UPI00046F36DB	A L L N Q F L E I N W V	G F Y L F E D K D	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_Q9CLS6	A F I L Y Q R H M D L N W V	G F Y L F E D K D	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_I0T923	A L L K S R F P T V F A	G F Y L F D G E E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_R0DZX8	A L I F H S L P S N W A	G F Y F Y D G E L	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_L0KCQ0	A V L Y N N L Q V N W S	G F Y L W Q E G G	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_B8KNi3	A F L K T L D I N W V	G F Y F L K G G E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_G8XZ31	S L I W H A Y P V N W A	G F Y V L D P S S	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_W3ASE9	A L I K S T L D L N W A	G F Y L V K K K	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_S9QRK8	C L L H H A F G H L W T	G F Y R V V E P G	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_E6QJY9	E L I R K V I P Y R I F A	L L L D E A T Q E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_T0DE77	C V L K Q A F H Y Y W C	G F Y M V D P K E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_U1BCL9	A A L A S T F G W L Y T	G F Y L V K K G E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_Q7W288	A L V Y Q A L D I N W A	G F Y F H D G Q E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_S3JTL0	A F I M E H I G L N W A	G F Y R M K G N E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_T0SC39	A L I K Y F N H H W V	G F Y L V D D S K N	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_J3KGE0	S L L W H A Y A V N W A	G F Y V R K D K K	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_N4TY79	S L L W H A Y D V N W A	G F Y V L D K S S	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_D5EXT8	A A I H L E M G F W W T	G F Y R V Q N	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_E3CJ47	A L I K E A L P S V F A	G F Y L Y D G Q E	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_UPI00037DF845	S T V R A L I A F D A F S	F L V D D R D Q G	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_T2NLJ9	A L L N E T L D T V F A	G Y I L F E E G L	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L
UniRef90_G8JPS4	S L L W Y A I N V N W A	G F Y I T K K D N	N L V L G G P F F Q Q G	L P A C C C C C I R R I P L V L

QUERY	90	100	110	120
UniRef90_UPI0003649BAE	G R G G V V C	G Q A W A K G K G T V V V V	G D V D A H P D H I A C	S S L S R S E I V V P
UniRef90_G4HMS4	G R G G V V C	G T A W K E N K T V L R I	A N V D N E F P P G G H I A C	D T A S Q S E E I V V P
UniRef90_F9DUQ9	G R G G V V C	G T A A A A K S K E G T L L V V	E D D V H N A F P P G G H I A C	D A A S R N S E E I V V P
UniRef90_G4CT14	G R G G V V C	G Q S W A Q A Q T T L I V V	P D V V N N Q F H L D H I A C	S S L S Q S E E I V V P
UniRef90_W7D8H3	G R G G V V C	G S A A A A Q T T Y L V V	K N D V N E F P P G G H I A C	D A A S R R S E E I V V P
UniRef90_K0F9J3	G K G G V V C	G T A A A E T G E T T Q L V V	K D D V H V F P P G G H I A C	D A D A T R S S E E I V V P
UniRef90_K6CY09	G K G G V V C	G T A A L K K E T T I R V V	K D V V N Q F P P G G H I A C	D S A S Q S S E E I V I V P
UniRef90_K0W194	G R G G V V C	G T A A V K E G A S T I L V V	E D V V H D S F P P G G H I A C	D A A S R R S E E I V V P
UniRef90_UPI00036E1A87	N K G G V V C	G A A F Q Q K K T I L V V	P N V D D E F P P G G H I A C	S S D S K S S E E I V V P
UniRef90_UPI0004048754	T R G G V V C	G A S Y S R Q Q E T T I L V V	P D V V D A F P P G G H I A C	S S D S K S S E E I V V P
UniRef90_I0KJ51	D K G G V V C	G A A A S Q R K V T Q R V V	D D V V D N A F P P G G H I A C	D S A S Q S S E E I V V P
UniRef90_H7F8K8	G R G G V V C	G N A L K E K V T Y I V V	H D D V D A F P P G G H I A C	D A A S Q S S E E I V I V P
UniRef90_D6XSQ0	G K G G V V C	G T A V S E G M T Q R I V	D N V V H E F P P G G H I A C	D A A S N S S E E I V I V P
UniRef90_K2IQ03	G K G G V V C	G T A A E K A T Q R V V	A D V V H H A F P P G G H I A C	D G A S R N S S E E I V V P
UniRef90_UPI0003B32550	G R G G V V C	G T A A A T R E T Q L V V	P D V V H H A F P P G G H I A C	D A D A S R S E E I V V P
UniRef90_UPI00040273E6	G K G G V V C	G T A V K E Q S T Q R V V	A D V V H H N F S G G H I A C	D S A T K S S E E I V V P
UniRef90_K8E3F9	G R G G V V C	G T A F Q K K S S I L V V	N D V V H H A F P P G G H I A C	D A A S R Q S S E E I V I V P
UniRef90_F7UEF4	G R G G V V C	G A A V E R S S I L V V	D D V V H H A F P P G G H I A C	D A A S R S S E E I V V P
UniRef90_UPI00047BDF1B	N R G G V V C	G T A A A K R R E T L R V V	A D V V H H E F P P G G H I A C	D A A S N S S E E I V I V P
UniRef90_M3E0T3	G K G G V V C	G T A A V A D K R T M L V V	E D V V Q A F P P G G H I A C	D S A A T R S S E E I V V P
UniRef90_A0A038GWQ6	G R G G V V C	G T A A R E R R T Q V V	P D V V H H A F P P G G H I A C	D S A S R S S E E I V V P
UniRef90_J0GWF1	G K G G V V C	G T A V A E A R S V L V V	P D V V H H E F P P G G H I A C	D A A S R S S E E I V I V P
UniRef90_L0L136	G R G G V V C	G T A A V E R A Q S I L V V	E D V V H H A F P P G G H I A C	D A A S R S S E E I V V P
UniRef90_UPI0002F7CBC3	G K G G V V C	G A A A T R E T Q L V V	E D V V H H A F P P G G H I A C	D A A S R S S E E I V V P
UniRef90_J1FKL2	H K G G V V C	G A C F T R Q E T T I L V V	P D V V E A F P P G G H I A C	S S D S K S S E E I V I V P
UniRef90_A0A013WT91	G R G G V V C	G A A A T R E T Q L V V	E D V V H H A F P P G G H I A C	D A A S A S S E E I V L P
UniRef90_UPI0004283F11	N K G G V V C	G H C Y T T R Q T I V V	P D V V E A F P P G G H I A C	S S A S K S S E E I V L P
UniRef90_UPI000428435B	G K G G V V C	G A A W K E A R T Q L V V	P D V V D A F P P G G H I A C	S S A S K S S E E I V L P
UniRef90_E4RSH3	D K G G V V C	G H S F S T K S T V V V	P D V D D Q F P P G G H I A C	S S A S R S S E E I V L P
UniRef90_A3NXX2	G K G G V V C	G T A A Q T R G T Q V V	H D V V H H A F A G G H I A C	S S A S R Q S S E E I V V P
UniRef90_F7Z0N0	G K G G V V C	G T A W K E K R V L R V V	A D V V Q Q F S A G G H I A C	D A A S Q S S E E I V V P
UniRef90_F5Z7T7	G K G G V V C	G T A A E T R T V Q R I V	A D V V H H G F S A G G H I A C	D A A S N S S E E I V I V P
UniRef90_UPI00047BC305	G R G G V V C	G T A A A Q T R Q T Q L V V	R D V V H H E F A G G H I A C	D A A S N S S E E I V V P
UniRef90_G6YJF3	G K G G V V C	G T A V D L D M S M L V V	K D V V H H D F P A G G H I A C	D A D S R S S E E I V V L
UniRef90_UPI000375F0E4	G R G G V V C	G T A F K G N D L F I V V	K D V V N E F P P G G H I A C	D A N S N S S E E I V I V P
UniRef90_UPI0002F5FF6A	G K G G V V C	G T A V S T N E T Q V V	K D V V H H Q F P P G G H I A C	D A N S N S S E E I V V P
UniRef90_C4UP61	G K G G V V C	G T A V S E N R V Q R V V	A D V V H H L F P P G G H I A C	D A A S N A S E E I V L P
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UniRef90_W9XYB0	G K G G V V C	G A A A Q R G S T V L V V	T D V D D F P P G G H I A C	D G D S R S S E E I V V P
UniRef90_Q9A616	G R G G V V C	G A A A A T G Q T Q L V V	P D V V H H A F P P G G H I A C	D G R S Q S S E E I V V P
UniRef90_UPI000249074E	G S G G V V C	G T A F K T N T V T R V V	K N D V H H H F P P G G H I A C	D S D S N A S E E I V V P
UniRef90_A6FA03	G R G G V V C	G T A A A S T L Q T Q L V V	T D V V H H D F P P G G H I A C	D A A S N A S E E I V V P
UniRef90_UPI0003A7B6B4	G K G G V V C	G A A A A S G R T Q R V V	E D V V H H A F P P G G H I A C	D A A S A S S E E I V V P
UniRef90_U2LY67	G K G G V V C	G T A A A Q N Q V Q R V V	G D V V E A F P P G G H I A C	D A A S N A S E E I V L P
UniRef90_I0TAI6	G K G G V V C	G K A W E E G R T Q I V V	P N V V E T F P P G G H I A C	S S R S R S S E E I V I V P
UniRef90_R7ZC28	G R G G V V C	G T A V V K K E T T I V V	K D V V H A F P P G G H I A C	D A A S Q S S E E I V I V P
UniRef90_UPI00037207B1	G K G G V V C	G T A A A T G E T Q V V	E D V V H H A F P P G G H I A C	D A A S A S S E E I V V P
UniRef90_UPI000415856A	G K G G V V C	G T A A A T R T T Q H V V	E D V V H H A F P P G G H I A C	D A A S N A S E E I V V P
UniRef90_UPI0002E2F090	G S G G V V C	G A A A Q A R A T Q L V V	E D V V H H A F P P G G H I A C	D A A S A S S E E I V V P
UniRef90_D3HVA8	G K G G V V C	G T A W A E K R T L V V	P D V V E D F P P G G H I A C	S S L S R S S E E I V V P
UniRef90_M8DM01	G K G G V V C	G T A A N E K R T V R V V	A D V V H H A F P P G G H I A C	D A A S S S E E I V V P
UniRef90_Q4L759	G K G G V V C	G T A V A E D K T Q L V V	K D V V H H A F P P G G H I A C	D A N A K S S E E I V I V P
UniRef90_G7LKT6	G K G G V V C	G R A M A E N R V Q R V V	G D V V H H V F P P G G H I A C	D A A S N A S E E I V L P
UniRef90_N1QIF9	G K G G V V C	G V A A A T Q Q T Q L V V	P D T E K F P P G G H I A C	D G A S R S S E E I V V P
UniRef90_K6XN97	G R G G V V C	G K A A E T G L A Q C I	H D V V H H E F E G G H I A C	D A D S N A S E A V V V
UniRef90_V8CB82	G K G G V V C	G T A F A E R R T L V V	P D V V E K F T G G H I A C	S S L S R S S E E I V V P
UniRef90_UPI0003B64F70	G K G G V V C	G T A A A G E D R T L L V V	P N V V H H E F P P G G H I A C	D G A S S S E E I V V P
UniRef90_C8VC25	G R G G V V C	G A A A A K R E T V V V	P D V V L E F P P G G H I A C	D A S S R S S E E I V V P
UniRef90_B9CNA2	G K G G V V C	G T A A E T E K S Q L V V	E D V V H H K F P P G G H I A C	D A A S N S S E E I V V P
UniRef90_UPI00046847D7	G S G G V V C	G T A Y K D Q S I H R V V	A N V V H H E F P P G G H I A C	D A S A S S E E I V V P
UniRef90_A6W3M8	G R G G V V C	G K A A I T L Q T Q R I V	E D V V H H A F D G G H I A C	D A A S A S S E E I V I V P
UniRef90_Q480J4	G K G G V V C	G T C S F T G E V Q R I V	S D V V H H E F D G G H I A C	D A S S N A S E E I V V P
UniRef90_D0R1Y6	G K G G V V C	G T A A K E K Q T Q I V V	K N V V H H Q F A G G H I A C	D S E S N S S E E I V V P
UniRef90_Q6CIH6	G K G G V V C	G T A A S S Q Q T Q L V V	P D V V E N F P A G G H I A C	D G E T K S S E E I V V P
UniRef90_C2D455	G V G G V V C	G T A L T Q K H S L R V V	A D V V H H A F A G G H I A C	D G D S R S S E E I V I V P
UniRef90_F4QHB5	G R G G V V C	G T A A S T R T Q I V V	P D V V H H A F P P G G H I A C	D G D S R S S E E I V V P
UniRef90_A0A023CW05	G K G G V V C	G M A F S S Q K V Q R V V	R N V V H H D F P P G G H I A C	D A A S M S S E E I V I V P
UniRef90_UPI0002D5487D	G K G G V V C	G S A F S H K R V E R I V	A D V V H H L F D G G H I A C	D A Q S N S S E E I V L P
UniRef90_M5EFB9	D K G G V V C	G T A Y S Q R K I M L V V	D D V V H H E F P P G G H I A C	D P N S K S S E E I V L P
UniRef90_UPI00046F36DB	D K G G V V C	G R A A S L R E T V R V V	A D V V H H Q F P P G G H I A C	D A A S Q S S E E I V V P
UniRef90_Q9CLS6	G K G G V V C	G Y T W Q T G T T V V V	D D V V H T Q F A G G H I A C	D S A S K S S E E I V V P
UniRef90_I0T923	G K G G V V C	G E A A E F Q E T V L V V	G D V V T T Y P N Y I S O C C	D S R A K S S E E I V V P
UniRef90_R0DZX8	D N G G V V C	G A A A S T R Q S Q R I V	A D V V D A F P P G G H I A C	D S A S R S S E E I V I V P
UniRef90_L0KCQ0	G A G G V V C	G T A I A K K E T L V V V	S D V V H H A F P P G G H I A C	D A A S K S S E E I V V P
UniRef90_B8KNI3	G R G G V V C	G T A V A S G E T Q R V V	E D V V H N F P P G G H I A C	D D V A S R S S E E I V V P
UniRef90_G8XZ31	G R G G V V C	G N A A S T K K T Q L V V	P D V V N A Y P P G G H I A C	D G E T K S S E E I V V P
UniRef90_W3ASE9	G R G G V V C	G T A W A E D K T Q L V V	E D V V H H Q F P P G G H I A C	D S A S N S S E E I V V P
UniRef90_S9QRK8	G K G G V V C	G T S A A E G R T V I V V	E D V V H S F P P G G H I A C	D G R S A S S E E I V V P
UniRef90_E6QJV9	G Q G G V V C	G Q V A K T R Q A M L L	N D V V S L V P D Y I P A	N D A V R S E E I A V V
UniRef90_T0DE77	G K G G V V C	G T A A Q L J E T Q I V V	E D V V H A I L A N H I A C	D P K S Q S S E E I V I V P
UniRef90_U1BCL9	G R G G V V C	G S A W A Q N R E T L L V V	D D V V D A F P P G G H I A C	S S A S R S S E E I V V P
UniRef90_Q7W288	S R G G V V C	G A A A S Q R R T Q V V	P D V V H H A F P P G G H I A C	D A A S R A S E E I V V P
UniRef90_S3JTL0	G K G G V V C	G H C A V S R K S I M V V	P D V V H H A F P P G G H I A C	D A A S K S S E E I V V P
UniRef90_T0SC39	D K G G V V C	G S A W A R R E T L V V V	D D V V H H Q F P P G G H I A C	D S L S N S S E E I V V P
UniRef90_J3KGE0	G R G G V V C	G T A A S K R E T V I V V	S D V V L E W E G G H I A C	D A D S R S S E E I V V P
UniRef90_N4TY79	G K G G V V C	G A A A A T Q E T Q L V V	R D V V E E F P P G G H I A C	D G D S E S S E E I V V P
UniRef90_D5EXT8	G K G G V V C	G T S W K Q G E T I V V V	P D V V D V Q F P P G G H I A C	S S S E S R S S E E I V V P
UniRef90_E3CJ47	G K G G V V C	G E S A H K N Q T L I V V	D D V V T Q H A N Y I S C C	D S A A L S E E I V V P
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A L L K S R L P T V F A G F Y L L D D G K E L V L G P F Q E G G V S C I R I A L
Q K A R A A L G S D V C S V Y L L A D H D A Q Q F I L M A T E T Q D F V G K V S M A F
D V T T E L L G A E R G T L F L L A N D A E T G E L F S R A Q G N I Q R E I R F L N
E A V A K I F G V A N V G M L L F T Q T D Q A L I A L Y G N P S P F D Q Q D L P H
Q A L L P V F R Y D A A Y F A V L C T P G N R E T F R A A L L V D E S V E Y P Y
S Q T R H A M A V D C C S V Y V S E P E V R R Y R L A A T D S A V G K V T L P Y
A K A V E L S R A E R A D I F R V G N D G R L E L A A T Y G D A T P R G E I P M
H L I A T S M G C E V C S I Y L F D E D T L E L C E G L N K D A V H Q T R M K M
D L I A S S M Q A E V C S I Y L F D A D T L E L C Q G L E Q E S V H Q T R M R L
K L V A K H M E T E A C S I F L L D N T T G N L V L R A S P D M I G I L R I A L P
D H T F S L F Q A D G C T I F L M E E G K R S L R V I S A R E S Q N D P E L R V
S L I A D S M R T E V C S I Y L F D P D T L E L C E G L N P E A V H K T R M R I
Q Q T C L A M N T E C C T I V L L A N E E M Q R L E L M A T Q F K G N K I H H F
R R I R E A L N I Q S C T V F I L L D D E K N Y V L E G L N P H C I R K I R F N F
T I A A D M V A E V C S V Y V M R G E V L E L F C G L A P A A V H M T R L R V
D N L R E V V E Y T S A S F Y L F V G S A R D R I V A H G T R V Y Q R I D R A P S
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N E T C L A M N T D V C S I Y L L A D H Q Q Q C Y Y L M A T K P K W R M I R L A F
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A G I G E I I D T S T S L I A L Y D E A T N T I S Y P I A Y D R G Q R V T L P L
D S A K I V L K A E A S S L M L I D R K T N E L F F G E K E R D L K E I R I P I
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N E T C Q A M D T E V C S I Y L L A D N D R Q C Y Y L M A T R P R G R V V T L A F
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D Q G I A G V V A C T G E S L L V H D V R R D H R F L P G E T D T Q S L L V L P
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N K G I A G E V A T L K K V V N I P D F Y N D E A R S R R N G Y R T Y T F L L A L P
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A H E L A A N L H V P Q L L N I A E H P A L S L L H N Q L H R I R S D L L A V P
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G F I V Q A V R E A R V I A V H N A F N D S K G F V A A R E N F Y S S F L C M P
G E G L V G R V A K K R E L V I N T S D A P Q A K G F R Y M P E I Y S S F V G V P
G E G L V G R T A K T G N I V N I A N A P A E K G F R Y M P E I Y S S F L G V P
G E G L T G T S L K E S R A I N V P R G A S N D P R A F K Y I E E R Y S E F L A V P
G F G M V G W V A A T G E P L N I S G D A E H D P R A L H I Q G T P V E D E M G I P
G E G L V G R V A R T S R A I N T A D A S T K G F R Y M S P E T Y S S F L G V P
K E G L V G L V K R S A E P L N L E A S K H P N D F L Y G S E E R Y K A F L G T P
N Q G L V G L V G Q T R E L I N I E A N A P E H P P R A D F L Y G E E R Y K A F L G V P
G E G L V G Y V A A H A R P L N L K D A Q G S H P N F A Y R P E I Y H S M L G V P
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G E G S I G W V V A N K T I D V I D D V R K S D H Y Y R L R D E T L S Q C A I P
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Y E G L I G L A V G D R E E P L N I E N A P Q H P K F K H F P E K T H A F I G T P
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T I F D E T K A T R G F I M L Y D E E N K E L V P K A V R K K N Q D D E V I T V
S A I T D L L G A D R T I Y I R D E E Q N E L W S I L A G K G S L E I R M R P V L
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C N S D G E V I G V A Q A I N K N P G P F T E D D E K V L Q M Y L P F C G I S L
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L K A G G E I L F G I L N V A A P G K E I F T D E E L A L Q A V A Y Q I G T A V

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UniRef90_A4BAG5	A H A
UniRef90_C9RS71	H G E R E A M [L]
UniRef90_E1FJ1	E N [V] R
UniRef90_A6C5B6	E S A R
UniRef90_X5KFD9	H Q A R
UniRef90_K9QS54	Q N A Q
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UniRef90_B115C9	D D A
UniRef90_X5UU06	E N [V] R
UniRef90_K9SF43	E N A
UniRef90_K1YSM9	K N T
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UniRef90_V4QE17	
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UniRef90_T2GKS9	E
UniRef90_B9DN89	
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UniRef90_L0DCG6	N
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UniRef90_Q1QQY6	A S G E [L] A A [L]
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UniRef90_M0LGJ5	D
UniRef90_F0S898	D N S
UniRef90_U5QFS4	E R Q R
UniRef90_B1KQK6	N N [L] R
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UniRef90_A7S9Q1	N N A
UniRef90_UPI0004766FAA	E N A R
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UniRef90_A8UU60	E R [I] E K E
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UniRef90_UPI0004690B03	K N A
UniRef90_S9TN30	N N S
UniRef90_M0E204	E N [L] R A E
UniRef90_K9TS22	E
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UniRef90_K3WQH5	R R R S N E [I]
UniRef90_U5EQH7	M H A
UniRef90_Q20JY9	N S T Q
UniRef90_D0LTT6	S H R Q
UniRef90_H2YVD4	S N T R M
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UniRef90_UPI0003748638 N T S P S R A A F H T G E V A I R C D V R I E P Q F V A Q E Q G Y R A I A V P
UniRef90_L7U5E2 D E G P S H E V L R T G E A L W V P D L P P Q Q H G L L K D F P F T R M M V P
UniRef90_UPI0004767E97 G G C R C L D L C G E G R C Q R I D E A I Q Q G R G D T E G I T Y H A S V P
UniRef90_B4D4Q8 G R G Q A G Y T L L A G E P V I V N D I A A E K R F A V L D A R L K S G I S V A P
UniRef90_K1Y5Y4 G E C L C G R A M E T G E I V I A Q R C S E D S R H R M C N Q P H G H I T V P
UniRef90_K9PJM4 C Q G L T R Q I P Q L L Q K A V S V E I V Q A W H P K L L V T Q M A C P
UniRef90_U7DH36 D E G I V G Q V A Q A R L I R L D H V P S D Y F K V T G E G L P H S V L V V P
UniRef90_X0WBR8 D D P L S Q E I L R T K Q P L A L S D A Q R D G R F L G G T G W V R S W M G V P
UniRef90_UPI00037D324C D E G P C L E A A W E H S T V R M N D D D E P R W P A F A A R A V R E L S F Q
UniRef90_Q8YSG5 G E N Y S S L Y A L G R S Y V V D D M T T C H T D I L J A Q F H V R A N V I M P
UniRef90_S9R6Q6 S E A I V R Y V I Q R T Q E V V L D D A S T A T S F D S D P Y R P K S V L C M P
UniRef90_UPI00034CEE65 Q G G I V N Y V A R T Q K S V L D D D A T R D N Q F A S D P D I R H Q L C T P
UniRef90_R4KXG7 F P A I N I A I K N K R P V I I T P N I K K Y I P V I I K D F N Y S W M V M A P
UniRef90_L0D9F2 A S C L S G L C V R T G E V L H S E E T R T D P R V N Q E A C R R R S M I V A P
UniRef90_S9WYF4 E K G I A G Q V A R T G E V L N I P D A Y A D P R F L Y T G Y T T R N I L C M P
UniRef90_UPI0003A87953 G E M V S A H V A L T G E V N I P D V Y D V A G F A K T G Y R S K S M L V V P
UniRef90_C1AB53 P R A I A H G V A E R Q V A L L T N D A A R D T R T A G E S V L Q Q S A M A A P
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UniRef90_UPI000366A97A A T A V F K P T F I G E P A I R S D D I T K D P R Y G K T A P H Y G M Y L A A P
UniRef90_H8GNU1 R N G P S G T A I L L E G R P V W C Q D F S H A P S T L P W H Y G W G S K A A L P
UniRef90_UPI00036C5B2D E N S V I G R Y G S A R M P A V H E D L E A G P A A V P I D T R M R S A V T V P
UniRef90_J9ZBB7 G R G L W G E T V R T A R P V I W N D I A K H V R D L Y L R S G I M S G A G F P
UniRef90_S7I9G9 E G S F V G R V F K N K T L I I C D D V D E I D C K M L G E Y G L N T C M D A P
UniRef90_W2U641 T G V L G R A L T T A Q P V H V P D V R K E P G Y I P A P G V H T S E L A R C
UniRef90_W0E2G1 G V I G S C G H A V S Q G R R V V A D L L S H P F W R A R D L V L S T E L R A C
UniRef90_B4VT08 G E G Y V G K T A K N R Q F L N I R D L Y D D P E S Q E T G Y R T C S L M C M P
UniRef90_G2NDH0 Q H G I A A M L S D A T P Q R L A D V R T D P R F P D A H P D N S M D F L G L P
UniRef90_S0G0R3 G E G I I G K V V E T G K P A V V P R I S K E P L F L D K T H S R M S F L C V P
UniRef90_C5JBG8 G W C L C G R A A A T G A L V Y S E C V D H R H D I T F P E M T P H G H Y C M P
UniRef90_D3T226 G E S Q V V D A V R S G E V Q V S A D T A T D W R E A A L E S G G R S C F C I P
UniRef90_UPI0004699E8E A S A C S T A V Q R R Q L V I S A N D I D Q D Y R A L A L G H S G L Q A C W S I P
UniRef90_UPI000289CF25 S E S N A R D V F L T G V P A I T S D A L S D K R F N K N Y V K L F N A I T V P
UniRef90_H5TKM7 G E G P C L R S A T R D D T T I V I D D M R H E E R W A A A D L G I S M A C F C
UniRef90_L0JWX9 E R G V A G R T Y R E Q R T Y R I D D V D R C E D D A M E D A N A Y S L S A P
UniRef90_Q82U13 G V I G S C G T A A W R G E A V I V S D I D H H P Y W Q P Y L E F T H A C W S V P
UniRef90_N8QVL7 N K S L S G L C I S Q K T T L Y C R D S E T D A R V N H E A C R R R S M A V V P
UniRef90_D7BJ65 G Q G V S W V A L R E G T Q V V A D A A Q D L R I Y V T P G S Q R R P R G S A
UniRef90_B8G658 D E H P H L W Y L P E R S S Q L P A E T L Q R L P L L R R Q N F Q G H L A V P
UniRef90_E9H1H3 N V I G I T S Y V A T T A E T V N V V D A Y E D Q R F D R K D F K H K T I L C M P
UniRef90_Q2JK1 A Q Y P D L Y A Q L L R G E P C I F C L L P D H C L L P D A P R Q G S V L V C P
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UniRef90_P09133 P Q K A I D Q I V A T Q M P L V V Q D V T A D P L F A P P E E A T V S F I G V P
UniRef90_K9ZIS9 D I C I G G W V M L N H Q P A I I E D V S V D E R Y V A Y Q P T F V K S M V M V
UniRef90_U1PA14 E T G A A G R V E T G E P M L I D D V S A N P V A E P A H E S F R S G L L V P
UniRef90_UPI00047B6CDC S D A L T A D V L R T G A P V A V A D V D R D P R A T R R D H H V R S V L G V P
UniRef90_D8I4W3 G Q G I G G R V L A L G R P V K V A D L T H Q F D A Q V R G E G L A A M L A V P
UniRef90_A4VN31 E P S L C F S V G A Q A L R F N A D S M R A L P L G D G D L H A W M L G V P
UniRef90_F5YIW2 G E G L V G R V F E S G I A I M V P D L S R E T H F L N R D M A G L S Y Y C V P
UniRef90_I0IQG3 G E G A A G R V I E T G T S L L I E D Y Q S F S W A L P E V R T M M A E I A V P
UniRef90_G4HFY4 G D C L C R M Y W S G E P V T I J E C E R L H N A I K E N W G E T H Q L T I P
UniRef90_R4YKF5 G V I G S C G T A A F L K Q R V V V E D I W A Q Y R A L A L G A G L Q A C W S E P
UniRef90_L0A2Z7 S E L P A T H A L Q W G Q A L F F E H A E A L H H A Y P G A R G P V A S A V V P
UniRef90_C5JAQ1 S S G I V G R T V T G R A T Q T V F D V Q N D P H F H A T G F V T R S I L C A P
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UniRef90_L9WNM2 G Q G P A G T A I R T G E V Q V T D D T R T D W R D A A S D R G Y R S V I A I P
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UniRef90_UPI0003754F47 G N P H A Q Q V L G Q K A A V V N D V T Q E P S L I P L D L K I G A I L A V S
UniRef90_D4GSD5 G A G L T W E V F E R G E H N L Y R D V D S N S P R F V L D A G V K E E L L V P
UniRef90_N9D085 G Q T F V G R V F A Q S Q L I I C R D D V S Q S D E L M L S E H G M G T C M D A P
UniRef90_W7SB74 G Q S L V G Q V A S T K K A I L V D Q T P A D Y A S S L G S A G P A T L I V L P

	130	140	150	160																																								
UniRef90_C0QD35	I	K	V	K	E	E	V	I	G	I	F	R	I	Y	L	A	T	D	R	K	F	P	E	D	T	V	N	L	R	A	L	T	R	L	G	G	L	A	I	V				
UniRef90_UPI00037CC4D7	V	P	G	Y	E	R	P	G	G	V	I	Q	V	A	D	G	G	R	N	R	F	T	A	E	D	V	R	V	L	S	L	F	A	P	H	V	G	M	E	V				
UniRef90_MOD4C2	I	G	D	S	S	G	N	L	V	A	E	L	C	A	N	K	I	G	K	A	F	T	K	H	A	D	E	Q	I	A	M	T	F	A	I	Y	C	A	L	V	I	T	A	
UniRef90_J9EM80	I	F	G	Q	Q	Q	P	Y	G	I	L	S	A	H	T	T	Q	L	R	S	F	T	S	D	E	D	T	A	F	L	Q	S	V	A	N	L	L	A	Q	A	I	L	I	
UniRef90_UPI00036E0B0B	I	H	G	L	E	R	P	Y	G	V	L	V	L	H	N	R	K	Q	R	A	F	T	K	S	D	D	L	A	S	F	L	Q	A	I	A	N	T	L	S	A	A	C	I	
UniRef90_W4RI83	I	V	R	N	N	G	V	I	G	V	L	V	L	A	A	N	K	K	R	A	F	E	K	S	D	Q	L	M	I	V	D	L	L	C	S	H	F	A	V	A	I	V		
UniRef90_S6GMC7	C	W	S	E	G	T	V	L	G	T	F	A	V	Y	P	K	K	T	K	T	P	K	E	H	L	L	V	A	Q	F	T	N	L	A	R	I	A	V	I	V	I			
UniRef90_M0JKU0	L	S	N	D	E	R	V	N	G	V	I	E	L	G	F	L	R	A	L	T	D	R	D	K	R	F	G	W	I	L	I	A	S	T	N	L	E	T	A	L	I	L		
UniRef90_S6IY87	L	R	L	G	S	S	V	I	G	V	L	Y	A	A	N	R	S	A	R	P	F	A	R	E	E	V	S	L	L	V	S	L	A	A	H	A	A	V	A	I	I	L		
UniRef90_D9T5M8	I	A	V	R	G	E	A	F	G	N	L	Y	L	V	G	C	S	G	P	R	Q	F	T	Q	E	D	E	D	L	E	A	L	A	A	V	A	V	A	I	I	L			
UniRef90_A8KXY3	I	V	L	G	D	E	L	F	G	I	L	A	V	Q	C	S	G	P	R	Q	W	Q	E	F	E	I	D	L	L	E	K	L	A	T	Q	V	A	I	A	I	L	I		
UniRef90_F5UKC3	L	V	R	D	G	R	V	R	T	V	L	Y	L	T	H	R	E	P	R	T	W	T	R	S	E	T	T	L	I	E	E	V	A	A	R	T	W	E	A	A	I	L		
UniRef90_A9W164	V	R	V	R	D	G	E	V	F	G	N	L	Y	M	T	E	K	R	G	A	S	F	T	A	D	D	E	V	V	L	Q	A	L	A	A	A	V	G	V	A	I	L		
UniRef90_R4T8C3	I	L	V	N	D	K	C	I	A	V	I	E	L	F	R	D	R	Q	G	D	S	Y	S	A	V	D	L	Q	I	C	V	S	M	T	G	W	M	G	A	A	I	L		
UniRef90_E0WZ24	I	G	T	G	H	Q	L	W	G	L	L	G	I	Q	C	H	P	R	P	W	Q	E	E	E	V	T	L	M	Q	H	L	A	E	Q	A	A	V	A	I	I	L			
UniRef90_UPI0003632DEE	I	L	N	Q	G	E	L	F	G	V	T	Q	L	N	K	K	K	A	S	F	D	D	S	A	Q	Q	C	L	Y	I	F	N	N	Q	V	G	M	I	L	I	L			
UniRef90_UPI000365F145	L	C	I	Q	D	T	I	V	G	I	L	Y	L	D	D	K	Q	K	A	R	T	F	D	S	A	C	E	K	L	A	L	L	S	F	A	S	F	A	L	S	I	L		
UniRef90_UPI00046EF545	L	R	I	G	D	R	V	T	G	I	L	G	V	K	S	D	D	P	K	M	F	D	A	S	D	L	E	L	L	E	F	I	S	G	Q	V	A	L	A	I	L	I		
UniRef90_B4VJM9	V	F	S	P	G	D	L	L	G	V	T	L	V	N	K	E	R	K	T	S	F	D	D	S	D	Q	K	Y	M	Q	I	F	N	N	Q	V	G	V	I	L	I	L		
UniRef90_Q984C1	V	R	S	Y	G	E	V	L	G	V	L	F	F	G	H	A	E	T	G	K	F	G	P	E	H	S	A	L	L	G	I	A	G	H	A	A	T	A	I	I	L	I		
UniRef90_UPI000379BC23	I	K	T	N	D	P	L	G	A	I	G	C	Y	W	S	E	N	H	S	A	T	P	E	Q	I	K	V	L	Q	V	L	A	D	T	A	A	I	A	I	L	I			
UniRef90_M0LI95	M	Y	L	P	I	G	D	H	G	V	V	S	I	G	A	R	R	G	H	E	F	T	D	S	D	V	S	V	A	E	L	I	A	S	N	A	A	A	A	A	F	I	L	
UniRef90_UPI0004443700	I	V	S	R	G	S	V	I	G	V	Q	M	V	N	K	L	S	G	A	F	S	K	T	D	D	V	N	N	F	K	M	F	A	V	F	C	A	L	A	I	L	I	L	
UniRef90_H2TLQ0	I	R	N	K	D	K	V	I	G	V	C	Q	L	A	S	D	S	V	K	A	F	N	R	N	D	E	Q	F	L	E	A	F	A	I	F	C	G	L	G	L	I	L		
UniRef90_G2DFK3	I	H	S	G	E	R	L	V	F	T	L	Y	L	A	E	S	G	H	V	T	F	R	Q	E	Q	L	F	L	T	S	V	A	D	I	L	G	N	L	I	L	I			
UniRef90_UPI0003748638	L	J	A	G	A	E	V	L	G	T	L	N	G	Y	A	S	V	H	V	T	F	T	R	Y	E	V	E	R	L	T	L	L	A	N	H	A	A	I	A	V	I	L	I	
UniRef90_L7U5E2	L	R	A	R	G	R	S	L	G	T	L	T	V	W	K	D	A	E	R	T	V	D	A	G	E	Q	L	L	L	Q	E	L	L	A	D	R	A	A	L	A	I	L	I	
UniRef90_UPI0004767E97	L	K	T	G	D	H	L	F	G	L	L	N	V	A	S	P	H	K	R	A	F	S	K	D	L	H	L	L	E	A	M	L	Q	I	G	T	A	A	I	L	I	L		
UniRef90_B4D4Q8	V	K	G	S	E	P	L	F	G	V	L	A	A	F	T	M	A	A	R	A	F	A	Q	D	D	A	H	F	L	Q	S	V	A	N	V	L	T	A	A	I	L	I	L	
UniRef90_K1Y5Y4	L	K	A	A	G	A	M	V	G	M	L	N	L	Y	I	R	P	D	T	E	V	T	E	Q	M	I	G	L	L	S	S	V	A	T	Q	V	G	T	A	A	I	L	I	
UniRef90_K9PJM4	L	F	D	T	Q	G	M	L	G	N	F	W	L	T	R	P	T	Q	E	A	F	D	E	F	E	I	D	L	V	Q	Q	I	A	S	Q	C	A	I	L	I	L	I	L	
UniRef90_U7DH36	T	S	D	D	R	V	N	G	V	I	E	L	G	F	L	R	P	L	N	D	R	D	V	E	L	L	E	L	I	A	G	N	I	G	T	S	I	L	I	L	I	L	I	
UniRef90_X0WBR8	L	L	S	K	G	E	V	I	A	L	F	T	L	N	K	K	E	P	G	L	Y	T	A	D	M	A	E	L	A	L	A	F	G	Q	V	A	I	A	I	L	I	L		
UniRef90_UPI00037D324C	L	F	T	H	E	G	A	M	G	A	L	N	L	F	S	E	K	S	D	A	F	S	R	E	E	L	G	L	I	Y	A	T	H	A	A	L	A	I	L	I	L	I	L	
UniRef90_Q8YSG5	L	L	C	G	A	E	L	W	G	L	L	C	I	Q	C	A	T	T	R	W	Q	S	E	I	D	F	T	Q	L	Y	A	T	Q	A	L	A	I	A	I	L	I	L	I	
UniRef90_S9R6Q6	I	I	H	H	K	K	R	A	G	I	L	Y	L	E	N	E	L	L	N	A	F	T	P	E	R	C	K	V	L	E	L	L	T	A	Q	A	I	A	I	L	I	L	I	
UniRef90_UPI00034CEE65	M	V	N	Q	G	K	L	S	G	V	L	Y	L	E	N	N	A	T	A	A	F	K	P	E	R	V	E	L	L	N	L	S	T	Q	M	A	I	A	I	L	I	L	I	
UniRef90_R4KGX7	I	T	K	K	D	T	L	G	I	L	Q	V	D	R	P	Y	K	G	F	D	H	E	E	T	E	I	S	A	I	A	R	V	T	A	I	A	I	L	I	L	I	L		
UniRef90_L0D9F2	L	V	Y	G	G	R	T	V	G	V	L	K	V	F	S	P	S	P	W	R	F	D	D	R	D	V	C	T	L	Q	L	M	A	G	F	A	S	A	A	M	I	L	I	
UniRef90_S9WYF4	I	V	S	R	G	S	V	I	G	V	L	Q	M	V	N	K	L	S	G	A	F	S	K	T	D	D	E	N	N	F	K	M	F	A	V	F	C	A	L	A	I	L	I	L
UniRef90_UPI0003A87953	M	R	N	H	E	D	L	I	G	V	L	V	L	N	P	E	T	G	P	F	S	S	S	D	D	Q	G	L	I	S	L	A	S	Q	A	A	I	A	I	L	I	L	I	L
UniRef90_C1AB53	L	L	G	E	G	R	T	L	G	V	L	Y	V	D	H	R	E	H	Q	A	F	Q	D	D	D	L	A	L	V	A	F	A	G	I	A	S	A	A	V	I	L	I	L	I
UniRef90_X1D3H5	L	I	A	D	G	K	K	L	G	A	V	L	I	S	F	D	Q	P	H	N	F	S	E	R	S	L	N	E	Q	A	R	I	L	A	A	I	L	I	L	I	L	I	L	
UniRef90_UPI000366A97A	V	I	S	H	G	E	V	I	G	V	L	F	F	A	H	S	D	K	V	A	V	F	T	E	R	S	E	R	L	A	T	G	A	A	Q	A	M	A	L	I	L	I	L	I
UniRef90_H8GNU1	I	H	R	N	G	E	V	V	G	V	F	C	L	Y	A	G	K	T	H	A	F	D	E	D	V	R	D	L	L	K	M	A	G	D	I	S	F	A	L	I	L	I	L	I
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UniRef90_J9ZBB7	V	I	R	G	G	D	L	F	G	V	L	L	V	H	S	N	E	T	D	F	F	D	S	P	L	V	D	L	I	N	L	V	E	N	L	S	F	A	I	L	I	L	I	L
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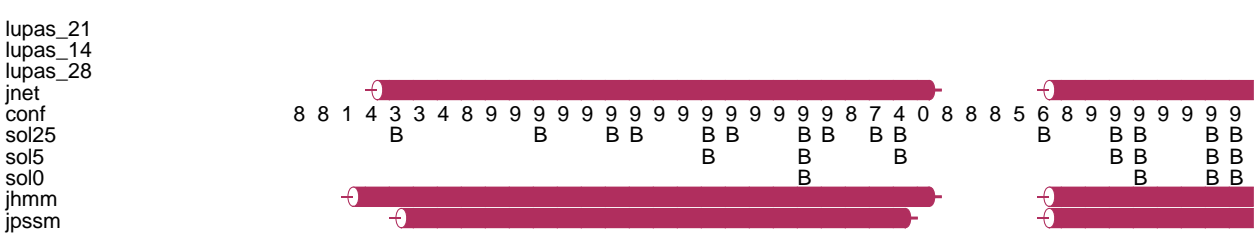
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L L N Q Q G L L V A L L Y L E N S R V A T V G A F T R D R V L E L L E L L C A Q Q A A I S L
C Q V S D D R M G L L V L Y S R K T R H A F T A D E E I E L L M G R L L S E N T A F G L
G Y P V A T T R G G A L C L D S R K T Y R P V F G D K D E L K L L S Q F A D L A G Y H L
L W G E T V R R G L L A W P E Y R V F P G D S E R A F L E A L A H Q C A Q A L
L A V G D R A L G V M T V Q A M H A R A F Y G E T R E R L I F R T L L A Y G A T A L L
L I K R G D T V Y G F F S I Y A N D R Q N V P A A F T T D H E R E V L A E L L A G E T A I S I
V W R G G A L W G V L V F T S P Q A Q N A F D E Q T T A L L C E Q V A A L L G Y G L
I D K N D E V V G V L M F L I N K K N D G G A F T R S A D D E K L L A E M M C K H I S I F M
I L N S G R L M G L M Q L I N K K N D G G A F T R S A D D E K L L A E M M C K H I S I F M
L T I Q G E Y V G T L C L I G N E P R D F T S E E D A E T L T D L A G Q M V E A E L
L M H H Q E L W G L L V S H H A E P R P Y S Q D V V Q L L A D Q V A I A I
L N M G K Q L W G L L I A Q C D A P R H Y W Q D V E I Q D L Q Q L A D Q V A I A I
L G C D G F M I G T I H I Q S S E E R A F A R E D I E I V L E L L N S I I
L I A R G R I G A I V I G R P A G D R F P R E F A I E F V E E L L G E S R R A A L T A I
L I F K G K L V G I L G E K V S N A Y T K S D L E L L A G T L S N Q A A I A I
I R I D A K V G T L T V E D R E S M Y R D S D R V R L L T M V A N L V G Q T V L
I L N Q G R L G L L Y L E N S R V A T V G A F T R D R V L E L L E L L C A Q Q A A I S L
I H S G N E K L G V M V F F N R Q I Q E P D T N L Q Q M M S A I G S Q I G Q F M
C V I Q G L W V A M L A V N A N T E S P R N W R D S D E V A L L K E V V D S R L W S I A I
L H F G D S M W G A L A V M N T E S Y H W Q D V E I Q D L Q Q L A D Q V A I A I
F I E Q D V V G L I V L D K A D G K P F G V N D L E V L K V L S E Q T V V A I A I
L I Y Q S Q I V S I V Y L E N T A G A S F K P E R D V L E L L K V L S G Q A A I S I
L Q I N T C I A G V V N V G C N N E A G A F K P G V L E L L D V I A L F I G K S I
L P I N T E I D G A L N I Y S T R R Y A F G E D A L L A Q T F A G Y A T V A L
L V R E G R S L G V L Q L D K L D G G D F S A D D E A L I V Q L A Q Y A S S A L
I K V N N S V A G V L V V Q S Y S N N F T E M D I E L M N F V S H Q Y S S G V M
I T I R G T V F G N L Y L T H D R A R V F S E S D E V A A R A L A F A A V A I
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L G D H G L L N V G S P V V D A F D D Q H V Q
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I F S R E R T V A V A Y A A M R E S A N F G D D A V G R L E G I A E Q A A T A L
L Y V D G T M L G T L C I M D T K P R T F N A D D A L A L K D L A E L A E H E L
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I G E F G V L I P A A M R P Q N I S V A D R K I A E T L A S S L E T S I
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UniRef90_R4W9P1	E
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UniRef90_A1ZJ42	E
UniRef90_R7KR3V	E
UniRef90_E4U1Y4	E N
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