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50 60 70 80

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

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

QUERY UniRef90_I2JIF2 UniRef90_V4PZM4 UniRef90_UPI0003648F7A UniRef90_UPI0003007B54 UniRef90_G8AX37 UniRef90_A4BGZ3 UniRef90_A0A024IME5 UniRef90_UPI0003636C95 UniRef90_F6IEZ7 UniRef90_D8MMI7 UniRef90_W6KQJ7 UniRef90_J2ZND0 UniRef90_HOBS84 UniRef90_F3KXD2 UniRef90_G2IV21 UniRef90_H2IKE6 UniRef90_A0A059KGC8 UniRef90_V3T6C1 UniRef90_F2IWW0 UniRef90_UPI000346A202 UniRef90_UPI000262CA05 UniRef90_A1VNV8 UniRef90_B6B076 UniRef90_F2K361 UniRef90_UPI00025596AF UniRef90_E6V1M2 UniRef90_A0A009FEV0 UniRef90_M3AFP2 UniRef90_UPI0004766232 UniRef90_V5PWW2 UniRef90_A0A016XGV5 UniRef90_M7NG01 UniRef90_D5BSD2 UniRef90_E1TEE0 UniRef90_Q1YUH1 UniRef90_F2LK28 UniRef90_H6RIT4 UniRef90_UPI000300E439 UniRef90_UPI0003B6B892 UniRef90_M4ZCJ9 UniRef90_A4YP98 UniRef90_M3EPC4 UniRef90_W8X940 UniRef90_B5SAZ6 UniRef90_B3QGZ1 UniRef90_UPI0002FA6F17 UniRef90_UPI000466812B UniRef90_K6DCV8 UniRef90_G6EGK0 UniRef90_UPI0003B76E88 UniRef90_A4WI99 UniRef90_UPI00046D8AFC UniRef90_D5WS35 UniRef90_G2NU08 UniRef90_C1DF19 UniRef90_B2DD13 UniRef90_UPI00035F84FC UniRef90_C4B8G4 UniRef90_S2WU94 UniRef90_A0A022FYD2 UniRef90_C7DQZ7 UniRef90_G6EGM0 UniRef90_W3XNL8 UniRef90_W6JQC6 UniRef90_X0QC6 UniRef90_UPI00037DB479 UniRef90_UPI00041C44DA UniRef90_C1PHX0 UniRef90_UPI0003B4A99E UniRef90_Q84IG7 UniRef90_UPI0003B42B77 UniRef90_UPI00031FBBB7 UniRef90_UPI00037A275C UniRef90_F6EF48 UniRef90_S3MUJ4 UniRef90_UPI000371CE2A UniRef90_UPI0003B66582 UniRef90_A0A023C948 UniRef90_UPI000371FABC UniRef90_Q9F9U5 UniRef90_B5XQJ0 UniRef90_A0A014MAY6 UniRef90_UPI000368AD71 UniRef90_UPI00039ECB41 UniRef90_N9QUY0 UniRef90_A0A031JTR0 UniRef90_R9JJW1 UniRef90_U3GTJ9 UniRef90_UPI000375A668 UniRef90_A5VED5 UniRef90_A0A024QWK3

90 100 110 120

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

QUERY	Q	M	D	V	D	H	G	C	T	130	L	S	M	F	G	E	P	140	W	P	C	K	V	I	P	F	P	V	N	V	V	T	Y	P	P	P	S	S						
UniRef90_I2JIF2	S	L	D	V	D	H	G	L	T	V	V	L	S	L	M	F	G	Q	P	E	E	E	W	P	C	K	V	I	P	V	A	V	N	V	V	L	Y	P	P	P	S	S		
UniRef90_V4PZM4	K	M	D	V	D	H	G	L	T	V	V	L	S	L	M	F	G	Q	P	E	E	K	W	P	C	K	V	I	P	F	A	V	N	V	V	L	Y	P	P	P	S	S		
UniRef90_UPI0003648F7A	E	M	D	V	D	H	G	L	T	V	V	L	S	L	M	F	G	Q	P	E	E	W	P	C	K	V	I	P	F	A	V	N	V	V	L	Y	P	P	P	S	S			
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UniRef90_G8AX37	E	M	A	V	D	H	G	F	T	V	V	M	A	L	L	M	F	G	Q	P	E	A	W	P	V	R	V	I	P	I	A	V	N	V	V	L	Y	P	P	P	S	S		
UniRef90_A4BGZ3	E	M	D	I	D	H	G	C	T	V	V	L	S	L	M	F	G	Q	P	E	E	A	W	P	C	K	V	I	P	I	A	V	N	V	V	L	Y	P	P	P	S	S		
UniRef90_A0A024IME5	Q	M	T	V	D	H	G	L	T	V	V	L	S	L	V	L	F	G	Q	P	E	E	S	W	P	C	K	V	I	P	I	A	V	N	V	V	L	Y	P	P	P	S	S	
UniRef90_UPI0003636C95	D	M	K	V	D	H	G	C	F	S	P	L	S	L	L	W	P	H	E	G	G	W	P	G	S	I	V	P	I	L	Q	C	G	N	V	I	Q	Y	F	P	P	S	S	
UniRef90_F6IEZ7	E	M	D	V	D	H	G	L	T	V	V	L	S	L	M	M	Y	G	A	P	E	A	W	P	V	K	V	I	P	I	L	A	V	N	V	V	L	Y	P	P	P	S	S	
UniRef90_D8MMI7	D	K	P	L	D	H	G	L	F	S	P	L	S	A	L	A	P	C	D	N	G	W	P	M	Q	V	V	P	I	L	A	V	N	V	V	L	Y	P	P	P	S	S		
UniRef90_W6K0J7	E	M	E	V	D	H	G	L	T	V	V	M	S	L	M	F	G	Q	P	E	E	D	T	W	P	V	K	V	P	F	H	A	V	N	V	V	L	Y	P	P	P	S	S	
UniRef90_J2ZND0	E	M	D	V	D	H	G	L	T	V	V	L	S	L	M	F	G	Q	P	E	E	D	R	W	P	V	K	V	P	I	L	A	V	N	V	V	L	Y	P	P	P	S	S	
UniRef90_H0BS84	D	L	Q	V	D	H	G	L	T	V	V	M	N	L	L	F	G	S	P	E	A	W	P	V	K	V	I	P	F	H	A	V	N	V	V	L	Y	P	P	P	S	S		
UniRef90_F3KXD2	G	K	P	L	D	H	G	C	F	S	P	M	S	M	L	C	T	P	G	K	D	W	P	V	P	I	V	P	I	L	Q	V	N	V	V	L	Y	P	P	P	S	S		
UniRef90_G2IV21	D	K	A	L	D	H	G	C	L	S	P	L	S	M	L	N	R	S	K	T	A	W	D	T	P	I	V	P	I	L	A	V	N	V	V	L	Y	P	P	P	S	S		
UniRef90_H2IKE6	E	M	K	V	D	H	G	L	T	V	V	M	Q	L	L	W	P	N	Y	S	Y	D	N	V	Q	V	I	P	I	L	C	I	N	C	E	Q	H	P	M	P	S	S		
UniRef90_A0A059KGC8	E	M	V	D	H	A	F	T	L	P	P	M	A	L	L	W	P	Q	A	W	P	V	K	V	V	P	I	P	I	L	C	I	N	T	V	Q	F	F	P	P	P	S	S	
UniRef90_V3T6C1	D	K	P	L	D	H	G	L	F	S	P	L	S	A	L	W	P	F	K	D	G	W	P	T	R	V	V	P	I	L	E	Q	V	N	V	V	L	Y	P	P	P	S	S	
UniRef90_F2IWW0	D	R	P	L	D	H	G	V	F	S	P	L	L	L	W	P	H	D	D	K	W	P	G	A	V	V	P	I	L	E	Q	V	N	V	V	L	Y	P	P	P	S	S		
UniRef90_UPI000346A202	E	M	L	V	D	H	A	F	T	L	P	M	A	L	L	W	P	E	Q	D	W	P	V	V	V	V	P	I	L	C	I	N	T	V	Q	F	F	P	P	P	S	S		
UniRef90_UPI000262CA05	S	M	D	L	D	H	G	F	T	V	V	L	S	V	A	Y	G	Q	S	E	W	P	T	A	V	V	P	I	L	C	I	N	T	V	Q	F	F	P	P	P	S	S		
UniRef90_A1VNV8	K	M	D	V	D	H	G	L	T	V	V	L	S	L	M	F	G	Q	P	P	A	W	P	C	K	V	I	P	F	A	V	N	V	V	L	Y	P	P	P	S	S			
UniRef90_B6B076	E	M	E	V	D	H	G	L	T	V	V	M	S	L	M	F	G	Q	D	D	D	D	Y	W	P	C	K	V	P	I	L	C	I	N	T	V	Q	F	F	P	P	P	S	S
UniRef90_F2K361	E	M	K	V	D	H	G	L	T	V	V	L	S	L	M	W	P	G	N	D	Y	G	H	V	K	V	I	P	I	L	C	I	N	C	E	Q	H	P	M	P	Q	S	S	
UniRef90_UPI00025596AF	E	I	E	V	D	H	G	L	Q	V	P	M	E	L	F	F	G	R	P	E	N	W	P	V	K	V	V	P	I	L	W	V	N	T	I	Q	Y	F	P	P	P	S	S	
UniRef90_E6V1M2	D	R	A	L	D	H	A	F	T	L	P	M	S	L	L	C	P	H	E	P	A	W	P	V	K	V	V	P	I	L	Q	E	V	N	V	V	L	Y	P	P	P	S	S	
UniRef90_UPI0009FEV0	D	K	P	L	D	H	G	V	F	S	P	L	L	L	W	P	H	E	P	A	W	P	G	V	I	V	P	I	I	E	L	Q	V	N	V	V	L	Y	P	P	P	S	S	
UniRef90_M3AFP2	E	M	L	V	D	H	A	F	T	L	P	L	E	L	L	W	P	K	R	N	A	G	L	R	T	V	P	I	L	C	Q	N	T	V	Q	F	F	P	P	P	S	S		
UniRef90_UPI0004766232	E	M	V	D	H	G	L	T	V	V	P	L	S	L	V	Y	G	E	L	D	E	W	P	V	K	V	I	P	I	L	A	I	N	V	V	L	Y	P	P	P	S	S		
UniRef90_V5PWV2	D	K	P	L	D	H	G	C	L	S	P	L	L	L	W	P	H	E	P	A	W	P	G	V	I	V	P	I	I	E	L	Q	V	N	V	V	L	Y	P	P	P	S	S	
UniRef90_A0A016XGV5	E	M	L	V	D	H	A	F	T	V	P	L	K	L	L	W	P	Q	E	H	C	P	V	T	T	V	P	I	L	C	I	N	T	V	Q	F	F	P	P	P	S	S		
UniRef90_M7NG01	E	L	D	V	D	H	G	L	T	V	V	L	S	V	Y	C	P	E	P	A	E	Q	W	P	C	K	V	I	P	I	L	V	N	V	L	Y	P	P	P	S	S			
UniRef90_D5BSD2	N	M	P	V	D	H	G	L	T	V	V	L	S	V	A	Y	D	A	P	E	A	W	P	V	K	V	I	P	I	L	C	V	N	V	V	L	Y	P	P	P	S	S		
UniRef90_E1TEE0	D	R	P	L	D	H	G	C	N	S	P	L	S	L	M	L	P	H	A	A	G	W	P	L	A	L	V	P	I	L	E	V	N	V	V	L	Y	P	P	P	S	S		
UniRef90_Q1YUH1	E	M	D	V	D	H	G	L	T	V	V	L	S	A	I	F	G	P	D	S	W	P	A	L	L	V	P	I	L	M	L	N	V	V	L	Y	P	P	P	S	S			
UniRef90_F2LK28	N	K	P	L	D	H	G	C	F	S	P	L	S	M	L	C	P	N	R	P	S	W	P	V	Q	L	V	P	I	L	Q	M	G	V	L	Y	P	M	P	S	S			
UniRef90_H6RIT4	E	L	E	V	D	H	G	L	T	V	V	L	S	V	W	T	P	D	P	D	A	W	P	C	K	V	V	P	I	L	L	V	N	V	V	L	Y	P	P	P	S	S		
UniRef90_UPI000300E439	Q	M	D	V	D	H	G	L	T	V	V	L	S	V	M	Y	G	Q	P	R	E	A	W	P	C	K	V	I	P	I	L	A	V	N	V	V	L	Y	P	P	P	S	S	
UniRef90_UPI0003B6B892	K	M	K	V	D	H	A	L	S	I	P	F	E	L	A	Y	P	D	V	A	A	W	P	V	K	V	I	P	I	L	A	I	N	T	V	Q	Y	F	P	P	S	S		
UniRef90_M4ZCJ9	E	M	A	V	D	H	A	F	T	L	P	M	A	L	L	W	P	D	Q	K	W	P	V	R	V	V	P	I	V	V	V	N	T	V	Q	A	P	L	P	S	S			
UniRef90_A4YP98	G	K	P	V	D	H	G	L	T	V	V	L	S	M	M	G	D	A	P	E	S	W	P	G	T	V	V	P	I	L	Q	V	N	V	V	L	Y	P	P	P	S	S		
UniRef90_M3EPC4	D	L	A	V	D	H	G	L	T	V	V	L	S	V	Y	C	P	A	D	P	E	S	W	P	C	A	V	P	I	L	L	V	N	V	V	L	Y	P	P	P	S	S		
UniRef90_W8X940	E	A	L	V	D	H	S	V	S	L	P	L	A	L	L	W	P	H	A	A	G	W	P	L	A	L	V	P	I	L	E	V	N	V	V	L	Y	P	P	P	S	S		
UniRef90_B5SAZ6	D																																											

QUERY UniRef90_I2JIF2 UniRef90_V4PZM4 UniRef90_UPI0003648F7A UniRef90_UPI0003007B54 UniRef90_G8AX37 UniRef90_A4BGZ3 UniRef90_A0A024IME5 UniRef90_UPI0003636C95 UniRef90_F6IEZ7 UniRef90_D8MMI7 UniRef90_W6KQJ7 UniRef90_J2ZND0 UniRef90_HOBS84 UniRef90_F3KXD2 UniRef90_G2IV21 UniRef90_H2IKE6 UniRef90_A0A059KGC8 UniRef90_V3T6C1 UniRef90_F2IWW0 UniRef90_UPI000346A202 UniRef90_UPI000262CA05 UniRef90_A1VNV8 UniRef90_B6B076 UniRef90_F2K361 UniRef90_UPI00025596AF UniRef90_E6V1M2 UniRef90_A0A009FEV0 UniRef90_M3AFP2 UniRef90_UPI0004766232 UniRef90_V5PWV2 UniRef90_A0A016XGV5 UniRef90_M7NG01 UniRef90_D5BSD2 UniRef90_E1TEE0 UniRef90_Q1YUH1 UniRef90_F2LK28 UniRef90_H6RIT4 UniRef90_UPI000300E439 UniRef90_UPI0003B6B892 UniRef90_M4ZCJ9 UniRef90_A4YP98 UniRef90_M3EPC4 UniRef90_W8X940 UniRef90_B5SAZ6 UniRef90_B3QGZ1 UniRef90_UPI0002FA6F17 UniRef90_UPI000466812B UniRef90_K6DCV8 UniRef90_G6EGK0 UniRef90_UPI0003B76E88 UniRef90_A4WI99 UniRef90_UPI00046D8AFC UniRef90_D5WS35 UniRef90_G2NU08 UniRef90_C1DF19 UniRef90_B2DD13 UniRef90_UPI00035F84FC UniRef90_C4B8G4 UniRef90_S2WU94 UniRef90_A0A022FYD2 UniRef90_C7DQZ7 UniRef90_G6EGM0 UniRef90_W3XNL8 UniRef90_W6JQC6 UniRef90_X0QC6 UniRef90_UPI00037DB479 UniRef90_UPI00041C44DA UniRef90_C1PHX0 UniRef90_UPI0003B4A99E UniRef90_Q84IG7 UniRef90_UPI0003B42B77 UniRef90_UPI00031FBBB7 UniRef90_UPI00037A275C UniRef90_F6EF48 UniRef90_S3MUJ4 UniRef90_UPI000371CE2A UniRef90_UPI0003B66582 UniRef90_A0A023C948 UniRef90_UPI000371FABC UniRef90_Q9F9U5 UniRef90_B5XQJ0 UniRef90_A0A014MAY6 UniRef90_UPI000368AD71 UniRef90_UPI00039ECB41 UniRef90_N9QUY0 UniRef90_A0A031JTR0 UniRef90_R9JJW1 UniRef90_U3GTJ9 UniRef90_UPI000375A668 UniRef90_A5VED5 UniRef90_A0A024QWK3

170 180 190 200

G K R C F A F G D S A L R A A A E S F P F D E D L N N V V H V W G T G G G M S H Q Q L Q Q G G P P R R
G K R C F A F G D S A L R A A A E S F P F D E D L N N V V H V W G T G G G M S H Q Q L Q Q G G P P R R
G R R C Y D N L G G K A I R R K A I V E D S F F D E D L N N V V Q Q V W G T G G G M S H Q Q L Q Q G G P P R R
G R R C Y D N L G G K A I R R K A I V E D S F F D E D L N N V V Q Q V W G T G G G M S H Q Q L Q Q G G P P R R
G N R C W D L G G E A I R R A A V A S F F P P E D L L N N V V V Q V W G T G G G M S H Q Q L Q Q G G P P R R
P A R C F K L G G E A I R R A A V A S F F P P E D L L N N V V V Q V W G T G G G M S H Q Q L Q Q G G P P R R
G K R C F D L G G K A I R R K A V E S Y D K D I K K V V V A I F G T G G G M S H H Q Q L Q Q G G E R R R
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A R R C F K L G G E A I R R R A V E S F Y P G E D L L N V V V L V I W A T G G G L S H H Q Q L Q Q G G E R R R
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G N R C F K L G G E A I R R K A V E S Y S Y S K E D P I K K V V V Q V W G T G G G M S H H Q Q L Q Q G G P P R R
G Q R C F A L G G Q A I R R R A V E S F Y D A D P L K K V V V Q I W G T G G G M S H H Q Q L Q Q G G P P R R
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P K R C Y D L G G K Q I A A A V E S F D Q D D L K V V V A I V A T G G G L S H H Q Q L D D G G E R R R
A A R C Y K L G G Q A V G R R A I R S Y W A P D D A R N V V M V L G T G G G L S H H Q Q L H H G G E R R R
A K R C Y K L G G Q A L R R R A I V E S S Y P P E D L L T V V V A V V G T G G G L S H H Q Q L H H G G E R R R
A M R C F K L G G Q A L R R R A V E S S Y P P E D L L T V V V A V V G T G G G L S H H Q Q L H H G G E R R R
U P I 0 0 0 3 4 6 A 2 0 2 A R R C Y K L G G E A I G Q A V R A W P D D K R V V G I L G T G G G L S H H Q Q L L E G G E R R R
U P I 0 0 0 2 6 2 C A 0 5 G K R C F N L G G K A I R R K A V E S F D Q D P L N V V V Q I W G T G G G M S H H Q Q L Q Q G G P P R R
G N R C F K L G G K A I R R K A I D D S F D D E D L N V V M I F G T G G G M S H H Q Q L Q Q G G A E R R R R
P W R C F E L G G K S I G K A I D D S F D D E D M T V V V A L F G T G G G L S H H Q Q L Q Q G G A E R R R R
P Q R C W E M G K V L R E A I E S S F P T D E R V V V I M G T G G G L S H H Q Q L Q Q G G S R R R R R
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P K R C L A F G R A I G K A I E S W D S D A R V V V V L G T G G G L S H H Q Q L D D G G E R R R
G R R C Y E L G G Q A I R R R A I D K Y G D P E N V V Q I W G T G G G M S H H Q Q L H H G G E R R R
G R R C Y R L G G Q A V R R R A I E S S Y P P E D L R V V V V V G T G G G L S H H Q Q L H H G G E R R R
A R R V Y A L G G K A V G E A I R S W G S D Q R V V V V V G T G G G L S H H Q Q L D D G G E R R R
A Q R C L A L G G E A I G R A I R S F P G D D L K V V V S I F G T G G G M S H H Q Q L S Q G G E R R R
A K R C H D L G G V A I R R K A I H S Y G G E D I L N V V V V W G T G G G L S H H Q Q L S Q G G E R R R
A N R C F R L G G Q A I R R R A V E S F E E D L D V V V V V G T G G G L S H H Q Q L V H H G G E R R R
G D R C F R L G G Q A I K R R A V E S F Y P P E D L L N V V V Q I W G T G G G M S H H Q Q L H H G G E R R R
A R R F Y K L G G Q A L R R R A V E S S Y P P E D L L R V V V I V A T G G G L S H H Q Q L H H G G E R R R
A A R C Y A L G G Q A I G R A V A A Y P K D D I T V V G I L G T G G G M S H H Q Q L A G G A E R R R R
G N R C F N L G G K A I R R K A V E S W F Q D D I T V V A I F G T G G G L S H H Q Q L A Q D G A E R R R R
P Q R C Y D L G R A V H R A L Q S W P D D D T R V V V V I G S G G L S H H Q Q L H H G G E R R R
A A R C Y K L G G Q A L A R A I E S W P G D D Q R V V V V M G T G G G L S H H Q Q L D D G G E R R R
A K R M W K L G G K T L R K A I E S S Y P P E D L L K V V V A I F A T G G G L S H H Q Q L H H G G E R R R
A A R C L A L G R A L G E A I R S F P P E D L L K V V V A V F G T G G G M S H H Q Q L H A G A E R R R R
A A R C Y R M G G Q S L R R R A V E S W D D D R R V V V I A S G G L S H H Q Q L A D G G E R R R
A R R C Y K L G G Q A I R R R A V E S S Y P P E D L R V V V I V A T G G G L S H H Q Q L H H G G E R R R
L R R C F K L G G Q A I G R A V E S S Y P P E D L L K V V V I V G T G G G L S H H Q Q L H H G G E R R R
P G R L F R L G G K A L R R R A V E S S F P P R D M D V V V L G T G G G L S H H Q Q L H H G G E R R R
S Q R L F H N F G G K S I R R K A I E S S F P G D D D R I L V V A S G G L S H H Q Q L S G A R R R R R
M D R C F K L G E I V R K A I E S W D Q D L K V V A I V A S G G L S H H W V P R I K
S R R A Y D I G R S I K R A V E S W G G N E R V V I Y I G T G G G L S H H W V G S P G
G S R C W A L G E A I A R A V A S Y E E D L N V V Q L W G T G G G M S H H I Y C R W
L R R R G Y Q L G A L R E L V E Q F E D L R V V A A L A T G G G L S H H D P G G P S
L A R A W E L G G Q Q I R R R A I D A F D Q D D E R V V V I G S G G I S H H W V G G D E N
M K R C V K L A Q V I R E T I E T L P E N D R R V V A V I G T G G G L S H H W L P P G D E N
L E R C E K L G R A I R E A V I J A F G D R R V V A V I G S G G L S H H R L P W P D
F E R A A D L G R Q I R A A V E A F D A D E R V A I I G S G G I S H H W V G T A E K
T E R C L S L A K T I R K L E Q V S E D S R S I I G A G G L S H H W L C V E K
M R R C L Q W G R M L R E A I E S Y P P E D L R I A V L A T A G G L S H H D V A T P
A K E C W K A G E V L G S F I R Q R P E G E R V A I V A A G G L S H H W V G F D D
G Q R C F N L G G R A I R R R A V E S F D E D L N V V Q I W G T G G G M S H H Q L Q G T A E
M E R A L Q V G R H I R D A V S A G P E D E R V V V I G S G G M S H H W V L G T A E
S W R A H E I G R V I G D A V A N W Q G D E R V A I Y I G T G G G L S H H W P G G M A E
S R R A F A L G D S V R R A I E A W P G D E K V V V L G T G G G M S H H W V G D E Q
Y S R A Y A L G E A C R V A A E S L P P G D M K R V V F L C T G G G M S H H W V S P T Q
A A R C H Q L G K V L A D Y A A S R P P E R V A V V G C G G L S H H W P G T P D
F E R C A E L A G A L R A A I A D Y P A D T Q V V V V A S G G L S H H R L P W P
C A R S F E L G K V I R N F I S T R P A D E R V A I V A T G G L S H H W L C L P P E
L A R V H A L G G A I R K A C D A S S D K R I A V L G T G G I S H H W P C L T P D
P K R C W T L G E T E A D F V E R C S S T D R V V V L A A G G L S H H W V G T P P
M R R C V A F G R A L G Q A I R G Y M G S A R A V V V L A T A G G L S H H D V I G T P R
A A R A A Q L G D I V A E A I G D R L P P S H L R V V V A T G G L S H H W L N P G E
S A E C W Q L G G Q M L R R F I E Q R P D T D E R V A L L A C G G L S H H D P G G A P E
A S H C L E V G A Q I A R I V E S F P P S D E R V A L L M T T G G L S H H D P G G L D
P I E S R R L G E M L R A F I D S T P D D D A R V I L L G A G G L S H H W V G M P Q
A R R S M D L G S A V G A F L A D D E R R V L L L G S G G L S H H D P P V P Q
T Q R T V L G R A I G R F I K S L D D E N E R V L L L G T G G L S H H D P P T P Q
P K R C Y E L G R A V R G V L E R S K R A D R V F V I G T G G L S H H Y P G T P Y
L H R A W A F G E A I R A A C D A S L P E K I A L V G T G G L S H H W P A T P S
F K R A R L L G E A I R Q A W K S L L D K R V L F L A S G G L S H H Q P P P Y P E
F Q R T R L L G E A V G R F T R G L N K R V L F L G S G G L S H H Q P P V P E
F E R V R L L G D A V G R F T R G L N K R V L L L G S G G L S H H Q P P V P E
F Q R T R L L G E A M G R F L N T L L N K R V L L L G S G G L S H H Q P P V P E
V Q R T R L L G E A L G R A L L A L D D R R V L L L G S G G L S H H D P P T P Q
F A R V R R F G E A V G R F L G K Q G D E R V L L L G S G G L S H H D P P T P Q
T E R V R L L G A I G E W A K Q G D E R I L M I S S G G L S H H D P P P P Q
T K R T L A L G R A V G Q Y I K S L L E N E R V L V L G T G G L S H H D P P T P Q
Y W R A Y D L G L A V R A A I E A M P D D R R R V L L A T G G L S H H W P V Y T
L T T H Y E L G R R I R E T A E A L G E R R I V I I A S G D L S H H R L G P Y
M E R V R K M G Q A I G A Y L K G R D E R V L F I A S G G L S H H D P P V P Q
L H R A W A F G D A L R G A C D K V T P E R I A L V G T G G I S H H W P A T P D
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L K R V R A L G T A I G E Y L S G V D K R V L L L G S G G L S H H D P P V P T

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250 260 270 280

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E V R C W L I G Q V A A G V P L A W T S Y E P V P E W I T G M G I

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D S L R
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P A R
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P A R
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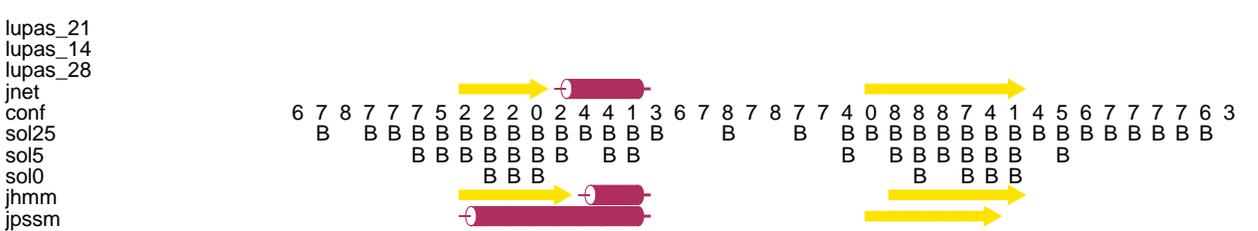
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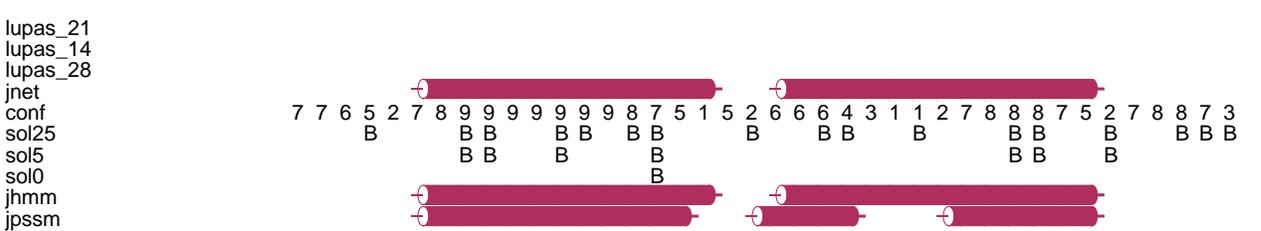
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