

1 10 20 30 40
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 UniRef90_G0Y2E0 M
 UniRef90_G0Y2E0 M
 UniRef90_H6VLP2
 UniRef90_H6VLP2
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 UniRef90_F6ME03
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 UniRef90_Q8QUZ6
 UniRef90_Q8QUZ6
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 UniRef90_A7YF31 YQVAVRANNSRSKDPIFSFQ
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 UniRef90_C7DUC7
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 UniRef90_B7T8D2
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 UniRef90_Q66806
 UniRef90_G9K146
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M D M A R V D S F M P I N N V N Q S H T L G V Y Y I T I S N V S S E R K I L A
 M D M A R V D S F M P I N N V N Q S H T L G V Y Y I T I S N V S S E R K I L A
 T T S I N M Y T V Q L E R T A D L M S E V F A I N V D
 T T S I N M Y T V Q L E R T A D L M S E V F A I N V D

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

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

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

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

L S D I D A T S V D K P T T S A D R F Y T L R S V N W G A T S K G W W W K F P

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

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

DMS
DMS

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

QUERY	90	100	110	120
UniRef90_Q8B552	G D L F K P T Y L G R L L A K M Y A N Y R N G S V T I E E F M F V C G S S K M A T T G G K F L			
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UniRef90_Q6JKS0	D V L T K T G V F G Q N L A Q K Y H Y L Y R S G F V C I H V Q C N A S K F H Q G G A K F L			
UniRef90_A5GZF5	Q P L A T T T L I G E I A S Y Y T H W T G S S I R I S F M F V C G S S A N T S L K L L L			
UniRef90_A5GZF5	Q P L A T T T L I G E I A S Y Y T H W T G S S I R I S F M F V C G S S A N T S L K L L L			
UniRef90_A7YF31	V D P P G F R T L L L G E M L N Y Y A H W S G S S I K L T F L F V C G S S A M A T T G K L L L			
UniRef90_A7YF31	V D P P G F R T L L L G E M L N Y Y A H W S G S S I K L T F L F V C G S S A M A T T G K L L L			
UniRef90_K4HM53	T L V G Q Q I C C R Y Y T Q W S G S S L E V T F M F T G S S F M A T T G K M L L			
UniRef90_K4HM53	T L V G Q Q I C C R Y Y T Q W S G S S L E V T F M F T G S S F M A T T G K M L L			
UniRef90_Q66575	R T L L L G E I L N Y Y A H W S G S S V K L T F V F V C G S S A M A L A K F L			
UniRef90_Q66575	R T L L L G E I L N Y Y A H W S G S S V K L T F V F V C G S S A M A L A K F L			
UniRef90_Q2LKZ0	P M Q S S T L L L G V L H R Y Y A Q W S G S S L D F T F M F V C G G T F M T T G K V I			
UniRef90_Q2LKZ0	P M Q S S T L L L G V L H R Y Y A Q W S G S S L D F T F M F V C G G T F M T T G K V I			
UniRef90_A4UHT9	I P L D M S N L M G E V L N Y Y S N W S G S S I K L T F F C C V C V C D S F S T G K F L			
UniRef90_A4UHT9	I P L D M S N L M G E V L N Y Y S N W S G S S I K L T F F C C V C V C D S F S T G K F L			
UniRef90_B9V435	I H P L A T T M L G E I A S Y Y T H W T G S S L R F S F M F V C C G S A S T T L K L L L			
UniRef90_B9V435	I H P L A T T M L G E I A S Y Y T H W T G S S L R F S F M F V C C G S A S T T L K L L L			
UniRef90_B0YIF3	H T L L L G E I I N Y Y A H W S G S S I K L T F L F V C G S S A M A T T G K L L L			
UniRef90_B0YIF3	H T L L L G E I I N Y Y A H W S G S S I K L T F L F V C G S S A M A T T G K L L L			
UniRef90_Q8V613	R T L V G E I L N Y Y T H W S G S S L K F T F M F V C C G T A M A T T G K L L I			
UniRef90_Q8V613	R T L V G E I L N Y Y T H W S G S S L K F T F M F V C C G T A M A T T G K L L I			
UniRef90_Q8JJT0	T Y L S R L L A Q M Y A N Y R G S S V V F E F M F V C C G S Q M A T T G K L L L			
UniRef90_Q8JJT0	T Y L S R L L A Q M Y A N Y R G S S V V F E F M F V C C G S Q M A T T G K L L L			
UniRef90_G0YPH9	T M V G Q L L C C R Y Y T Q W S G S S L K I T F M F T G S S F M A T T G K M L L			
UniRef90_G0YPH9	T M V G Q L L C C R Y Y T Q W S G S S L K I T F M F T G S S F M A T T G K M L L			
UniRef90_Q2YEN8	R T L L L G E V L N Y Y A H W S G S S I K L T F T F C C G S A M A T T G K L L L			
UniRef90_Q2YEN8	R T L L L G E V L N Y Y A H W S G S S I K L T F T F C C G S A M A T T G K L L L			
UniRef90_H9C6N6	D A L K E M G V F G Q N M F F H A L G R T G Y T I H V Q C N A T K F H S G G C L L L			
UniRef90_G0Y2E0	S V L F S T T Y M A R C C A K W Y S Q H R G G I R V T F M F V C C G S A M A T T G K L L L			
UniRef90_G0Y2E0	S V L F S T T Y M A R C C A K W Y S Q H R G G I R V T F M F V C C G S A M A T T G K L L L			
UniRef90_H6VLP2	M S L N S N T Y L A R C C T R F F S N Y R G S S V K L T L T F C C G S A M A T T G K F L			
UniRef90_H6VLP2	M S L N S N T Y L A R C C T R F F S N Y R G S S V K L T L T F C C G S A M A T T G K F L			
UniRef90_K4NTR6	T L V G Q L L C C R Y Y T Q W S G S S L E V T F M F T G S S F M A T T G K M L L			
UniRef90_K4NTR6	T L V G Q L L C C R Y Y T Q W S G S S L E V T F M F T G S S F M A T T G K M L L			
UniRef90_H9BP13	T M V G Q L L C C R Y Y T Q W S G S S L K I T F M F T G S S F M A T T G K M L L			
UniRef90_H9BP13	T M V G Q L L C C R Y Y T Q W S G S S L K I T F M F T G S S F M A T T G K M L L			
UniRef90_B5BSU7	H T L L L G E I L N Y Y A H W S G S S L R F T F L F V C C G T A M T T G K L L L			
UniRef90_B5BSU7	H T L L L G E I L N Y Y A H W S G S S L R F T F L F V C C G T A M T T G K L L L			
UniRef90_P07210	D A L K N M G I F G E N M F Y H F L G R S G Y T I H V Q C N S S K F H Q G G L L I			
UniRef90_P07210	D A L K N M G I F G E N M F Y H F L G R S G Y T I H V Q C N S S K F H Q G G L L I			
UniRef90_A0A023VYX2	T L V G N L V R Y Y T H W S G S S L E I T F M F T G C F M A T T G K V L L			
UniRef90_A0A023VYX2	T L V G N L V R Y Y T H W S G S S L E I T F M F T G C F M A T T G K V L L			
UniRef90_G8IJE5	S Q P L A T T L I G E I S S Y Y T H W T G S S V R F S F M F V C C G S A L T T L K L L L			
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UniRef90_B9V457	D Q P L S T T L I G E I A N Y Y T H W T G S S L R F S F M F V C C G T A S T S L K L L L			
UniRef90_B9V457	D Q P L S T T L I G E I A N Y Y T H W T G S S L R F S F M F V C C G T A S T S L K L L L			
UniRef90_T1WQK9	R T L L L G E M L N Y Y A H W S G S S V K L T F L F V C C G S A M A T T G K L L L			
UniRef90_T1WQK9	R T L L L G E M L N Y Y A H W S G S S V K L T F L F V C C G S A M A T T G K L L L			
UniRef90_I3UJT1	T L L G E V L N Y Y S N W S G S S V K L T F F C C V C N S F S T G K F L			
UniRef90_I3UJT1	T L L G E V L N Y Y S N W S G S S V K L T F F C C V C N S F S T G K F L			
UniRef90_D4AH62	C C R T L L L G E I L N Y Y T H W S G S S I K L T F M F V C C G S A M A T T G K F L			
UniRef90_D4AH62	C C R T L L L G E I L N Y Y T H W S G S S I K L T F M F V C C G S A M A T T G K F L			
UniRef90_A7TUB2	D C L K D M G M F G Q N M Y H H S M G R S G M L I H V Q C N A T K F H S G G C L L F			
UniRef90_I3UMN1	D A L T E L G V I F G Q N S Q Y H Y L Y R C G W T V H V Q C N A T K F H Q G G C L F			
UniRef90_Q9WN78	L Q P G Y D S V L K H T L N Y Y A N W S G S S M K L T F M Y C C G A A M A T T G K F L			
UniRef90_Q9WN78	L Q P G Y D S V L K H T L N Y Y A N W S G S S M K L T F M Y C C G A A M A T T G K F L			
UniRef90_Q6W9F4	N R T L L L G E I L N Y Y A H W S G S S L K F T F L F V C C G S A M A T T G K L L L			
UniRef90_Q6W9F4	N R T L L L G E I L N Y Y A H W S G S S L K F T F L F V C C G S A M A T T G K L L L			
UniRef90_Q8V614	T I I G Q Q I C C R Y Y S Q W S G S S L E I T F M F T G S S F M A T T G K M L L			
UniRef90_Q8V614	T I I G Q Q I C C R Y Y S Q W S G S S L E I T F M F T G S S F M A T T G K M L L			
UniRef90_F6ME03	Q R T L L L G E I L N Y Y T H W S G S S L K L T F V F V C G S A M A T T G K F L			
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UniRef90_P12915	P L S S S L G T L A K H Y T Q W S G S S V E I T C M F T G T F M T T G K V L L			
UniRef90_P12915	P L S S S L G T L A K H Y T Q W S G S S V E I T C M F T G T F M T T G K V L L			
UniRef90_W8GPM9	D A L S E M G V F G Q N M Y H A M G R S G Y T I H T Q C N A T K F H S G A I I			
UniRef90_B5A1N0	M Q T T Y L S R L A K Q Y A N Y R G S S I L L E F I F C C G S Q M A T T G K L L L			
UniRef90_B5A1N0	M Q T T Y L S R L A K Q Y A N Y R G S S I L L E F I F C C G S Q M A T T G K L L L			
UniRef90_G0YP11	T L L G Q I C C R Y Y T Q W S G S S L E V T F M F T G S S F M A T T G K M L L			
UniRef90_G0YP11	T L L G Q I C C R Y Y T Q W S G S S L E V T F M F T G S S F M A T T G K M L L			
UniRef90_Q66577	D A L S N M G L F G Q N M L Y H Y L G R S G Y T I H V Q C N A S K F H Q G R P I			
UniRef90_Q8JRP9	H T L L L G E V L N Y Y A N W S G S S I K L T F M F V C C G S A M T T G K L L I			
UniRef90_Q8JRP9	H T L L L G E V L N Y Y A N W S G S S I K L T F M F V C C G S A M T T G K L L I			
UniRef90_B9V466	Q P L A N T M L G Q I A S Y Y T H W T G S S L R F S F M F V C C G T A N T T L K L L L			
UniRef90_B9V466	Q P L A N T M L G Q I A S Y Y T H W T G S S L R F S F M F V C C G T A N T T L K L L L			
UniRef90_Q65900	T I L G Q L L C C R Y Y T Q W S G S S L E V T F M F A G S F M A T T G K M L L			
UniRef90_Q65900	T I L G Q L L C C R Y Y T Q W S G S S L E V T F M F A G S F M A T T G K M L L			
UniRef90_A0MHB7	D C L K N M G L F G Q N M Y H A M G R S G Y T I H T Q C N A T K F H S G C L L L			
UniRef90_I3VR63	T Y L S K V T R W F S N Y R G S S L N I T F M F V C C G S K M A T T G K L L L			
UniRef90_I3VR63	T Y L S K V T R W F S N Y R G S S L N I T F M F V C C G S K M A T T G K L L L			
UniRef90_G5EN04	T M V G Q I C C R Y Y T Q W S G S S L K V T F M F T G S S F M A T T G K M L L			
UniRef90_G5EN04	T M V G Q I C C R Y Y T Q W S G S S L K V T F M F T G S S F M A T T G K M L L			
UniRef90_C7DUC7	T L L G E I L N Y Y A N W S G S S I R V T F M C V C C D S F G T G K S L L			
UniRef90_C7DUC7	T L L G E I L N Y Y A N W S G S S I R V T F M C V C C D S F G T G K S L L			
UniRef90_I6QFL7	N T L F S T L L L G E V L N Y Y S N W S G S S I K L S F M C V C C D S F S T G K F L			
UniRef90_I6QFL7	N T L F S T L L L G E V L N Y Y S N W S G S S I K L S F M C V C C D S F S T G K F L			
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QUERY

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S D R I I Q I T R G D T T I T S Q D I A N A V V A Y G V W P T Y

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

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

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L T A Q D A T A I D K P S Q P D T S S N R F Y T S K L W T N E S K G W W W K L P
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MD
 MD

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E A Y P I P L T H G Q Q N N R Q A I F A L S L S P A S
 E A Y P I P L T H G Q Q N N R Q A I F A L S L S P A S

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

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

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UniRef90_Q6YIH4	L	GP	P	N
UniRef90_Q6VCZ3	G	S	P	R
UniRef90_S6B9F4	L	H	P	D
UniRef90_C7EWK4	L	R	P	T
UniRef90_C7EWK4	L	R	P	T
UniRef90_A0A023WGE3	L	D	P	T
UniRef90_G1JYZ0	L	H	P	S
UniRef90_Q83884	L	GP	P	H
UniRef90_E2GER3	P	R	A	E
UniRef90_A5A561	L	GP	P	D
UniRef90_I6UGN8	L	I	S	P
UniRef90_A0P9K6	L	H	P	N

UniRef90_C7SI01 MA F F P N H D A R Y T E E E A Q N A I F M V C D I G L N N T F E M T I P Y
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UniRef90_Q99FK5 L A W T P Q Y N A P M P Q T M A D A M Q G H Y V I Y D T G V D S S V D L V I P Y
UniRef90_Q99FK5 L A W T P Q Y N A P M P Q T M A D A M Q G H Y V I Y D T G V D S S V D L V I P Y
UniRef90_H9X8D0 V V L T P E A T S C N G T A R N F G N L T I F P H Q I T N L R Y E S N T A T I E V P Y
UniRef90_C9WSY1 L Y M V P E A T S C N G T A R N F G N L T I F P H Q I T N L R Y E S N T A T I E V P Y
UniRef90_UPI00045EDEF V A A V P E Y E H T H E K A L Q Q L S V F P H Q L L N L R T N S S V H L V M P Y
UniRef90_Q9DKW1 A L V V P P G V E P V E S P S M L Q Y P H V L F D A R Q T T S Q A D L Y I P D
UniRef90_C0J6D4 A C Y L P K T D H F D S Y T F G T F T N F P H V L M N A A T T S Q A D L Y I P Y
UniRef90_C5MSH2 V L J A M A E G L D I T P A D S S T W F N F P H T I T N L A N S N A T L K L P Y
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UniRef90_Q92369 A L L V P P G V E P V E S P S M L Q Y P H V L F D A R Q T T S Q A D L Y I P D
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UniRef90_S5ZYA9 V V C V P E Y N A G M G V A V S G N L T I F P H Q W I N K R T N N C A T L V M P Y
UniRef90_T2AUN3 V A V L P P E Y I G T G I L S Q L T V C P H Q W I
UniRef90_Q72120 A V L V P P G I S T E G G T S L L Q F P H V L V D A R Q T T E P V I F T I P D
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UniRef90_C9E0S1 V C A V P P N F P P D R L S A S Q A T N F P H V I M D V R T L E P V I L P D
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UniRef90_Q66578 M G F F P N A T T D S T S T L D N A I Y T I C D I G S D N S F E I T I P Y
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UniRef90_Q72120 I R T Q L W H D M H D T S T S H L V I L V Y N D L V N P F Q G G T S C T I T V E
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UniRef90_A4K7J2 V R R N F F H Y N Q K D D P M R L V I W L Y T P L R S N G S G D D V F T V S C R
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UniRef90_W0NUF2 S F S T W M R K T N D H P I G L F Q I E V L N R L T Y N S S S P S E V
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UniRef90_B9UK62 S F S T W M R K T K G H T I G L F Q V E V L N R L T Y N S S S P S E V Y C I V Q
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UniRef90_C9WSX0 V R H N L F H F N Q K N D R M H L V A F L Y T P L R A N S G N G D T V S C R V L
UniRef90_B9UD49 S F S T W M R K T H G K S L G L F Q V E V L N R L T Y N S S S P N T V H C I V Q
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UniRef90_Q0H0Y3 V R A V D Y H R M D G T E P C S I G L W V Y Q P L L N P A A G V T C W V S I E
UniRef90_I2APU7 V R P G D Y H G P G D N T P T T I G L W V F N P L L N P A G G S T S T I T V E
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UniRef90_H9U0H0	L	R	P	V
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UniRef90_I6YQK4	I	R		E
UniRef90_L0LCU3	L	R	P	T
UniRef90_L0LCU3	L	R	P	T
UniRef90_T1UMN6	L	T	Q	E
UniRef90_Q0H0Y5	L	H	P	D
UniRef90_T2BA54	Y	P	T	T
UniRef90_B7XDG7	L	G	P	R
UniRef90_V9VMS8				
UniRef90_V9VMS8				
UniRef90_T1UMN1	L	T	E	K
UniRef90_D4AHK7	L	H	P	D
UniRef90_A5LGF7	L	P	T	Q
UniRef90_I0DHL5	L	T	P	Q
UniRef90_Q5YJB1	A	L	V	S
UniRef90_A0A023IN43				
UniRef90_A0A023IN43				
UniRef90_M4Q2Y6	L	S	P	G
UniRef90_B4XXZ1	L	S	P	N
UniRef90_V5TDN5				
UniRef90_V5TDN5				
UniRef90_T1SC31	T	Q	T	R
UniRef90_T1SC31	T	Q	T	R
UniRef90_C1JC60	L	G	P	D
UniRef90_K4NW87	L	S	P	E
UniRef90_Q91BL4	Q	P	T	S
UniRef90_Q91BL4	Q	P	T	S
UniRef90_D9YV24				
UniRef90_D9YV24				
UniRef90_G3CKP5	L	R	P	T
UniRef90_G3CKP5	L	R	P	T
UniRef90_T1UMX3	T	S	N	A
UniRef90_T1UMW8	L	T	Q	E
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UniRef90_Q1HAW4	L	G	P	E
UniRef90_Q6UP17	L	L	Q	P
UniRef90_Q6UP17	L	L	Q	P
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UniRef90_M1L6N7	F	S	D	A
UniRef90_K4NTQ0	L	G	P	G
UniRef90_Q99FJ0	T	D	T	Q
UniRef90_Q99FJ0	T	D	T	Q
UniRef90_C4N5E9	V	G	P	G
UniRef90_C7EWL2	M	P	L	R
UniRef90_C7EWL2	M	P	L	R
UniRef90_X2FSA7	R	L	Q	G
UniRef90_X2FSA7	R	L	Q	G
UniRef90_M4Q0G1	L	G	P	D
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UniRef90_U3N8W7	H	S	P	Q
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UniRef90_M9WE12	E	L	L	D
UniRef90_Q2HZ59	L	G	P	E
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UniRef90_G1JY9	L	L	G	P
UniRef90_J7MCT4	L	H	P	N
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UniRef90_G1JY9 A A V L P P G L N P V N I Q N P G V F P H A F I D A R T T D P I L V L P D
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UniRef90_D9YV24 F S S T P W K T L S R S T S L S L G L Y V Y S P L S C P A F N P D Q A T I A V F
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UniRef90_G3CKP5 V A P Y D F T P V R T P Y T
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UniRef90_T1UMW8
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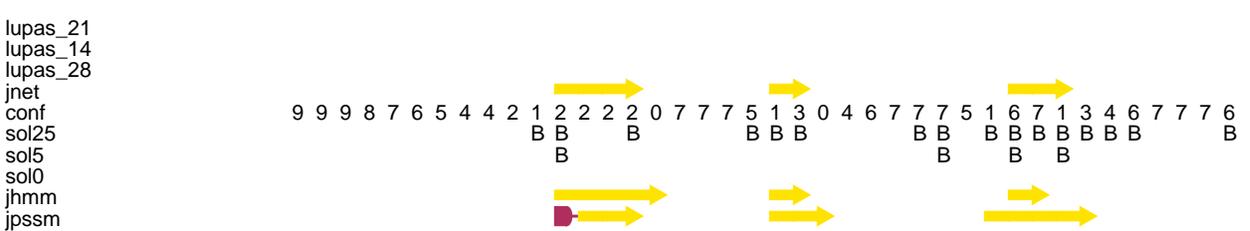
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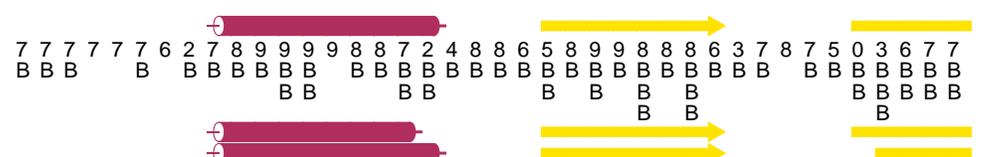


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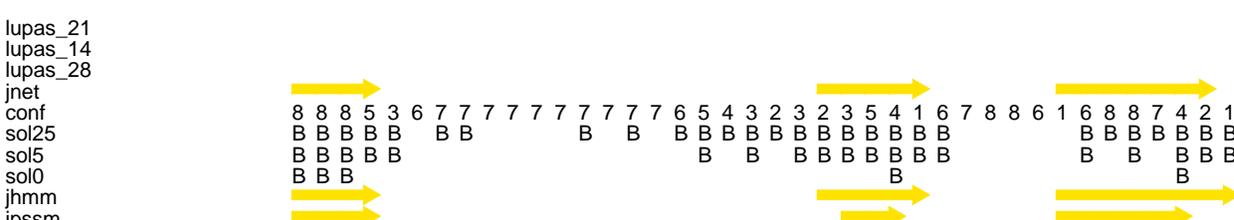
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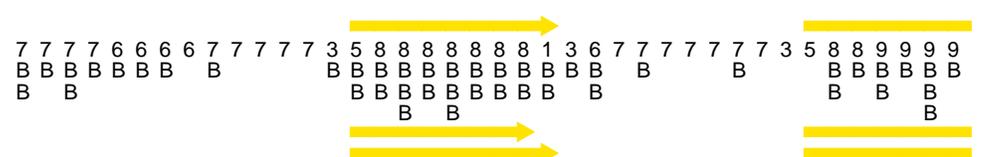
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