

QUERY	1	10	20	30	40
UniRef90_UPI00036168D2	MT	Y G V I V S H S P E L A S G L K K L R E V A K N G S I T A I G G L E N D N			
UniRef90_K9RMZ2		V G L V F V S H S A K K L A S E G G V K K E L A E Q M T Q Q N G G M I A V A G G L E D D N			
UniRef90_A6EMJ6		V S I V I V S H S K K L A L E G V G K E L A E Q M S Q Q N V V K I A A A A G G L E D D D			
UniRef90_Q1WRP6	MS	L G I T I V S H S V Y E L V A E N G V P R L L T Q V A K D V K P I T T A T A G G G T E D D N			
UniRef90_B1QXH0		V G I V L V S H S S K L A E A E N G V K E L A I Q Q M T P S L S K I S I E T Y A G G G T C E D D G			
UniRef90_UPI0002491A49	MK	Y G I V I V S H S P K I A E E G V K D L I S Q Q A A P S L S I S T T Y A G G G T D D D G			
UniRef90_UPI00024913B0	MT	L G I T I V S H S V P E I A E E G L P K L L K Q V A A D V S L S T T F A G G G T D D D G			
UniRef90_A0A023CYM3		K V G I T L V S H S V P E I A N G G L P K L L V Q Q V A P D V S I S S S A G G G T D D D G			
UniRef90_H6P8V7		K T G I V I V S H S K D I A A N G G I V E L I S Q Q V A T D V S I S T T F S A G G G T E D D G			
UniRef90_G2SM23	MK	Y G I T I V S H S V E E I A Y G L P K L L K Q Q V A Q E V P I T T F A G G G T S D D G			
UniRef90_E0UJ41		V G I V I V S H S K A L A R A K L V E L A Q Q M V K P V P I A I A A G G I N D D P			
UniRef90_T0T835		K V G I V I A S H S K D I A A K G T A E F I S Q V A S N V P I A T F A G G T D D D			
UniRef90_B7KEF8		V G I V I V S H S K A L A Q A I V E L S Q Q M V Q T I V P I A I A A G G I D D D P			
UniRef90_UPI0004142E38		G I L L V S H S K N L A Q Q G T F I D L V I S E V A K D I V D I S I T T Y C A G G L E D D G			
UniRef90_UPI00037465DC		K I G L V L V S H S A K P L A Q G G T F E L L I R E V A K D I V D I S I T T Y S G G T E T D G			
UniRef90_F5ZH17		G I I I V S H S K N L A Q Q G T V D L L E Q V A K D V S I T T Y V I G G N E D G G			
UniRef90_E3FYG1	R	V G I L V I V S H S R Q L A E E G V A E L A R E M G G G V S R I A T A G G G T D D G P			
UniRef90_K8MV03	S	I G I L I V S H S K K I A E E G V V D L I S E V A K D I V S I T T Y A G G G T E D G			
UniRef90_G5KIC0		I G I I V S H S K K I A D G G I A N L V N E V A K D I S I T T Y V I G G T P D D G			
UniRef90_V6Z098		G I V I V S H S K N I A A G G L V D L I S Q Q V A K D V A I T T Y V I G G T E D D N			
UniRef90_UPI0003456117		V G I V I V S H S A K L A A G V K E L A Q Q M I P I D V P L A I A A G G I D D D N			
UniRef90_U2PUC6		V G I V I T S H S K N I A E E G V K E L A Q Q M A P E V P I A A S G G T S D D G			
UniRef90_R7RN23		V S L V I V S H S E K I A K G I K E L A L Q Q M A S P S V K I E T A A G G T G D D G			
UniRef90_G2S0C6		V S I V I V S H S K K I A E E G V V E L L A K Q M A S Q V V Q I T S C A G G T K D D N			
UniRef90_D4TU47		V G I V I V S H S K Q L A L G V V Q E L A A Q M V K G I S I A V A A G G V D D N			
UniRef90_UPI000402F156		G I L I V S H S E K I A K G G V E M A A Q M A P N I P I T T Y A A G G T S D D N			
UniRef90_D0DYC1	MK	Y G I L I V S H S V P E I A K G L P K L L E V A P D I S I T T Y A G G T S E D N			
UniRef90_T1Z3G9		V G I V V V S H S K W I A Q G V V D L I S E V A K D V V L S I T T Y V I G G T E D D G			
UniRef90_A3CK12		G I L V V S H S K N L A E Q G L F D L I S Q V A A D V A I S I T T Y V I G G L E D D G			
UniRef90_UPI00034DA469		V G I L V S H S N L L A E E G L Y R L V K E V A K D V S I T T Y V I G G L E D D G			
UniRef90_UPI0002193F48	MS	Y G I L I V S H S V E Q I A Q G G V P K L L Q Q V A P D I A I T T F A G G G T D D H			
UniRef90_E6LEU7		I G I V I V S H S K N I A Q G G V V D L V R E V A K D V E I T T Y V I G G T E D D G			
UniRef90_I7KIW5	S	L G I V L V T H V A E V S E G G V K L L R E V A K D V D I T T V G A G L D D G G			
UniRef90_X1F3V1		V G I V I V A S H S A K L A E E G I K E L A E Q M S Q G V D L I A A A G G L D D N			
UniRef90_F4A898		V G I V L V S H S S N I V E E L K E L S A E M A P R T P I V T A G G T R D D G			
UniRef90_B1BX6	S	I G L V I V S H S K H I A Q G V V E L I S E V A K D V P I T T Y V I G G T E D D G			
UniRef90_UPI00040ED589	R	V G I V F I S H S E K I A M G L K E L V T Q V T K D V P I E A A G G T E D D G			
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UniRef90_F5X0W2		I G I V I V S H S K N I A Q G G V V D L I S E V S S D I S I T T Y V I G G T E K D G			
UniRef90_D0K2M7		I I L V S H S K E I A S G G T K S L L K Q M A G D V D I T P I G G L P D D G			
UniRef90_B8DR45		V G I V V V T H A V L A Q G G V K E L V E Q M T Q G V S I T A V A G G I D D P			
UniRef90_G9QI22		Y G I V I V S H I E E L A E E G V V R L L K E A A R D V S I T T Y C A G G T D D G			
UniRef90_G5JVW0		I G I V I V S H S K N L A Q G G L Y D L L E E V A K D V S I V T T Y I G G T K D D G			
UniRef90_D6MI69		V G I V I V S H S E K I A E E G V K A L A L Q M A E E V P M A A A G G T S D D G			
UniRef90_D6Y070		Y G V L L V S H S A K L A E E G V M E L L K G S A P D V P I T W T A G G N D D G			
UniRef90_A0Q3F1		V G I V L V S H S S N I V N G L K E L A L Q M A P T V P I A L A G G T N D D G			
UniRef90_E4SY73	MT	Y G I L I V S H V P E I A A G L P K L L K Q V A A D V S I T T F A G G T D D D N			
UniRef90_C6VJB3	MS	L G I V V V S H V P E I A A G G I Q R L L G Q V A Q D V S I T T F A G G T D D D			
UniRef90_Q9K7G6	R	F G I V I S S H V P A L A E E G I V T L L K E A A K D V S I T T Y A G G T D D D			
UniRef90_L5LAA7		V G I V I V S H S N K V A N G V V E L A K Q M A N E V S I T T P A A G G T K D D N			
UniRef90_F7Z611		V G I V I V S H I P E I A A G L A T L L K E A A K D V S I T T Y A G G T D D D N			
UniRef90_J1F3A6	K	I G I V I V S H V P E I A M G L P K L L E Q V A A D V S I T T S A G G T D D D N			
UniRef90_UPI0004009A77		V G I V L I S H S S K I A E E G A K E L I R Q V V K D V P I E T A G G T E D D L			
UniRef90_R2QNA9	MS	N G V I V S H V K E I G E G V D R L I K E V A K D V V P I T T V A A G L D D Q G			
UniRef90_H6LKL7		V G I V V V S H S Q K I A E E G A V E L S K Q M A P D V V K I A A A G G M E D D G			
UniRef90_R2SZ44	MT	K G I L L V S H T T E I P E E L K R L T S E T A P G D V S I T T A G G G L E D D G			
UniRef90_UPI0003091F6D		I G I L I S S H V F K L A E E G V Y R L L Q E T A P D L S I T T Y A G G T D D D G			
UniRef90_UPI0003B43F4C	K	L G I V I V S H V N H L A E E G L E T L V K A V A K D V P I T T V A G G L E D D G			
UniRef90_UPI0002DDE3AA		V G I V I V S H S K Q L A L G V V R E I A A Q M V Q G V P L I E A A G G V D D N			
UniRef90_V8FQU6		V G I V V V S H S D L V A R G V K D I A G Q M A P E V K I E A A G G T E D N			
UniRef90_UPI00030F1F7B	N	V G I V L I S H S S K V A A G I K E I I Q Q V V H N V P L E I A G G T D D D			
UniRef90_A0A023VLE6		G I I I V S H A K H L A Q G G L V D L I S E V A K D V S I T T Y V I G S L E D D G			
UniRef90_L5NET7	N	V G I V L V S H S D K V T E G I K E L L D Q V V G S V P V T T Y A G G S E D G			
UniRef90_A0AGU1		Y G I V I V S H V P E I T S G I K R L L E Q V A S N V C Y T I A G G I E D N			
UniRef90_I2BC44		V N L V I V S H S A Q L G G V V G E L A R Q M G D G C R L A I A A G G I D D N			
UniRef90_K8E7V3	K	L G V V V S H V P A L A E E G V V T L M K E V A K D V S I T T F A G G T A D D N			
UniRef90_L0RFB9		V G L V I V S H S Q T L A Q G V L E L A E Q M T R G V V M E A A G G I D D N			
UniRef90_UPI00029A3219	MK	Y G I L I V S H V P E I A A G V L P R L I T Q Q V A K D V A I T T S A G G T D E N			
UniRef90_UPI000407CCF6		V G I V L V S H S P K L V E G L L D I I R Q V I H D V P I E I A A G G T N E M			
UniRef90_K6QSE4	MS	Y G I I I A S H V E D I A R G V A N L A Q Q A A K D V P I T T F A G G T D D G			
UniRef90_A5UU57		V N I V L V S H S S L L A A G I V D M M R M V M Q V P I A V A A G A D D S			
UniRef90_UPI0004734E27	MA	V S L V L V S H S H E L V H G L K K L E Q V Q P D V A I A V A A G G T D D N			
UniRef90_G6FYZ9		I G I V I V S H S R R L A E E G V R E L A L Q M V K D V P I A I A A G I D D N			
UniRef90_UPI00028878E5	K	Y G V L V S H S S K I V D G L S L L L N E V A R D V P I T T A G G T D D D			
UniRef90_W7D304		Y G I T I I S H S A E V A H G I S Q I L L E I A R D V P I T H A A G G T D D G			
UniRef90_G8PLH1		V G I V V V S H S A K L A E E G V A E L A Q Q M T Q N C A L A V A G G I D D N			
UniRef90_W9AKG2		V G I V L I S H S S K I A E E G K D L R Q V A M T D V S I E T Y A G G T D D D G			
UniRef90_F1T4X3	S	V G I V I V S H V P E I A L G V K K L V D Q V A H D V S I T T Y C A G G T A D D G			
UniRef90_E4L415		G I V I V S H S K G I A S G I R D L L A E V A K D V S I T T S V I G G T H E D D G			
UniRef90_W4F2A2	N	I G I V M V S H S K D I V K G L Y D L I H Q V A P N D I S I T T F V G G T V D D G			
UniRef90_F8LQV7		G I V I V S H S A D I A K G L V S L I R E V A P N D I P L T A T A G G L E D D G			
UniRef90_D7UV96		Y G V I I S H S A D V A K G I A E I L A Q V A Q D V P I T T Y S G G T D D D G			
UniRef90_W4VFM4	K	V G M V I I S H S V K I A N G V T D L L G Q V T D V P I E V A A G G T D D D			
UniRef90_A0A037ZAG6		V G M V I V S H S V K I A E E G V K E L A L Q M A S E V P I A I A A G G T K D D			
UniRef90_UPI0004710E42		I G I I I V S H S E L I A Q G G I E Q L I K E V A P N V A I S A V I G G T E D D G			
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UniRef90_G6CES1		Y G V V I V S H V P E I A A G V A R L I K E V A A D V S I T T A G G T D D G			
UniRef90_A5N620		V G V V I V S H S S E I A R G V K R L V E Q I S P E S N V A S A G G T K D D G			
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UniRef90_C5QQ21		I V I V S H S A D I A K G T K D L E Q Q M V N V D I T A H A G G T E D D G			
UniRef90_A0A024PQZ5		V G I V L I S H S P K V V E G T K E I I R Q V N Q D V A I E L A A G G T D D N			

QUERY UniRef90_UPI00036168D2 UniRef90_K9RMZ2 UniRef90_A6EMJ6 UniRef90_Q1WRP6 UniRef90_B1QXH0 UniRef90_UPI0002491A49 UniRef90_UPI00024913B0 UniRef90_A0A023CYM3 UniRef90_H6P8V7 UniRef90_G2SM23 UniRef90_E0UJ41 UniRef90_T0T835 UniRef90_B7KEF8 UniRef90_UPI0004142E38 UniRef90_UPI00037465DC UniRef90_F5ZH17 UniRef90_E3FYG1 UniRef90_K8MV03 UniRef90_G5KIC0 UniRef90_V6Z098 UniRef90_UPI0003456117 UniRef90_U2PUC6 UniRef90_R7RN23 UniRef90_G2S0C6 UniRef90_D4TU47 UniRef90_UPI000402F156 UniRef90_D0DYC1 UniRef90_T1Z3G9 UniRef90_A3CK12 UniRef90_UPI00034DA469 UniRef90_UPI0002193F48 UniRef90_E6LEU7 UniRef90_I7KIW5 UniRef90_X1F3V1 UniRef90_F4A898 UniRef90_B1BX6 UniRef90_UPI00040ED589 UniRef90_B2THX0 UniRef90_F5X0W2 UniRef90_D0K2M7 UniRef90_B8DR45 UniRef90_G9QI22 UniRef90_G5JVW0 UniRef90_D6MI69 UniRef90_D6Y070 UniRef90_A0Q3F1 UniRef90_E4SY73 UniRef90_C6VJB3 UniRef90_Q9K7G6 UniRef90_L5LAA7 UniRef90_F7Z611 UniRef90_J1F3A6 UniRef90_UPI0004009A77 UniRef90_R2QNA9 UniRef90_H6LKL7 UniRef90_R2SZ44 UniRef90_UPI0003091F6D UniRef90_UPI0003B43F4C UniRef90_UPI0002DDE3AA UniRef90_V8FQU6 UniRef90_UPI00030F1F7B UniRef90_A0A023VLE6 UniRef90_L5NET7 UniRef90_A0AGU1 UniRef90_I2BC44 UniRef90_K8E7V3 UniRef90_L0RFB9 UniRef90_UPI00029A3219 UniRef90_UPI000407CCF6 UniRef90_K6QSE4 UniRef90_A5UU57 UniRef90_UPI0004734E27 UniRef90_G6FYZ9 UniRef90_UPI00028878E5 UniRef90_W7D304 UniRef90_G8PLH1 UniRef90_W9AKG2 UniRef90_F1T4X3 UniRef90_E4L415 UniRef90_W4F2A2 UniRef90_F8LQV7 UniRef90_D7UV96 UniRef90_W4VFM4 UniRef90_A0A037ZAG6 UniRef90_UPI0004710E42 UniRef90_UPI00031AB88B UniRef90_G6CES1 UniRef90_A5N620 UniRef90_UPI00037F6EC7 UniRef90_C5QQ21 UniRef90_A0A024PQZ5

E G T S F D R K V 50 M N A I E E S V Y A G D N G V L V I M D L L G S A R M N L D L V S E M
P F G T D D P I K V V Q M A A I I E E S V Y A G D N G V L V I M D L L G S A R M N L D L V S E M
P I G T D D A F M Q V Y E A A I E E S V Y A G D N G V L V L M D I L G S A V M N A E L A T E M
D V G T S M E K I M N A F E E N D A D E I L A F Y D L G S A K M N L E M A I E M
R I G T S D M N K I S T A I F E N A Y S E D G V L A F F D L G S A L M N T E M A I E F
K I G G S L E N I S Q K A F T D N S A D E V I L A F Y D L G S S K M N L E M F L E M
D I G T S M E K I S Q A F T D N S A D E V I L A F Y D L G S A K M N L E M A Q E M
D R I G T S F M E K I L S A F T E K N N A A E D V L L A F Y D L G S S K M N L E L A T E M
D V G T S M E K I L A A F E N N E A D E I L L G F F D F G S S K M N L K M V G E L
P F G T D D P I Q V V Q K A I I E E S V Y A G D N G V L V L M D L G S A L L S A E M A V E F
R F G T S F F E R I K Q D A I E E N E G E L L G F Y D L G S S K M N L E M A V E M
E F G T S D P I A I Q Q D A I E E S Y T D G V I V L M D L G S A L L S A E M A L E F
S D I G T S F F E Q V V Q E D R I E E K N P A S T R V L A F F D L G S A R M N L E L A A D F F
S I G T S F F D Q V V Q E A I E E K A N G A Q D R L L A F F D L G S A R M N L E L A A D F F
E I G T S F F E Q V V Q E I I E D D N S A Q D L L A F F D L G S A R M N L E M A I D F L
G G I G T S D A L R V V I E A I E E S L Y A S E G V L V L M D L G S A V M N A E L A L D L
G I G T S F F E Q V V Q S A L E E K N A A D T I L A F F D L G S A K M N L E M V A D F F
G I G T S F F E Q V V Q N S V E E S N P K E D T L L A F F D L G S A R M N I E M V Q D F F
P I G G S S F E Q V V Q A A I E E D N P K E Q L L A F Y D L G S A H M N L E M A V D F L
R I G T D A L I K I Q A A I E E S V Y S D G V V L I F D L G S A F M N A E M A I E M
R I G T D C L N L M N A I E E S V Y S D D G V L I L F D L G S A L M N S E M A L D F F
Q I G T D L D L I L K A I N A Y S Q D D G V L I L F D L G S A L M N A E M A V E M
P L G T D P I Q V V Y Q A I S S F S E D G V I V L M D L G S A L L S A E M A L E F F
R I G T S M E K I T S E G I K K V I E S D G V L I L F D L G S A Y M N T E M A I D F F
I G T S D N K I T K A V D D N K A N K I L A F F D L G S A R M N L E M A C E M
G I G T S F F E Q V V Q T I V E A N E A E K I L A F F D L G S A R M N L E L V A D F F
S I G T S F F E R I V Q A A L D A N D K K S Q L L A F F D L G S A R M N L E M V A D F F
S I G T S F F E R I V Q A A I E D S N P K Q T L L A F Y D L G S A R M N L E M A D F F
E I G T S L D K I V T A A L E E D N S A S E I L L A F Y D L G S A K M N L E M A G E F F
E I G T S F F E R I V Q A A V F A N S K A D E L L L A F F D L G S A K M N L E M V T D F F
T I G T N A E R I F E A I E N A V Y Q D G V L I L L D L G S A V L S T E I A I Q M
R I G T D M E K I L K G I E K V Y S D G V I V L F D L G S A Y M N A E M A L E C
G I G T S F M Q V D R V V S E N P A D T L L A F F D L G S A K M N L E M V A D F F
R I G T D L S K I Q Q A I E E K V Y S D G V I V L Y D L G S S V M N A E L A T E V
R I G T S F F E R I V T S A I E E S V Y S D G V L V L F D L G S A F M N T E M A I E F F
S I G T S F F E R I V Q E A V E T N E A T T L L A F Y D L G S A K M N L E M V G D F F
E E I G T S F D I I Q E V L T K L E D D A L C F Y D I G S S E M N V D M A T E M
E E V G T S F F E K I M A A I E E E Q Q A D G D V L V L M D L G S A L M S A E T A L D L
E E I G T S F F E Q I S S A I E E E N S A D E K L L A F Y D L G S A K M N L E M A M E I
R I G T D M E K I S N A I E E N V Y S D G V L V L F D L G S A R M N L E I A A D L
E I G T S M E K I E A A L R N D N E G E V M A F Y D L G S A K M T L D M V M E M
D I G T S M E K I M D A V E S V Y S D G V I V M F D L G S A Y M N A E M A I E C
D I G T S M E K I G Q A I E E E N S A D E L L L A F Y D L G S A R M N L D M A G E F F
Q Q V G T S L T K I T Q A F D A N H A D E L L A F Y D L G S A K M N L E M A I E M
Q I G T D F D L I D A I L N K A W D D G V L L L F D L G S A L M N A Q M A I E M
E E V G T S F D K I M N A A L A E N E A D D G L F A F Y D L G S A K M N L E M A M E M
E E I G T S A G K I M D A F E E R N K A Q K L L A F Y D L G S A K M N L E L A V I E M
E E V G T S I E K I N A A I E E A N Q G N G V L L F Y D L G S A K M N A E M A I E M
S L G T D V S K I L T A I E E T Q Q G D G V I L V D L G S A V M S S E M A I E M
S E I G T S M E K I L Q A I E E E N E S N E L F A F Y D L G S A K M N L E M A I E M
S V G T S L E K I E A A I K D N A A D E L L A F Y D L G S A K M N L E M A L E M
P R I G T D V M Q V H Q A I E E T V Y S D G V L V L M D M G S A L M S A E M A L E F F
R I G T G I N K I T E A I E E K V Y S D G V M I F F D L G S A F M N T D M A I E F
E I G T S V E K I N N A I T Q S Y S E G V L L F Y D L G S A R M N A E L A I E L
S I G T S F F E R I V E A L V S E N P E K E D L L A F Y D L G S A R M N L E M V Q D F F
D I G T S F D R I Q T A I Q S I E A E N V L V F F D L G S A K M N A E M A I E M
P V E V G T S P L K I M E A A F E E S V D A D A I L V L M D L G S A L L S A E T A L D L
E V G T S F A K I E A A F E E S T G E T L L A F Y D L G S A K M N L E M V M E L
P I G T D P M K V M M A I E E A Q S E E G V L V I M D L G S A L M S A E T A L D F
E I G T S L E K I Q Q A V E A N G S E E V L A F Y D L G S A R M N L E M A A E L
E I G T S V E K I M S A I A A N T G K G V L V F Y D L G S A K M N A E V A I E M
G I G S M T K I S A A I D A N G A D E L L A F Y D L G S A K M N L D M A V E L
S L G T D A A K I R D A I E E S V Y S D G V L V L M D L G S A V L S A E M A L D F F
D I G T S A L K I K D A I E E S V Y S D G V A L L F D L G S A R L N A E M A V E M
P L G T D A M Q V Y E A I A S V Y S D G V L V L M D L G S A L M S A E M A L E F
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P I G T D P V Q V M T A I E E T M D D D G V L V L M D L G S A L L S A E M A L E L
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90 100 110 120

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L Q P K V K L C A A P L V E G G A I T A A V Q A S I G A T L L E E Q I I T E Q L N N E L
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L P E K V K L T S A P L V E G G A I A A V Q A S T G A N D C D Q I I L S E A T T E A L E
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S D K N I L I Q N V P F V E G G A Y T A A A L I Q A G A P L L S A I I E A D Q Q L S E L E
S D K K I Q I M S V P V V E G G A Y T A A A L I Q A G V D K A G V V L E E Q L C G A L L E
L P E N V L L C S A P L V E G G A V V A A V Q A R L G T P L R S Q V I A Q S T Q L K E L E
S N K A V I L N I Q V P I V E G G A Y T A A A L V Q A G V D I L R S Q V I A Q S T Q L K E L E
T D K D I I L N I V P I V E E G T Y T A A A L L Q A G T D L D E T V I K Q S Q L K E L E
S D K E I L I Q D V P L V E E G A Y T A A A L L Q A V D T P L L E E V I Q M K S A R A S L L
L P K K V R L C A E A P L V E G G A I A A V I E A A S S I G S S I L D R V I E E I E A L K P M N
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M E S K V K L A K C A P L V E G G A I A G A V E A S S I G K S I L D E E I E E A L K P M N
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L R D K I Y M C D A P L V E G G A I A A T V A A S T G K N I Q E V V L R E A Q Q S L
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S D K T V H L I N Y V P L V E E S A Y T A A A L L Q A G A S E L Q D A I L A Q Q L L E L K
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L D S K V L M S E A P I L E G G A I A A T V E A S I I G S S I L K K V D N A A R R V I
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Y D G N H R V V D A P I V E E G S F I A A V K L S I I G G S I L D D A L L A E L K Q S F
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L D D E V E V V D A A L V E E G T I L A A V N S S M N K S I I K E I I K E E L N L K K
S D K Y I R I M D T A F I E S A Y T A A A L I Q A D A E L L E E I I K Q L L E P L K
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T E K E V L F D T A L V E S A Y T A A A L L Q V D T P I D V I K E Q V L A P L K
L D D K V K I V D S P L V E G G A V F S S V E A S I I G S S L E E V I M E V L A N A K
T E K K V E I F D T A F I E G G A Y T A S A L L A E A D E E E E I V K A Q L L K K L T
T D K T V E I M D V A F I E G G A Y T A A S L L A G G T N Y D R V V E Q L L K P L T
S D K K I H L Y D A S F V E G T Y T A A A L L Q A R T G L D A V V E A Q L L K P L T
L R N N I R I C E A P L V E G T I A A V V C A A G G S I I E E V I L A E A R G A L
L D D E K I Q I D A P L V E G G V I T A A V E C S A M N K N I E E E I K I V L K E M A
C G E N I K V A N A P L I E G G A Y V A A V E S S I I G K S L T E I I E Q S L L Q K L T
S E K A A T I V N V P F I E G T Y T A A A L I Q A G L E K D A V I L E A S Q L L K E L E
S E Q K A Q L V S Y P I L E G G A Y I A A V E A S I I D K S L E D I L A S L L Q K
T E K E I H L F N V P I V E G G A Y S A A A L I A E V G V S I I E E I I S K Q L L Q D I T
L E P R V H L Y P A P L V E G G A L A A T V S A A S G A G L D K V I E S D A Q C A L L
T D K E V H L Y D T A F I E S S Y T A A A L I Q A G A L D A I I E E Q L L A P M K
L P D E V K L C S A P I V E G T M A A A V Q A S V G A S L K E V I S A E A G A P A L
A T K K L R I Y D V A L I E G G A Y V A A S L L Q A Q V G L P A I V I E K Q L L A P L K
L D S V K I I D A P L V E G G A Y V A A V E S N M G K S L D K V I E Y E T V
A D K P V H V Y D V A L V E G G A Y S A A T L I A G A G L D L A G I E A Q L L A P L K
L A E R V R L C C A A P L V E G G A I A A A I Q A S I L G A S L D R V I A A A E A S G A L
L D G N V R I C C D A P L V E G G A Y A A V Q A G I L G G S L D E V I A A A A S Q A K
L P Q H I H L C A A P L V E G G A I A A V V A A A S S S I I Q R V I T E A Q G A L
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L G D E V E L C A A P I V E G T M A A A V A A G S G L P L T A V K E E A L G A L
N E E Q A L L V E G P L V E G G A Y V A A V E S G M G K T L Q E V V H D A V L K K
C T K K V L M Q V P I V E E G T F A A A V L I Q A G A L S E V I L D E V L P L K
T D K E L S I M Q V P L V E G G A Y T A A A L I Q A G V D K E V I L Q Q L L S E L L E
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L P E K V E I V D T A L V E G G A I T G A V E I S M E K T L A E V K A I L V E E M K
T E K E M T E I Y S V P V V E G G A Y T A A A L L E A Q A D L T A I N E Q L N A L T
L D S R V R L A R A A L V E E G T V A A A V E A Q S G A D V D T V I T R A A E T A L
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L D K K V Q I I N G A L V E S A L I A V V D S S I I G K S I L E E I K E H L E C M C
L D E E L R I A D A P L V E E G T I V A A V Q A S T G A M L K D V L K E A I N G A C
Y E G Q Y E I V N A P L V E E G S F T A A V K L S T G G N M K E A I E E V I N N
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UniRef90_G6FYZ9	V A K
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UniRef90_WOL716	I	N	V	V	V	S	H	S	A	Q	L	R	G	G	V	E	R	L	A	R	E	V	A	S	D	V	C	K	L	A	L	A	A	G	V	D	D	A				
UniRef90_UPI00046908FF	S	I	G	V	L	V	S	H	V	P	E	L	A	A	G	V	E	R	L	A	R	E	V	A	S	D	V	C	K	L	A	L	A	A	G	V	D	D	A			
UniRef90_KOFT01	N	V	G	I	V	L	V	S	H	S	Y	Q	L	V	E	R	L	A	R	E	V	A	S	D	V	C	K	L	A	L	A	A	G	V	D	D	D	D	A			
UniRef90_K9WGR0	V	G	I	V	L	V	S	H	S	K	Q	L	V	E	R	L	A	R	E	V	A	S	D	V	C	K	L	A	L	A	A	G	V	D	D	D	D	N	A			
UniRef90_UPI0003F646BF	V	G	I	V	L	V	S	H	S	P	K	I	V	E	S	G	L	K	R	L	L	N	G	V	A	S	D	V	P	I	E	L	V	A	A	G	V	D	D	G		
UniRef90_C5DA74	V	S	L	V	L	V	S	H	S	E	E	I	V	E	S	G	L	K	R	L	L	N	G	V	A	S	D	V	P	I	E	L	V	A	A	G	V	D	D	G		
UniRef90_R2VIY8	MT	R	G	V	V	L	V	S	H	T	K	E	I	P	E	S	G	L	K	R	L	L	N	G	V	A	S	D	V	P	I	E	L	V	A	A	G	V	D	D	G	
UniRef90_UPI00037FDB01	V	G	I	V	L	V	S	H	S	R	L	A	E	G	V	R	E	L	V	G	Q	M	T	Q	S	V	P	M	A	V	A	A	G	V	D	D	N	D	N			
UniRef90_K9X7X3	V	G	I	V	L	V	S	H	S	K	Q	L	A	A	G	V	R	E	L	A	A	Q	M	V	A	S	D	V	P	M	A	V	A	A	G	V	D	D	N			
UniRef90_U4TTH3	G	M	V	I	V	S	H	V	P	E	I	V	A	G	V	R	E	L	I	R	Q	V	A	P	D	V	A	L	T	T	A	A	G	V	D	D	N	G				
UniRef90_I3E7W6	V	G	I	V	L	V	S	H	S	P	E	I	V	K	G	L	E	S	L	L	K	Q	I	Q	E	N	V	P	L	A	V	A	A	G	V	D	D	N	G			
UniRef90_UPI0003471DFA	V	G	I	V	L	V	S	H	S	V	K	I	A	E	G	V	R	E	L	V	Q	Q	V	M	K	D	V	S	I	E	V	A	A	G	V	D	D	E	G			
UniRef90_B1CB31	G	M	V	I	V	S	H	S	V	E	K	I	A	E	G	V	R	E	L	A	L	Q	Q	M	A	K	D	V	N	I	V	P	A	A	G	V	D	D	E	G		
UniRef90_F4XKL5	I	S	I	V	I	S	H	S	A	K	L	A	A	A	G	V	K	R	E	L	A	E	Q	M	V	H	S	V	P	I	A	I	A	A	G	V	D	D	N	A		
UniRef90_S4CL12	K	I	G	I	V	L	V	S	H	V	Y	E	L	A	F	G	V	L	R	E	L	L	K	E	V	A	P	D	V	P	L	T	L	A	A	A	G	V	D	D	N	
UniRef90_UPI0002BC4120	V	A	I	V	I	V	S	H	S	L	R	L	A	A	G	G	L	E	E	L	L	Q	Q	M	S	G	V	P	L	A	I	A	A	A	G	V	D	D	N	A		
UniRef90_C7HTR8	I	N	I	L	I	A	S	H	S	K	K	L	A	A	E	G	L	R	E	L	L	I	Q	Q	M	A	P	N	V	N	I	L	V	S	G	G	D	K	D	G		
UniRef90_UPI000379F74C	L	G	I	I	L	V	S	H	S	K	N	L	A	A	E	G	G	A	M	D	L	I	S	E	V	A	K	D	V	A	I	S	Y	V	G	G	R	E	D	G		
UniRef90_R2SFU9	M	K	K	S	I	L	L	V	S	H	S	K	E	I	T	D	G	L	K	E	M	I	E	Q	M	A	E	T	V	T	I	S	F	L	G	G	T	S	E	G		
UniRef90_G5JIV1	I	V	L	L	V	S	H	S	N	D	I	A	Q	G	T	K	Q	L	I	Q	Q	M	A	G	N	V	N	V	V	A	K	G	G	L	K	D	G	N	A			
UniRef90_UPI000255BD3F	I	G	L	L	L	V	S	H	V	R	E	I	G	D	E	G	L	R	L	L	K	E	V	A	G	D	V	T	I	K	A	A	A	G	V	D	D	E	D	N		
UniRef90_A0A011QUT1	L	L	L	L	V	S	H	V	R	E	I	G	D	E	G	L	R	L	L	K	E	V	A	G	D	V	T	I	K	A	A	A	G	V	D	D	E	D	N			
UniRef90_L8JCD4	V	S	I	V	I	V	S	H	S	P	N	L	A	K	G	V	H	E	L	A	S	Q	M	S	Q	G	V	Q	I	A	V	A	A	G	V	D	D	N	A			
UniRef90_U5MPP9	V	G	I	V	V	V	S	H	S	E	L	V	A	N	G	A	K	E	L	A	L	Q	Q	M	A	P	E	A	K	I	E	A	A	G	V	D	D	E	D	N		
UniRef90_UPI00026264B9	V	G	I	V	L	V	S	H	S	S	K	V	A	C	G	V	I	N	D	M	I	R	Q	V	I	K	D	V	P	L	A	V	A	A	G	V	D	D	N	A		
UniRef90_UPI00037BA059	V	G	I	V	L	V	S	H	S	K	R	L	A	E	G	V	R	E	L	V	E	P	M	V	Q	G	I	P	L	A	V	A	A	G	V	D	D	N	A			
UniRef90_UPI00036C4CB9	K	V	G	I	I	V	S	H	S	Y	P	L	A	G	A	G	I	K	A	L	I	D	Q	Q	V	V	D	D	V	P	L	S	L	A	C	G	L	E	D	N		
UniRef90_I0JA5	V	G	I	V	L	V	S	H	S	E	K	A	A	A	G	I	C	A	L	I	L	D	Q	Q	V	V	D	D	V	P	L	V	E	A	A	G	V	D	D	N		
UniRef90_UPI0003B6E6DC	K	V	S	I	V	I	S	H	S	K	E	L	A	D	G	I	V	D	L	V	S	Q	T	K	Q	E	D	V	A	I	A	A	A	G	V	D	D	E	G	N		
UniRef90_E1R8P8	V	G	L	V	I	V	S	H	S	R	Q	L	A	E	A	D	G	L	V	S	L	I	R	S	G	T	G	N	E	I	P	V	V	A	T	A	G	V	D	D	E	G
UniRef90_F4BL98	Y	G	V	L	I	V	S	H	V	S	D	I	A	E	D	G	L	V	A	S	L	I	S	E	V	A	K	D	V	T	V	K	S	A	G	T	P	E	G	N		
UniRef90_UPI00047C8BB5	MT	V	G	L	V	I	V	S	H	S	S	K	I	A	E	G	V	V	E	L	A	A	Q	M	A	P	N	V	R	I	A	A	A	G	V	D	D	S	A			
UniRef90_U2P233	V	N	L	V	V	V	S	H	S	R	K	L	A	E	S	R	K	L	A	E	L	A	S	Q	M	T	G	D	V	K	F	A	L	A	A	G	V	D	D	N		
UniRef90_U6BBX7	V	N	L	V	V	V	S	H	S	E	K	L	A	T	G	L	K	E	L	L	A	S	E	M	A	P	D	T	P	V	L	I	A	A	G	V	D	D	E	D	G	
UniRef90_UPI0002DC96AB	N	V	G	I	V	L	V	S	H	S	R	E	L	V	R	G	L	K	K	L	L	Q	I	E	S	N	V	P	L	A	I	A	A	G	V	D	D	D	D	D		
UniRef90_B0TAS0	V	G	I	V	I	V	S	H	S	A	K	V	A	E	G	V	L	C	D	L	A	R	Q	M	A	K	D	Q	K	I	L	P	A	G	G	M	A	D	D	D		
UniRef90_G7ZT23	I	I	L	V	S	H	S	K	D	I	A	N	G	T	K	A	L	L	Q	Q	M	A	G	D	V	D	V	S	I	L	A	L	G	L	E	D	D	G	N	A		
UniRef90_G8PBG0	M	K	Y	G	I	V	V	S	H	V	S	D	I	A	I	G	V	Q	R	L	I	D	Q	V	A	K	D	V	S	V	T	T	A	G	G	L	E	N	D	G		
UniRef90_UPI00037F7B22	MT	V	G	L	V	L	V	S	H	V	A	E	L	A	D	G	V	R	A	L	A	A	Q	M	A	P	D	V	A	I	V	A	A	G	V	D	D	E	D	D	G	
UniRef90_R3WKQ2	M	S	S	A	I	L	V	S	H	V	E	E	I	A	K	G	I	Q	R	L	L	E	V	A	K	D	V	T	V	V	V	V	A	A	G	V	D	D	E	D	G	
UniRef90_R6YPP4	V	G	L	V	I	V	S	H	S	K	N	L	A	D	S	V	V	E	F	T	G	L	M	A	P	D	A	K	I	A	A	A	G	V	D	D	E	D	G	N		
UniRef90_S5A373	MA	M	G	M	L	V	S	H	V	P	A	L	A	D	S	V	L	E	T	L	K	Q	V	A	K	D	V	P	I	T	T	A	A	G	V	D	D	E	D	G		
UniRef90_Q893Q1	V	G	M	V	I	V	S	H	S	N	K	V	A	K	G	V	R	E	L	S	L	Q	Q	M	A	P	D	V	P	I	A	S	A	G	T	K	D	G	N	A		
UniRef90_UPI0002893686	G	I	V	I	V	S	H	S	I	D	I	A	R	G	I	P	P	L	L	A	Q	V	A	Q	D	V	P	V	T	F	A	G	V	D	D	E	D	G	N			
UniRef90_R9IR74	V	G	L	V	I	V	S	H	S	K	K	V	A	E	E	I	F	E	L	A	V	Q	M	T	G	D	H	R	M	I	P	V	G	G	M	E	D	E	G			
UniRef90_UPI00047B7EFE	M	N	V	G	L	V	L	V	S	H	S	K	I	A	E	G	V	F	E	L	A	V	Q	M	A	P	D	V	N	L	V	A	A	G	V	D	D	E	D	E		
UniRef90_W2BRN8	I	G	I	V	A	V	S	H	S	P	K	L	A	E	A	A	K	E	L	A	L	Q	M	T	G	Q	N	P	I	Q	L	A	A	G	V	D	D	H	A			
UniRef90_Q313B5	V	G	L	V	I	V	S	H	S	A	V	L	A	E	G	V	R	E	L	A	L	Q	M	T	G	Q	N	P	I	A	L	A	A	G	V	D	D	H	A			
UniRef90_A0A010Z1L2	V	G	L	V	I	V	S	H	S	D	S	L	A	K	S	V	V	E	L	T	K	I	M	A	S	N	A	P	I	A	A	G	V	D	D	E	D	G	N	A		
UniRef90_R2QTL1	M	K	K	A	I	L	L	V	S	H	S	K	K	I	T	D	G	V	K	D	M	I	E	Q	M	A	Q	S	D	S	I	F	S	L	G	G	T	A	D	N		
UniRef90_UPI0003624238	V	S	L	V	L	V	S	H	S	K	E	V	A	E	G	L	K	K	I	L	N	Q	V	Q	P	D	V	K	V	A	A	A	G	V	D	D	A	D	G	N		
UniRef90_UPI00040FB243	MR	V	G	L	V	L	V	S	H	S	A	Q	L	A	D	G	L	V	E	L	A	A	Q	M	A	P	D	V	T	L	J	A	A	G	V	D	D	E	D	G		
UniRef90_D9T5Y9	V	G	I	V	I	V	S	H	S	K	K	V	A	D	G	L	V	E	L	I	D	Q	M	T	G	G	I	N	I	G	K	S	G	G	T	K	D	G	N	A		
UniRef90_E3GPD0	V	G	I	V	V	V	S	H	S	Q	K	V	A	E	G	A	K	E	L	A	L	Q	M	A	A	D	A	K	I	A	A	A	G	V	D	D	Q	D	E	G	N	
UniRef90_I7JFV6	I	V	I	V	S	H	S	E	D	I	A	N	G	T	K	V	L	E	Q	M	A	G	D	V	S	I	L	I	Q	G	V	L	E	G	V	L	E	G	N	A		
UniRef90_K9V888	V	G	I	V	I	V	S	H	S	R	L	L	A	E	G	V	R	E	L	A	L	Q	M	V	P	D	I	S	L													

	50	60	70	80
UniRef90_WOL716	E I G T D A L K V	M E A I K S V D G T	G I V V L M D L	G S A L L S A E M A L L E F
UniRef90_UPI00046908FF	G V G T S L T K I	Q A A I K S N Q A D	Q L L A F Y D L	G S A K L N L E L A Q E F
UniRef90_KOFT01	P L G T S A S K I	K N A I K S Y T N E	G V I V F L M D	G S A L L N L E L A T E F W
UniRef90_K9WGR0	G F G T D A M Q I	Y Q A I K S V Y T N E	G V I V F L M D	G S A L L N L E L A T E F W
UniRef90_UPI0003F646BF	D I G T S L E K I	Q A A I E S A L S P K	G V L L I F D I	G S A K M N A E M A V I E M
UniRef90_C5DA74	E I G T S N A F R I	K E A I E S V S S E	G V V L L F D L	G S A K M N A E L A I E M
UniRef90_R2VIY8	E I G T S M E R I	S Q A I E E N S A D E	L L A F Y D L	G S A K M N L E M A I E M
UniRef90_UPI00037FDB01	P I G T D P V K I	L N A V K Q Q Q G D	G V L V L M D F	G S A M L S T E A A I D L
UniRef90_K9X7X3	P D I G T D P M Q I	Y E A I A S F S D D	G V L V L M D L	G S A K M S A E M A L E F
UniRef90_U4TTH3	E I L G T D A T H I	L Q A I D A N P A T	D L M V F Y D L	G S A K M N L E L V T D M
UniRef90_I3E7W6	E I I G T D V F K I	K Q A I E S V Y S E	G V V I L F D L	G S A L T N A E M A I E M
UniRef90_UPI0003471DFA	E I L G T D I D K I	L R A I N A N N D D	G V L L L Y D I	G S A K M N A E M A I E M
UniRef90_B1CB31	E I L G T D L E K I	L R A I N A N N D D	G V I V L M D L	G S A V M T T E M A I E M
UniRef90_F4XKL5	P F G T D V L Q V	Q A A L E S V Y S D	G V V L M D L	G S A V L S A E M A L E F
UniRef90_S4CL12	P I G T D A E T I	V T A F E S N R G Q	E L F A F Y D L	G S A K M N L E L A E E L
UniRef90_UPI0002BC4120	N I G T S N F D E I	N Q T I N E Y A T D	G L V I F F D L	G S S M M N C Q M A I D M
UniRef90_UPI000379F74C	E I L G T S F L R I	Q E L V D V N P K D	A E L F A F Y D L	G S A G M N L E M V A E F
UniRef90_R2SFU9	E I L G T S D F R I	J E A I N A S D A D	A E L V F A D L	G S A V L S A E L V A D M
UniRef90_G5JIV1	T I G T S F D D I	N H V L N E L N D D	A L C F Y D I	G S S E M N L D M A I E M
UniRef90_UPI000255BD3F	G V I G T S F D R I	N E A V T S F E S P	R I W A F Y D I	G S A K M N L D L V S E T
UniRef90_A0A011QUT1	S V I G T S F D R I	S A A I T S F E S N	T I W C F Y D I	G S A K M N L E L A A E T
UniRef90_L8JCD4	P I G T D A V A V	M M A I E E V Y S E	G V L V L V D M	G S A L L S T D T A L D L
UniRef90_U5MPP9	R L I G T S I N K I	T E A I K K V Y S D	G V M I F F D I	G S A F M N A E M A V I E F
UniRef90_UPI00026264B9	D I G T S I E K I	R Q A I R A N K G H	G V L V F Y D I	G S A K M N A E M A I E M
UniRef90_UPI00037BA059	P L I G T N A M E V	Y Q A I A S V Y S E	G V L V L M D L	G S A L L S A E M A R E F
UniRef90_UPI00036C4CB9	E I I G T S I E K I	Q E A I Q A A G D	G A I I F Y D I	G S A K M N A E M A I E L
UniRef90_I0JQA5	E I I G T S N F E R I	Q T A I E N I H N E	G T I V F Y D I	G S A Q M N A E M A I E T
UniRef90_UPI0003B6E6DC	E I I G T S V D R I	T G A V E S T T E E	G V L L L F D I	G S A L M N A E M A L I E M
UniRef90_E1R8P8	E I L G T D A G D I	V D A I G S V Y S D	G V L V L T D L	G S A K M N L E L A I E F
UniRef90_F4BL98	E I L G T S F D R I	E E V L S S F N E E	K I L A F Y D L	G S A K M N L E L A I E T
UniRef90_UPI00047C8BB5	R I I G T S L E K V	Q S G E E A E E G D	G V V L T D L	G S A V M T A E M T L E F
UniRef90_U2P233	P I G T D P V A V	M M A I E E V L D D	D V L V M V D M	G S A L L S T D M A K E L
UniRef90_U6BBX7	S I G T D A T R I	E E T L D D D G	V V L T D I	G S A T M N T E L A L E L
UniRef90_UPI0002DC96AB	G M I G T D F Q D I	K A A I E S V Y S N	G V V I L F D L	G S A L F N A E L A I E M
UniRef90_B0TAS0	S I G T S F D K I	S E A I A A W S D D	G V L V L V D I	G S A L L S T D T A M E F
UniRef90_G7ZT23	S I G T S F D L I	Q E A L T A D L D	D D A L C F Y D I	G S S E M N V D M A I E M
UniRef90_G8PBG0	S I G T S I E R I	Q T A F E Q N T	G D E L L A F Y D L	G S A K M N L E M A I E M
UniRef90_UPI00037F7B22	E I I G T S F E K V	L A G V L A J D D	G A G V A V L Y D L	G S A Q M T A E L V L E T
UniRef90_R3WKQ2	G V I G T S M E R I	S T G I D S I G S E	E T I L A F Y D L	G S A K M N L E M A M E M
UniRef90_R6YPP4	G G F G T S F E K I	S T K A I E S V Y S E	G V I V L M D M	G S A V M T T E M V L D M
UniRef90_S5A373	Q Q I G T D I D H I	Q K A I N D N P A S	E L L V F Y D L	G S A K M N L D L A E E V
UniRef90_Q893Q1	R I I G T D I D L I	L E A I N D K V Y S	D G V I L L F D L	G S A L M N A E M A L E F
UniRef90_UPI0002893686	E I I G T D F E A I	L A A I E S N D A T	T L F A F Y D L	G S A K M N L D L A K E M
UniRef90_R9IRT4	E I L G T D A M R I	L Q G I D A N D G G	V V L L A D L	G S G V L S S E T A T D L
UniRef90_UPI00047B7EFE	E I L G T S F E K I	L E A I S A D G A G	A V I L T D L	G S A V M T A E M A L E F
UniRef90_W2BRN8	E F G T D A M A V	A E I G A A D S G E	G V V I I S D I	G S A V L S A E M A C E F
UniRef90_Q313B5	P I G T D P T R I	M A A L E E Q D G	G V L V L M D L	G S A L M S A E T A L D L
UniRef90_A0A01021L2	S F G T S F R K I	Q A A I E S V Y T D	G V L V L M D M	G S A V M T T E M V I E M
UniRef90_R2QTL1	E I L G S D P T K I	V I E A I D K N D S	D T F F V F A D L	G S A V L S A E L A F D M
UniRef90_UPI0003624238	E I I G T S N A L A I	K E A I E S V Y S E	G V V I L F D L	G S A L L N A E L A L I E M
UniRef90_UPI00040FB243	E I I G T S L E K V	M D A V S A D A G A	G V L V L A D L	G S A V M T A E A A L E F
UniRef90_D9TSY9	R L I G T N I D E I	T J E I K R C E G D	G V L V L D L	G S S V M S A Q M A L E F
UniRef90_E3GPD0	S I G T S M E K I	T N A I N E M S D D	G V I M L V D M	G S A I M T S E M A I E M
UniRef90_UPI00017JFV6	S K I G T S Y D H I	Q E M I N D L D	D D A L C F Y D I	G S A E M N L D L A I E M
UniRef90_K9V888	Q L I G T D V L Q V	Q A A I E S V Y G D	G V L V L M D I	G S A L M S A E M A L E L
UniRef90_A0A023X2S7	G I I G T D P E R I	Q S A I E E I D G D	G V L V F M D L	G S A I L S A E T V L E M
UniRef90_UPI000469D2A4	P I I G T D A L A I	M S A I E S V Y D D	G V V L M D L	G S A L L S T E M A L E L
UniRef90_X0PFD3	G V I G T D A A K I	T Q A L D A N P G	D E L M V F Y D L	G S A K M T L D L V A E M
UniRef90_I8AMQ2	S L I G T D S T R I	E A A F E A V T D D	S L L I T D L	G S A T M N A E L A L E L
UniRef90_G4L518	E I I G S D P T K I	V D A V E A G Q E D	W F L V F A D I	G S A I L N A E M A Q D M
UniRef90_H0DJ54	E I I G T S F D A I	Q E R I N Q I S E D	L M C F Y D L	G S A E M N L D M A L I E M
UniRef90_A0JRA5	R I G T S L E K V	M A A L E Q A A G D	G I V L V L T D L	G S A V M T A E S A V I E F
UniRef90_Q4L474	R I G T S F D D I	Q N I N N L D D	D A L C F Y D L	G S S E M N L D L A I E M
UniRef90_D4MB24	S L I G S D P M K I	T D T I N E A D S	D E F L I F A D L	G S A V L S S E L A F D M
UniRef90_U7PEU5	T I G T S F E P I	Q Q A I E G L Y S D	D A I C F Y D L	G S A E M N L D M A I E M
UniRef90_C5EQC8	G F I G T S F E K I	Q A A I E S V Y S D	G V L V L M D M	G S A V M T T E M V I E F
UniRef90_E4RNI1	D L I G T N P D A I	E S A V N E I D S D	G L I I L A D L	G S A V M S V N M V L D W
UniRef90_A0A016QTK5	D L I G T S A P R I	S R A V E A T A G H	D G V L I L L D L	G S A A M N T A L A L I E M
UniRef90_UPI000474LVS0	R L I G T D V F L I	E S V M E V F D G D	G V L I I P D L	G S A V M S A E M A I E S
UniRef90_E5YJK1	P I I G T D A I K V	M Q A I E E F D P S	G V L I M M D L	G S A L L S T E T A L E L
UniRef90_U7J6U7	T I L G T D A T A V	S A A I E K T I S C	D G L V L V D I	G S A L L S A E M A L E F
UniRef90_UPI00034AA040	K I I G T S Y D H I	Q A L I N E L T	T D D A L C F Y D I	G S A E M N L D L A I E M
UniRef90_D8KMN8	G I I G T S Y E L V	E R S V E E N K K L	E V L I L T D L	G S A T M T V E T L L D F
UniRef90_R6N9T5	K L I G T D M K I	K S A I E K V G P D	G V L I L T D L	G S S V L T T E M V I D M
UniRef90_UPI0003B4BEC8	A F I G T D A T A I	V J A I T D V G P	G D E T L L L V D V	G S A V L S A E L A L D L
UniRef90_L7WY42	D I I G T S F E T V	Q Q L I N D L E	D D A M C F Y D I	G S S E M N L D M A I D M
UniRef90_UPI0003B671F3	R I I G T S F D L V	S A A I A A D S G N	G V V V L C D L	G S A I L T T E T A L D F
UniRef90_UPI0002627F7A	G I I G T N L E A I	M E A I S A R W S D	G V V M V D L	G G A E T N S E M A I E M
UniRef90_K0YNP3	G I I G T S F D K I	D A A V S A C D G A	G V L I L T D L	G S A T M T V I E S V L D F
UniRef90_D5U492	E I L G T D A V E N A I	E S V Y S D G V I I	F C F Y D I	G S A L L S S E L A L S M
UniRef90_UPI0002D5D295	E I I G T S I D T V N E	I D E L T E D A L L	F Y D I	G S A E M N L E M A I D L
UniRef90_A6CWC3	P I I G T D A I A V	M G A I E E C D Q D	G A V V L M D L	G S A L L S T E M A L E L
UniRef90_I6XPN5	G F I G T D A T Q V	A D A V R A A D G G	S G V V L M D I	G S A V L S A E F A M E L
UniRef90_S2Z571	R I I G T S Y D R A	A L A A V D G E	G S G V I V L T D L	G S A T M T I E S V I D M
UniRef90_D4YDR8	E I I G T S V S K I	T E A I F A N T D K E	I F I F T D M	G S A V L S A E T A L D F
UniRef90_Q1AX44	G L I G T N P D R I	R E A L E S A R S D	E L V F M D V	G S A V L A V I E S V I E M
UniRef90_R5GMC9	G F I G T S F E K I	T E A V E S Y S D G	V A I F M D L	G S A V M T T E M V L E M
UniRef90_Q03DP1	D V I G T D M Q R I	I Q A F E D N S A T	K L L A F Y D L	G S A K M N L E M A I E M
UniRef90_B0K2Y4	R I I G T N P L K I	K K V I E E Y D G	N I F I F A D I	G S S I M A T Q M V L D M
UniRef90_C8XFU0	A I I G T S F D L I	A A A I E R A D G	D G A I L L Y D I	G S G Y L T A E T A V E F
UniRef90_U1EQ42	E I I G T S F D D I	H Q L L N G L N	D D A L C F Y D I	G S A E M N L D M A I E M

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UniRef90_UPI00046908FF S D K E T I H L Y D V A L I E G G A Y T A S A L L Q A D A N S L E D M I E P Q L A D L K

UniRef90_K0FT01 L A E R V R L K I C E A P L V E E G T L A A V V Q A A N G A N I E E Q V I Y K A A L E A K

UniRef90_K9WGR0 L P E R V R L K I C E A P L V E E G A Y T A A V V Q A A N G A N I E E Q V I Y K A A L E A K

UniRef90_UPI0003F646BF S E D H I E I A D A D V P I V E E G A Y T A A V V E S G M G K S L V E I T E I L L K K

UniRef90_C5DA74 L E K H I V I A D A D P L V E E G A Y T A A V V E A G L G K S L D E I V T R A C E Q A K

UniRef90_R2VIY8 T E K K V T L F D T A P L V E E G A Y T A C A L L A A D V G E A D I E T Q L A S L V

UniRef90_UPI00037FDB01 L P E D I V L S P A P L V E E G A M A A A V V Q V S L G A D M E T V L E E L A S L V

UniRef90_K9X7X3 L P E K V Y L C E A P L V E E G A Y T A A V V A A A G M N I Q Q V I M A E A R G A L

UniRef90_U4TTH3 T D K P L H R Y D A V A F V E E G A Y T C A A L L Q A G D S R A E I E K Q L A P L K

UniRef90_I3E7W6 L E P N I K I A D A P L V E E G A Y A A V V E A G I G S T L

UniRef90_UPI0003471DFA T E D N V E L T I E A P I V E E G G I A A A V T I M S G G S I E D I M K K A V T E Q

UniRef90_B1CB31 V E N D V T M I D G P V V E E G A I A A V V Q A A A G G D I D Q V I A E A R S A L K

UniRef90_F4XKL5 L D E E V R L C E A P L V E E G A I A A V V Q A A A G G D I D Q V I A E A R S A L K

UniRef90_S4CL12 T E K T V H L F D T A L I E E G A Y T A A A L L Q V A A S E Q E I I E Q L T A L K

UniRef90_UPI0002BC4120 L S E E I Y L L F A A P V V E E G T M S A A V T S A A A G L S V T E I I A E V D L A L

UniRef90_C7HTR8 L D N E V Y L A G T P I V E E T S V Q I A V E A S A G Q S L V E K I V E Y L N E Y P

UniRef90_UPI000379F74C S D K E I L L M K L P I I E E A S Y T A A A L I Q A G V D K E A I I N Q L K E L E

UniRef90_R2SFU9 L E P R Y H L V D A P L I V E E G A F T A A I T A G V T D D L T T I I N E A K N A

UniRef90_G5JIV1 Y A G D Y Q I V D A P I V E E G S F T A A V K L S V G G S L E D A V Q E V K

UniRef90_UPI000255BD3F T D K N V M E I Q D V S F V E E G A Y T A A M L Q A N A S E D S I H S E L K P L K

UniRef90_A0A011QUT1 T D K E V T M I L D A A F V E E G A Y T A A S L L Q A E V K L P L M

UniRef90_L8JCD4 L G S E V H V C A A P L I E E G T M S A C V A A A A G M S L T Q V A D E A H N A L

UniRef90_U5MPP9 L K E K I Q I V D A P L I E E G V V T A A V E S C S M N K S M E K V N A A S L T G M S

UniRef90_UPI00026264B9 M E D D V T I V E A P L L I E E G A Y T A A V E S G M E K D M S V A A A L

UniRef90_UPI00037BA059 L P P E V H L C A A P L V E E G A I A A V V A A A A G K D I R G I I A E A Q E A L

UniRef90_UPI00036C4CB9 L E S N I R I A D A P L V E E G S Y I A A V E S N L G K S V E E I I S S L E K M K

UniRef90_I0JA5 L G E N V R I L A S A P I L V E E G A Y I A A V E S S V G K S V E E I I S S L E K M K

UniRef90_UPI0003B6E6DC L P E R I T I A D A P L V E E G A Y I A A V E A G M G K S L L E E V K K A A E S A K

UniRef90_E1R8P8 L P D E I R I S S A P L V E E G A Y S A A V Q I G L G S L Q E V I E L E A R G G L

UniRef90_F4BL98 S D K T V N L Y D T A L I E E S A Y T A A A L L Q A E A P L Q D A I E E Q L I T L K

UniRef90_UPI00047C8BB5 L S P R I R L P Q A A L V E E G A V A A A V Q A E S G G T V D

UniRef90_U2P233 L G E R V Q I C A A P L V E E G T V A A A V A A S G L S V E Q E I E D G L K A L

UniRef90_U6BBX7 Y S G E V R F I D A P L V E E G A F L A A V L S G O S K S V E D E I E D G L K A L

UniRef90_UPI0002DC96AB M D K K I V I A D A P L V E E G A Y A A I E S G C G S K L E Q V L A A E G T K

UniRef90_B0TAS0 L D E R V R V A D A P I L E E G S I G A A V E A S V G S S L E Q V L A T A E G A

UniRef90_G7ZT23 Y D G D Y R V V D A P I V E E G S F I J A A V R L S V G G T V D D A L A E I K Q

UniRef90_G8PBG0 S D K K V H L Y D T A L V E E S A Y T A A A

UniRef90_UPI00037F7B22 L D P R I R I A D A P L V E E G A L A A A T T A A G G A D L T A V V A A A E G A L

UniRef90_R3WKQ2 T E K E V R L Y D T A F V E E S A Y T A A A A L L Q A G A E L S M I E E Q I A E L K

UniRef90_R6YPP4 F E P D V K M A D C P L V E E G A V V A T I N A V S G M D E I L A L S Q

UniRef90_S5A373 S D K Q M H V Y D V A F V E E G A Y A A A A L L E I A N V T L D K I E A Q L K P L K

UniRef90_Q893Q1 L P E E V K I V D T A L V E E G A I T A A A V E I S

UniRef90_UPI0002893686 T T K E V T V L D A P I V E E G S Y A A A T L L Q I E T S K E D V L T Q L A P I S

UniRef90_R9IR74 L E E E V V I A D A P I L E E G A I G A A V Q A S I G G T L A E V V E A A E Q A K

UniRef90_UPI00047B7EFE L D S R V R I L A R A A P L V E E G S V A A A V E A Q T G A D A D

UniRef90_W2BRN8 V D V E V R V V A A P F V E E G L L A A A V A A S T G G K S L D E V V S A A R S A L

UniRef90_Q313B5 L P P E V R L S A A P L I E E G I L A A A V A A A A G A S L D D D V Q A E A E S A L

UniRef90_A0A010Z1L2 L D K K V E M V D C P L V E E G A V V A S I D A A A G M D F E T I K G D E A K

UniRef90_R2QTL1 L E K K Y V L V D A P L V E E G A F A A G I T A S V S D D L E E H I L T E A K N A

UniRef90_UPI0003624238 L D K A V R I A D A P L V E E G A Y A A V V E A G M G S L L E E V V Q S S E R A F

UniRef90_UPI00040FB243 L P E N V V L A H A A L V E E G A V A A A V T A Q S G A D L E L V K K A E T A F

UniRef90_D9TYS9 L G E K V K I A D A P L V E E G A I A A S V E A S I G S D I L K V K A V A E A A K

UniRef90_E3GPD0 S D E K L K I V D T P V V E E G T I F G A V E A S I G S S M E Q I M D V L A Q A K

UniRef90_I7JFV6 Y E G K Y Q V V D A P I V E E G S F T A A V K L S V G G S I E E I V E E L K

UniRef90_K9V888 L P E E V Y L C E A P L V E E G A I A A T I S A A A G N D L E S Q V I

UniRef90_A0A023X2S7 L D D R T R L V N A P F V E E G A F A A G V A A A A G S D L E E C L E A A D Q A R

UniRef90_UPI000469D2A4 L D D E M R M S A P L V E E G T M A A V V A A A A G L S A Q Q V L Q E A E A A L

UniRef90_X0PFD3 S P W V I Q R Y D T A F V E E S A Y S A A A L A Q A G V G R S E I E T Q L K P L I

UniRef90_I8AMQ2 Y S G N I L T F C D V P F L E E G A F V A A I T A S T R M G Q N L D E I I L A L Q S

UniRef90_G4L518 L E E R Y L V E A P L V E E G A F A A A I T A S T T S D V Q Q V L S E A Q N A

UniRef90_H0DJ54 Y E G N Y V K V A A P I V E E G S F T A A V K L S T G A S L D E A L E E V K K

UniRef90_A0JRA5 L P D P V L L A D A P L V E E G L V A A A V A A Q S G A D A T G V K Q A E

UniRef90_Q4L474 Y E G S H H I I D A P I V E E G S F T A A V K L S V G G T T D E V K E V A Q T S

UniRef90_D4MB24 L E E H Y H L V D A P L V E E G A F A A A I T A G V S D D L T Q T L A E A Q N A

UniRef90_U7PEU5 Y D G Q Y R V V E A P I V E E G S F L A S V N I S T G M S Y E Q V V E S V E S

UniRef90_C5EQC8 E G K K V E M V D C P L V E E G A V V A T I D S V G M D F E S I K K A L A G

UniRef90_E4RNI1 L D D E V R L A D A P F V E E G A V I A A V E S G M G N S M E E I L S S I E S A E

UniRef90_A0A016QTK5 L D P R V K V A Q A P L V E E G A V L A A V S A S V G A P L G E V C A E A E T A

UniRef90_F4LVS0 L E E P I Q L A D S P F F E E G A I S A A M E A S V G K S L E E V K A A E N T R

UniRef90_E5YJK1 L D P R V K A C S A P I V E E G T L A A V V A A S A G A S L E E V E R E A Q S A L

UniRef90_U7J6U7 L D P E V K I S T A P L V E E G A V V A A V M A S T G A E L E V V A G E A E K A L

UniRef90_UPI00034AA040 Y E G N Q R I V E A P I V E E G S F T A A V Q L S V G K S I E E T L G E L N K

UniRef90_D8KMN8 Y D D Q V A F V N V P F V E E G A V A A A T A A Q Q G D T L D K V I E A A L S A

UniRef90_R6N9T5 M D E K I Q I A N A P L V E E G A V I A A V E A S F N S D I F S L K K T V E D I I

UniRef90_UPI0003B4BEC8 L P D R V R L C P A P L V E E G T L S A A V Q A S V G A N L D A Y R E A V G A L

UniRef90_L7WY42 Y D G N Y K I V D A P I V E E G S F T A A V K L S I G G N L A D A I E E V K Q T T

UniRef90_UPI0003B671F3 L D D R T R L V D A P L V E E G G V A A S V A A E A G D S L

UniRef90_UPI0002627F7A L P K K I V I C N A P I V E E G S V I A A T E A S G G A S L E E V K S S A E E M

UniRef90_K0YNP3 A D D H L K F I E A P L V E E G A V A A A V R A Q L G D C L N D V A D A A R N A I

UniRef90_D5U492 L D E E V R M T S A P F I E E G G I L N A A I Q S S L G K N I D E V I N S S L E S L

UniRef90_UPI0002D5D295 Y E G D Y K L V D G P I V E E G A F L A S I V S L S T G A T L E E A I S S I E R E F

UniRef90_A6CWC3 L D D E T R L V S A P I V E E G T M A A S V A A A A G L P I E A V I A S S A L

UniRef90_I6XPN5 V E D N A L L V A A P F V E E G L L A A S T V R A A T G G T R E E V A D E A R A A L

UniRef90_S2Z571 S D E R I R F V D T C L V E E G A V A S V R A Q L G E D L D Q V A D V A A A L

UniRef90_D4YDR8 V E D H V H L V E G P L V E E G A Y V I G A V Q S T I N R T P D Q L L E A I K E

UniRef90_Q1AX44 L R S R V R L V D A P F V E E G T F A A G V L A S T G A G A G E C V E A A L E A R

UniRef90_R5GMC9 E D R K I K M V D C P V A E E G T I A A A V V A A G G A S L E E V V Q V A Q A S K

UniRef90_Q03DP1 T D K E V K L Y D T A L V E E S A Y T A A A

UniRef90_B0K2Y4 L G E K I R L V D A P L V E E G T I A A A V I Q A S I T N N V S E I I H A A E E S K

UniRef90_C8XFU0 L E D R V V I V D A P F V L A A V S A S I A A N V G S D L R G V D A A E E Q A R

UniRef90_U1EQ42 Y N G K N Q M V D A P I V E E G S F T A A V K L S V G G T L E D T I E E V K N

UniRef90_W0L716	Q A K
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UniRef90_K0FT01	
UniRef90_K9WGR0	T A K
UniRef90_UPI0003F646BF	
UniRef90_C5DA74	
UniRef90_R2VIY8	V K
UniRef90_UPI00037FDB01	Q F K
UniRef90_K9X7X3	V A K
UniRef90_U4TTH3	I K
UniRef90_I3E7W6	
UniRef90_UPI0003471DFA	
UniRef90_B1CB31	T
UniRef90_F4XKL5	T A K
UniRef90_S4CL12	I K
UniRef90_UPI0002BC4120	C A K
UniRef90_C7HTR8	V N K
UniRef90_UPI000379F74C	I K K
UniRef90_R2SFU9	
UniRef90_G5JIV1	
UniRef90_UPI000255BD3F	I K
UniRef90_A0A011QUT1	V K
UniRef90_L8JCD4	C A K
UniRef90_U5MPP9	L N K
UniRef90_UPI00026264B9	
UniRef90_UPI00037BA059	L S K
UniRef90_UPI00036C4CB9	I N
UniRef90_I0JQA5	
UniRef90_UPI0003B6E6DC	E W K
UniRef90_E1R8P8	V P K
UniRef90_F4BL98	I K
UniRef90_UPI00047C8BB5	
UniRef90_U2P233	T A K
UniRef90_U6BBX7	
UniRef90_UPI0002DC96AB	L
UniRef90_B0TAS0	
UniRef90_G7ZT23	
UniRef90_G8PBG0	
UniRef90_UPI00037F7B22	A
UniRef90_R3WKQ2	I K
UniRef90_R6YPP4	
UniRef90_S5A373	V K
UniRef90_Q893Q1	
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UniRef90_UPI00040FB243	T P
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UniRef90_E3GPD0	T
UniRef90_I7JFV6	
UniRef90_K9V888	
UniRef90_A0A023X2S7	T
UniRef90_UPI000469D2A4	E A K
UniRef90_X0PFD3	I K
UniRef90_I8AMQ2	
UniRef90_G4L5I8	
UniRef90_H0DJ54	
UniRef90_A0JRA5	
UniRef90_Q4L474	F K
UniRef90_D4MB24	
UniRef90_U7PEU5	
UniRef90_C5EQC8	
UniRef90_E4RNI1	I I K
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UniRef90_D5U492	T P K
UniRef90_UPI0002D5D295	S K K
UniRef90_A6CWC3	D V K
UniRef90_I6XPN5	G P K
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UniRef90_UPI00037B318B	M	T V R L V V S	H S S K M L	A D G G A E L A A Q	M A P D V L I L P A A G G T D D G
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UniRef90_D3QF68		I V L V S	H S S E A I	A N G T K D L L K D	I S K D V N I I A Y G G E N H
UniRef90_S1NJQ0	M	K K S I F L L V S	H S S K E I	T D D G T K A M V E	Q M A Q E V A I F S L G G T A E G
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UniRef90_UPI00047C5AE2	M	T V G I V L V S	H S S P A L	A D A V A H L V G	E L A P D V A V R A A G G T D D G
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UniRef90_UPI000364E202	M	S V A L V I V S	H S S V K L	A E G G V V E L A E	Q M A K D V Q L R A A A G G T D D D
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UniRef90_R2V KU3	M	K K A I L L V S	H S S L K I	T D D G T K E M I E	Q M A Q S L Q I F S L G G T S E G
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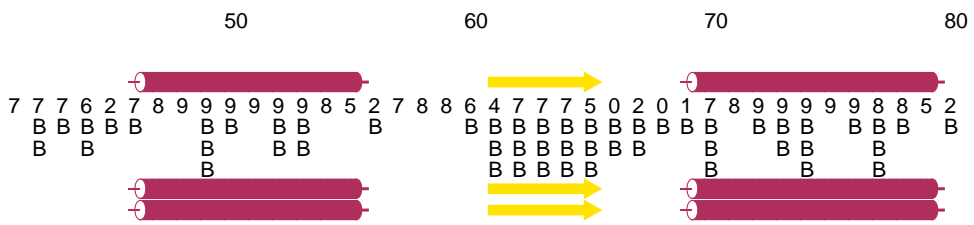
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UniRef90_D5ZYA8		V	G	I	V	L	V	S	H	S	A	T	V	A	A	S	V	A	E	L	A	K	G	L	A	G	A	G	A	V	P	V	A	P	T	E	S	G				
UniRef90_UPI000380CCC6		I	G	I	V	A	V	S	H	S	A	R	L	G	E	A	A	L	E	L	A	L	Q	M	V	Q	G	V	Q	V	A	A	G	A	G	V	D	A	D			
UniRef90_A0A024YQR4	R	V	G	V	V	L	V	S	H	S	A	Q	V	L	A	E	S	V	A	E	L	A	R	G	L	A	A	G	G	A	V	A	P	V	A	A	A	G	A	G		
UniRef90_A9G637		V	G	L	V	L	V	S	H	S	R	Q	L	A	E	A	T	R	A	L	A	R	Q	M	T	G</																

UniRef90_UPI000419B305 G L G T S P D A V E R A V E A A S G D V L L L A D L G S S V L T A G M V A E D
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UniRef90_UPI0003657C2A G L G T D A A G K I T A A A R A S V D G A G V A V L A D L G S S A V L T V K A L L D E M
UniRef90_UPI000255F866 T T G T D A V A I A A A D E A S Q G G A G V L V L V D L G S S A V L T S T E M A L L E F
UniRef90_E8NAC7 D L G T D A A V A I A A A I D E A S G G A G V L V L M D L G S S A I L S A E T A L L E F
UniRef90_F4CR83 T F G T D A A Q I M T A I I E A A D G A G V V V L M D L G S S A V L T S A E L A V E M E E
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UniRef90_W9B5T7 T F G T D A A D I V D A T D A D S G D G T V V L M D L G S S A V L T S A E L A D D E E
UniRef90_UPI00035CBA06 G L G T S L D L V E A A V R E V D G G V L L V P D L G S S V L T A R M L E E E
UniRef90_UPI000476DC8C G I G T D I E E I V E A V E E V D D G V I I I G D V G S S L M N A K M A L L E V
UniRef90_UPI000474467B G L G T S E E L I V E A A H R M D G A G V A L L V D L G S S A V L T V K A L L D E D E
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UniRef90_J0N2V8 G L G T D T T E V G A A I E A A D D G E G V L V L A D L G S G I M S A E T A L L E L
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UniRef90_J8TQ00 G I G T N A L D I K K A I E S V Y T E G V V I L F D L G S A L M N S E M A T L E L
UniRef90_UPI00037DF19B G L G T S A E L I S T A A A S V D G A G V A V L V D L G S A V L T V K S L L D E D E
UniRef90_UPI000348615B G L G T S P D L V A E A A R A D G A G V V V I P D I G S A V L T A R L V L L D E D E
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UniRef90_F9ZQA3 G L G T D A T A I L A L E D G D A G V L L L D L G S A L L S A Q T A L S L
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UniRef90_UPI000364CB85 T F G T D A A A I A E A V T A D D G D G V V V L M D L G S A V L S A E F A L E L
UniRef90_Q9F676 T S Y T K I S E A I D E V Y S D G V A V L M D M G S A V M T T E I V I E D
UniRef90_D4KH31 S F G T D S A K I C A R A I E E A D D G A G V I I T D V G S S I T S A G L A I D E Q
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UniRef90_U1PG09 G I G T D P N A I T E A G S T D E D D D V L L V D L G S A V M N A E L A I T E M
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UniRef90_UPI0003792596 G L G T S L D A I Q E T L E E V A G G G V V V L G D L G S S V L T V I E A A L E L
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UniRef90_UPI0003B5E51 L G T A S T Q V S A V M E K M S E Q G A I V L M D F G A R L A C Q Q V I T D
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UniRef90_V6DRB3 G I G T V P E D G S D A G D E N G D G P V V V L V D L G S A V M N A D I A V E L
UniRef90_C6VHH0 G L G T D Y A A V V I E L A D A D G G G G V V V L F D L G S A R M V A D I A V E L
UniRef90_C7LYL6 E L G V S V E L V A D A G L L E G G G E V V V V A D L G S S V L A A E A A V E L
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UniRef90_UPI000377FC19 G L G T S A E L I T A A A S V D G A G V A V L V D L G S A V L T V K A M L D E
UniRef90_S4XTL2 L G T D A T A I A A I E R V C G P A G A V V L M D L G S A I L S A E T A L L E L
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UniRef90_D5DC39 P L T V S P V E I V D R L I Q D E G E G V L M L V D M G S L A M L E S K L E
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UniRef90_ROG047 P L D M N P D R V R A A D Q G E G V L L L V D M G S L S T F G P K I T E E
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	90	100	110	120
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UniRef90_UPI0003657C2A	L P P G T R L V D A P F V E G	A V A A V V T A S T G		
UniRef90_UPI000255F866	V D P R V V V S S A P L V E G	L I A A T V A A G T G A D L A T C A T E A R R G L		
UniRef90_E8NAC7	V P D R V R L S P A P F V E E G			
UniRef90_F4CR83	L D E R V L L C A A P F V E E G			
UniRef90_W2EYE3	S P G S V V I A D V P F V E E G	A S A V V A A G G G A S L D G V L A A A E E A		
UniRef90_W9B5T7	V R E R V V L C P A P L V E E G			
UniRef90_UPI00035CBA06	P G R I V V A D V P F V E E G	A A A V T A G T G M P L S G V L A A A D E A R		
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UniRef90_UPI000474467B	L P D P A R L V D A P L V E E G			
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UniRef90_J0N2V8	I D P R V H L S S A P V V E E G	L I G A Y A A A G V G K A L D A V V I E A E A S V		
UniRef90_D9VH41	L A D P A V V V D A P L V E E G	A V A A V A A Q G G A N T K A V G E A A A S A		
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UniRef90_G4HU70	L D G R V T L C S A P L V E E G	L V A A V V T A A A G A P M P E V V A E A L R G L		
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UniRef90_UPI0002FAFBBE	M Q G D I R V V D A P F V E E G	S L A A C M V L S M G S S		
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UniRef90_UPI0004773515	E P P Q V R L V D A P F V E E G	A A A K V A A G S G A E L S M V A T A A E E A		
UniRef90_UPI000364CB85	L D D D A R L C P A A L V E E G			
UniRef90_Q9F676	K D D K V R M L D C P L V E E G	A V L A A V E S T G G I S L D E L A E K I K E		
UniRef90_D4KH31	L H Q R V K I A D A P L V E E G	A I A A S E A A K G S D L M T V L N V T E T A K		
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UniRef90_D0R2Z9	S D K K V H L Y D T A L I E G	A Y T A A S L I Q A G V G L D E I E A Q I K Q L T		
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UniRef90_U1PG09	I D N T V R I A D A P V L E E G	A L N A T V E A S S S A T V E S V V A A A E D A		
UniRef90_A3YTX7	L P E R V V I C A E P L V E E G	A V A A A E A S G G S D L A A V R A M A E A L		
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UniRef90_UPI0002EADFB4	L P E P A R L V D A P L V E E G	A I A A V T A S G G		
UniRef90_Q82NL6	L P E N T R L V D A P F V E E G	A V A A V V T A S A G G D L		
UniRef90_UPI00045EB5E7	L D A R V R V P D A P L I E G	A V A A V V T A Q Q G G D L		
UniRef90_M3C3U6	G E A D A R L V D A P F V E E G			
UniRef90_A6BC96	M Q			
UniRef90_UPI00036BBE92	V P E R V R L S P A P L V E E G	L V A A V V T A A T G A P L D A V L E E A G R G L		
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UniRef90_A0A024YQR4	L P P D S R L V D A P F V E E			
UniRef90_A9G637	I D P R T R L T G G P I V E E G	A V A A A V R A A A G G T L D Q V A A E A R Q A L		
UniRef90_W8A7B7	L E S E V K L S A A P L V E E G	L L S A L A A A G G G A D L A T V A R E A E G A L		
UniRef90_UPI0003C77778	L P A G T R L V D A P F L E E G	A V A A V V T A A A G G D L D		
UniRef90_B5E4R6				
UniRef90_UPI000378BE09	T P H E R V R L C A A P I V E E G			
UniRef90_UPI0003B55E51	L G E R L U P I L G R G P L I E G	A A G A V A A A Q G A D L T E V L R S I S A A		
UniRef90_E4N8B7	A D E H T R F A D A P F V E E G	A A V A T A T A G G D L A A V L D A A E E		
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UniRef90_C7LYL6	I G P R V R V L R V P M L E E G	F I A A A M A L T V		
UniRef90_H8H0M3	E R P H V R V A D A P L V E E G	A V L A A V A A T G G D L D S V A N E A A T		
UniRef90_U1PRC9	V D N A V H I A D A P V L E E G	T L N A A V E A S S S A T A D S V V A A A E D A		
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UniRef90_W1BBJ2				
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UniRef90_S4XTL2	V D P R T R L T G G P I V E E G	A V A A V R A A A G G T L D Q V A A E A R R A L		
UniRef90_F8JV62	L P E G T R L L D A P F V E E			
UniRef90_V6KYA7	L P E G S A L L D A P F V E E			
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