

1 10 20 30 40
QUERY H E F P K P E F M S K S L E E L Q I G T Y A N I A M V R T T T P V Y V A L G I F
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50 60 70 80

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

QUERY S V T K A L Q H R S H Y F E G V L K C Y L H E T L E T I I N R L V E A E V H R L L
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QUERY	V	V	V	D	E	N	D	V	V	K	G	I	V	S	L	S	D	I	L	Q	A	L	V	
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UniRef90_F4A211	P	L	V	D	E	N	G	M	L	K	G	L	I	T	I	K	D	I	E	K	A	I		
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UniRef90_W0F553	P	V	V	D	K	Q	K	L	I	G	L	I	T	Y	R	D	I	L	Q					
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UniRef90_K8DX27	P	V	V	E	N	G	K	V	L	G	I	V	S	R	S	D	I	I	K	T	L			
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A L A R Q V S D V M T T P V V S A D P T D I R R L A W V M L E H Q V D G V L
S P E T K I R D I M S R E L Y V A R D F M D I R R D A R V M F R T G H S K L
P I K N I M T P R D R L V T V K E G A T K E D V I R L L H Q H R L E R V L
A D D T V V A D V M S T E L A T V G P N D E A T S A L R T I Q Q E N I G R L
W W E H A G M V K D V M S T E V V T V G E N C T V A E L A E L L E R R I K R V L
R N Y K E L D D I M T K E V I V S P E D P I E L A A R K M K Y S I S S L
D A P V S A A M S A P S R Q S P Q D E R L Y R A V G L M R A H G L R H L
R I S A Y M Q P S P Q P A R E D D A V E N T M R V M T I E R R R H L
L D E S L A S V M T R E P I T L D V K T Y A F E A V V E M A R H H I R H M
K V S R T T V C E I M T A S P V M S V S L G T S A D E C M T L M T R Q R L H L
S E R R E T V T V M A S H A Q S V D A A P L T E V I P L F T K N G H H H L
E A T V G D V M G K P A L V V D E F T P T D E V M N V L R Q G N I H H V

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A A K R E D S V L T D D D R I A G I F T A K D L A F R V V G A G I R A R D V
R K Y K V S S L P V L E N G K I V G L V T N R D L R F E R N L Q V
T D K R M G M T T V T D K Q G N L L G I F T D G D L R R A F E R
Y H M N V G S I L I D E D G K P T V G I F T E R D L V R V V A E G
H S S H S D A I R V E F P D E S V G I L T E R D V V K A L A S
A E H Q V A Q A P V V D A L G R V I G L L R A D M A P L D L L P E P G A V K Q
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A K A K Q T S C V L I M M D G Q L L G I F T E R D V V T L I A N G R
I E E G H S R L P V V E G S D N I V G I V S H A K D V L K A L A E K D P N I K V R
K E T G H S R F P V V E N G K L I G I V S V H D I V G K D D N E K V E N V M T
K K H K V R S F P V V N R E G K L V G I V S I K S V L L H P D E E Q L A M L V K
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A A D R V G C L P I C G Q D G R L K G V I T R D I V V R G L A A G K R L D E T
L E H G Y G S A L V I E D D K L I G L V T E R D L L Y A L S E G E E
L A C G Q S G G P I D A K G K V L G F L S E Q D C I A Q M I A S S Y
T E R R F R R I P I T D A G G R L E G V V T S Q D I I D F L G G S R N L L V E
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H E H K I N G A P V I N E N G K L V G M I V K A D I Y R F L M E E G H
D E R N V G K I P I T E D G K L K G I L T R R D L R F L E T D S T
V E G D V G L A P V Y E G E A L Y G I V T V D Q I L E A V L D S L D A I T V E
R H G R V D A V V V T T D D G D L R G L L T D T D I T R R V L G K H L D P D T C
S D H R V S C V V I A E S T P T P V V G M V S E R D I V T F Q A Q R
E Q W E V S A L P V L E G D G R V V G V S E A D L V K E E F R D S D P D R F
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Y T K F L Y Q N F D R N M L
L S E T F T G L P V V D A Q D R P V V I S Q T D L I Y R A G M P M R L A L I A
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U n i R e f 9 0 _ A 1 W T G 0 R Y N H I R H L P V V D E D M A L L G M V T D R D R P D W V D E A P D I A H V Y
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E Q H G V R H L P V V R E G D A V V G V S D R D V R L V L G L P V
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K Q A R G L I V R D V M R S P L V R T I R G D D S P V S D A A C L M Q D E H K L T G L
P I E R K Q A R G L I V R D V M R S P L V R T I R G D D S P V S D A A C L M Q D E H K L T G L
M Y E K V S D L K V G T Y E G L I H Y A T Q E M R L D M L I D R Y S P S G V V
V P P E N T P V V K D A M T R E V V T A M P D D E L E D V I Q K M V D N S D V N R I L
L L N S I P F V A D E I M S T K E V I T I S A P D T A S V D E A L H I L T Y R S Q N K V N G L
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R V Q V I M T S Y N P K T I S E P D V S A A E A L R Q M T G K G R I T S L
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A G V L K D F K V T D V A M G P Y F V P D D T S L D E A Q M R Q F L R R R T H F A
L M G H A A G E V M T R G P Q T I A P G A L A A E A L K I M N D R R R I T V L
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V V S D V M T R N V I A C G E T S E L D E L M E M M T K G R F R H L
L L S D L M T G N P R L A R E T D D D M L D W L R I M S N E G F R R L
S V V R V M T P H P D T A S P P T T T I H D G L K K M H N H Y L C N L
T I D K I S I R R V M T P N P L T I N P F R E S V Q E A V E L M I K N D I S S V
T T I A E I M T K N P L C A R T D T S I A T D A L D L M V R R K G F R H L
K V S S I M T P R E R L V T V S E T T S I D D A R E L M H T H K K I E R V
D V D I D A P I G D V M T K G C K T V K T S Q T L A V D A V N L M E E S S I T S L
L S L D T P L M K V M S K K D L V T I A N T S E S V S A A M K M I E N N I R H L
L M L N P L V A D H A S S P D L V T V N E S E S L V H A K K I M L L N G F R H L
A L D A R R P V S E V M V S P P T V S P D T E L R R V A A V L L G T G L P G L
E F G T M P L R E V M T P N P V T I H P D D L V L K A A S L M M Q H N I R G L
I Q D D L T I A D V M T Q S V I K I T G N Q D I F V A L N L R E H R I R H L
D I L R D V I Y V T P E N M K I N E L V N E M R K K K A H L A
K R K D M V V T T P D A N I M D V G R I M F R T G F S K L A
R D V P T V K P D D D L K K A A R L M L E H D Y R R V
F A G T P V T A A M S F L I P L Q V K A T L W Q A H Q L M Q H G I R R L
A G E L N Q G E A A T V G A D D S V D E A M M V E K H V K R R L
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Y R E Q I C R V A E I M K A P V V V I K P Y L S V J E L A Q L L I K N R P R V Y
N R F I N E E V R Q I M Q T D V V A I N D Q A D F K D A V T T M L E R R T G G L
P V T A I H E T T R Q V I T V A P D A S L E D V E R L M T E R R F R H V
E T R L D V P V R E I M T P R L I T V R E G A S L A E G K A L H Q H K L E R V
L W R E S F Y R S V F M S R D T V C V A P E G D D M V V A R L L I A H G V K S L
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E R H G Y N P V Q S I M E K N P I C A Y P E D E K L S N L E K M V M N E I G I V
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Q K D F F E L Q P A I Y V R K V V K T N P D E N I Q Q A A F L M T E K R V S S T
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A G D T P V S S V M T T P V F A M G P G T P V V L T I A R V M V D D R V R C V
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Y L D D N M A L K N V M T R H P V V V H T Y D P V Q R A A Q L M R E N R F G A L
F I D R P V K D Y M T V D P I S I A P D R L A A E A L Q I M E A K E I I N D L
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T E I N Q V R V S D I M A D D P L T V V A S T P L D E V A Y A M S D K K I G S V
E E A T T V N D V M R Q E A M T L K P D D S I I D L A H F M E D H T P K V Y
N Y P P Q T P L G D L M T P H P V S V G L A H R P L E E V A F L M S E R K I V G S V
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UniRef90_C7R9I2	L	V	V
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S D V A Y V E E D D S L R Q V L E A K M
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