

QUERY 1 10 20 30 40
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QUERY	E	N	P	G	L	V	N	K	S	90	C	Y	E	D	G	W	L	I	K	M	T	F	S	N	P	S	E	L	D	E	110	M	S	E	A	Y	E	K	Y	120
UniRef90_E3TEZ6	D	N	P	G	L	V	N	K	S	C	Y	E	D	G	W	L	I	K	M	T	F	S	N	P	S	E	L	D	E	L	M	S	E	A	Y	E	K	Y	I	
UniRef90_W4XKE0	S	T	P	S	L	V	N	K	S	C	Y	E	D	G	W	L	I	K	M	T	F	S	N	P	S	E	L	D	E	L	M	S	E	A	Y	E	K	Y	I	V
UniRef90_H2LTZ5	E	N	P	G	L	V	N	K	S	C	Y	E	D	G	W	L	I	K	M	T	F	S	N	P	S	E	L	D	E	L	M	S	E	A	Y	E	K	Y	I	V
UniRef90_W5GNZ7	E	K	P	A	L	V	N	G	D	C	Y	A	E	G	W	L	I	K	M	T	F	S	N	P	S	E	L	D	E	L	M	S	E	A	Y	E	K	Y	I	C
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UniRef90_Q67N37	S	S	P	E	L	V	N	Q	D	P	Y	G	E	G	W	L	I	K	M	T	F	S	N	P	S	E	L	D	E	L	M	S	E	A	Y	E	K	Y	I	
UniRef90_D7BH25	E	A	P	E	L	L	N	K	N	A	F	Y	Q	D	G	W	L	I	K	M	T	F	S	N	P	S	E	L	D	E	L	M	S	E	A	Y	E	K	Y	I
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UniRef90_R7QNQ4	D	S	P	D	L	I	N	K	T	P	H	D	D	G	W	L	I	K	M	T	F	S	N	P	S	E	L	D	E	L	M	S	E	A	Y	E	K	Y	I	
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UniRef90_C6XV13	D	N	P	E	L	V	N	T	D	P	Y	G	Q	G	W	M	V	K	V	T	V	S	D	A	A	Q	A	E	G	L	L	T	A	D	A	Y	K	A	L	
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UniRef90_D1C3A4	D	S	P	E	L	V	N	S	S	P	Y	E	E	G	W	L	I	K	M	T	F	S	N	P	S	E	L	D	E	L	M	S	E	A	Y	E	K	Y	I	
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UniRef90_T1DNG6	E	T	P	G	L	V	N	S	S	C	Y	E	N	G	W	L	I	K	M	T	F	S	N	P	S	E	L	D	E	L	M	S	E	A	Y	E	K	Y	I	
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UniRef90_D9CJ31	D	K	P	G	T	V	N	T	S	P	Y	E	E	G	W	L	I	K	M	T	F	S	N	P	S	E	L	D	E	L	M	S	E	A	Y	E	K	Y	I	
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UniRef90_Q1GRZ0	E	D	P	A	L	V	N	S	D	P	Y	E	G	D	G	W	L	I	K	M	T	F	S	N	P	S	E	L	D	E	L	M	S	E	A	Y	E	K	Y	I
UniRef90_U5QCB1	N	A	P	E	S	V	N	T	D	P	Y	E	G	D	G	W	L	I	K	M	T	F	S	N	P	S	E	L	D	E	L	M	S	E	A	Y	E	K	Y	I
UniRef90_F2IJN0	A	N	P	E	A	V	N	K	D	P	Y	G	D	G	W	L	I	K	M	T	F	S	N	P	S	E	L	D	E	L	M	S	E	A	Y	E	K	Y	I	
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UniRef90_E3JUJ2	D	Q	A	G	L	L	N	K	S	P	E	D	E	G	W	L	I	K	M	T	F	S	N	P	S	E	L	D	E	L	M	S	E	A	Y	E	K	Y	I	
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UniRef90_S0ESM5	D	S	T	E	V	I	N	E	D	P	Y	G	R	G	W	L	I	K	M	T	F	S	N	P	S	E	L	D	E	L	M	S	E	A	Y	E	K	Y	I	
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UniRef																																								

QUERY	K S I E E
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U n i R e f 9 0 _ U P I 0 0 0 3 B 3 8 6 6 1 M L K F T S E H E W L Q R E G D I L A T T V G I S T A H A A Q E Q L L G D D L V V F V V D L L P
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U n i R e f 9 0 _ K 6 V L 5 7 A E L R F A E S H E W A R R L E G N G T L V T V G I S T S D F A Q Q E A L G D D V V V F V V D L L P
U n i R e f 9 0 _ M 4 K B A 5 U n i R e f 9 0 _ U P I 0 0 0 4 6 9 4 4 4 9 U n i R e f 9 0 _ U P I 0 0 0 2 5 8 D F A C
A D R L Y T D R H E W V T V D G G K I G T V G I S S E K Y A A H A V G G E V V V F V A Q Q E L L P
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E V G A S L S Q G N S F G T V E S V K A A A D D L L P A I S G V I E A R N E A V L L
E E V G R E T V K D D G V V V I E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E E A G S T I A T K S G E T I A G G E V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E E L G S T Y D S K G A E A S T V T V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
T A V V G G R A L L A A G D V A F G G V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V V G D D T V D A G D E T F G G D V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
K T V G G E K V L A K G D S N I G A V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
T E G E E L D K E D E V F G S V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E I D G K E V K A N D D P V A V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
D D V G A A V S A G D D S F G E V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E E L D A A T T A G D D C H D E L A V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
D V V G R E V S A K E Q L L G E V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
T V G G R H Y T D A E A C A V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
K R G G Q K V T L G E V V V A V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
T L D D T V E T A D E V F G S V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
D V V G A E V S A G R E S Y F G T V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E E V G D T I Q V D E P F G S A E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V G G D A V I S A G G E D D V A V A E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
D E G D T L S H D S E A F G G V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V G G A S I E K G D S F G T V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
D V V G D L I A Q D D D S F G S V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
D V V G D E L E A Q D D D S F G S V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
A V V G T A L A P G G G K F G V I E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V D D E F G K E E V F S A V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
D V I G S R W T K G G V A A V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V D D D E I T A K D S E F G A V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
Q S V G T A V F S A G G D L A A V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V G T E V A P G T A I G E V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V G G D V V T A G G Q A A T V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
A V V G A A L E T A G G G E A A V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V E D E V A A G D S F G A V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E P G R S V G S K G E S C A V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V G A D V V A G E S F G E V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
N I G A D H L D A G A T A A V I E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
L I G R E L T K M G A P C A V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
Q V I G D T V T A K D D V V G E V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V V G T V V T A A G D E I V V I E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E E V G D E V E A G E T F S L V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V G V E I N K E D A I A V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V G K E V N K G D V L C E I E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
D L S E A L S K G S T F G T I E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
K R G Q R V S G G E A V A V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
P V G T K V A A H G A V G T V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
T S D L S V K A G E A F G A V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E E G D S V T A G E S F S D V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
D V G S T V T G A E E A G V A E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E A G R A V A K A G D A C A V I E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
S P G E S F K K G D L I G N V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
K I G V K V G Q F D L I G S I E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E L N Q Q V T A H E D S L G S V I E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
T L D E F V E T A E V F G S V I D A V K T T S E F Y A P P L A G T V V E A N S D L L E E L
D E G D E L I K D E R L G T V E E S A Q G V F D L L M P P V T S G D V V E I N S D L L E E L
E T L N R T V A Q K E I A V L E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E L G K T V T A G D T V A V I E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E A G R D V A A E E A V A V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V G R E V A A G E A V A V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
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D I G D A V S K G D S L G T I E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E K G K N V K K E G Q T G V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
H I N T R V H A R E V L G T V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
D E G E S V A Q E E F F G V I E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V D D E V A D E D F G A V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
Q E G D T F A A G D E F G S I E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
Q V V G K K V A K G G E A A V L E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V V G R T Y A K G E V A G V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V G K T V E K G D A E V A V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
K V G A K V S K G D A L V G S I E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
D S G V A V D A G E E C A V I E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E A D D E F E A E E F G G A V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V G A E V T A G S V C G E V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V G T E V T L D D P V G E V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
S E G D S L S A G E N F G A V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E L D S A T D V G E E C A V A E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
N P G E V Y D Q G D E F G Q A E S A K T V S A L Y M P V L S G G E I V T E V N N E E A L L
P I N K R L N Q H E E A C V L E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E V G D H L E L N E T L G S V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E P G T K I T G N E V V G S V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
E L S E F H A D G D N F S L V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
V V G K K A A V G D T I A V V E E S V V K A A A S D D L L Y A M P P I V L S D S G G E I V T E V N N E E A L L
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U P I 0 0 0 3 A 8 C 2 5 0 E V G A Q N T Q A G E T C F G E I E S S T K S A V S D D L Y A P P A D T G G V V I V N E E L V
D 1 N R R 3 E V G D R E F D A N E S I G S V E E S S V K A A S S D E L V Y M P V L K G S T G V I T A V I N N E E L E
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A 1 S Y 7 3 E V G S Q V E C G G V P M G T V E E S S T K S V S D L V Y C P V V T G E V T A I N N E A A T
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D 0 L 0 6 5 E P G T Q I L S A G D D E F V F E I E E S S S K A V E P L I A P V V S G G T I T R Y V N N Q A D V F F
M O M Y 3 3 D E G D E L V E F E Q S M G A I V E E S S T K A A S S D L Y A P V I T T G T V I E K N N S A L V E
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E 1 Q K X 8 G A D S A V T A G E D V C G E I V E E S S T K S V S G G E L Y A P P L T S G K V I V A V N N D A L V
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L 0 A K 5 1 T E I G K T F A S K G D V A G S V V E E S S V K A A S S D I V H M P A S G G E I L E V N N E A L R D E
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U 5 E G L 7 E V G A E L T N R G S S F G T V E E S S V K A V E M Y A P P L S G G V V L Q R N N E A A L V
W 9 C N K 3 A V G T E L T A G E A C G E I V E E S S T K S V S E L V S P A D D G T V V S I N N E A L A G
U P I 0 0 0 4 7 5 0 6 7 C D V G A E L T A G E S C G E I V E E S S T K K S V S D L Y A P V V T G G E V T E I N N Q N A I
F 4 L T 1 1 E V G D K F E A G A S I G S V E E S S V K S A S S E L Y L P V V G G E V V A I N N D V L E
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A 5 G P H 4 E V G A E V T A G E S P C G E L E E S S H K K S V S D I F A P P L T D G T V T A T N D A V V
F 4 C Z 5 0 D A G D D I E A G D S F S L V E E S S V K A A S S D I Y A P I L T S G E I L E I N N E E L E
C 4 L G X 8 A V D D V V L E V G D S F A E I V E E S S T K S V S D E V Y G P F S G V I S A D R N E E I I
U P I 0 0 0 4 7 B 6 9 7 4 E K G E V L K K G D T F G T I E E S S V K A A V E V Y L P F S G V I S A D R N E E I I
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F 6 C 6 0 0 E V G D T V T A G E T C G E I V E E S S T K K S V S D L Y A P P V T G T G S I V E I N P T A V
C 0 W 2 M 6 D V G I E F S A E Q E V A V V E E S S V K A A S S D I N A P I K C K V V V Q G N V L L E
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U P I 0 0 0 3 7 C D 9 8 6 E V G T Q V N K D D E V V V I E E S S V K A A S S D I L A P I I D G G E I V A I N N E P L V
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C 3 P H K 4 G T I D E Y F D K N T V F A T I E E S S I S E V C D L Y M P P L S G T V L A G V N N V L E N
R 7 K 3 B 5 Q I G D K F E Q F D D L G S I E E S S S K A V F E I L S G T V V A V N N V S L L
K 1 L N F 7 Q V G D S V E A G E T C G E I V E E S S T K S V S D L Y S P V V T G T V T A V N N T Q E V L S
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U P I 0 0 0 4 1 7 3 7 9 6
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M 3 U G T 7
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D G E T V A K D E V T L N L E A S K T V M G V L S P L A G R V V A R N L A A V
K V G T E L E Q G K T M G V V E S L S K T V T L K T P P L D A E I V A E N L L L E
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E K G K K L E A G S F G V I E S S V K A V S D L H S P P L R G K V I A V N E
E V D D E F D A E E E I A T V E S S V K A V S E V L P F G R G K V I A I N E D L E
T V G S V F H K D E V L C T L E S S V K S V E E V L C P V A A E V L E T N N V K V E
R P G T R R P P G K P V A T I E S S G K W A G P I P N F M D C T I V E A N P A V M
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E V G R V V T A R K E T V A V V E S S V K T A S D L Y A P A S G T V T A V N E D L S
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V G K V V G A G K S V A T V E S S G K W V G P I T S P L Q G K V L R L N P A V A
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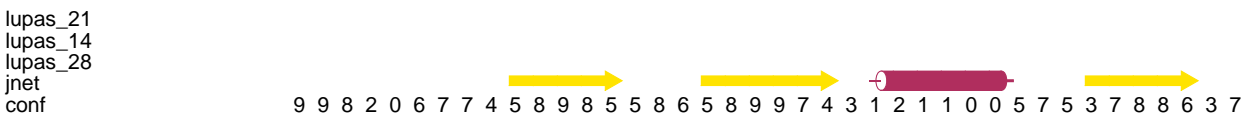
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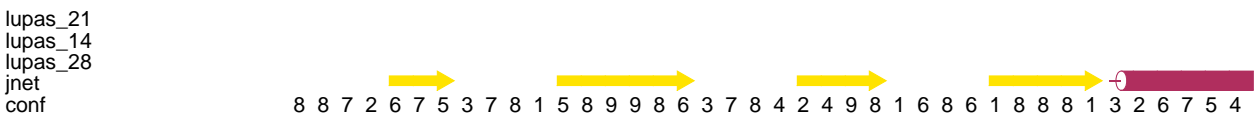
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T E G D Q V E E N Q A I L N L E A S K T V L E L Q A P L A G T I V A I N N E K A T E
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E K M T E L S A G D P M L S F E G A K A V T E I H S P M S G K V V A K V N S D L I
D G L A E V K L K G D V V L E E G A K A V S E V D S P L A G K V A K V N L A L K
Y E E A L K K G E P I I D V E A S A K A V T T V D S P L T G T V V K W H R E A V E
N I N D T I K K N Q P I I S I K T L E G D I N F L S P I S G K V V K V N E E M K
E E G E E N N P R S T F S I E S P K A V E G K F R L P V E G R V V K V N E K E V V
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W Q T G Q H R A T A V I T V N G I D H D V V F P N P F L L T N C N L Y L R
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T N G D T L N V D D A I L N L E A S K T V F E M A S P P L A G K V V E R N E A A I
G P D D V N V N D E I V N L E A S K T V L D V Q S P P L A G K V V E R N T K A E
K H G E R I G K G E N I A S V E C A D K T V F D I E S P P L A N A K V I A H N E K V L
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