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QUERY	130	140	150	160
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UniRef90_UPI00036B1EB7	GLL	GLL	GLL	GLL
UniRef90_S0J988	GLL	GLL	GLL	GLL
UniRef90_F4XEX9	GLL	GLL	GLL	GLL

QUERY P D G E E E V A K K K T F N N P R L G I G I K G Q G G I S S I L L G G T T T G I F V I E P W C K K L V I E T
UniRef90_R7DCW3 P E G E E E I A K K K T F N N P R L G I G I K G Q G G I S S I L L G G T T T G I F V I E P M S E E K A L L I Q
UniRef90_W1U4N1 P Q K G E E E I A K K K T F N N P R L G I G I K G Q G G I S S I L L G G T T T G I F V I E P M S E E D S L L K A
UniRef90_K6TXK8 P P D G E E E V L A E R T T F N N P R L G I G I V T G G G I S S I L L G G T T T G I F V I E P M S E E D A L L K E
UniRef90_E3GJD8 E D D G E E E I A K K K T F N N P R L G I G I V T G G G I S S I L L G G T T T G I F V I E P F S S S S A Y M A
UniRef90_UPI0002DD02C0 P D G E E E I A K K K T L N A R L G I G I V T G G G I S S I L L G G T T T G I F V I E P F S S S S A Y M A
UniRef90_K1KKY1 P D G E E E I A K K K T F N N P R L G I G I Q T G G G I S S I L L G G T T T G I F V I E P M S E E D A L L K A
UniRef90_U5MTU1 P E N G E E I A K K K T F N N P R L G I G I T E G G G I S S I L L G G T T T G I F V I E P M S E E K A L L I D
UniRef90_S0FRY1 P E G G K E E V A N K K T F N N P R L G I G I T E G G G I S S I L L G G T T T G I F V I E P M S E E D A L I K E
UniRef90_N9WKD8 P E G G E E L A K K K T F N N P R L G I G I V V G G G I S S I L L G G T T T G I F V I E P F S T S S Y K A
UniRef90_E6MI75 P D G E E E I A K K K T M N G R L G I G I V V G G G I S S I L L G G T T T G I F V I E P M S E E Q A L I D
UniRef90_UPI0003FD1319 P E G A E R L A K K E T F N N P R L G I G I E G G G I S S I L L G G T T T G I F V I E P M S E D E G W K K
UniRef90_R7FVP5 P R G S E E I A K K K T F N N P R L G I G I V V G G G I S S I L L G G T T T G I F V I E P M S E E K A L L I D
UniRef90_UPI00047CDD99 P P G E E E I A K K K T F N N P R L G I G I L V G G G I S S I L L G G T T T G I F V I E P F S S S S A Y M A
UniRef90_R6L551 P P R G E E K I A K K T F N N P R L G I G I L V G G G I S S I L L G G T T T G I F V I E P M S E E K A L L I D
UniRef90_B1HRF2 P P R G E E I A K K K T L N G R L G I G I L V G G G I S S I L L G G T T T G I F V I E P F S S S S A Y M A
UniRef90_A6LVU2 P P G G E A V I A K K T F N N P R L G I G I V V G G G I S S I L L G G T T T G I F V I E P M S E E D A L L K A
UniRef90_W0EPU8 P P E G E A I A K K K T F N N P R L G I G I V V G G G I S S I L L G G T T T G I F V I E P M S E E K A L L I D
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UniRef90_B2UXF7 P Q G G T E I G K K T F N N P R L G I G I E E G G G I S S I L L G G T T T G I F V I E P M S E E D A L L K A
UniRef90_UPI000465DCEE P K G E E E V A K K K T F N N P R L G I G I V E G G G I S S I L L G G T T T G I F V I E P M S E D E G W K K
UniRef90_R6SJU7 P D G G E E I A K K K T M N P R L G I G I V G G G I S S I L L G G T T T G I F V I E P M S E D D A L L K E
UniRef90_R6QCV9 P D G G E E I A K K K T F N N P R L G I G I V G G G I S S I L L G G T T T G I F V I E P M S E E K A L L I D
UniRef90_R5J1J5 P D G G E E I S K K T F N N P R L G I G I K G G G I S S I L L G G T T T G I F V I E P M S E E K A L L I D
UniRef90_T0BDX9 P D G G E E I A K K K T L N E R L G I G I V G G G I S S I L L G G T T T G I F V I E P F S T A S Y K A
UniRef90_A6V3I3 E G G E A L A L K T M N P R L G I G I L V G G G I S S I L L G G T T T G I F V I E P F S C S A Y I A
UniRef90_Q3JSE4 P E N G E E A L A R K K T M N P R L G I G I V V G G G I S S I L L G G T T T G I F V I E P F S C C S A Y I A
UniRef90_U4WXF4 P D G G E E I A K K K T L N G R L G I G I V V G G G I S S I L L G G T T T G I F V I E P F S T A S Y K A
UniRef90_D5BRA4 P D G D K I A L K T W N P R L G I G I E G G G I S S I L L G G T T T G I F V I E P F S C S A W I A
UniRef90_Q0TR61 P R G R E I A K K T F N N P R L G I G I V D G G I S S I L L G G T T T G I F V I E P M S E E A L L K E
UniRef90_B0NJA5 P D G E E R L A K K T F N N P R L G I G I N G G G I S S I L L G G T T T G I F V I E P M S E E Q A L I D
UniRef90_Q48DG3 E G G E A L A L K T M N P R L G I G I L V G G G I S S I L L G G T T T G I F V I E P F S C A A Y I A
UniRef90_UPI00047BB0D3 P D G G E Y I A R K K T F N N P R L G I G I V G G G I S S I L L G G T T T G I F V I E P M S D A A Y I E
UniRef90_S6J674 Q D G G E A L A L K K T M N P R L G I G I L V G G G I S S I L L G G T T T G I F V I E P F S C A A Y I A
UniRef90_R7GRD4 P Q G G E E I A K K K T F N N P R L G I G I L L G G G I S S I L L G G T T T G I F V I E P M S E E K A L I E
UniRef90_L0M4F4 P E G G E A R A Q K T Y N A R L G I G I S S I L L G G T T T G I F V I E P M S E E E A W K R E
UniRef90_D7CLW9 P P G G K E I A E K T F N N P R L G I G I E G G G I S S I L L G G T T T G I F V I E P M S E E E A L K E
UniRef90_M4WUV8 E G G A E L A L K T M N P R L G I G I L V G G G I S S I L L G G T T T G I F V I E P F S C S A Y I A
UniRef90_A9KP87 P Q G G V E I A K R T F N N P R L G I G I V T G G G I S S I L L G G T T T G I F V I E P M S E E A A L I E
UniRef90_C6L9S4 P P G G E E I A L R T F N N P R L G I G I V T G G G I S S I L L G G T T T G I F V I E P M S E E E A L V A
UniRef90_A6TJE5 P K G G Q E E V A K K T F N N P R L G I G I Q T G G G I S S I L L G G T T T G I F V I E P M S E E E A M K D
UniRef90_S2YQX9 P E G G E Q I A K K T F N N P R L G I G I T T G G G I S S I L L G G T T T G I F V I E P M S E E Q A L I D
UniRef90_F0SZ45 P P G G E K I A K K T F N N P R L G I G I E E G G G I S S I L L G G T T T G I F V I E P M S E E K A W I
UniRef90_U2PPM1 P E G E E V A K R T F N N P R L G I G I L L G G G I S S I L L G G T T T G I F V I E P M S E E A L K E
UniRef90_F7JNP5 P E G R K I A E R T F N N P R L G I G I L L G G G I S S I L L G G T T T G I F V I E P M S E E K A L T D
UniRef90_N2J740 P E N G E V L A E K T M N A R L G I G I L V G G G I S S I L L G G T T T G I F V I E P F S C A A Y I A
UniRef90_UPI00047D2EFF P E G A R V G A R T F N N P R L G I G I V G G G I S S I L L G G T T T G I F V I E P M S E E A F K D
UniRef90_R4YN27 V N G E Q I A L K K T M N P R L G I G I L V G G G I S S I L L G G T T T G I F V I E P F S C A A Y I A
UniRef90_R4K0V9 P K G E E I A K K T F N N P R L G I G I E E G G G I S S I L L G G T T T G I F V I E P M S E E A A L K E
UniRef90_F7KC06 P E G E A L A G R T F N N P R L G I G I E E G G G I S S I L L G G T T T G I F V I E P M S E E A A L L D
UniRef90_F0YXC1 P E G R K L A S R T F N N P R L G I G I E E G G G I S S I L L G G T T T G I F V I E P M S E E K A L T D
UniRef90_Q5KZ00 P P G G E E I A K K T L N P R L G I G I M G G G I S S I L L G G T T T G I F V I E P F S T A A Y R A
UniRef90_U2CKQ6 P R G E E E V A K K T F N N P R L G I G I I T G G G I S S I L L G G T T T G I F V I E P M S E E A L K E
UniRef90_UPI00047C9F06 P P E G E E I A K K K T L N G R L G I G I L V G G G I S S I L L G G T T T G I F V I E P F S T A S Y K A
UniRef90_B9DZM2 P P E G E K I A K K T F N N P R L G I G I V V G G G I S S I L L G G T T T G I F V I E P M S E E A L K E
UniRef90_UPI0002F9A202 P E G E E M A K K K T L N G R L G I G I L V G G G I S S I L L G G T T T G I F V I E P F S T A A Y K A
UniRef90_D9S0S8 P G G E E K V A E K T F N N P R L G I G I V V G G G I S S I L L G G T T T G I F V I E P M S L E S L K E
UniRef90_R7IM82 P G G E E I A K K Q T F N N P R L G I G I T T G G G I S S I L L G G T T T G I F V I E P M S N Q A L I K D
UniRef90_D4KEP2 P K G V E L A K K T L N P R L G I G I E G G G I S S I L L G G T T T G I F V I E P M S E E G F K N
UniRef90_R7A2H4 P N G E E L A E K T F N N P R L G I G I V G G G I S S I L L G G T T T G I F V I E P M S N Q A V L D
UniRef90_I3VYP5 P G G E T V A L K T F N N P R L G I G I V G G G I S S I L L G G T T T G I F V I E P M S E D A Y K S
UniRef90_J7U2D8 P E G E E R A K K T Y N G R L G I G I L V G G G I S S I L L G G T T T G I F V I E P M S E E S W K R
UniRef90_UPI00040DCE08 P R G E E I A E K T F N N P R L G I G I V V G G G I S S I L L G G T T T G I F V I E P M S D D A L I V Q
UniRef90_W0FGE4 P E G A A L A A K T F N N P R L G I G I V V G G G I S S I L L G G T T T G I F V I E P M S E E A A L I D
UniRef90_R5GYI2 P D G E A L A K K T F N N P R L G I G I Q G G G I S S I L L G G T T T G I F V I E P K S V Q A L I D
UniRef90_G8LZA5 P Q G G V E I A K K T F N N P R L G I G I V E G G G I S S I L L G G T T T G I F V I E P M S E A A L I D
UniRef90_R9KEE3 P K G E E I A G R N T F N N P R L G I G I V V G G G I S S I L L G G T T T G I F V I E P M S S Q A L L I D
UniRef90_UPI00047C2083 P G G E E I A K K T F N N P R L G I G I V G G G I S S I L L G G T T T G I F V I E P M S D E A I V A
UniRef90_G7M092 P P G G A E V A K K T F N N P R L G I G I E E G G G I S S I L L G G T T T G I F V I E P M S E E E A L K A
UniRef90_UPI00039423EF P E G E R A K K Q T Y N A K L G I G I E N G G I S S I L L G G T T T G I F V I E P M S E E S W K R
UniRef90_R9IZR5 P E G E K L S K H T F N N P R L G I G I V G G G I S S I L L G G T T T G I F V I E P M S S Q A L L I D
UniRef90_UPI000429DAC5 P K G E E E V S K K T F N N P R L G I G I V V G G G I S S I L L G G T T T G I F V I E P M S E D A L L K A
UniRef90_R7N1F6 P G G E E L A K Q T F N N P R L G I G I V V G G G I S S I L L G G T T T G I F V I E P M S N Q A L L I D
UniRef90_C9RDJ8 P K G E E L A K K T L N P R L G I G I V V G G G I S S I L L G G T T T G I F V I E P M S N E A Y M N
UniRef90_R9L9H1 P D G Q R V I A A K T Y N P R L G I G I V V G G G I S S I L L G G T T T G I F V I E P M S G A A L I Q
UniRef90_R7CP83 P E G V E I A K K T F N N P R L G I G I V V G G G I S S I L L G G T T T G I F V I E P M S E A A L V Q
UniRef90_C4ZB06 P K G K E L A E R T F N N P R L G I G I V V G G G I S S I L L G G T T T G I F V I E P M S S Q A L I D
UniRef90_F4LUT3 P D G E E V A E R T F N N P R L G I G I K G G G I S S I L L G G T T T G I F V I E P M S T E A L K D
UniRef90_R5EKC8 P D G E E T L A K K T F N N P R L G I G I E E G G G I S S I L L G G T T T G I F V I E P M S E Q A L V D
UniRef90_R6MJL1 P N G E E I A K K T F N N S R L G I G I E E G G G I S S I L L G G T T T G I F V I E P M S E K A L L I D
UniRef90_R6BSA3 P G G E E V A K K T F N N P R L G I G I E E G G G I S S I L L G G T T T G I F V I E P M S E K A L I A
UniRef90_UPI0001E2CC0A P Q G G E I A K K T F N N P R L G I G I M G G G I S S I L L G G T T T G I F V I E P M S E S S L I E
UniRef90_H6LI76 P Q G G E I A K R T F N N P R L G I G I E G G G I S S I L L G G T T T G I F V I E P M S E E A L K A
UniRef90_C6PWVW0 P K G E E E V A K K T F N N P R L G I G I H V G G G I S S I L L G G T T T G I F V I E P M S E E A L T K E
UniRef90_A0A037Z6H3 P K G E E I A P K T F N N P R L N I G I V V G G G I S S I L L G G T T T G I F V I E P M S E D A L K E
UniRef90_X5DDV3 P E G E A L A K Q T F N N P R V G I G I V V G G G I S S I L L G G T T T G I F V I E P Y S N E A Y Q M
UniRef90_UPI00036B1EB7 P K G E E I A K K T L N P R L G I G I E E G G G I S S I L L G G T T T G I F V I E P M S N E A Y R E
UniRef90_S0J988 P E G A A L A E H T F N N P R L G I G I E E G G G I S S I L L G G T T T G I F V I E P M S E A A L I S
UniRef90_F4XEX9 P G G E E A A Q R T F N P H L G I G I E E G G I S S I L L G G T T T G I F V I E P M S V Q A L V D

QUERY	250	260	270	280
UniRef90_R7DCW3	E T I D M A V N I L F I	G S H G K F V K V	W A G G M N T H S	E R A R E E G V R V
UniRef90_W1U4N1	F A L E E T C V S I	L G H G K M S K I	A Y G G F N T H S	H S A R V I N G V R L E
UniRef90_K6TXK8	L A L E E T C V S I	L G H G K M S K I	A Y G G F N T H S	R V A D D G R R L E
UniRef90_E3GJD8	F M L E E A K K I L F V	G H G K L V K V	A G G L F N T H S	A R V A D D G R R L E
UniRef90_H2JDF6	E T L D Y A K N I L L I	G H G K L C K I	A G G I M N T H S	A R T A D D G R R L E
UniRef90_UPI0002DD02C0	F S M K Q A C K V S L V	G M G K F S K V	A Q G V M M V H S	K S A P I S F L F L A
UniRef90_K1KKY1	F T L K H T A R V S L V	G M G K F S K V	A Q G V M M V H S	K S A P I S F L F L A
UniRef90_U5MTU1	F A L E E C C K S I	V L V G H G K M S K	I A Y G G F N T H S	K S A R T I N G V R L E
UniRef90_S9FRY1	E T I D Y V K N I L L I	V G H G K L C K I	A G G I M N T H S	R T A D D G R R L E
UniRef90_N9WKD8	F A L E S A V E I L L V	G H G K L S K V	A Y G G F N T H S	R V S D V R L E
UniRef90_E6MI75	F M L E Q A K R I L F I	V G H G K L C K I	A G G I F Q T H S	A V S R V A D D G R R L E
UniRef90_UPI0003FD1319	F A A K Q A K E I R F V	G M G K F S K V	A A G G I M M V H A K R A	A V D F A R L L E
UniRef90_R7FVP5	Q T I D M A V E V L L V	G H G K L T K V	S G G I M N T H S	R W A D C R M E
UniRef90_UPI00047CDD99	Y T I L K E A K K I L M A	G H G K F I K V	S A G I F N T H S	K I A D A R S E
UniRef90_R6L551	E T I D M A V D I L F I	S H G K F V K V	A A G I M N T H S	H S A P I D F N F L A
UniRef90_B1HRF2	F T L K H C K R V S L V	G M G K F S K V	A Q G V M M V H S	K S A P I D F N F L A
UniRef90_A6LVU2	F A L E E T C V S I	L G H G K M S K I	A Y G G F N T H S	K R Y A D D G R R L E
UniRef90_W0EPU8	E M L D F T V E L L V	G H G K L V K V	A A G I M N T H S	M Y G D H R M E
UniRef90_UPI00047B9EC6	D T V K I A S R I L F V	G H G K L V K V	A G G I G N T H S	R W A D D A R L E
UniRef90_U2BHN9	E A L D K A V E I L L V	G H G K L V K V	L G T G V F N T H S	R W A D D A R L E
UniRef90_S6EQH3	F A L E C C V E A I L I	V G H G K L S K I	A Y G G F N T H S	R V C D G R R L E
UniRef90_B2UXF7	F A L E C C V S I L I	V G H G K M S K I	A Y G G F N T H S	R V C G V R L E
UniRef90_UPI000465DCEE	Y M L K E A K K I F M A	G H G K F I K V	S A G I F N T H S	K R A D A R N E
UniRef90_R6SJU7	Q S M D M A A D L V L A	G H G K L I K V	S G G V M N T H S	R W A D C R M E
UniRef90_R6QCV9	F S I D C C V E I L L I	V G H G K F A K L	A G G I M N T H S	H N A D D G R I E
UniRef90_R5J1J5	D S L D M A V E V L L V	G H G K L T K V	L A A G V M N T H S	S S V I A D D G R M E
UniRef90_T0BDX9	F S A K H A K E V R F V	G M G K F S K V	A A G V M M V H A K S A	P I D F G F L A
UniRef90_A6V3I3	A V L K H P V E K L S L	G F G K I S K L	A G G H L D L H S	R H S S I I D L P L L A
UniRef90_Q3JSE4	A V L K Y S V A R L T L	G F G K L S K V	L A A G H L D L H S	R H S S S I I D L P L L A
UniRef90_U4WXF4	F S A K Q G S F R H I M	V L G M G K L S K V	A A G A M M V H S	K G S S V D D F F L L A
UniRef90_D5BRA4	G M L K Y P V P R L T I	V G F G K L V K M	A Q G A V D L H S	A R S Q V D F F E K L L A
UniRef90_Q0TR61	F S I E C A K D L T I V	A G H G K M I K V	T A F G G F N T H S	R V S D V R L E
UniRef90_B0NJA5	Q T I L D M A A E I L V A	G H G K M I K V	A G G I M N T H S	R W A D D C R M E
UniRef90_Q48DG3	A V L K H P V D K L S L	G F G K I S K L	A A G H M D L H S	R H S S I I D L P Q L L A
UniRef90_UPI00047BB0D3	D T V L E N A A K L L F V	G H G K L V K V	A G G I K N T H S	M Y G D H R M E
UniRef90_S6J674	A V L K H P V D K L S I	V G F G K L S K V	A A G H M D L H S	R H S S I I D L P Q L L A
UniRef90_R7GRD4	E T I D M A I D I L F V	A H G K F V K V	A A G I M N T H S	H C A D D G R M E
UniRef90_L0M4F4	Y M L D E A V R L V L I	V G H G K L I K I	A A G I F H T H S	H I A D A R M E
UniRef90_D7CLW9	S L L D S C L E Q L L V	G H G K L I K I	A A G G I F H T H S	R V A D A R M E
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UniRef90_E0RJB8	G	L	E	Q	P	V	G	N	A	A		N	K	V	P	R	S	M	I	L	K	A	V	E	D	V	C	S	E	Y	D	G	Y	E	G	S	I	V
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UniRef90_R6IMM7	G	L	E	Q	P	V	G	N	A	A		N	K	V	P	R	S	M	I	L	K	A	V	E	D	V	C	S	E	Y	D	G	Y	E	G	S	I	V
UniRef90_R7JRP8	G	L	E	Q	P	V	G	N	A	A		N	K	V	P	R	S	M	I	L	K	A	V	E	D	V	C	S	E	Y	D	G	Y	E	G	S	I	V
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UniRef90_W6RSS3	G	L	E	Q	P	V	G	N	A	A		N	K	V	P	R	S	M	I	L	K	A	V	E	D	V	C	S	E	Y	D	G	Y	E	G	S	I	V
UniRef90_I0XAM8	G	L	E	Q	P	V	G	N	A	A		N	K	V	P	R	S	M	I	L	K	A	V	E	D	V	C	S	E	Y	D	G	Y	E	G	S	I	V
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UniRef90_K8QYX4	G	L	E	Q	P	V	G	N	A	A		N	K	V	P	R	S	M	I	L	K	A	V	E	D	V	C	S	E	Y	D	G	Y	E	G	S	I	V
UniRef90_U5RRM0	G	L	E	Q	P	V	G	N	A	A		N	K	V	P	R	S	M	I	L	K	A	V	E	D	V	C	S	E	Y	D	G	Y	E	G	S	I	V
UniRef90_UPI0003B33E8C	G	L	E	Q	P	V	G	N	A	A		N	K	V	P	R	S	M	I	L	K	A	V	E	D	V	C	S	E	Y	D	G	Y	E	G	S	I	V
UniRef90_NOBJD3	G	L	E	Q	P	V	G	N	A	A		N	K	V	P	R	S	M	I	L	K	A	V	E	D	V	C	S	E	Y	D	G	Y	E	G	S	I	V
UniRef90_R6V7L8	G	L	E	Q	P	V	G	N	A	A		N	K	V	P	R	S	M	I	L	K	A	V	E	D	V	C	S	E	Y	D	G	Y	E	G	S	I	V
UniRef90_H1PTG2	G	L	E	Q	P	V	G	N	A	A		N	K	V	P	R	S	M	I	L	K	A	V	E	D	V	C	S	E	Y	D	G	Y	E	G	S	I	V
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UniRef90_R5HAS7	G	L	E	Q	P	V	G	N	A	A		N	K	V	P	R	S	M	I	L	K	A	V	E	D	V	C	S	E	Y	D	G	Y	E	G	S	I	V
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UniRef90_R6RBY8	G	L	E	Q	P	V	G	N	A	A		N	K	V	P	R	S	M	I	L	K	A	V	E	D	V	C	S	E	Y	D	G	Y	E	G	S	I	V
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UniRef90_F2JUJ5	G	L	E	Q	P	V	G	N	A	A		N	K	V	P	R	S	M	I	L	K	A	V	E	D	V	C	S	E	Y	D	G	Y	E	G	S	I	V
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UniRef90_B0PB99	G	L	E	Q	P	V	G	N	A	A		N	K	V	P	R	S	M	I	L	K	A	V	E	D	V												

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T  
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UniRef90_H5VXH1	G	L	P	L
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UniRef90_UPI0003752A70 G W T T G A C A L A S T A A A A L I W T G R F P D P V S V R L P K G H T P A F A L
UniRef90_R9T8A6 G H T T G S C A T A A A K A A A V I M L S K K L S E V S I T T P N G T V L N L P I
UniRef90_R5IKH1 G L T T G S C A T A A A C A A A C A L F D G P D G V I D E I T L P K G V S L T L D V
UniRef90_UPI0004662B7C G L T T G S C A T A A G A Y A G L Y F L K N R L N Y V K I E N P N G D I L I I P I
UniRef90_F6BEW6 G Y T T G S C A A A G A Y A G L Y F L K N R L N Y V K I E N P N G D I L I I P I
UniRef90_UPI00047B3586 G W T T G A C A T A A T R A A W Q A L G R F T S P V K I T L P R G Q K P V F E L
UniRef90_K2L895 G Y T T G S C V A A A L K A S I I Y L G H R P Q K V A V L N P N G D R P E V P V
UniRef90_A3JV14 G W T T G T C A A G A A K A A F A A L G A F P D P V E V E L P N G A R P A F A L
UniRef90_UPI000373A5E7 G R T T G S C A T A A A M A G T L Y L G E C P E T V D V P L P P G G T L R V P I
UniRef90_A8IKS7 G W T T G A C A T A A A A F A A L R T G P D P V I S I R L P K N L A P A F A L
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UniRef90_F6D7G9 G F T T G A C A A A A K A A T R V L G E R L T H V E T M L P N R Q P V T F A L
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UniRef90_UPI000466DE53 G Y T T G T C A A L A A A G A R L L G T A P E T V A L R T P K G I V V E V A P
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S E D K V T A G V I K D G G D
A H G W A E A G I V K D A G D
S D G W A E V G I E K D A G D
D D Q S A Y C C M I K D A G D
E Q A S A R C C S I R K D S G D
K G G W A M C S V I K K D A G D
T G D R A M A A I I K D A G D
A E Q S A R A A V I K D A G D
A R E W A M A G L I K D A G D
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T R H T A S A A I I K D A G D
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D A A S A T A S I V K D A G D
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A Y C R A S I A G V V K D A G D
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A G E S A E C W V I K D A G D
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L F C R A E C A I E K D G G D
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D P D I T N G V T I W A S V G E G V G L V T T K P
D P D A T H K A K I I A T V C W G R V T T K P
D P D I T N G M Q I K V N I A L P F N M V T T M P
D Q D A T H G M I V Y S T V G K G G I G R V T T K K
D P D I T N G E F L E I E V G K G G V G Y I T T K E
H E S D I T R G L E F A A D A K E G V G V T T R S
D P D A T H G A R L T A D V R P G G V G T V T T K P
D P D V T H G A T I A R A G F G I G T V T T K P
D P D V T H G A L V R A T V R P G V G T V T T R P
K D D A T A G I E I V A Q A G E G I G R F T T R D
D P D A T H G M L F A R V A D G G I G K V T T R N
D P D V T H G A R I F A V E A D G G I G T V T T R T
D P D V T D G H R F C C T V R K G V G K V T T K K
D P D A T H G M D L F A R L R Q G G I G T V T T K K
D P D A T H G A T L F A R L L G V G T V T T R T
H D P D V T I N L E V Q A E V G E G V G R V T T K P

100
110
120

	130	140	150	160
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UniRef90_R4KLP1	G	L	Q	V
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UniRef90_UPI00036D0368	G	L	P	I
UniRef90_S9QGE1	G	L	P	I
UniRef90_I01593	G	L	G	L
UniRef90_R8W9N1	G	L	S	V
UniRef90_E7GLM2	G	L	S	V
UniRef90_Q1YF68	G	L	P	T
UniRef90_I4CF39	G	L	A	I
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UniRef90_UPI00046ED9D6	G	L	P	V
UniRef90_A0NRN7	G	L	P	I
UniRef90_C3WE47	G	L	Q	V
UniRef90_E4N261	G	L	P	L
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UniRef90_UPI0003752A70	G	L	P	L
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UniRef90_A3JV14	G	L	P	I
UniRef90_UPI000373A5E7	G	L	N	I
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UniRef90_M1WM41	G	L	P	I
UniRef90_K9H2C5	G	L	L	A
UniRef90_I2JP94	G	L	A	L
UniRef90_F6D7G9	G	L	Q	I
UniRef90_K2JPX6	G	L	P	P
UniRef90_S9NY26	G	L	G	L
UniRef90_UPI000466DE53	G	L	D	Q
UniRef90_G5IHY1	G	L	S	C
UniRef90_D4K604	G	L	D	Q
UniRef90_Q64TA9	G	L	G	L
UniRef90_J2L3T7	G	L	R	V
UniRef90_UPI00037480B0	G	L	G	L
UniRef90_M6DGH9	G	L	G	L
UniRef90_Q39YF3	G	L	G	V
UniRef90_UPI000368A14D	G	L	G	V
UniRef90_U2QDI2	G	L	D	Q
UniRef90_UPI00037566DC	G	L	S	L
UniRef90_J7QIJ2	G	L	P	L
UniRef90_B9JXA7	G	L	P	L
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UniRef90_R5TB65	G	L	Q	V
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UniRef90_W2C542	G	L	G	L
UniRef90_M9RR72	G	L	P	I
UniRef90_Q605I7	G	L	G	L
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UniRef90_S7TGC4	G	L	L	E
UniRef90_K6WBC5	G	L	P	V
UniRef90_N9X7Z8	G	L	V	G
UniRef90_UPI0003800FBB	G	L	I	D
UniRef90_D3S1D9	G	L	I	G
UniRef90_A1HPX8	G	L	A	V
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UniRef90_F3PF79	G	L	G	L
UniRef90_UPI0002492D55	G	L	A	N
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UniRef90_V6F3H9	G	L	P	L
UniRef90_UPI0002FFCE51	G	L	P	L
UniRef90_H8IAQ9	M	P	G	Y
UniRef90_I2B7S7	G	L	V	G
UniRef90_F6CST8	G	L	V	L
UniRef90_D2Z8F5	G	L	P	I
UniRef90_E0E2E0	G	L	D	I
UniRef90_X7E6R1	G	L	L	L
UniRef90_K6T3N6	G	L	Q	L

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T I H V E M N S K H V L A F F G N Y G V D F T R S N E W G I D T E I T C S N F I V G
S I E L E I R Q K H A V L L T P G N Y G G Q F S G H F H L N P V V F I S N F I V G
S L I R A A H Q R W C V M T P G R Y G Y D A A R K I Y P V T D L V E T S N F I V G
T I R T E V K R L L A A T T G R N Y S I T F L S K K I D K D I A V M T S N F I V Y
S S V E Q A V S V R V A V L S T G G R T E K A A M R L L P D E P E V E V G D F F T G G
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UniRef90_K9QKS7	G	L	G	K	A	D	D	Q	S	A	I	Y	S	Y	A	Q	R	L	L	Q	E	N	L	Q	R	M	L	T	Q	S	G	E	K	I	T	V	S	I	L	L	L	L			
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UniRef90_E6SSV1	G	L	G	L	D	L	G	K	P	A	I	N	A	T	P	R	K	M	I	E	D	N	L	V	K	R	Y	L	K	S	M	G	I	P	L	V	I	V	S	I	L	L	L		
UniRef90_E1JVJ0	G	L	P	V	P	V	G	Q	A	A	I	N	P	A	P	R	Q	Q	I	I	A	A	L	T	E	A	A	R	Q	C	G	Y	G	G	G	L	V	S	I	L	L	L	L		
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UniRef90_W3ASE2	G	L	H	Q	N	I	G	E	S	A	I	N	P	V	P	R	E	M	I	F	G	A	V	K	D	V	I	E	E	H	R	E	G	I	F	L	I	T	V	S	I	L	L	L	
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UniRef90_L0NIZ1	G	L	P	L	A	R	V	G	E	E	A	A	A	N	N	S	Q	G	A	R	K	M	I	E	A	D	A	V	A	G	P	M	A	G	Y	D	D	L	E	I	E	S	V	V				
UniRef90_Q97A63	G	L	G	L	P	L	G	S	E	A	A	A	N	N	R	T	P	R	R	H	T	I	E	S	A	V	R	E	A	I	G	P	A	F	R	G	A	D	V	V	E	I	F	A				
UniRef90_V1WJ41	G	L	P	I	P	A	G	E	E	A	A	A	N	N	P	S	P	R	R	A	M	I	Q	Q	A	V	N	G	E	I	A	A	Q	F	N	V	P	G	E	V	E	I	S	V				
UniRef90_W8KDN4	G	L	P	I	P	P	A	G	E	E	A	A	A	N	N	P	S	P	R	R	A	M	I	Q	Q	A	V	N	G	E	I	A	A	Q	F	N	V	P	G	E	V	E	I	S	V			
UniRef90_F8JFZ4	G	L	D	C	E	Q	G	K	W	A	V	N	T	G	P	R	R	M	I	A	E	N	L	H	H	A	G	L	D	A	G	C	W	L	L	E	I	E	S	V	V							
UniRef90_E5Y1G7	G	L	D	C	E	Q	G	K	W	A	V	N	T	G	P	R	R	M	I	A	E	N	L	H	H	A	G	L	D	A	G	C	W	L	L	E	I	E	S	V	V							
UniRef90_K9RY41	G	L	G	R	A	N	T	G	E	E	A	A	A	N	Y	S	Y	A	R	R	L	F	D	A	N	L	L	P	L	I	P	P	D	Q	T	A	T	V	V	T	S	E	I	L	V			
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UniRef90_S0FVL9	G	L	E	I	P	P	G	H	P	A	V	N	S	G	P	R	Q	M	I	T	S	V	V	E	E	M	L	A	D	S	G	F	A	G	V	I	E	I	R	I	F	V						
UniRef90_L0HCP4	G	V	L	G	Y	K	A	V	G	T	P	A	V	S	P	P	A	L	A	C	I	H	I	A	V	E	E	A	M	K	E	A	G	F	G	L	E	I	E	R	T	S	V					
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UniRef90_K9WK41	G	L	G	R	Q	G	G	K	A	A	A	N	Y	A	P	A	E	R	L	F	Q	D	N	L	R	R	Q	L	A	P	S	E	E	K	I	Q	V	T	V	I	L	V						
UniRef90_R7JBQ5	G	L	G	L	D	V	V	G	E	E	A	A	A	N	Q	T	P	R	R	M	E	T	E	L	H	R	L	V	V	A	S	G	R	K	I	S	V	T	V	I	L	V						
UniRef90_C4XLT7	G	L	P	V	A	V	G	Q	A	A	A	N	P	A	P	R	A	Q	I	A	A	A	V	L	A	E	V	A	R	E	Y	F	D	G	G	L	T	R	T	V	V							
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UniRef90_W6WCX6	G	L	P	L	P	V	G	E	E	A	A	A	N	N	P	V	P	R	R	M	I	E	A	Q	A	L	A	E	V	A	P	E	G	A	D	F	V	E	I	S	V							
UniRef90_E1R8J8	G	L	A	G	K	V	G	E	E	A	A	A	N	N	P	I	P	R	R	M	I	R	E	E	L	L	P	L	P	E	G	K	G	C	F	R	V	V	E	I	S	V						
UniRef90_P73423	G	L	A	G	K	Q	E	G	E	E	A	A	A	N	N	P	I	P	R	R	M	I	R	E	E	L	L	P	L	P	E	G	K	G	C	F	R	V	V	E	I	S	V					
UniRef90_W9H263	G	L	P	I	P	P	G	E	E	A	A	A	N	N	P	I	P	R	R	M	I	R	E	E	L	L	P	L	P	E	G	K	G	C	F	R	V	V	E	I	S	V						
UniRef90_R7DTV4	G	L	D	C	E	Q	H	K	W	A	V	N	Q	G	P	R	R	M	I	A	D	N	L	A	R	S	G	M	R	E	G	C	W	L	A	E	I	E	S	V	V							
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UniRef90_A5EGH4	G	S	G	V	G	T	V	T	P	A	V	N	P	V	P	R	E	M	I	J	A	I	A	D	E	A	A	T	A	G	R	D	V	E	V	E	I	A	I	L	V							
UniRef90_K9UXK8	G	L	G	K	S	T	G	E	E	A	A	A	N	Y	S	F	A	R	R	L	F	D	A	N	L	L	G	L	I	P	Q	D	K	S	L	T	V	K	V	I	L	V						
UniRef90_R7B5K2	G	L	S	C	P	A	V	G	H	Y	A	V	N	P	V	P	R	T	Q	I	F	R	E	A	A	L	A	R	R	E	A	G	L	P	L	R	O	L	R	V	I	S	V					
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UniRef90_I3XZM7	G	L	K	I	A	P	H	F	P	A	V	N	P	V	P	K	D	A	L	Q	K	T	F	E	R	L	T	R	P	H	N	L	H	L	H	C	A	I	R	V	I	S	V					
UniRef90_K9UJA7	G	V	G	K	Q	S	N	L	P	A	V	N	Y	K	Y	A	R	Q	L	L	Q	E	N	L	L	G	L	L	T	P	A	G	E	K	I	R	V	T	I	L	V							
UniRef90_D8FV00	L	V	G	Q	E	G	E	E	A	A	A	N	Y	S	Y	A	R	Q	L	L	Q	E	N	L	L	R	S	L	T	P	G	E	K	I	R	V	T	I	L	V								
UniRef90_A0A011NZH9	G	L	G	L	A	V	G	E	E	A	A	A	N	N	P	V	P	R	R	N	I	R	D	N	V	J	A	V	A	G	E	L	H	D	G	L	E	I	T	I	S	V						
UniRef90_R5VH30	G	L	R	V	L	K	T	S	E	E	A	A	A	N	S	K	F	A	K	E	V	L	F	E	N	L	J	E	I	L	P	A	G	Y	K	L	N	L	E	I	F	V						
UniRef90_A2BTY3	G	V	G	M	Q	K	K	E	A	A	A	A	N	Y	K	Y	A	K	S	L	I	L	S	N	L	K	S	L	V	S	L	G	D	R	I	Q	V	E	I	L	V							
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UniRef90_K5ZT26	G	L	D	C	E	L	G	R	W	A	V	N	T	G	P	R	R	M	I	S	E	N	L	R	R	R	A	G	F	E	S	G	C	W	L	L	E	I	S	V	V							
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170 180 190 200
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P E G R R R L A A A Q R T S N N E P R L G I V L G G I S I L L G G T T T G I V R P L M S A K G H L K E
P D G G E I A A K K T Y N N P K L G I V L G G I S I L L G G T T K G I V Y P M S D D D A M K K
U N I R E F 9 0 _ B 8 H S 3 0 P E G R S E L A A Q R T S N N A A F G V L V D G G L S I L L G G T S G I S Q P L S A P E Y Q L E A
U N I R E F 9 0 _ U P I 0 0 0 3 7 D 7 4 6 9 P E G G A E L A A Q R T M N N P R L G I V L G G L S I L L G G T S G I V R P F S S A A D H L E
U N I R E F 9 0 _ U P I 0 0 0 4 7 E 1 B 4 6 P E G R Q L A A Q R T S N N E A F G I V L G G L S I L L G G T T T G I S Q P L S A A D H L E
U N I R E F 9 0 _ L 0 N I Z 1 A G G E E L A A E K T L N N P R L G I V L G G I S I L L G G T T T G I V I P F V S C A E E Y W I H
U N I R E F 9 0 _ Q 9 7 A 6 3 P N G G E E F A A K L T M N E K R V G V F G G I S I S V L L G G T T T G I V I P F V S T E E S W K R
U N I R E F 9 0 _ V 1 W J 4 1 P E G E A R A A Q K T Y N N S R L G I V L G G I S I L L G G T T T G I V I T P M S T E E S W K R
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U N I R E F 9 0 _ E 5 Y 1 G 7 E N G E E L A A K H L N N P L L G I V V G G L S I L L G G T T T G I V R P Y S H E A Y I E D
U N I R E F 9 0 _ K 9 R Y 4 1 P E G G R A L A A R T S N N A F G V L V E G L S I L L G G T T S G I S Q A L L S A P E Q F L R D
U N I R E F 9 0 _ U P I 0 0 0 3 4 9 1 2 4 6 P Q G R Q L A A Q R T S N N E A F G V L V G G L S I L L G G T S G I S Q P L S A L E G F L D
U N I R E F 9 0 _ S 0 F V L 9 P E G E T L A G H L T L N N A R L G I V L G G I S I L L G G T T T G I V V R P M S H E A Y I A
U N I R E F 9 0 _ L 0 H C P 4 P D G G R E L A G K L T L N N P R L G I V M D G G I S I L L G G T T T G I V V E P W D D H L T E S
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U N I R E F 9 0 _ U P I 0 0 0 2 9 A 1 C C 9 E N G T L A A K K T L N S R L G I V V G G L S I L L G G T T T G I V V P F S C A A W I D E
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U N I R E F 9 0 _ R 7 J B Q 5 E H G E E L A A K R T F N P K L G I V L G G I S I L L G G T T T G I V R P F S S A E A F V A
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U N I R E F 9 0 _ E 1 R 8 J 8 P E G I A L A A E K T W N P R L G I V L G G I S I L L G G T K G I V V E P K S E A Y K A
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U N I R E F 9 0 _ W 9 H 2 6 3 P G G A E L A A K T W N P R L G I V V G G L S I L L G G T T T G I V V P F S S A W I H
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U N I R E F 9 0 _ A 2 B T Y 3 P E G K K L A A K R T S N E A F G V I Q G L S I L L G G T T G I S Q P L S E V Y R E T
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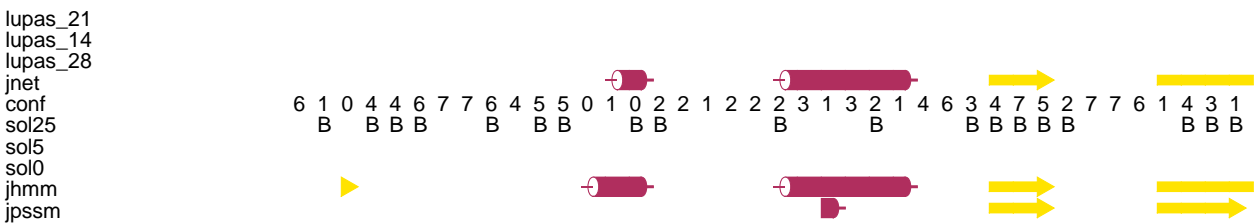
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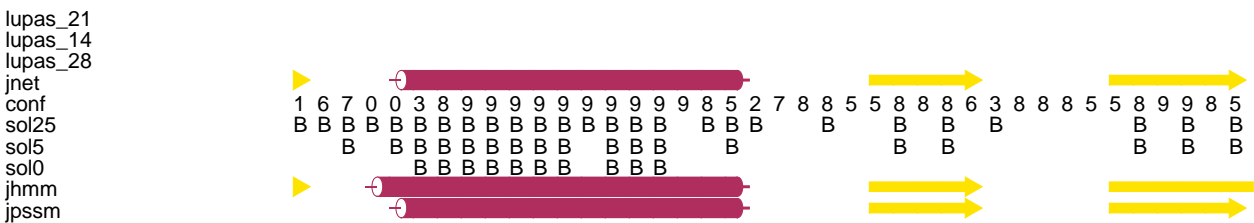
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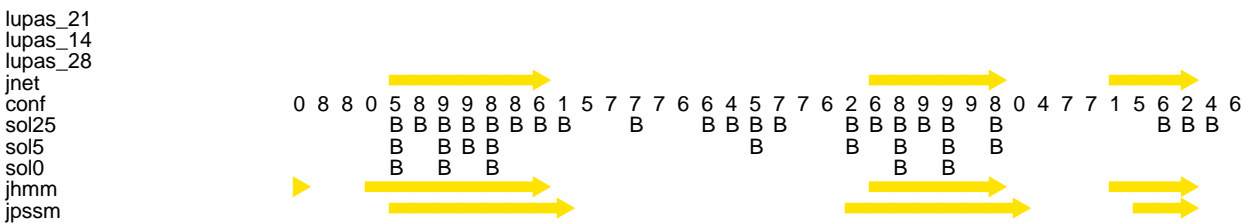
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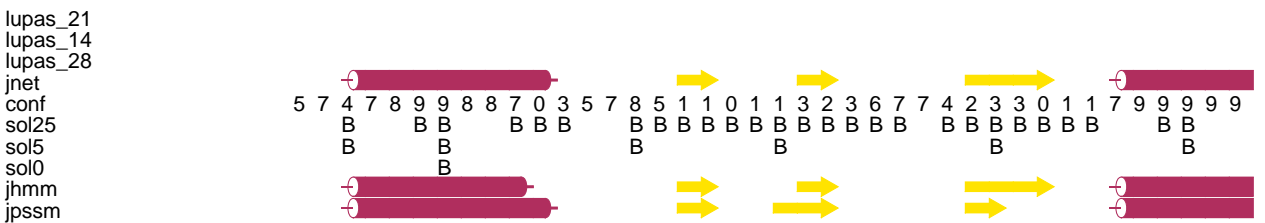


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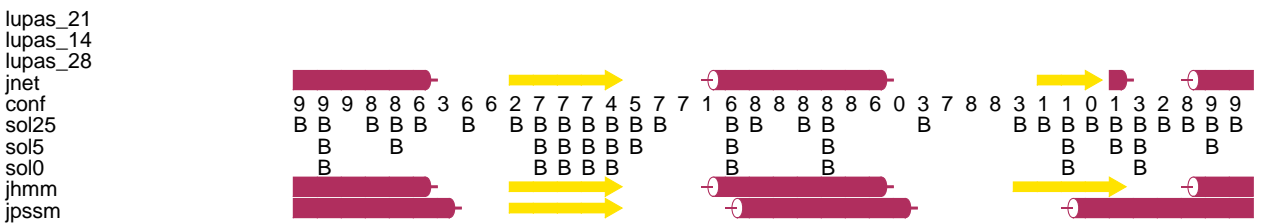
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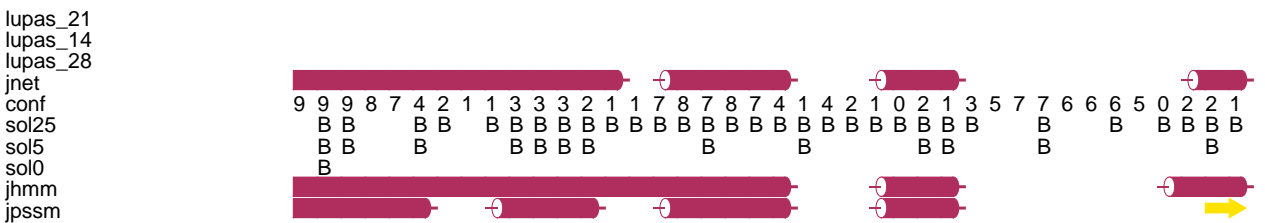
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