

QUERY 1 10 20 30 40  
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UniRef90_W8VUR9																																												
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UniRef90_C8WGN0	D	E	T	K	L	D	W	M	N	G	Q	Y	I	K	E	M	L	A	E	A	R	V	V	E	R	A	E	P	H	R	A	L	A	D	I	D	V	R	T					
UniRef90_A8EY39	D	F	A	N	M	N	S	L	N	A	H	Y	L	R	L	L	D	N	D	S	A	T	S	K	T	V	E	R	L	R	Q	N	Y	N	V	S	K	E	V					
UniRef90_Q5PAG8	D	S	K	K	L	F	L	N	H	H	Y	M	N	Q	K	T	E	L	E	I	L	G	L	L	P	F	L	E	Q	Y	H	T	V	A	E	T	K	L						
UniRef90_B7K6X0	D	W	D	K	L	D	W	I	N	S	Q	Y	I	H	K	M	P	P	D	E	L	L	E	L	I	P	Y	W	Q	E	A	G	Y	E	D	Q	D	R						
UniRef90_Q0FPY8	D	F	K	K	L	E	N	L	C	G	H	L	R	A	I	A	D	D	A	A	L	L	Q	E	L	V	A	Y	L	D	A	A	G	K	T	E	A	Q						
UniRef90_V5RLT1	D	V	M	K	L	K	W	I	N	S	Q	W	M	K	R	L	T	E	E	E	Y	L	S	F	T	K	K	F	I	D	K	E	N	F	D	I	D	N	E					
UniRef90_B4RBX8	D	W	A	K	L	N	H	L	N	N	S	Y	I	R	Q	A	E	P	A	R	L	A	E	L	V	K	T	V	L	A	S	R	D	W	P	L	E	A	G					
UniRef90_B6BPV3	D	M	S	R	I	L	S	M	N	S	G	Y	I	K	S	I	D	E	N	E	L	Y	Q	Q	L	V	S	Y	C	A	K	Y	K	E	K	L	E	K						
UniRef90_UPI0003662374	D	F	K	K	L	D	N	L	S	G	R	H	I	R	A	A	D	D	A	L	L	K	E	V	A	D	Y	L	A	A	S	G	Q	P	P	R	Q	R						
UniRef90_UPI000345D1F0	D	W	D	K	L	N	W	L	N	S	Q	Y	L	R	Q	L	S	P	A	E	Q	V	E	R	L	T	P	F	W	A	A	A	G	A	D	V	P	E	P					
UniRef90_X8JPK0	D	P	G	K	L	A	F	L	N	R	H	H	L	H	Q	K	V	E	A	E	R	A	A	G	L	I	R	A	A	Y	P	H	I	D	P	Q	W	C	T	K				
UniRef90_W5WE47	D	T	K	K	A	L	S	I	N	A	A	H	L	H	K	H	L	D	P	E	R	F	A	A	L	L	S	F	A	A	G	T	G	P	T	A	D	Q	R					
UniRef90_A0A059ILC8	D	F	K	K	L	E	N	L	C	G	H	L	R	A	A	A	D	D	A	A	L	L	Q	E	L	V	A	Y	L	Q	A	A	G	R	P	P	R	Q	M					
UniRef90_M5TTP2	D	P	A	K	L	T	A	F	Q	A	D	A	F	N	A	L	P	Q	D	V	K	V	G	M	V	K	P	F	A	V	A	A	G	W	N	D	E	S	E					
UniRef90_UPI00020022D3	D	W	D	K	L	N	L	F	N	S	Q	V	L	H	E	R	S	P	E	Q	L	A	E	L	E	P	Q	W	K	A	L	G	W	S	H	S	D	A						
UniRef90_A3PHK2	D	F	K	K	L	E	S	V	C	G	H	L	R	A	V	M	E	D	A	E	L	M	R	E	I	A	A	Y	L	A	A	R	K	P	A	L	T	D						
UniRef90_UPI00037DEADE	D	I	D	K	L	D	W	M	N	G	M	Y	L	R	N	M	S	E	D	E	Y	E	T	V	A	S	I	L	E	K	A	V	Q	G	P	Y	D							

	50	60	70	80
UniRef90_Q9ZCT8	S Y I K Q A M P S L I T V R S E T L R D L A Q L A Y I Y L V D P M I Y S Q D A K E			
UniRef90_K2GLV6	P Q A K A L R A A V L P T G R A R T W S D L L E K A R F F A L D G P V I P D D D K A A K			
UniRef90_E8QY82	T R L Q D R V I L A L Q Q D R L K V F S K E I L K L G D F F F F E P I F T T L D P D E A G K N			
UniRef90_R6AB12	R V I Q A V V G M M K K L N F I K D E L W P L C D F F F A P T Y S A P D D D K K N			
UniRef90_B6BTN5	K Q L L G L F D L Y K D R C N S L R D F E V N A E M V L T K P E N T S H E L I E			
UniRef90_UPI0004240767	E L L T A A A P L V Q Q R V R L L G S E V P G M V V G S L L S T D E Y L A E P E A K Q R			
UniRef90_K6WZT0	S R L K L V A T E L I Q P R R L V K L G S D A A P L V Y V A D V P I A E D A R A			
UniRef90_A0A059FUL3	Q R V R A G L P H L K N R G A T L P E L A A S F A F L T V Q R P I N L N K D A R T			
UniRef90_Q119Z5	S W L E Q L V T S I R P S L K T R L T D A V E M S E L F F F S P T V E L N K E A D A K T			
UniRef90_M4X4J9	D Y I Y K I L P S I K P R I K L L T D I I P L S E H F F S G L P K L N E E D A F K			
UniRef90_UPI00046EE876	D W I N Q V L L L F K K E L D F G V Q I N E K I G L F F E N F E E I T K E Q L V			
UniRef90_H1PVD2	E A L V K I V G I L R E S A Q T L K E L A V E A T A Y Y Q N D E F E V N E E A M N K			
UniRef90_UPI0003FA52E7	N K A E A I V S L T K R E R V T F P G E M W T Q C R F L V N A P K E F V N E E Q S K K			
UniRef90_K2K5X6	A R L L A S I L P F L K G S A K T Y P Q L I E K A R F A L D R P V S M D E K A A Q K			
UniRef90_T0ZVP2	N L L E G V I L S Q R E R A K T L K E M A C N S Y F F F L D A V Q L D P K A A A A			
UniRef90_Q0APU9	A R L K A A M P T L K T R A A T L K E L A D Q S Y F L L R Q P L Q L E P K A A K			
UniRef90_A3HW12	E L A E S I A N L T K D R A T F P A D L W N G S K F L V I A P K T F D M A D K A K			
UniRef90_Q163X3	H M L G K A M Y C I K E R A C T F P E L I D K A H F A L T Q P V T P D A K A A K T			
UniRef90_R9M6V4	I S A V A A L L K E R A C E K L T D I I P E K V D F F Y G V E F F T N K A E A K T			
UniRef90_K9T412	A W L E Q L T A L I A G S L T R L A D A P K E S R L L F G E S V K Y S D E A Q L			
UniRef90_B9L7E4	D K K E I L I D E L K D R V K T L K E M A E E I G K M L S T P A E Y N E K A L K			
UniRef90_S2WFP3	E L L D A A A P L A Q T R M Q L L G E A R D L K G F L V S K L E Y N E K A L K			
UniRef90_W6AI46	E W L K N V L M L Y K K E L E F G A Q I N D H L D M F F N N F E L S Q E T T L E			
UniRef90_UPI000412EB9E	Y V L E V A V P L V Q E R C S T A Q A A E M L R F F L F G V E V E L D E K A S A K			
UniRef90_W8VUR9	E F V N I V G L V K E R A V F V E D L F E L A G F F F T A G F F E D E K A S A S			
UniRef90_M7NVK3	E M V H K V A L E I K E R A V F P K D L W K D G A V Y F I R P A R Y D Q D A K K			
UniRef90_K2EHS1	T N L E Q A V I F Y D R N C N T L N L L A D A V I E L F Y T H V T V T P Y S K A H			
UniRef90_X1KSZ7	G K I L K G A S A F R Y D N L K V L N E F P Q Y I E D F F G E K I A P E S K A V			
UniRef90_K2D4M6	D R N I H V I Q A L Q A R I L K T W E E A G P M L D Y L V N F P L M E N E K M Q I			
UniRef90_G9PU35	G Y L A A S L K T M G G R G Q T T I Q V A E Y S D Y F L D F A K V R E R Y D D L			
UniRef90_UPI0003B5E739	R L D A A A P L A Q T R I Q M L G E I G P L M R F L F A D Q I E F R E K A L G			
UniRef90_P59423	S D L L K L V K L L G S R Y Y T L Q E I V D Y S R C F Y N K S I C F N S E N L M S			
UniRef90_UPI00034C439F	A W L E S L T A L T A P T L N R L T D V I K E T S V F F F E N D A V E H S E E A M D			
UniRef90_R6QWY8	V D T D K I L S M V K T R I E L F T E I K D H I D F F E N V P M Y Q H H K M K T			
UniRef90_X1DX06	Q K I E K I I P L I K E R I K T L K E G I D L L S P F F I K I S Y S Q E L A K N			
UniRef90_D3EQ54	Q W L E R L T L I Q P S L V R L N D V I R E S S F F F G E N I N Y S N E A L L			
UniRef90_F9EHS7	E R L T A A A P L I H T R I Q L L R E S R D M L A F L F V S D E V D D G A V T A			
UniRef90_C8WGN0	E W Y A R L Y P L L A E R E T R L T D A A E K L P Y M F W G P E V R E L D E K S			
UniRef90_A8EY39	I Y I N Q A I R S L V Y R S E T L D L V Q L A Q Q I Y L V D P T I Y K Q D A K E			
UniRef90_Q5PAG8	A R L S L G V K L M E R A K T L A D L A R D S V F Y Q N I P I S V D D D A K Q			
UniRef90_B7K6X0	P W L T Q L T A L I A P S M T R L K D A P A E S R L L F G E S I K F S D E A I A			
UniRef90_Q0FPY8	D G L L R G M Y C L K D R A K T F P E L L E K A H F I L D S T P L E P D E K A A K			
UniRef90_V5RLT1	S W L N D R V L L F K K E L E F G A Q I N A H L N M F F D R S Q H I N E E T L K Q			
UniRef90_B4RBX8	D M I E R T I P F V R D G A K T T L E L A D N V V F A L R R S L E L P E K T R T			
UniRef90_B6BPV3	A K I K P S L S F L K K N K A K T L E D I Y N N A K F L I H D E I K F N D E D L K			
UniRef90_UPI0003662374	A L V E A A M P H L K N E R A K T Y P E L L E K A Q F A L E R P I E P D E K S A A			
UniRef90_UPI000345D1F0	Q W L E E M A A L I S E G L T L L T E A A P L S R Y L L Q Q E L L Y A T D A I A			
UniRef90_X8JPK0	D Y I S R V L R V L S D R V I L L Q D I A T A A P Y F F Q S P D Y T S D A A L S			
UniRef90_W5WE47	E L L R A V P L V R D R V K T L G E A A D A I A F L F Q P D E S F A Q A V R			
UniRef90_A0A059ILC8	K G L E R A M Y S L K E R A K T F E E L I E K A H F V L D R P V R P D E K S A K			
UniRef90_M5TTP2	S K L A D V I A G A G D R L K M A G D I D F D Y C F V F D D Y E L N P K A Y Q			
UniRef90_UPI0002002D3	S W L Q E L C S L L G P S L V T L K D G I E Q A R P F F E R P E L S E D A A L K Q			
UniRef90_A3PHK2	E R L E K G L Y A L K D R A K T F P E L L E K A R F A L L E R P I A A S D A A A K			
UniRef90_UPI00037DEADE	E R E T A K I I Q P R D V L N Q K L E E S V D F F Y D L E M Y R H K K M K S			
UniRef90_UPI00036F2A9A	E W F F R L L N L K R E R S R K I K E F A V R G R P F L S R E F F L E P D A K Q			
UniRef90_W5IH45	R I L T A A G P L V Q T R V R L L G E V S G M V S S L L S R E F F L E P D A K Q			
UniRef90_A0A037ZEF7	A Q L A Q A M C F L K S A K T F E Q L T E K S W F I F E R P L S Y E P K S A V K			
UniRef90_UPI0003B763E6	R V L S Q A A P L A Q T R M Q V L G E A R D L G F L F V D D I E Y N E K S A K K			
UniRef90_K1RFG9	D L L D K C W A M K D S R T C K I T D L T E P E W E F L W K T P S N S Q I Q E			
UniRef90_A9BG78	K W V K A L E T I L S S V E L S E I P E K M E V E L V Y P D T N D P F E K E			
UniRef90_F5RKT1	E Q W E T A I E L L R T R V T K L S N V R P A I A F L I E T P L Y E N K R N K V			
UniRef90_A0A023X6F0	G R L T E I M A L L R E R L Q R T T D I P D A A S Y F Y G D E L D Y D E E E F E			
UniRef90_Q8RDZ8	E T L K K V V G I E R E G A K T L Q E L A K N S K F F F V D E F D M D K K E R K			
UniRef90_J3JQ6	E L L N A A A P L I Q T R I Q M L R E C R D M L G F L F D A E L T D D K A V A			
UniRef90_H2CIX7	A N V R R A F A S V K E Y I Y T L E D A V P Y L K E I F R E K V E M D A D A K A			
UniRef90_A8EQW9	P K K N E I L D L A K Q R A Q T L V I E L K K S I T D I D I P T S Y E S G V K			
UniRef90_UPI0003B496A4	E K I L K I L P Q V K R V K N L K E M L D M I L P L F E L K D Y D E E K F V			
UniRef90_Q2JRD6	T W L E E V A C L I A E G I D R L T E A P L S R F L F Q E P L S Y S L P A L E			
UniRef90_K1ZNX6	D T I K A L I P L V K E R I E T K V R D V V G L T K F I F E T P T I N K E L V N K			
UniRef90_G2IEN1	L L C E M I Q N R I E I L S Q V I P E L I D F L I N T Y D H K K M K T			
UniRef90_Q0RF57	A F F A A V A G L A Q S R V S V L A E L V P M V D F L F L P A A P V D D A A W A			
UniRef90_A2BPV5	E W A N K L A L T R D S M T L K D S I D H Q S K P F F L P T I Q K E Q D F L			
UniRef90_D0J9A8	Y L Y K V I H L T I D R L H F V H E I W E H S F Y F F L S P N S Y E S S S Q I			
UniRef90_A1WN86	N R L A R I C A L F K D R C D T T V A L A N W A Q V F Y A D V T P A E T E R A L			
UniRef90_B8LPV9	P F V N E V A E L L K D G I E L V S D S T Q A L V N L F S Y P L Q S T L A S P E			
UniRef90_S5MIC3	K W I N D V L L L F K K E L E F G Q V N E H L D I F F N K E M Q T I E V L K			
UniRef90_UPI0003B7A968	R R L K S L L P E L L K R V D V Y V D L K D D F E W I T E D N F L C K D E N K L			
UniRef90_A5CD02	N L I K Q G M S G L K S R A N L L T D L A E N A K I Y V S Q L T F N E A L N I			
UniRef90_B7RPS5	A Q L E R A M Y C L K D R A K T F E L L E K A A F V L N R P I Q P D E K A I K			
UniRef90_E3ELN8	V V L T A S A P L I Q P R V R L L G E V A G M V G E E Y L E P A D D A R K Q L K			
UniRef90_S5MFF2	E W I E S V L L F K K E L E F G L Q I N D H L D I F F N K D D D K S K E V L			
UniRef90_U2T0U7	A K L K R I V E I S R E K A H T L K E P E I A S I Y F F E D E F E M N K K E R K			
UniRef90_W5WY12	H W Q E R S V E V F K T S M E T L V D A I E L Y R P L N D A S Y V T H P E S E E			
UniRef90_UPI0003B45D5A	D R M S R A M Y C L K D R A K K F P D L I E K A E F A L N A R P V E P D E A S A			
UniRef90_UPI00040467D3	E L L T A A A P L I Q T R I Q L R E E C R D M L G F L F V D D A D L V I D G R R			
UniRef90_R7L7K7	D Y V E R V E L L C Q P K A A N L E C F P S M V E F F F N D A Y K F D A A A R E			
UniRef90_E3HAY9	E Y V K R I V E I L R E G T H F L K E L A E G A Q F Y N D D Y E V N E D M N K			
UniRef90_UPI0003103C74	E K L T K I V S L F Q S R I S Y L A E I V H L Y A Q R F V E P K E V N E E F L K			
UniRef90_T0Z5T7	E Q L P P I A A M V Q S R I R R L D E V P S L L I E F A F T E P M P P E P D A A R			
UniRef90_E8Q765	P K L F D V V Q L L S K S N T L R E M F L S I H R E F N L F D N P T D A K F			
UniRef90_A4RZ66	A T V Q A I L P L I K E S E L V R E D A V P Q V Q R A M F E F P L M G D D A M K K			
UniRef90_R5SGJ9	Y D L K K I A E L L K T R I E V F P D I K E K I D F F E E L P M Y T H K K M K T			

UniRef90\_Q9ZCT8  
UniRef90\_K2GLV6  
UniRef90\_E8QY82  
UniRef90\_R6AB12  
UniRef90\_B6BTN5  
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UniRef90\_A0A059FUL3  
UniRef90\_Q119Z5  
UniRef90\_M4X4J9  
UniRef90\_UPI00046EE876  
UniRef90\_H1PVD2  
UniRef90\_UPI0003FA52E7  
UniRef90\_K2K5X6  
UniRef90\_T0ZVP2  
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UniRef90\_Q163X3  
UniRef90\_R9M6V4  
UniRef90\_K9T412  
UniRef90\_B9L7E4  
UniRef90\_S2WFP3  
UniRef90\_W6AI46  
UniRef90\_UPI000412EB9E  
UniRef90\_W8VUR9  
UniRef90\_M7NVK3  
UniRef90\_K2EHH1  
UniRef90\_X1KSZ7  
UniRef90\_K2D4M6  
UniRef90\_G9PU35  
UniRef90\_UPI0003B5E739  
UniRef90\_P59423  
UniRef90\_UPI00034C439F  
UniRef90\_R6QWY8  
UniRef90\_X1DX06  
UniRef90\_D3EQ54  
UniRef90\_F9EHS7  
UniRef90\_C8WGN0  
UniRef90\_A8EY39  
UniRef90\_Q5PAG8  
UniRef90\_B7K6X0  
UniRef90\_Q0FPY8  
UniRef90\_V5RLT1  
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UniRef90\_UPI00036F2A9A  
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UniRef90\_A0A037ZEF7  
UniRef90\_UPI0003B763E6  
UniRef90\_K1RFG9  
UniRef90\_A9BGT8  
UniRef90\_F5RKK1  
UniRef90\_A0A023X6F0  
UniRef90\_Q8RDZ8  
UniRef90\_J3JQ6  
UniRef90\_H2CIX7  
UniRef90\_A8EQW9  
UniRef90\_UPI0003B496A4  
UniRef90\_Q2JRD6  
UniRef90\_K1ZNX6  
UniRef90\_G2IEN1  
UniRef90\_Q0RF57  
UniRef90\_A2BPV5  
UniRef90\_D0JA8  
UniRef90\_A1WN86  
UniRef90\_B8LPV9  
UniRef90\_S5MIC3  
UniRef90\_UPI0003B7A968  
UniRef90\_A5CD02  
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UniRef90\_E3ELN8  
UniRef90\_S5MFF2  
UniRef90\_U2T0U7  
UniRef90\_W5WY12  
UniRef90\_UPI0003B45D5A  
UniRef90\_UPI00040467D3  
UniRef90\_R7L7K7  
UniRef90\_E3HAY9  
UniRef90\_UPI0003103C74  
UniRef90\_T0Z5T7  
UniRef90\_E8Q765  
UniRef90\_A4RZ66  
UniRef90\_R5SGJ9

	130	140	150	160	
UniRef90_Q9ZCT8	K L N D I M K P V V R A L I T G M T A S	140	V F E L A E T L	150	G K E N L K R L K R M
UniRef90_K2GLV6	G L G Q I A A P L R R A A L V T G R Q M A T P S S V F D M M I V L				G R D E G T L A R R L A K
UniRef90_E8QY82	K L G D V V N T L R V A V T G T Q G K G P G L Y D C L T L				G R E E Y C R Q R R L A
UniRef90_R6AB12	G K G K P W N P W R V C L V T G T Q G K G P D M Y E L A A F L				G K E E T L A R R R M A
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Q D P D I P Q V V M A A F K S K L A A L Q V V V A P A V Q A V L N K G I T K A E L K V  
D F V L Q A A D L L P E G D L T A E T W S E W T N A V T K A A T G R  
M R K N I P D E L Y H R I S S H Q M L S E F P E E E T G Y E R E K A V E A D P E L  
W T E Q K E E F F H S F S E L L L G S A A L T S A E L E E Q F K E L A Q E R S L L  
A L L T A D A K I L R J D D I L S L A T A T W D L D G L K A A I N A Y L A E K S L L  
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K Y D M L R Q W L P E M A D R I S K I P D F T K P A L E P V L E K V L K K M G V  
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L Y E P L P R A V S N T I E R L A A E T S W S L D L E S I R E E A R K T G L  
N S N E D T K N N L E K S R N T L E N I S D A D W T L E N I E K L L L E T A G D  
L K D N A P Q V L A A A K V I A D L P E D P A E V K A A M S Q V M V E E M G L V  
K H P V A R Q P L E V V R A G K L S A L T D W S A E N V H H A I Q A T A D E L E V  
L A D E L R R V G G A L V A A H D G A S P D F E A E W K S A V K S F G K E L L G L  
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D H D F I S A A F D L L P S E P W S R E T W K E W T D A V K T Q S G R  
Y I T D I I J K L A L M E C V L Q F S N I I W E K O L N I T L K K L L E K F K L  
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K H P V A R Q P L E V A R A K L A A L T E W T P E N I H H A I S Y M  
P S S T N V P M V L S R L L H G L Q T C S W K S S S L H E L L K D I A I T F N L  
F T D E E L S V V K F K Y L L L N Y D F N V E S I L Q E C I N K K T S S E L N V  
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L Q E G A K A A I S H L I D A L Q A E R W M D F D Q A Q T L L G D A A K A A G V  
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K E D V L A V L N G L K D K L V N G G D D L D Y S Q A I K E V G K E T G V  
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P E D R A F L Q H A L D T L P A E P W G E E T W K D W T N A L K E Q S G R  
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V A D A A F A A Q A A A L L P P E P W D G G T W K A W G D A V K A R L G L  
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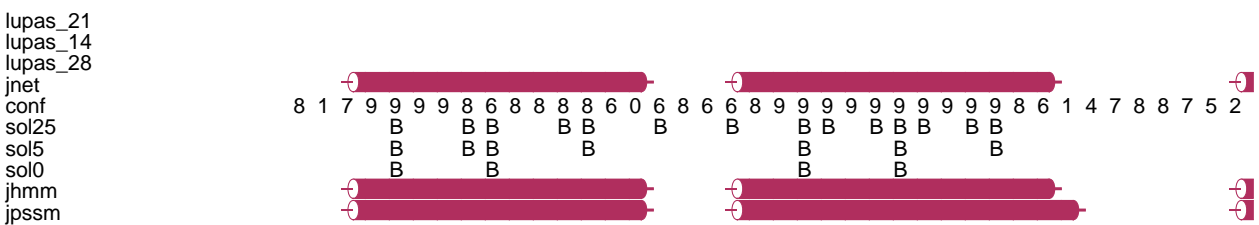
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UniRef90_G0NYC8	D L T	E R E I L	A Q Y E	E R V N
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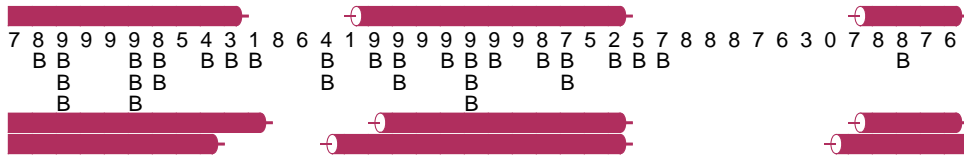


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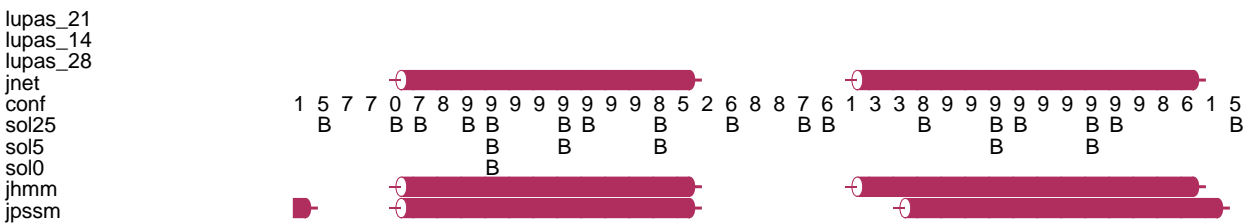
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