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F T D L L L K T A L T N E T Y L S I V N Q S S A N S L L L L S I I N D D V L L D D
M T E L L L L G T A L T D K Q R R F A Q A V Y R S G S H L L L L S E I N D D V L L D D
M A E L L L A K T D L D T R Q Q K T F I D I V K S S G N A L L V T I I N D D V L L D D
M A E L L L A L N T L T Q V I Q E Y I E T I E N M S A H S L L L L A S L I N D D V L L D D
F S Q L L L N R E T S L T T K Q Q Q Q E N I G L I E N R S S G E H L L L L T L I N D D V L L D D
Y A Q I L R R N R F R E G D S Q Q Q Q Q G L E T I Q Q Q C G D H L L L L T L I N D D V L L D D
F A E L I K D D A A D E G V R R E N A E I I E K S G S H L L L L N L V N T N D V L L D D
M T E G L Q D G V F G S V N E G V R K A L S T I E K S G S H L L L L N L V N T N D V L L D D
L A K L L L S E N P E G N L T P K Q Q V E F A K T I H D S G T D L L L L Q G L I N D D V L L D D
M S H L V M K T E L T L Y A S Q R E Y L S T I Q E L S S Q H L L L L R G L I N D D V L L D D
I S E I L S E T K L Y A S Q R E Y L S T I Q E L S S Q H L L L L R G L I N D D V L L D D
M N D L L L N S D I D D R Q Q R H F A K L I K V S S Q S L L L L V N D D V L L D D
M A E L L L A K S N L M D P D Q Q R E F T D I V K S S G N A L L L L T S I I N D D V L L D D
F S E A L L K D G L V G A M S D T Q R E Y I G D I F T S G N A L L L L T S I I N D D V L L D D
Y T Q T L K R Q K N L P D D Q Q K D S L N V I S Q C G D H L L L L T L I N D D V L L D D
M A D L L L D S D L G E E Q Q R T Y A E L L R S S S Y S L L L L N L I N D D V L L D D
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F S S L L V D T Q D T Q E Q Q E Y L S I I H Q R K N S D L L L L Q G L I N D D V L L D D
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F T Q L L A R D S S L S D K Q H E Y V G I I G R S S G E H L L L L S L I N D D V L L D D
Y S E V M A S E M F G P V S P K Y K D Y A G S I H Q S G R H L L L L D D A L I N D D V L L D D
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FTDITTELKAREQATQATLAKSRFLANMSSHEELRRTPLNNAIILGG
ERLA MVRKELEEAERANKYKSEFFLANMSSHEELRRTPLMNAIILGG
EERVAQA AARQANRVKSEDFLTGMSHEELRRTPLNNAIILGG
EELTJAR D KALQADLLKSAFFLANMSSHEELRRTPLNNAIILGG
ARQQAEEVSRLLKSDFFLANMSSHEELRRTPLNNGVIMGG
KREADANRSKSEDFLANMSSHEELRRTPLMNAIILGG
ANQA KSEFFLANMSSHEELRRTPLNTAVILGG
DA LQLQDKQR AKH ANEMKSDFFLANMSSHEELRRTPLMNGVILGG
AKE RAEVANQA KSAFFLANMSSHEELRRTPLNNAIILGG
DITDRRAEAAKEASRLKSEFFLANMSSHEELRRTPLIAGVILGG
ALQQA VLAADAANHA KSEFFLANMSSHEELRRTPLNNAIILGG
AAEANRAKSEFFLANMSSHEELRRTPLMNGVILGG
LE DITARKQKMAEAAASQAKS QFLAHMSSHEELRRTPLMNAIILGG
RDITQRKREEAANRAKSEFFLANMSSHEELRRTPLNNAIILGG
VALEAKQDAEELANLYKSEFFLANMSSHEELRRTPLMNAIILGG
LQIAKTAEEANQA KSAFFLANMSSHEELRRTPLITGILGG
ARLTRDLQRANQAKSAFFLANMSSHEELRRTPLMNSILGG
AESA NKAKSAFFLANMSSHEELRRTPLMNSILGG
ALQAKARDELEAASRYKSAFFLANMSSHEELRRTPLNNSVLLG
VQDITDLKVAEEAEKANYAKSEFFLANMSSHEELRRTPLMNSVLLG
KATELERANQYKSEFFLANMSSHEELRRTPLNSTLIT

UniRef90_K9TMZ5 MS S E T L L R W S F G Q M S A K Q Q E Y Y L K T I V H D S G E H L L E T T V I N D D I L L D D
UniRef90_K1YP15 MA E L L L T T N R D R T P L T P E D Q Q H Q E Y Y A Q T T V V R S G G E A Y L L L T S L I N D D I L L D D
UniRef90_A7BY48 Y T Q G I L L N R D R T S G F L L N P E K Q Q Q Q G Y I D I V H R R S G G E A Y L L L T S L I N D D I L L D D
UniRef90_B3E8Z7 M T F G L L Q E S G E L L T S P S K S Q Q K K A I L A T I I E N R R S G G E H H L L L G A N S L I N D D I L L D D
UniRef90_M4WTK9 F T N L L Q K S T E L L T S P S K S Q Q K K A I L A T I I E N R R S G G E H H L L L G A N S L I N D D I L L D D
UniRef90_Q1NVS7 L S E H L C L Q K T E E L L T S P S K S Q Q K K A I L A T I I E N R R S G G E H H L L L G A N S L I N D D I L L D D
UniRef90_K9QPS2 M S E C L Q E N F G A L L N S K S Q Q K K A I L A T I I E N R R S G G E H H L L L G A N S L I N D D I L L D D
UniRef90_UPI00030CBB28 F A Q L M E R D T A L L T N Q Q R A S I L A T I I E N R R S G G E H H L L L G A N S L I N D D I L L D D
UniRef90_G9EEE0 F S Q I L A N S R R R D P L T G S D E Q Q K Q Y I T Y I I Q E Q S G G D H L L L L I N D D I L L D D
UniRef90_UPI0004726A1E F T E L L A N S G D S S I T S D E Q Q K Q Y I T Y I I Q E Q S G G D H L L L L I N D D I L L D D
UniRef90_B4WOC6 L A E A L Q E E V Y G S L P K Q H K S L A T I I E Q S G G K H L L L D L I N D D I L L D D
UniRef90_UPI0004663DAD M T Q L L L E T D L N T E Q Q R E Y L T L V F M Q S S A Q E S L L L T H L I N D D I L L D D
UniRef90_M5DZY4 MA E L L L Q D T N L S E Q Q R K K Y V N I L F M Q S S A Q E S L L L T H L I N D D I L L D D
UniRef90_UPI0002F55F41 M S S L L S R T M N L D S D K Q R E F Y V K T I Q F S S G G E H L L L T S I I N D D I L L D D
UniRef90_Q0F2J5 F S E L M G N P R M G P L N S Q Q Q H R Y E N I H H S S G R R L L L K N L V N D D I L L D D
UniRef90_T1AB14 F S E I L K D N L A G K M T S Q Q Q Q Q Y C L V N I H H S S G R R L L L K N L V N D D I L L D D
UniRef90_U7QQQ0 M T G L L L D T H L L T S T D Q Q D Y V E T I R R S S S G D A L L L S L I N D D I L L D D
UniRef90_I3CDG3 Y A Q I L M G R D R L S M Q D Q Q T E G I E R I R Q N R S S G E Y L L L L T N L I N D D I L L D D
UniRef90_K8GHG4 F T Q V V M R E C V S N Q V I Y E Y L E L I R Q N R S S G E Y L L L L T N L I N D D I L L D D
UniRef90_UPI000378437B M L Q L A L A A N P S E E L R K Y L D T A T F E S G R N L L S V L I N D D I L L D D
UniRef90_C7LQI8 M L Q L L E T D P L D D A E Q A S Y L H M A T F E A S A N R L L T R T L V N D D I L L D D
UniRef90_Q47H18 M T E L L A L D T Q L D T A E Q R H Y I K T V K S S A E S L L L T A V I N D D I L L D D
UniRef90_B9XP29 L S H L A L K T Q L D T P K Q R D Y I G K V V H N A S A G T S L L L T A V I N D D I L L D D
UniRef90_L0DSV2 M T E L L L D T D L L D A E Q R K Y L E L V V K N S S E S L L L T S L I N D D I L L D D
UniRef90_K9RAT6 F A Q L M K R D K F L S A Q Q R D F V A T I I N R S S G E H L L L L I N D D I L L D D
UniRef90_K9TRK8 M T G L L L A T S E L L S P Q Q K H Y A Q T I F S S A G E S H L L L L T S V I N D D I L L D D
UniRef90_N1VYM3 F T E L L L Q E S L S E A T T R R K E Y A Q L I F L S S A G K Q H L L L L S V V N S I L L D D
UniRef90_Q3SQG6 F S D M I H E A T L P L D A T R R K E Y A Q L I F L S S A G K Q H L L L L S V V N S I L L D D
UniRef90_D8PAU8 M T T L L L D T A L L S T E Q R Q D Y L Q T L R H S S E S L L L R I N D D I L L D D
UniRef90_UPI00035E554A MA Q L L K D T S L D T V R Q R Q Y A E T I R T D S G S A L L L A L I N N I L L D D
UniRef90_E1BN8 M T T L M L D T D L T R E Q R Q Y A E T I R T D S G S A L L L A L I N N I L L D D
UniRef90_UPI00047C4906 L V I E L L L N S S I S A K Q R D Y L E R V V F T A S R S L L M T I I D D I L L D D
UniRef90_K4I964 F S D L L M K T P L D N E P V Q R H K Y M K T V Q S S A N T L L D G I N D D I L L D D
UniRef90_A1WTZ8 L G Q L L L E T D L D D V V Q R N Y A E K T M H N A S R M L L L L G I N D D I L L D D
UniRef90_W6M0Y7 M T D L L L G A E L P A R Q R E F A K I T K Q S G T T L L R N I N E V L L D D
UniRef90_K9YLK7 F S Q I M M R S K K L D S E Q Q R E N I S L I N R S S G T T L L R N I N E V L L D D
UniRef90_B3E246 M T E L L L D G S G F S P E Q Q R K Y L L A L L A I N R D S A E N L M V I N D D I L L D D
UniRef90_U1BB60 M T D L L L R T R L D D E R Q R R H Y V S V V H R S S G E S L L L A G I I S D I L L D D
UniRef90_U0Z4B5 M S Y L A L R T R D L D D D Q R N Y I G K I H N A S A G T S L L L L A I N D D I L L D D
UniRef90_C6XIN2 F S E M L I K E I Y G P L D E R Y I G Y A E D I L Q S S G O H L L L D M I N D D I L L D D
UniRef90_I2F1P9 F A E L L M N D E T N L E E K M K Y L K T I Y R S S G E H L L L S L I N D D I L L D D
UniRef90_D0TE04 F S E L L M V T C D D P E E K K E Y I N I Q S S N A H G L L L R G I N D D I L L D D
UniRef90_N1W3I3 F N E L L T T S L D S D Q Q E Y V R N A L L S S A H G L L L R G I N D D I L L D D
UniRef90_UPI0003458FD8 Y A Q I L Q R S Q D L N Q Q Q Q G L D V I T Q Q C G N H L L L T G I N D D I L L D D
UniRef90_M7XBC1 F S D L L M K T N L E D N Q Q K N Y L K S I E Q S G N L L G S I N D D I L L D D
UniRef90_B8ED92 M S Q L C L Q T E L D K K Q K G Y V E K I E R A S Q S L L L S I N D D I L L D D
UniRef90_E9C2U9 M T Q I M M T T S L N N E E Q S D Y L D T I K V S A Q I L L T T V I N D D I L L D D
UniRef90_G1X703 M S E I L L D T E L L T S S D H K S N I Q V I Y Q C G S A Q H L L L T T V I N D D I L L D D
UniRef90_A31RJ7 Y A Q I L Q R S P L T T E E Q S Y A E N I Q R S A N A L L T T V I N D D I L L D D
UniRef90_G2E5N8 L T H L L Q R E T P T P A Q K E R L G K I E A A Q H L L L T V I N D D I L L D D
UniRef90_A7BWN2 Y A Q I L K R N K K L T T M Q R D G L N V I D Q S S G R H L L T T L I N D D I L L D D
UniRef90_UPI0003719AB0 L A K L L G D N A D G N L L T E D Q V R F A R T I D Q A S G D D L L L T L I N D D I L L D D
UniRef90_D1B1H3 MA H L A L Q T E L L S N Q Q R N Y L V K I D S A S K H L L L G I N D D I L L D D
UniRef90_F4Y493 F T Q L M N R D S S L L N Q E H Q E Y L A I L S R S S G E H L L L N L I N D D I L L D D
UniRef90_K2DM21 MA E L L L K S P L A P G Q Y R Y V E A V E K S G R H L L L H L I N D D I L L D D
UniRef90_V4J9R3 F A A L L G R D A D A T A G Q K E K L D I I V S S G E H L L L S M I N D D I L L D D
UniRef90_H1G1S4 F S Q L L E A D P V L G D E E Q R D N V R E L L R G G H L L L E I N E I L L D D
UniRef90_K1Y2A3 M L Q L L L E M T E L L D E E Q R D Y V Q T I Q K S S Q A L L T T I N D D I L L D D
UniRef90_F0ZPG2 V S D L L L E T N L S E E Q R D Y V Q T I Q K S S Q A L L T T I N D D I L L D D
UniRef90_C7LPP2 M M Q L L L E T T D T S D E Q Q M Y I E M A I R S G G R L L T R L L S D I L L D D
UniRef90_B8GAL7 Y S Q L L E Q L V D K G I Y E T V A H M V R R I R A A G N H L L L I N D D I L L D D
UniRef90_R7DPS8 F S E I I A L T E D E V E K A E Y L N I I Q K N S N L L L Q L I N D D I L L D D
UniRef90_UPI0003FD8CAD I A E L L Q T T Q L N S Q Q Q D F I K T L T R S A N H V L L Y L I N D D I L L D D
UniRef90_A6X5X4 F S E L M A D E K F G S I N D R Y R D Y L R D I T R S A N H V L L Y L I N D D I L L D D
UniRef90_A4JXQ2 Y A Q I L Q R D A R L D T R Q L A S V G V I E Q S G Q H L L L T L I N D D I L L D D
UniRef90_W4CC07 MA H L L M E T E L L D D E Q K G F A E I M I G T N T D L L L Q I L I N E I L L D D
UniRef90_R6JM77 F S N M L P H V E N R E M S E Y V E L I G T N T D L L L Q I L I N D D I L L D D
UniRef90_G2TGH1 F S D I T T R H Q M F G L D N P V Y V D Y A R N I Y D S G T H L L L E I I S D I L L D D
UniRef90_UPI000382B139 M S E F I L R D C L D S K A K S Y A S M L R S S S K T L L L L I N D D I L L D D
UniRef90_D0J4K2 M L Q L V R Q T Q L D T R Q Q Q D Y V V V K A Q S S A Q S L L A L L N D D I L L D D
UniRef90_UPI0004789B93 L A E M L S E D A E D Q K L E E F R E P L D R T L R A G R H L L L A L I N D D I L L D D
UniRef90_F5YRH3 L S E L V L R E E E I T P R V T E Y I T D I K Q A G H H L L L I N D D I L L D D
UniRef90_G8AR89 Y A D F L L H P G I G P L T D R Q R D Y C I G N T R A S G A H L L L E I N D D I L L D D
UniRef90_R0Y65 F S D L L L S D T S A F T E E E V A Q F I A T L N K N C S L L L A L I N D D I L L D D
UniRef90_UPI00034AAFBA F L K L L I D G M A D D P E E Q Q V E F I R E A Y R S A V H L L N I N D D I L L D D
UniRef90_K9S804 M A S L L F D T E L S P Q Q M D F V E T I R R S S G E V L L T L I N D D I L L D D
UniRef90_K9WFFQ3 F T Q L M L G H E T H S L S P Q Q Q E Y L G I I R R S S G E H L L L A L I N D D I L L D D
UniRef90_UPI000379FBE2 M T E L L L D T P L S S M E Q H D Y V E N I K V S N E G D A L L N L I N E I L L D D
UniRef90_X0R2X2 M V I E M L G E T K L S S E Q Q E Y V D N I K V S N E G D A L L M A L I N G I L L D D
UniRef90_C6E450 Y A Q T L K R Q D N L T D T Q R Q Q L E I V R G C G E H L L S L I N D D I L L D D
UniRef90_UPI0004560373 L S E L L C D T Q L T K E Q R D F A E N I Q R S A D A L L L T V I N D D I L L D D
UniRef90_UPI00047DAD89 F T Q V M S R D S T L S T E H Q Q N L R L I N R R A G E H L L L T N V I N D D I L L D D
UniRef90_F7ULD6 M T E L L T M D L N L Q Q Q L D Y V Q T I R Q S S G E T L L L T I N D D I L L D D
UniRef90_UPI000372BDB3 M A D L L L G T P L N H E Q Q E Y L R L L Q D S A G L L S L D I L I N D D I L L D D
UniRef90_M2Z5B8 F S E A A L S G A V G M D L D R Y L E Y L D L I H S A G L H L L R A I N E D I L L D D
UniRef90_B8ECC4 M L Q L L A Q R T S L T A Q Q K D Y L E K A G F S A Q S L L R I N D D I L L D D
UniRef90_Q7UUC5 F T E L L L R G V V T D D A E R S H L Q S T I H S N S A Q H L L L H L I N D D I L L D D
UniRef90_E1I134 F T G T L L M R L P V T E S Q E R Q L S T I H S N S A Q H L L L H L I N D D I L L D D
UniRef90_V5C4P4 L S Y L M Q K S R L S T D Q Q K R Y L Q Q I D S A Q H L L L S I N D D I L L D D
UniRef90_Q11GZ0 M A R L A A D N R E G N L T S D Q Q V K F A E T I E T A S G N D L L N L I N D D I L L D D
UniRef90_X1S1J45 F S E I L S N L I N D P L Q Q K D Y L N S I E S S S K T L L S L I N D D I L L D D
UniRef90_J2W9B5 L A K L L A D N K H G N L T E E Q V R F A Q T I S S A G N D L L A L I N D D I L L D D

UniRef90_K9TMZ5	L	S	Q	L	E	A	G	K	
UniRef90_K1YP15	F	S	K	I	E	A	G	K	L
UniRef90_A7BY48	L	S	K	L	E	A	D	K	L
UniRef90_B3E8Z7	F	S	K	M	E	A	G	R	L
UniRef90_M4WTK9	F	S	K	T	E	A	G	K	L
UniRef90_Q1NVS7	L	S	K	I	E	S	G	R	L
UniRef90_K9QPS2	L	A	K	I	E	S	G	K	V
UniRef90_UPI00030CBB28	M	S	K	I	E	A	G	R	I
UniRef90_G9EEE0	L	A	K	I	E	A	G	H	M
UniRef90_UPI0004726A1E	F	S	K	I	E	A	G	Q	L
UniRef90_B4W0C6	L	S	K	I	E	S	G	K	M
UniRef90_UPI0004663DAD	F	S	K	I	E	A	G	K	I
UniRef90_M5DZY4	L	S	K	I	E	A	G	K	V
UniRef90_UPI0002F55F41	Y	S	K	I	N	A	G	K	M
UniRef90_Q0F2J5	I	S	R	I	E	A	G	M	M
UniRef90_T1ABI4	L	S	K	I	E	A	G	R	L
UniRef90_U7QQQ0	F	S	K	I	E	S	G	K	L
UniRef90_I3CDG3	L	S	K	I	E	A	D	R	V
UniRef90_K8GHG4	M	S	R	I	E	A	G	K	V
UniRef90_UPI000378437B	L	S	K	I	E	A	G	K	I
UniRef90_C7LQI8	L	S	R	V	E	A	G	K	M
UniRef90_Q47HI8	F	S	K	I	E	A	G	K	M
UniRef90_B9XP29	F	S	K	I	E	A	G	K	L
UniRef90_L0DSV2	L	S	K	I	E	A	G	K	L
UniRef90_K9RAT6	M	S	K	I	E	A	G	K	
UniRef90_K9TRK8	F	S	K	L	E	A	R	E	M
UniRef90_N1VYM3	F	S	K	L	D	S	G	K	M
UniRef90_Q3SQG6	M	S	K	M	E	S	G	S	F
UniRef90_D8PAU8	F	S	K	T	E	A	G	K	F
UniRef90_UPI00035E554A	Y	S	K	I	E	A	G	R	L
UniRef90_E1IBN8	F	S	K	L	E	S	G	H	M
UniRef90_UPI00047C4906	F	S	K	M	E	A	G	K	M
UniRef90_K4I964	F	S	K	T	E	S	G	K	L
UniRef90_A1WTZ8	Y	S	K	I	E	A	D	R	L
UniRef90_W6M0Y7	F	S	K	I	E	A	G	K	L
UniRef90_K9YLK7	L	S	K	I	E	A	G	K	M
UniRef90_B3E246	F	S	K	I	E	A	G	K	L
UniRef90_U1BB60	F	S	K	I	E	A	G	K	F
UniRef90_U0Z4B5	F	S	K	V	E	A	G	K	L
UniRef90_C6XIN2	M	A	K	I	E	A	G	K	M
UniRef90_I2F1P9	L	S	K	I	E	A	A	R	F
UniRef90_D0TE04	L	S	K	I	E	S	G		
UniRef90_N1W3I3	I	S	K	I	E	A	G	K	L
UniRef90_UPI0003458FD8	L	S	K	I	E	A	N	K	M
UniRef90_M7XBC1	F	S	K	I	E	A	G	K	L
UniRef90_B8ED92	F	S	K	I	E	A	G	K	L
UniRef90_E9C2U9	F	S	K	I	E	A	G	Q	L
UniRef90_G1X703	F	S	K	V	E	S	G	R	L
UniRef90_A3IRJ7	I	S	K	I	E	A	G	R	M
UniRef90_G2E5N8	L	S	K	I	E	A	G	K	M
UniRef90_A7BWN2	M	S	K	I	E	A	G	K	M
UniRef90_UPI0003719AB0	L	S	K	I	E	A	G	H	V
UniRef90_D1B1H3	F	S	K	I	E	A	G	K	M
UniRef90_F4Y493	M	S	K	I	E	A	G	Q	I
UniRef90_K2DM21	F	S	K	I	E	S	G		
UniRef90_V4J9R3	L	S	K	I	E	A	G	Q	V
UniRef90_H1G1S4	L	S	R	L	E	A	G	K	I
UniRef90_K1Y2A3	Y	A	K	I	E	A	G	K	L
UniRef90_F0ZPG2	Y	S	K	L	E	S	R	Q	L
UniRef90_C7LPP2	L	S	R	I	E	A	G	R	M
UniRef90_B8GAL7	I	S	K	I	E	A	G	R	M
UniRef90_R7DPS8	L	S	R	I	E	S	G	K	
UniRef90_UPI0003FD8CAD	F	S	K	L	E	A	G	E	M
UniRef90_A6X5X4	I	S	K	I	E	A	G	A	L
UniRef90_A4JQQ2	F	A	R	L	G	A	G	K	L
UniRef90_W4CC07	F	S	K	I	E	A	G	K	M
UniRef90_R6JM77	L	S	K	I	E	A	G	T	F
UniRef90_G2TGH1	L	A	K	I	E	A	G	E	L
UniRef90_UPI000382B139	F	S	K	I	E	S	G	K	M
UniRef90_D0J4K2	F	S	K	I	D	A	G	K	L
UniRef90_UPI0004789B93	L	S	K	I	E	A	G	R	L
UniRef90_F5YRH3	F	S	K	I	E	S	G	K	L
UniRef90_G8AR89	L	S	K	I	E	A	G	H	V
UniRef90_R0IY65	L	S	R	I	E	S	G	T	M
UniRef90_UPI00034AAFBA	I	A	K	I	E	A	G	K	M
UniRef90_K9S804	F	S	K	I	E	S	G	K	L
UniRef90_K9WFFQ3	M	S	K	I	E	A	G	R	L
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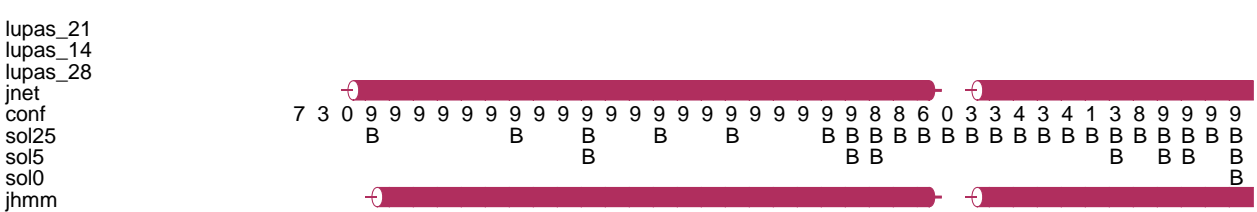
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