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

QUERY	130	140	150	160
UniRef90_UPI000366DF4E	LWP DVEE PFAEE EGFLVA	LSMVNS MA	CVVVPH	GGKKA VFGTNP
UniRef90_UPI00047DF737	LSYFVKQA AEEGKLV	IGMSVHT	DKVVVVF	FGGASE PFFGTNP
UniRef90_U4WIT4	L S Y F V Q Q A A K E K M I	G L G M A V L C Q S	D P M V V P F F G G	S E P Y Y G T N P I
UniRef90_C5FKV4	S A S F V R Q A A V D A N M M S	S F V F T N S S	P A L P V W G G	K E K L M G V S P I
UniRef90_UPI000415D346	L S Y F S E Q A A K E D T I	S M I V T N T Q T	D S A V V P F F G G	A S Y F G T N P I
UniRef90_U4HL85	A G Y Y A L M A A E E G M I	G I S M T N S R P	L V A P T G G I	E R V L G T N P I
UniRef90_U5LG84	G A F Y V S K A I E K D M I	L L V L S N A S	Q T M P P T G G	V R P F L G T N P I
UniRef90_C9A635	L S Y Y V K K A A E A D L I	A L S M C Q S D S	M V V P F F G G	K E N Y F G T N P I
UniRef90_A0A024PDW8	L S Y Y A E Q A A K E D T I	S M V M T H T	D S A V V P F F G G	A E P Y F G T N P I
UniRef90_R9TRV3	I G Y Y A R Q A A L E G M V	A L T V C Q S D P	M V V P F F G G	T E P Y F G T N P I
UniRef90_F4BMH7	L S Y Y V K K A A E Q D L V	I G I S M C Q S	D P M V V A F F G G	T E E N Y Y G T N P I
UniRef90_W9X7X3	S A W L V Q Q A I D A G M M S	L V F T N S S P	A L P V W G G	K E K L M G V S P I
UniRef90_C0SA28	S A S Y V Q Q A A E A D M M S	L V F T N S S P	A L P A W G G	K E K L M G V S P I
UniRef90_W1SEL4	L S Y F V E Q A A D Q D L V	A I S V C Q S D P	M A V P F F G G	A E P Y Y G T N P I
UniRef90_G0J3J9	A G I H A E Q A A L K H D M V	I G I S L T N A S	P L V S P T F S	K E R L L G T N P I
UniRef90_P16142	A G Y Y S D M A M K N D M I	G I T M T N T E P	A V A P L G G	K I P V L G T N P I
UniRef90_B9DKI8	I G Y Y V K M A A E K G D V	A L S V C Q S D P	M V V P F F G G	S K P Y F G T N P I
UniRef90_H1YFV6	S G Y H A L M A V E R D M I	G F A M T N A S	P L V A P T F S	N E R M L G T N P M
UniRef90_B2AEA2	S A W L V Q Q A I D A G M M S	L V F T N S S P	A L P A W G G	K E K L L G V S P I
UniRef90_U6ZL98	L W P D V E P F A E E G L V A	L S V V N S M T	C V V P H G G	K A D R P L F G T N P I
UniRef90_W6WNS0	L W P D V E P F A E E G L V A	L S F V N S M A	C V V P H G G	H K A V F G T N P I
UniRef90_E3GEC4	G G L Y A R M A V E E G M V	G I A M T N V K	P L I V G P G A	K K P V V G N N P I
UniRef90_W7CV13	L A Y F V E Q A A S H D F V	A L S V C Q S D P	M V V P F F G G	A E D Y F G T N P I
UniRef90_UPI00035C2DF8	A G R H V E I L A D A H G L I	G L M F G N T P K A I	L P V W G G S K A	P Y F G T N P I
UniRef90_T0KUQ7	G A Y F V K Q G V E E D M I	T F A M S N A P	S T M A P W G G	V R P Y F G T N P Y
UniRef90_R2Y9M4	L A Y Y V E R A A E N D M V	A V S V C Q S D P	M V V P F F G G	S E P F F G T N P I
UniRef90_B2VYU2	S A W L V Q K A L D A N M M S	I V Y T N S S P	A L P A W G G	K E K L L G V S P I
UniRef90_I4N4H6	L W P D V E P F A R E G L V A	L S V V N S M T	C V V P V Q G G	Q K P L F G T N P I
UniRef90_R0KDP5	S A W L V Q K A L D A D M M S	L V F T N S S P	A L P P W G G	K S K L L G V S P I
UniRef90_UPI000364E689	A G R Y V E C L A D A S G L I	G L M F G N T P K A I	L P V W G G T Q A	L F G T N P I
UniRef90_G0S9Q5	S A W L V R E A L D A G Y I	S L I F T N S S	P A L P P W G G	R V P L L G V S P I
UniRef90_C4JR64	S A S F V Q Q A I D A D M L	S L V F T N S S	P A L P V W G G	K E K L M G V S P I
UniRef90_A1HM14	A A Y H A K I A L K H N M I	G F T A T N G A	A R M A P W G G	K D P F F G T N P F
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UniRef90_E5WGT2	L S Y F V Q N A A E E N L I	G I A M S H T	D K I V V P F F G G	K D A F F L G T N P I
UniRef90_W7YYL9	L S Y F V Q Q A A E E K M I	G I J A M S H T	D K I V V P F F G G	A E F L G T N P I
UniRef90_UPI0002625C4F	L S Y F T E R A A A Q D L V	G F S V C Q S D P	M V V P F F G G	A E A Y Y G T N P I
UniRef90_U6EEEE9	A G Y Y S D M A L M E D I	G I V T A N T E P	A V A P L G G	K E P L L G T N P I
UniRef90_UPI00030EA95F	L G Y F V E Q A A K E G M V	A L S M C Q S D P	M V V P F F G G	T E P Y F G T N P I
UniRef90_G7VWF6	L S Y Y V Q Q A A R E G L I	G I S V C Q S D P	M V V P F F G G	A E P Y Y G T N P I
UniRef90_K8E416	L A Y F V K Q A A E A D M I	A L S V C Q S D P	M V V P F F G G	A E P Y F G T N P I
UniRef90_D0GM00	M A Y Y L N E I A E N D L I	A L S M C Q S D P	M V V P F F G G	R E P Y Y G T N P I
UniRef90_A0A023X3Q6	A A Y W T E K I A R Q G M V	G I C S M N T S	P V M A A H G S	K R P T L G T N P I
UniRef90_E3QN61	S A W V V Q Q A L D A D M M S	L V F T N S S P	A L P V W G G	K S K L L G V S P I
UniRef90_A1WAI4	L W P D V E P L A D D G L V A	L A L V N S M A	C V V P S G G	T T A L F G T N P I
UniRef90_G8TTH0	M S V Y C E E A A R H G Q I	L L A L T N S P	P G I P P W G G	R T A F L G T N P I
UniRef90_E5A7H3	S A W L V Q Q A I D E D M M S	L V F T N S S P	A L P V W G G	K S K L M G V S P I
UniRef90_Q2UP42	A A T Y V I Q A L E K N M I	S L V F T N S S	A K Q M P F F G G	K E T L L G I S P F
UniRef90_UPI00030589D6	A S Y Y C Q M A C D Q G L A	A M V F T N S P	P G I P P W G G	A R A F F G T N P I
UniRef90_UPI000255DCDE	A G Y H A M L A L E H D M I	G I S M T N A S	P L V S P T F S	K S R L L G T N P I
UniRef90_R2XWY8	L S Y Y V K R A A E E N L I	A I S M C Q S D P	M V V P F F G G	S E N Y F G T N P I
UniRef90_UPI000288B68F	L S Y F V Q Q A A S E G L I	G I A L C Q S D P	M C V P Y G G	T E P Y Y G T N P I
UniRef90_UPI00036B2E73	V S Y F C E L A C D H H L A	C L G F T N S P	P G I A P W G G	K E A F F G T N P V
UniRef90_C3MH59	G A L Y A L Q A I E A G Y I	S M I F T N S S	P A I P M W G G	R T T F L G A S P I
UniRef90_E4TU18	A G H H S M M A L E K D M I	G W S M T N A S	P L V S P T F S	K E R L L G T N P I
UniRef90_R3TJZ8	L S Y Y V K K A A E K G Y L	A L A M C Q S D P	M V V P F F G G	K Q T Y F G T N P I
UniRef90_A0A017S4S0	S A W V V Q Q A A E D A G M L	S L V F T N S S	P A L P V W G G	Q T K L M G V S P I
UniRef90_D2QD70	A G Y H A L L A A E Q D M I	G Q A M T H A A	P L V A P T F S	L D K L L G T N P I
UniRef90_W7ZIR1	L A D Y V S Y A A K H D C V	A I A V T N A S	P S M A P W G G	K A A F F G T N P F
UniRef90_UPI00034BCD0D	A G Y H A M Q A L K H D M I	G I S M T N A S	P L V S P T F S	K E R L L G T N P I
UniRef90_C8ZWP9	M A Y Y V K K A A E E E L I	A L A M C Q S D P	M A V P F F G G	T R N Y F G T N P I
UniRef90_UPI000361E064	L W P D V E P F A R Q G L V	A I S F V N S M A	C V V P H G G	H R A L F G T N P I
UniRef90_Q8EMJ6	A S F Y T R M A A E K G F I	G I S M T N A S	P I M V P F F G A	K E P S L G P N P I
UniRef90_R9GZ43	A G Y H A M Q A V S K D M I	G L A M T N A S	P L V A P T F T	T E R L L G T N P M
UniRef90_UPI0003645F84	A G H H A L K A V S E D M I	G M S M T N A S	P L V S P T F S	K E R L L G T N P I
UniRef90_G5JLX7	I G Y F A L Q A A Q G M V	A L T V C Q S D P	M V V P F F G G	T Q P Y F G T N P I
UniRef90_W6TWT0	A G Y H S L M A V E Q E M L	G I S M T N A S	P L V A P T Y A	N E R L L G T N P M
UniRef90_W9XOH1	G G T Y C L R A M E K G F G	A M A F T N S S	R S M P A W G G	S K E P L L G T N P F
UniRef90_UPI000288C46B	L S Y F V Q K A A E D K L I	G M A M T H T	D S I V V P F F G G	R A P F L G T N P I
UniRef90_J2P142	C S Y Y A E R A I A E G R I	L L V L S N A P	E A M A P T G G	I R P F F G T N P I
UniRef90_W0AED0	L W P D V E P F A E E G L V A	L A L V N S M A	V V V P H G G	S R P V Y G T N P M
UniRef90_W7L473	T A Y Y S L M A A K Q D K I	G I V I S N V A	P L M P A I G G A	R E K V I G N N P I
UniRef90_Q5WAN1	L S Y F V Q Q A A H S N V I	G I A M S Q T D K	A V V P F F G G	K A P F F G T N P I
UniRef90_B8FR90	S G Y Y C E L A A E Q G L V	S I V L T D G S	P A T P P W G G	R K A Y F G T N P M
UniRef90_L8G399	S A W L V Q Q A L E A K M M	S L V F T N S S	P A L P A W G G	K E K L M G V S P I
UniRef90_UPI00047DFB1E	L G Y Y T E M A A D Q N L L	A I S F C Q S D P	M A V P T G G	T E P Y Y G T N P I
UniRef90_UPI000425B876	A G Y F V K K A L E E D V I	A F A M S N A P	A N M A P W G G	V T P Y F G T N P Y
UniRef90_UPI0004223038	I G Y F V Q H A A E Q G M V	A L S M C Q S D P	M V V P F F G G	S D P Y F G T N P I
UniRef90_K7J6E2	S G Y Y S L M A I E Q D M I	G F S C T N T S	P L M A P T R S	S S Q S A L G T N P L
UniRef90_H1L0N2	A G Y Y S E I A M K K G M I	G I T I T N T E P	A M A P F F G G	K N K T L L G T N P I
UniRef90_L2G234	G A T Y V L Q A L D A G M I	S L V F T N S S	A K Q M P F F G G	K E T L L G I S P F
UniRef90_UPI000258E2AA	C G Y Y T L M A I K E N L I	G F S C T N T S	P L M A P T R S	K K A A L G T N P L
UniRef90_Q8TYB0	A G Y Y T L V A I E R G F I	G F T T C G T E P	A V A P Y G G	S Q P V L G T N P V I
UniRef90_H3FZN1	A G W Y A Q Y A M E M G M V	G M A F T N T S	P C V F P T R S	S A E K V L G S N P I
UniRef90_F0SBQ9	A G Y Y P M A L K D D I I	G L S M T N T T	K G V A P F N G	A E K M L G T N P L
UniRef90_UPI00035EA783	A G Y H A M E A L K S D M L	G M A M T N A S	P L V A P T H S	I Q R M L G T N P I
UniRef90_S7Z667	S A W L V Q Q A L E A K M M	S L V F T N S S	P A L P A W G G	K E K L M G V S P I
UniRef90_M1Z742	G N Y Y G W K F A E A N L T	G I T M T N S T	P N V A P Y G G	K V P M L G T N P L
UniRef90_UPI0003765DA5	A G Y H A M K A L S K D M I	G M A M T N A S	P L V A P T F S	K E R L L G T N P L
UniRef90_F7NGL2	C M Y Y T L M A A E K D C I	G F L T T N G P	A I A P W G G	M K T I L G T N P W
UniRef90_E5Y2L8	V G L Y A E R I A E A G L I	L I F S N T P A	A M A P W N G	S K A S F G T N P L

QUERY UniRef90_UPI000366DF4E UniRef90_UPI00047D7F37 UniRef90_U4WIT4 UniRef90_C5FKV4 UniRef90_UPI000415D346 UniRef90_F4HL85 UniRef90_U5LG84 UniRef90_C9A635 UniRef90_A0A024PDW8 UniRef90_R9TRV3 UniRef90_F4BMH7 UniRef90_W9X7X3 UniRef90_C0SA28 UniRef90_W1SEL4 UniRef90_G0J3J9 UniRef90_P16142 UniRef90_B9DKI8 UniRef90_H1YFV6 UniRef90_B2AEA2 UniRef90_U6ZL98 UniRef90_W6WNS0 UniRef90_E3GEC4 UniRef90_W7CV13 UniRef90_UPI00035C2DF8 UniRef90_T0KUQ7 UniRef90_R2Y9M4 UniRef90_B2VYU2 UniRef90_I4N4H6 UniRef90_R0KDP5 UniRef90_UPI000364E689 UniRef90_G0S9Q5 UniRef90_C4JR64 UniRef90_A1HMI4 UniRef90_UPI00021A5280 UniRef90_E5WGT2 UniRef90_W7YYL9 UniRef90_UPI0002625C4F UniRef90_U6EEEE9 UniRef90_UPI00030EA95F UniRef90_G7VWF6 UniRef90_K8E416 UniRef90_D0GM00 UniRef90_A0A023X3Q6 UniRef90_E3QN61 UniRef90_A1WAI4 UniRef90_G8TTH0 UniRef90_E5A7H3 UniRef90_Q2UP42 UniRef90_UPI00030589D6 UniRef90_UPI000255DCDE UniRef90_R2XWY8 UniRef90_UPI000288B68F UniRef90_UPI00036B2E73 UniRef90_C3MH59 UniRef90_E4TU18 UniRef90_R3TJZ8 UniRef90_A0A017S4S0 UniRef90_D2QD70 UniRef90_W7ZIR1 UniRef90_UPI00034BCD0D UniRef90_C8ZWP9 UniRef90_UPI000361E064 UniRef90_Q8EMJ6 UniRef90_R9GZ43 UniRef90_UPI0003645F84 UniRef90_G5JLX7 UniRef90_W6TWT0 UniRef90_W9XOH1 UniRef90_UPI000288C46B UniRef90_J2P142 UniRef90_W0AED0 UniRef90_W7L473 UniRef90_Q5WAN1 UniRef90_B8FR90 UniRef90_L8G399 UniRef90_UPI00047DFB1E UniRef90_UPI000425B876 UniRef90_UPI0004223038 UniRef90_K7J6E2 UniRef90_H1L0N2 UniRef90_L2G234 UniRef90_UPI000258E2AA UniRef90_Q8TYB0 UniRef90_H3FZN1 UniRef90_F0SBQ9 UniRef90_UPI00035EA783 UniRef90_S7Z667 UniRef90_M1Z742 UniRef90_UPI0003765DA5 UniRef90_F7NGL2 UniRef90_E5Y2L8

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

QUERY	210	220	230	240
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UniRef90_UPI00047D7F37	GVD	QKE	PTND	PKHE
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UniRef90_C5FKV4	ALD	ANG	HTTD	PAAL
UniRef90_UPI000415D346	AVI	EER	HGH	PTTD
UniRef90_F4HL85	AI	DRE	HGN	PTTD
UniRef90_U5LG84	AVD	AKH	GNPT	TNA
UniRef90_C9A635	AVD	AKH	GNPT	TNA
UniRef90_A0A024PDW8	GVD	DEK	GNPT	TND
UniRef90_R9TRV3	AVD	KNG	GA	PTTD
UniRef90_F4BMH7	AVD	KDG	GK	PTTD
UniRef90_W9X7X3	ALD	KDG	GK	PTTD
UniRef90_C0SA28	ALD	ENG	GS	PTTD
UniRef90_W1SEL4	AVD	DSG	EAG	STTD
UniRef90_G0J3J9	IQD	QK	DG	STTD
UniRef90_P16142	AVD	KNG	GN	PTTD
UniRef90_B9DKI8	AVD	DKG	GN	PTTD
UniRef90_H1YFV6	IQD	QD	GN	PTTD
UniRef90_B2AEA2	ALD	AE	GR	PTTD
UniRef90_U6ZL98	GVD	DS	LGG	PTTD
UniRef90_W6WNS0	GVD	DR	RD	GNPT
UniRef90_E3GEC4	ATD	KE	GK	PTTD
UniRef90_W7CV13	AVD	AD	GA	PTTD
UniRef90_UPI00035C2DF8	AI	DSE	GK	PTTD
UniRef90_T0KUQ7	AI	DN	KG	PTTD
UniRef90_R2Y9M4	AVD	DE	QGN	PTTD
UniRef90_B2VYU2	ALD	KE	GK	PTTD
UniRef90_I4N4H6	GVD	RR	HGG	PTTD
UniRef90_R0KDP5	ALD	KDG	GQ	ATTD
UniRef90_UPI000364E689	AI	DK	QGN	PTTD
UniRef90_G0S9Q5	GLD	SK	GR	ETTD
UniRef90_C4JR64	ALD	NE	HGS	PTTD
UniRef90_A1HM14	ALD	KF	GE	ETTD
UniRef90_UPI00021A5280	AVD	SD	GK	ETTD
UniRef90_E5WGT2	GVD	DE	NGE	STTD
UniRef90_W7YYL9	GLM	AA	GG	STTD
UniRef90_UPI0002625C4F	AVD	KN	GE	ATTD
UniRef90_U6EEEE9	ALD	DS	SD	GNPT
UniRef90_UPI00030EA95F	AVN	AA	GG	PTTD
UniRef90_G7VWF6	AVD	ER	GV	RTTD
UniRef90_K8E416	AVD	DG	SG	NTTD
UniRef90_D0GM00	AVD	DR	KG	PTTD
UniRef90_A0A023X3Q6	AI	TQ	EG	PTTD
UniRef90_E3QN61	ALD	DA	EG	PTTD
UniRef90_A1WAI4	GVD	DR	HGG	PTTD
UniRef90_G8TTH0	AI	DE	DGY	PTTD
UniRef90_E5A7H3	ALD	DA	EG	HTTD
UniRef90_Q2UP42	ALD	AD	GN	PTTD
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UniRef90_UPI000255DCDE	AQD	KD	GN	AS
UniRef90_R2XWY8	AVD	AD	GN	PTTD
UniRef90_UPI000288B68F	AVD	KD	GN	PTTD
UniRef90_UPI00036B2E73	AMD	ED	GN	PTTD
UniRef90_C3MH59	ALD	VD	GN	PTTD
UniRef90_E4TU18	VQD	KD	GK	PTTD
UniRef90_R3TJZ8	AVD	DA	EG	PTTD
UniRef90_A0A017S4S0	ALD	AE	GK	PTTD
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UniRef90_W7ZIR1	AVS	KD	AT	PTTD
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UniRef90_C8ZWP9	AVD	ET	GQ	PTTD
UniRef90_UPI000361E064	GVD	LA	KG	PTTD
UniRef90_Q8EMJ6	AIT	KD	GK	PTTD
UniRef90_R9GZ43	VQT	KT	GL	PTTD
UniRef90_UPI0003645F84	IQD	KE	GK	PTTD
UniRef90_G5JLX7	AVD	HT	GE	PTTD
UniRef90_W6TWT0	VQD	AS	GN	PTTD
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UniRef90_J2P142	AI	D	PNG	ETTD
UniRef90_W0AED0	GVD	AD	AG	PTTD
UniRef90_W7L473	GVD	DA	KG	PTTD
UniRef90_Q5WAN1	GVD	KE	GK	PTTD
UniRef90_B8FR90	ALD	DR	EG	PTTD
UniRef90_L8G399	ALD	RE	GR	PTTD
UniRef90_UPI00047DFB1E	AVD	EK	GN	PTTD
UniRef90_UPI000425B876	AI	DK	GR	ATTD
UniRef90_UPI0004223038	AVD	KD	GN	PTTD
UniRef90_K7J6E2	AMD	T	DGK	PTTD
UniRef90_H1LON2	AVD	KD	GN	PTTD
UniRef90_L2G234	AYD	KD	GK	PTTD
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UniRef90_H3FZN1	GAT	P	DGE	PTTD
UniRef90_F0SBQ9	IQD	K	NGY	PTTD
UniRef90_UPI00035EA783	VQT	AD	GG	PTTD
UniRef90_S7Z667	ALD	GD	GN	PTTD
UniRef90_M1Z742	ALD	KD	GK	PTTD
UniRef90_UPI0003765DA5	VQD	KD	GK	PTTD
UniRef90_F7NGL2	ALD	NA	EG	PTTD
UniRef90_E5Y2L8	ALD	DA	AG	ATTD

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A G L T G G N F S F E F D W S K H P G A Q T P W T G Q L L I V I D P D K G A G Q
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UniRef90_UPI00041174E4 G[L]L[L]G[L]P[F]G[K]H[V]S[R]M[Y]H[D]L[S]E[G]R[N]L[G]Q[L]H[I]V[I]N[P]D[F]F[A]G[G]
UniRef90_T0HTW2 G[P]L[L]G[D]M[T]S[A]E[S]M[A]A[D]K[D]R[G]G[S]P[L]G[G]E[F]I[A]I[D]P[A]G[F]L[G]P
UniRef90_D3E0A6 G[P]L[V]N[A]A[F]G[T]K[V]T[G]T[A]G[D]Y[K]E[N]C[N]K[G]D[L]F[V]A[I]D[P]S[K]F[V]P[E]
UniRef90_UPI000374EB26 A[V]L[G]G[A]S[Y]G[P]W[T]P[P]P[A]E[N]M[P]G[A]G[L]G[H]F[F]G[A]M[R]V[D]A[F]R[P]E[E]
UniRef90_A6C5R1 A[L]L[G]G[A]P[L]G[P]D[L]P[K]M[Y]G[D]L[T]Q[R]R[L]L[G]G[M]V[G]A[I]D[P]A[V]F[T]E[E]
UniRef90_D7A0Y0 G[P]L[L]G[D]L[T]S[R]Q[S]K[A]V[E]N[G]D[G]G[P]R[L]G[G]E[L]F[I]A[I]D[D]P[A]V[F]G[T]E
UniRef90_W4WST2 G[T]L[S]A[S]H[F]G[L]N[T]R[N]W[K]S[G]D[T]A[A]N[L]G[H]C[F]I[V]I[N]P[N]A[F]D[C]
UniRef90_F4GWR9 G[V]L[T]G[A]G[Y]G[P]G[V]K[N]M[Y]E[N]W[M]E[P]Q[N]V[G]H[F]F[I]V[D]V[S]K[F]M[P]N
UniRef90_W5JGY0 G[V]L[A]G[A]N[Y]A[T]K[I]R[K]W[T]H[A]G[A]D[E]A[D]L[G]Q[C]F[V]A[I]N[P]A[C]F[A]P[G]
UniRef90_S6IGB8 G[A]L[L]G[D]L[T]S[A]E[S]M[A]F[D]E[G]V[G]A[A]P[C]H[G]E[L]L[L]A[F]D[P]K[V]F[L]G[A]
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UniRef90_Q2NI72 G[P]L[V]S[A]A[C]G[D]K[V]E[G]T[A]P[D]V[M]C[T]K[G]D[L]L[V]I[D]P[E]H[F]A[G]M
UniRef90_UPI00036C36E2 G[A]L[V]G[E]T[F]S[Y]E[T]A[T]K[D]N[K]D[G]G[P]P[R]G[G]E[F]I[L]A[I]S[P]E[K]I[A]G[P]
UniRef90_UPI00047996DC A[M]F[S]G[A]A[S]G[P]E[L]G[D]L[Y]D[D]L[D]R[P]Q[V]G[G]A[F]F[T]L[H]D[G]A[F]Q[P]N
UniRef90_A6X303 G[V]M[L]G[D]F[T]S[P]E[A]L[D]F[L]G[T]T[L]A[P]R[H]G[E]L[I]A[F]D[P]A[R]M[A]G[G]
UniRef90_U2VCA9 G[I]L[L]G[V]P[S]G[K]N[V]S[S]M[Y]H[D]L[S]E[G]R[N]L[G]H[L]H[L]V[I]D[P]S[R]F[C]G[D]
UniRef90_I3U731 G[V]L[T]G[S]R[L]S[E]I[P]A[W]F[V]D[T]Q[R]D[L]G[N]G[H]L[H]M[A]I[D]D[S]K[F]P[D]
UniRef90_D9R7W3 A[A]L[Q]Q[G]N[F]L[R]A[L]T[G]L[G]E[K]G[K]V[P]F[H]G[H]F[F]I[A]I[N]D[T]E[A]F[M]D
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UniRef90_B5I9V7 G[T]L[N]G[A]T[W]S[K]H[V]G[G]T[S]D[K]H[S]D[V]G[H]F[F]M[A]I[D]D[P]G[A]F[G]D[M]
UniRef90_W8QTU0 G[P]L[L]G[D]M[T]S[K]E[S]L[S]F[D]A[G]T[K]S[A]P[Y]G[G]E[L]I[A]I[D]P[K]R[M]L[G]D
UniRef90_E3TDM0 G[I]L[A]G[S]H[Y]S[K]Y[I]R[A]W[R]M[T]N[C]R[A]N[L]G[R]C[F]V[A]L[N]P[E]F[F]A[D]G
UniRef90_K1WNY4 G[V]L[S]G[S]A[F]A[G]G[V]T[G]P[Y]D[E]S[G]K[E]A[D]V[G]H[F]L[V]A[I]K[P]D[L]F[M]D[E]
UniRef90_T1FTF8 G[L]L[S]G[G]E[F]G[P]R[I]R[K]W[K]E[T]N[R]V[A]N[L]G[Q]C[Y]I[A]I[N]D[D]N[F]A[P]G
UniRef90_F5YDC4 A[A]L[Q]G[G]S[F]L[K]T[L]G[N]A[D]G[S]H[R]P[Y]H[G]W[F]I[A]I[K]E[A]F[T]P[G]
UniRef90_UPI0004105B07 A[S]L[S]G[G]R[N]V[A]E[V]T[K]S[G]N[E]A[G]V[S]Q[F]F[L]C[L]D[A]E[N]V[E]E
UniRef90_W4LR88 G[A]L[L]G[D]V[F]S[F]E[A]S[A]M[D]N[R]D[G]G[P]A[L]G[G]E[L]M[I]A[I]D[P]A[R]C[I]A[Q]
UniRef90_X2GYX3 G[T]L[L]G[V]P[F]G[K]N[V]S[S]M[A]A[D]L[G]S[K]G[R]D[L]G[H]L[H]V[I]N[P]D[Y]F[L]G[E]
UniRef90_UPI000360F10A G[V]L[N]T[S]A[F]G[S]S[V]I[D]F[N]K[D]F[H]T[P]T[N]S[G]Q[T]F[I]A[M]R[V]D[L]F[R]E[E]
UniRef90_R6SMM1 G[V]L[L]G[V]P[F]G[K]H[V]S[S]M[Y]H[D]C[S]K[G]R[E]L[G]Q[T]I[V]I[D]P[E]R[F]C[G]
UniRef90_UPI00046835ED G[P]L[L]G[D]L[T]S[A]E[S]L[A]Y[D]A[G]S[K]S[P]Y[H]G[E]L[I]V[I]D[P]R[R]F[L]G[D]
UniRef90_Q1LD22 G[P]L[L]G[D]M[T]S[A]E[S]M[A]F[D]A[S]A[G]A[T]P[C]H[G]E[L]L[L]A[F]D[P]T[V]F[L]G[D]
UniRef90_D7C5E6 G[V]L[T]G[S]A[F]G[S]V[V]G[P]Y[R]P[T]G[R]S[G]V[G]H[L]L[I]C[L]D[P]R[A]M[A]P[A]
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UniRef90_UPI0004677D21 G[P]L[L]G[D]L[T]S[A]E[S]T[V]F[D]E[G]T[K]S[S]P[Y]H[G]E[L]L[L]A[I]D[P]A[R]F[L]G[A]
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UniRef90_UPI0003740784 G[L]L[T]G[A]A[F]G[P]N[V]K[N]L[Y]D[E]E[S]G[K]A[N]V[G]H[F]F[I]L[M]D[P]E[K]F[M]N
UniRef90_UPI00037E3449 G[P]L[L]G[D]L[L]G[H]E[T]Q[A]A[T]P[D]G[E]G[K]P[F]H[G]E[L]I[A]F[S]L[E]A[F]L[G]E
UniRef90_D0IWA2 G[P]L[L]G[D]M[T]S[A]E[S]L[R]I[D]D[G]A[G]A[T]P[C]H[G]E[L]V[I]A[F]D[P]Q[F]F[S]P[G]
UniRef90_R6V5Y9 S[I]L[S]Q[G]V[T]S[D]K[C]C[T]F[K]D[K]T[G]I[C]H[G]F[I]A[V]N[P]A[F]G[S]P[E]
UniRef90_A8XF97 G[I]M[G]G[S]A[F]G[K]N[T]R[Q]W[K]Q[T]T[S]K[T]A[D]L[G]Q[C]F[L]A[I]D[P]E[C]F[A]P[G]
UniRef90_Q2LTF1 G[V]L[S]G[G]A[Y]A[D]L[V]D[K]G[P]G[G]A[G]G[Q]P[A]L[V]A[H]F[F]M[A]I[N]D[E]N[F]V[E]M
UniRef90_W8TJ07 S[I]L[S]M[G]T[S]N[H]I[M]G[E]E[K]G[S]G[I]C[H]F[L]A[A]I[D]P[K]I[F]G[D]P
UniRef90_UPI00047BC9F2 G[V]L[T]G[A]L[F]G[S]G[V]P[R]M[Y]E[D]P[E]P[Q]Y[L]G[H]L[F]G[A]L[D]V[K]A[F]M[E]E
UniRef90_S7VHG3 A[V]L[S]G[A]N[W]G[P]F[A]T[P]F[A]I[N]S[S]M[P]K[G]I[G]H[F]F[T]A[W]D[I]E[G]F[R]D[T]
UniRef90_R5F650 G[L]I[T]G[G]V[F]S[K]D[M]K[S]M[A]N[K]D[P]S[L]T[G]H[F]F[I]A[M]D[L]E[S]K[I]S[E]
UniRef90_A8WSP8 G[L]L[A]G[A]H[W]G[P]H[V]R[K]W[M]S[T]N[A]E[A]D[L]G[Q]C[F]V[A]I[D]P[D]A[F]A[P]G
UniRef90_U4Q3J3 A[A]I[T]G[G]N[F]A[F]E[A]S[L]L[D]D[K]G[A]P[P]S[V]G[H]T[I]A[I]D[P]V[S]S[G]S
UniRef90_J0N5Q5 G[V]L[S]G[G]K[F]G[P]H[L]H[D]L[Y]G[M]Q[N]P[Q]E[V]G[H]F[I]G[A]I[D]T[H]F[V]E[D]
UniRef90_X5A4K6 G[L]L[T]G[A]S[F]G[P]H[I]G[N]L[Y]K[E]G[D]K[A]D[V]G[H]V[I]L[L]F[S]P[A]R[W]L[D]M
UniRef90_UPI00047DDFC3 S[A]L[T]G[G]K[F]A[E]V[F]F[T]G[Y]P[G]A[N]A[P]K[T]G[Q]L[I]F[I]D[P]V[R]G[G]N
UniRef90_W2TK05 G[I]M[A]G[S]S[F]G[K]S[I]R[K]W[K]Q[T]T[D]E[N]A[N]L[G]Q[C]F[V]A[I]D[P]E[C]F[A]P[G]
UniRef90_W6N6J3 A[I]L[S]G[G]L[T]G[N]Y[V]H[L]D[G]K[D]G[S]G[T]C[H]Y[F]C[A]V[D]Y[G]M[F]G[D]N
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UniRef90_K2J0D1 G[A]L[L]G[S]N[F]G[Y]E[G]T[S]F[E]A[E]G[A]P[S]V[G]H[M]I[L]L[F]D[P]A[R]F[G]G
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UniRef90_UPI00036B7DC9 G[A]M[C]E[A]G[S]R[S]S[P]P[A]G[A]N[A]F[F]I[V]I[D]P[E]K[F]A[P]A
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UniRef90_G2S3T0 G[P]L[L]G[D]M[T]S[A]E[S]L[A]W[D]N[G]A[G]G[L]P[Y]G[G]E[L]L[L]A[L]D[P]T[R]F[L]G[D]

	290	300	310	320
UniRef90_J3NPK0	E F K S R M K Y L Y K R M A G V D R I Y F P G E G E Q L T M E Y R L E T G I P Y			
UniRef90_B2GFB0	A F K H R R L V G S E M V A N E L H A I K P V R L P G G E D F E R E H M T E R C A M E D G G I G I E V			
UniRef90_G4V698	F F E Q R R L S D D E W Y V N T M R N R N T K P V A L I P G G D F E R E A E A L T R D S E Q E G G I P P Y			
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UniRef90_UPI0002626490	E F K K R M D T M A K E M K G F D R V Y L P G G D P E D E R E K E R R M S E K E G G I P P L I			
UniRef90_UPI0004721D56	D F K A D M D K W I G A F R G A R P V L I P G G D P F R E T E K E R A V E G G I P P L I			
UniRef90_F6D2Y0	K F K E D V D D F V E E I K A P G N V F I P G G D M E V R N V E N H K K A G G I L G L I			
UniRef90_U2KLS1	V F K K I L A G S I M R E L R G A E R I Y T A G N E P Q V A Y K R K E H G C P P V I			
UniRef90_F9TNH2	S F A G M A A M V K E L H G V P V L A P N S P Q V R Y K E K C E Q R E K E G G I P P V I			
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UniRef90_UPI00023GMG3	F E D R M Q D L M N M A R S Q E P V Q V P G G D P R E R R H A M A K C D A E G			
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UniRef90_T0HTW2	E H L R R A E A M F D M I E G S G G A R L P S R R R L L A R A R S S D K E G G I L R I D I			
UniRef90_D3E0A6	Q F K A D V E E F V T E I R E S G G D T F I P G G D L E V K R L A E N E V K G L I P P V I			
UniRef90_UPI000374EB26	E F E E H M D N W I K R F R S A K P V L I P G G D V E R E M E T I R S K D G G I P L I			
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U N I R E F 9 0 _ F 3 I G I 8
U N I R E F 9 0 _ F 2 L K T 4
U N I R E F 9 0 _ U P I 0 0 0 2 D 6 8 3 0 0
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U N I R E F 9 0 _ C 5 E L T 4
U N I R E F 9 0 _ U P I 0 0 0 4 2 7 F 0 0 2
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U N I R E F 9 0 _ A 8 L S T 0
U N I R E F 9 0 _ Q 4 6 V E 5
U N I R E F 9 0 _ E 8 X Q 5 6
U N I R E F 9 0 _ H 3 N S B 4
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UniRef90_C0D4T9	G	V	Y	S
UniRef90_R6BIX0	G	I	E	S
UniRef90_R5IGK3	G	V	Y	S
UniRef90_F1L5D6	G	H	Y	S
UniRef90_D3TMM0	G	H	F	S
UniRef90_L8MFY2	G	C	H	S
UniRef90_B6R138	D	C	H	S
UniRef90_R6HIX8	G	V	T	S
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UniRef90_R5FRC5	G	L	E	S
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UniRef90_F4BS72	G	L	E	S
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UniRef90_U6ZTP7	E	C	H	S
UniRef90_Q1YDL3	G	H	G	S
UniRef90_F0S6X7	G	V	Y	S
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UniRef90_V4QVD8	G	V	H	T
UniRef90_M2Q4J9	G	I	E	S
UniRef90_T0U548	U	L	I	Q
UniRef90_N6VWV1	E	C	H	S
UniRef90_R9MFE9	G	L	E	S
UniRef90_Q9I492	E	C	A	S
UniRef90_C3ZIE6	G	H	F	S
UniRef90_A9HZY4	G	L	S	T
UniRef90_M8B3R5	A	C	K	S
UniRef90_V5G2B0	G	V	D	T
UniRef90_UPI00037FFBDB	G	C	A	S
UniRef90_H9UMY7	G	L	D	S
UniRef90_A7RTU3	G	H	F	S
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UniRef90_G2DA62	G	R	P	N
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D D L V W K G V K A L
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A D E L
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D G R Y G F G Q T I G E Q T V D L G V A K A K K H G V A L T A L K H S G H L G R S
D A G F G F S P A F A H A L P V A L D A A R R S G V A S L S V A H A H T C T S
D G K T H A M I V M D L A T E T A L E K A K K S G V G I V G N Y G S A E T G A
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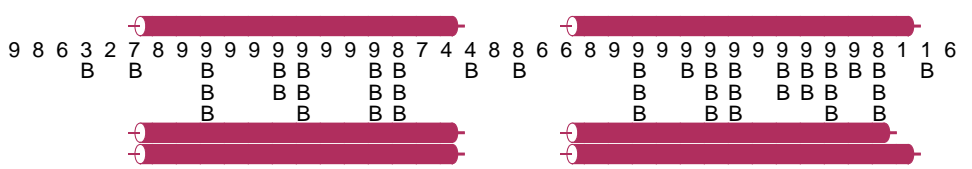
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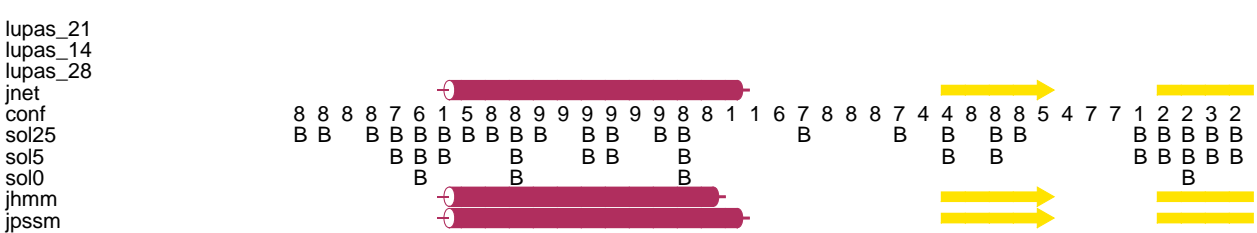
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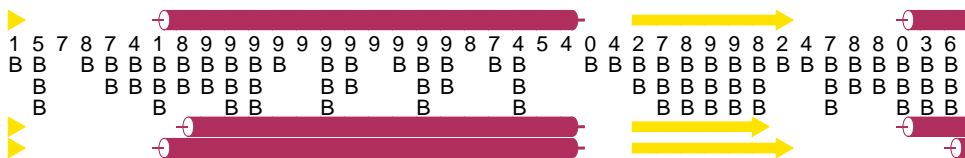
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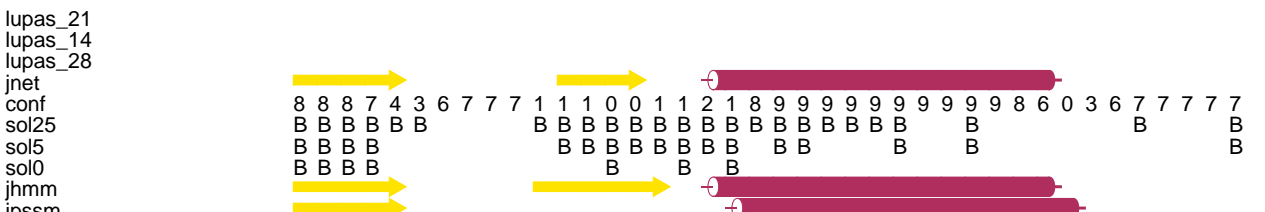
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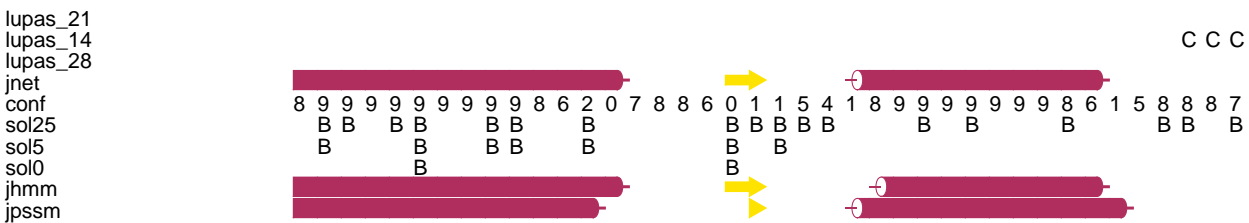
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