

QUERY	1	10	20	30	40
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UniRef90_W4QBJ5		A L I A H D D K K K E E D M V	N F C V A Y K K H I L L	S K H R K L F G T G T T	
UniRef90_L0ECF5	T A R M Q	V A F I A H D D R K K K D E M V	N F V I A Y E Y V F R K H H D L F	F A T G T T	
UniRef90_A6CRX3		A L I A H D D K K K E E D L I	R F V I A Y K E T F Q K H H R L Y	F A T G T T	
UniRef90_UPI000425CB1E	S P R K R	N I A L I A H D D K K K S E D L I	D W V Y A N R G V L F E K H S L F	A T G T T	
UniRef90_UPI000360DB6E		A L I A H D D R K K K G D L V	R F V T A Y L P V F E K H S L F	A T G T T	
UniRef90_R6MKE2		A L I A H D D A K K K E D L M V	Q F C I Q R H S G I L L S R K F S	L Y A T G T T	
UniRef90_E8PK02	M K A L	A L I A H D D A K K K D D M V	A F C Q R H R E L L S R F S P L	A T G T T	
UniRef90_UPI0004711ED0	M K	A L I A H D D E K K K D E M V	N F T I A Y R E S I F E N A N D L	F A T G T T	
UniRef90_UPI00036B2A03		A L I A H D D R K K K E T L V	N F V V A Y K H I L F A K A N D L	F A T G T T	
UniRef90_K01Y77	M K	N I S L I A H D D E K K K E A M I	Q F A T S Y K H I L A K H D H Q L	F A T G T T	
UniRef90_UPI00037F857C		A L I A H D D K K K D D M V	R F S S A H K K I L A Q H H Q L	F A T G T T	
UniRef90_UPI00047B784A		A L I A H D D Q K K K D S M V	N F V I A Y E N I L L K D H N L	F A T G T T	
UniRef90_J9E6V3	K T M N V	A L I A H D D N K K K D D L V	N F V I A Y Q N I L L K D H N L	F A T G T T	
UniRef90_R7RSQ5		A L I A H D D K K K D D M V	E F V K K Y R D V F K D D E L Y	A T G T T	
UniRef90_U2D1S3	M K	A L I A H D D K K K D D I V	E F V T R Y R D V V F E K D H S L	F A T G T T	
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UniRef90_W6NAL0		R I A F I A H D D K K K D D I V	D F V R R Y K D V F K E H E L F	G T G T T	
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UniRef90_C6J790	M L N	A F I A H D D R K K E D L V	N F V I A Y E F I L F E K D K R	L F A T G T T	
UniRef90_D4YFF8	M K	A L I A H D D S K K D M M V	S F A T A Y K F V L L E K H L	F A T G T T	
UniRef90_I0XP78	K T K R	V L I A H D D N K K E D L V	E W V Q L H K E V L L S K H H L	F A T G T T	
UniRef90_V6IUB3	M K	A L I A H D D K K K P E M V	E F A L A Y K S V L L K N H L	F A T G T T	
UniRef90_X0YP18	K K K N	A L I A H D D E R K K Q D L M E	W V K F N K G T L S Q H N L	F A T G T T	
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UniRef90_E3HDF0	M E R I	A L I A H D D K K K D D L V	D F V K K H R D F F E K F E L V	S T G T T	
UniRef90_U5MJX6	M K	A L I A H D D K K K K D M I	E F S K K H K D T L S K D Y F R	L I A T G T T	
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UniRef90_K6ZRT5	Q K T I	A L V A H D H K K P D L V	K W S L A H R S E L L S K H K L	V A T G T T	
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UniRef90_K2GC68		A L V A H D D K K K D D L V	N F V Q A Y L P V L L E N H N L	F A T G T T	
UniRef90_I4BU07	N R K R	I A L V A H D S M K S D L I	E W A L Y N K G T L K E H E L	Y S T G T T	
UniRef90_E8XVC5	A K K K	H I A L V A H D H C K S T L I	K W V D K N V A E L S Q H I L	F A T G T T	
UniRef90_A6NPY5	A Q K R	I A L I A H D D N M K P E I I	D W C Q K N R E V L S G H F L	C G T G T T	
UniRef90_A4W8X5	E R K	H I A L V A H D H C K K M L L	N W V Q R H Q A L L E K H N L	S A T G T T	
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UniRef90_I1DXT4	M K T I	A L V A H D D G K K E A I L	D W V S R H Q A F F A D K Q L	V A T G T T	
UniRef90_B0KAD1		A L I A H D D Q K K E L M V	N F A I A Y K H I F E K C N I	Y A T G H T	
UniRef90_Q65I51	M K	A L I A H D D R K K Q D M I	Q L T T A Y K D L L K K H E L	F A T G T T	
UniRef90_G4QFL3	K T I	A L V A H D D H K K A D I V	V W A Q K N K E A L L F K V	L V A T G T T	
UniRef90_R6Q8D0		T I A L I A H D S K K E L M V	Q F C T A Y C R T L L S Q H K L	V A T G T T	
UniRef90_H6LEZ8	K K K K	I A L V A H D D G K K T E L L	D W A S R N K E I L A Q N H L	C G T G T T	
UniRef90_UPI00016C3586	A R K R	I A I V A H D D N K K P E L L	T W V A A R R K D L A H H E L	F G T G T T	
UniRef90_I6Z5Z5	K K R I	A L V A H D D N K K R D L L	E W T A F N K D K L K D C A I	F A T G T T	
UniRef90_F7N252	M K T I	A L V A H D D G K K A E L L	E W V K A H A D F F A D S Q H L	V A T G T T	
UniRef90_UPI0003740B0C	A R S K	H I A L V A H D D N K K E D L L	R W V T E H K D K L A K H L	F A T G T T	
UniRef90_F2P991	K Q K T I	A L I A H D D N R K K D L V	E W V K R R K E V L S R H F L	C G T G T T	
UniRef90_L7VGL1		R R I A M V A H D D N R K V D L I	R W A E F N R L T L A R H E L	F A T G T T	
UniRef90_C8XEM6		A R K Q I A L V A H D D H K K A L L	A W A G R H R A Q L A R H T L	F A T G T T	
UniRef90_K2GWS7		K Q K N I A L I A H D Q K K H E L M	E W C K E H K S T L E K H F L	C G T G T T	
UniRef90_R5IHS4	A R K Q V	A L V A H D H C K E A L L	R W V E E N D T L R N H D L	F A T G T T	
UniRef90_R8AV34	A Q K R	I A L V A H D H K K E A L L	E W A T A H R E L L V R H D L	F A T G T T	
UniRef90_Q1IP18		D K K N I A L V A H D D N M K D P L	C K W A K K H S F K L S A H Q L	F A T G T T	
UniRef90_C5BMN7		R I A L I A H D D K K K G D M I	A L A E R Y K D T L L A K H L	F A T G T T	
UniRef90_R7DMM9	T A R K R	I A L V A H D H K K A D L I	L Q W A S V N K E R L L S H E L	F A T G T T	
UniRef90_F8EF53		K K T I A L V A H D H K K E E L L	A Q W V D R H E E E L K R H N L	V A T G T T	
UniRef90_I3ZX57		R K Q I A L I A H D D N K K Q E L S	D W V C T H K K E L E Q H D L	F A T G T T	
UniRef90_Q21L65		N I A L I A H D S K K K E L M V	Q F C I A Y C G V F S R H S L	C G T G T T	
UniRef90_R9LAZ4		R I A L I A H D D K K K Q D M V	K L V E E Y K Q I L S G H E L	L A T G T T	
UniRef90_F6B6T2		R P T V A L V A H D D N K K P D L V	A W C K H N K K L E N Y R L	I A T G T T	
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UniRef90_C3WCA0	K R I	A L I A H D D E K K D D L I	Q F A R D Y Q S T L S R F D L	I A T G T T	
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UniRef90_U4WRZ0		M K I A L I A H D A K K D L I V	K L A T A Y E P L L K Q H E L	F A T G T T	
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QUERY	G	R	R	E	E	A	T	G	L	T	V	E	K	L	L	S	G	P	L	L	G	G	D	D	Q	Q	Q	M	G	A	R	V	A	E	E	G	R	L	L	A	V	I	F			
UniRef90_Q04UA7	G	K	L	I	S	E	E	T	T	G	L	T	V	T	R	F	L	L	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	R	V	A	E	E	G	R	L	L	A	V	I	F	
UniRef90_UPI00046F343A	G	K	L	I	A	E	A	T	T	G	L	T	V	T	H	R	F	L	L	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	R	V	A	E	E	G	R	L	L	A	V	I	F
UniRef90_W4QBJ5	G	K	R	I	M	E	A	T	T	G	L	T	V	H	R	F	K	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	R	V	A	E	E	N	K	F	L	L	I	F	F		
UniRef90_L0ECF5	G	K	R	I	M	E	Q	T	T	G	L	T	V	H	R	F	M	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	R	V	A	E	E	N	V	M	D	L	I	F	F		
UniRef90_A6CRX3	G	K	R	I	N	E	E	S	T	G	L	D	V	H	R	F	K	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	R	V	A	E	E	N	K	K	L	L	I	F	F		
UniRef90_UPI000425CB1E	G	R	L	I	E	E	S	T	D	R	P	V	H	R	F	K	L	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	R	V	A	E	E	N	G	K	L	L	I	F	F		
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UniRef90_R6MKE2	G	K	M	I	I	E	A	T	T	G	L	N	V	E	R	F	L	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	R	V	A	E	E	N	G	I	L	L	V	L	F	F	
UniRef90_E8PK02	G	K	R	I	Q	E	A	T	T	G	L	N	V	E	R	F	L	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	R	V	A	E	E	G	K	V	L	L	V	L	F	F	
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UniRef90_UPI00036B2A03	G	K	R	I	Q	E	A	T	T	G	L	R	V	H	R	F	Q	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	M	I	A	E	E	N	R	K	L	L	V	I	F	F	
UniRef90_K0IY77	G	K	R	I	Q	E	A	T	T	G	L	K	V	H	R	F	Q	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	K	I	A	E	E	N	K	M	D	L	V	I	F	F	
UniRef90_UPI00037F857C	G	K	R	I	M	E	A	T	T	G	L	P	V	H	R	F	Q	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	K	I	A	K	N	E	M	L	L	V	I	F	F		
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UniRef90_U2D1S3	G	R	L	I	C	E	I	V	I	G	L	K	V	H	R	F	L	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	K	L	A	N	N	E	M	D	F	V	I	F	F		
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UniRef90_F4LXB9	G	K	R	I	M	E	A	T	T	D	L	K	I	E	R	V	Q	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	G	M	V	A	D	E	G	I	D	M	V	I	F	F		
UniRef90_W6NAL0	G	K	L	I	S	E	I	T	T	G	L	E	V	H	R	F	L	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	G	R	V	A	Q	G	D	I	D	L	V	F	F			
UniRef90_E3PRK2	G	R	L	I	E	K	M	T	T	G	L	S	V	H	R	F	L	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	K	I	A	E	N	N	M	D	L	V	I	F	F		
UniRef90_UPI0004269D2A	G	T	K	I	M	E	A	T	T	G	L	S	V	H	R	F	Q	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	L	I	A	E	N	N	M	D	L	V	I	F	F		
UniRef90_UPI0002FD7B59	G	L	K	I	M	E	A	T	T	S	L	N	V	H	R	F	Q	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	M	I	A	N	N	Q	M	D	V	V	L	F	F		
UniRef90_I0JN86	G	K	R	I	A	D	A	S	G	L	P	I	H	R	F	Q	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	K	I	A	E	D	E	M	D	M	V	I	F	F			
UniRef90_UPI0004695E5F	G	Q	R	I	M	E	N	T	A	L	N	I	H	R	L	M	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	G	S	M	I	A	E	N	R	M	D	L	V	L	F	F		
UniRef90_UPI0002ED5C08	G	K	Q	I	M	D	E	V	G	L	D	V	K	R	L	Q	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	K	I	A	E	D	D	L	D	L	V	V	F	F			
UniRef90_C6J790	G	R	Q	I	M	E	N	T	T	L	K	I	H	R	F	L	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	A	S	Q	N	E	M	D	L	V	I	F	F				
UniRef90_D4YFF8	G	L	R	I	I	E	A	T	T	G	L	D	V	H	R	F	K	S	G	P	L	L	G	G	D	D	Q	Q	Q	V	G	A	I	S	Q	N	E	M	D	L	V	I	F	F		
UniRef90_I0XP78	G	K	I	V	H	E	K	T	D	L	P	V	H	R	F	L	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	K	I	V	D	G	E	I	D	V	V	I	F	F			
UniRef90_V6IUB3	G	L	K	V	K	E	A	T	T	G	L	V	H	R	F	Q	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	M	I	A	S	N	G	E	M	D	M	V	I	F	F		
UniRef90_X0YP18	G	S	L	I	T	R	E	V	G	L	K	V	K	T	F	L	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	K	I	A	E	G	E	I	D	F	L	V	I	F	F		
UniRef90_UPI00047968E1	G	K	M	V	A	E	A	T	T	G	L	D	V	N	L	F	Q	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	M	I	A	N	N	K	M	D	M	I	F	F			
UniRef90_R5DD77	A	R	L	I	A	E	K	T	T	G	L	P	V	K	A	Y	N	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	K	I	V	E	G	Q	L	D	F	M	V	I	F		
UniRef90_UPI0004268C74	G	Q	R	I	M	E	A	S	D	L	H	V	E	L	F	R	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	L	I	A	E	N	R	M	D	L	V	I	F	F			
UniRef90_B5YDH1	G	D	I	L	E	K	E	L	G	L	K	I	I	K	F	Y	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	K	I	A	E	E	G	E	I	D	F	L	I	F	F		
UniRef90_UPI000470AF84	G	K	L	I	E	E	K	L	G	Q	T	V	H	R	L	L	S	G	P	L	L	G	G	D	D	Q	Q	Q	V	G	G	M	I	A	E	E	N	K	I	D	D	M	L	V	F	F
UniRef90_S5AYZ5	G	L	L	I	S	E	E	T	T	G	L	T	E	V	T	R	Y	K	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	L	I	A	E	E	N	K	L	D	A	L	F	F	
UniRef90_UPI0002D566AB	G	K	R	L	S	E	E	V	G	L	T	E	V	E	R	K	L	S	G	P	L	L	G	G	D	D	Q	Q	G	A	E	L	A	E	S	G	R	I	D	L	V	I	F	F		
UniRef90_Q0YU92	G	G	V	F	E	R	E	T	T	G	L	E	V	E	R	K	L	M	S	G	P	L	L	G	G	D	D	Q	Q	G	A	E	I	A	S	S	R	E	I	D	F	L	I	F	F	
UniRef90_E3DNP6	G	Q	R	L	I	E	E	T	T	G	L	E	V	E	R	M	A	S	G	P	L	L	G	G	D	D	Q	Q	M	I	G	A	E	I	A	K	G	R	L	D	G	V	I	F	F	
UniRef90_E3HDF0	G	G	R	I	Q	E	A	T	T	D	L	K	V	H	R	Y	L	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	S	D	I	A	N	E	K	I	K	V	V	F	F			
UniRef90_U5MJX6	G	R	L	I	S	E	A	T	T	D	L	D	V	K	Q	F	L	G	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	S	R	I	P	E	E	G	K	V	N	L	I	F	F	
UniRef90_N9WKU2	G	T	R	I	S	E	M	T	N	L	K	I	K	L	F	K	S	G	P	L	L	G	G	D	D	Q	Q	Q	G	A	L	I	A	E	E	G	K	I	D	M	I	F	F			
UniRef90_H2CCN7	G	R	L	I	E	E	R	T	T	G	L	P	V	Q	R	L	E	S	G	P	L	L	G	G																						

QUERY W L Q S L V G Y Q T
 UniRef90_Q04UA7 S P Q F T L S Y E
 UniRef90_UPI00046F343A A L E R
 UniRef90_W4QBJ5 G L E R
 UniRef90_L0ECF5 A L E R
 UniRef90_A6CRX3 G L E R
 UniRef90_UPI000425CB1E S A L L Q D A Y E T
 UniRef90_UPI000360DB6E G L A S
 UniRef90_R6MKE2 G L E R
 UniRef90_E8PK02 W L A A Q V G
 UniRef90_UPI0004711ED0 S I E K
 UniRef90_UPI00036B2A03 A L D R
 UniRef90_K0IY77 A L Q A
 UniRef90_UPI00037F857C E L Q K
 UniRef90_UPI00047B784A A L E R
 UniRef90_J9E6V3 A M E
 UniRef90_R7RSQ5 L L R K
 UniRef90_U2D1S3 A L K Y R
 UniRef90_UPI000225BA24 G L E R
 UniRef90_M1Z7S0 A M
 UniRef90_C3P5Q3 A L E R
 UniRef90_F2I473 G L G A
 UniRef90_E7RHF1 G L K
 UniRef90_UPI000401B9E5 G L E R
 UniRef90_F4LXB9 G L
 UniRef90_W6NAL0 V L R M H V S N E
 UniRef90_E3PRK2 G L K R
 UniRef90_UPI0004269D2A A M E R
 UniRef90_UPI0002FD7B59 G L E R
 UniRef90_I0JN86 A L D R
 UniRef90_UPI0004695E5F S I E
 UniRef90_UPI0002ED5C08 G L N S
 UniRef90_C6J790 A L D R
 UniRef90_D4YFF8 G L D
 UniRef90_I0XP78 S D L L A S S Y K
 UniRef90_V6IUB3 A L K R
 UniRef90_X0YP18 S
 UniRef90_UPI00047968E1 G L D N
 UniRef90_R5DD77 S
 UniRef90_UPI0004268C74 G L
 UniRef90_B5YDH1 S P L M N M E Y
 UniRef90_UPI000470AF84 S
 UniRef90_S5AYZ5 S P L F L S
 UniRef90_UPI0002D566AB Q L
 UniRef90_Q0YU92 S
 UniRef90_E3DNP6 S L
 UniRef90_E3HDF0 A L
 UniRef90_U5MJX6
 UniRef90_N9WKU2 G L E
 UniRef90_H2CCN7 S
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 UniRef90_M1RJX7 S P D
 UniRef90_B2U8Y6 A L Q R V
 UniRef90_Q2RJ00 Y M Q D H P G N R
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 UniRef90_K6ZRT5 S
 UniRef90_UPI0003F6D28B G L E
 UniRef90_K2GC68 G L
 UniRef90_I4BU07 S
 UniRef90_E8XVC5 S P L F Q S E V E
 UniRef90_A6NPY5 S P L M N S T Y
 UniRef90_A4W8X5 S P H F N S S V E
 UniRef90_UPI0004124082 E L A K R
 UniRef90_I1DXT4 S S L Y Q Q N Y Q
 UniRef90_B0KAD1 G M E
 UniRef90_Q65I51 S V E
 UniRef90_G4QFL3 S
 UniRef90_R6Q8D0 G L E R
 UniRef90_H6LEZ8 S
 UniRef90_UPI00016C3586 S
 UniRef90_I6Z5Z5 S A L M D E P Y E
 UniRef90_F7NZ52 S
 UniRef90_F2P991 S L D Q E V A I E
 UniRef90_L7VGL1 S P L M E E E Y E
 UniRef90_C8XEM6 S
 UniRef90_K2GWS7 S P M M D S S Y
 UniRef90_R5IHS4 S P L M D E E Y E
 UniRef90_R8AV34 S
 UniRef90_Q1IP18 S
 UniRef90_C5BMN7 S
 UniRef90_R7DMN9 A L E R D E I H
 UniRef90_F8EF53 S P L M N Q P Y E S
 UniRef90_I3ZX57 S
 UniRef90_Q21L65 S P L I K Q S Y E
 UniRef90_R9LAZ4 A L E R
 UniRef90_F6B6T2 A L
 UniRef90_UPI0003485C4D S
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 UniRef90_UPI0003740B0C S
 UniRef90_U4WRZ0 A V E
 UniRef90_X0PEC8 G V K A

	1	10	20	30	40																																						
UniRef90_L1QH73	T	K	M	R	V	A	L	I	A	H	D	K	K	K	E	A	M	L	D	F	A	K	R	N	E	E	R	L	S	K	L	E	L	F	A	T	G	T	T				
UniRef90_B1YKL9				N	I	A	L	I	A	H	D	E	N	K	K	D	E	M	M	M	F	T	R	A	Y	E	A	Y	F	A	K	N	T	L	L	L	F	A	T	G	T	T	
UniRef90_A8ML72		K	Q	K	N	I	A	L	V	A	H	D	N	K	K	D	E	L	M	N	W	V	K	A	E	N	R	R	L	E	Q	H	S	L	F	A	T	G	T	T			
UniRef90_J2ZT80		M	K		N	I	A	L	V	A	H	D	E	K	K	P	E	L	M	A	R	F	A	A	Y	R	E	I	R	G	H	S	L	F	A	T	G	T	T				
UniRef90_UPI00037FE64C		M	K	T	V	A	L	I	A	H	D	Q	K	K	Q	L	M	L	D	F	V	R	E	H	L	A	L	L	S	P	H	S	L	F	A	T	G	T	T				
UniRef90_UPI00040DBB06			K	R	I	A	M	I	A	H	D	K	K	K	D	L	L	D	W	A	V	F	N	K	T	V	L	L	S	S	S	R	H	S	L	F	A	T	G	T	T		
UniRef90_UPI00037CA1CE			K	S	L	A	L	I	A	H	D	G	K	K	A	D	M	V	S	F	A	K	D	H	R	E	L	L	S	S	R	Y	K	L	I	L	F	A	T	G	T	T	
UniRef90_V2Y6R9		K	Q	K	N	I	A	L	I	A	H	D	G	K	K	K	E	T	I	E	W	C	L	E	N	K	S	V	L	A	K	H	F	L	S	G	T	G	T	T			
UniRef90_R5R205				N	I	A	L	I	A	H	D	K	K	K	G	E	L	L	D	F	V	K	D	N	E	E	L	E	A	R	H	N	L	F	A	T	G	T	T				
UniRef90_A7HDD1				K	N	V	A	L	I	A	H	D	S	R	K	K	D	D	L	L	E	W	V	K	Y	N	R	Q	V	L	K	E	H	R	L	F	A	T	G	T	T		
UniRef90_A6LPD6		M	K		I	A	L	I	A	H	D	K	K	K	E	D	I	L	E	F	S	K	K	Y	K	D	V	L	A	K	Y	E	L	V	A	T	G	T	T				
UniRef90_B2VDH0		A	Q	K	H	I	A	L	V	A	H	D	H	C	K	Q	T	S	L	M	Q	W	V	A	H	K	S	K	L	Q	H	H	L	L	Y	A	T	G	T	T			
UniRef90_C6CAH0			K	K	H	I	A	L	V	A	H	D	H	C	K	Q	T	S	L	M	E	W	V	S	A	N	K	S	Q	L	S	E	H	H	L	Y	A	T	G	T	T		
UniRef90_V5HLL6		N	K	Q	K	H	I	V	A	L	V	A	H	D	H	Y	K	Q	E	L	L	Q	W	T	I	E	N	K	E	K	L	A	K	H	S	L	L	Y	A	T	G	T	T
UniRef90_A9NF94				R	I	A	L	I	A	H	D	K	K	K	D	L	M	I	Q	F	T	K	D	H	E	D	Y	L	S	N	H	R	T	L	L	Y	A	T	G	T	T		
UniRef90_UPI000475B8E8				R	I	A	L	I	A	H	D	R	K	K	P	E	L	M	S	W	A	R	T	H	R	E	T	L	A	R	H	R	L	L	Y	A	T	G	T	T			
UniRef90_U4KTC3		M	K		I	A	L	I	A	H	D	K	K	K	D	L	M	I	E	L	A	K	T	F	V	N	V	L	K	K	H	Q	L	F	A	T	G	T	T				
UniRef90_UPI0003B3F220		K	Q	K	T	I	A	L	I	A	H	D	K	K	K	E	L	V	E	W	C	E	H	N	K	F	R	L	E	K	H	L	L	Y	A	T	G	T	S				
UniRef90_I3DAT3			R	K	H	I	A	L	V	A	H	D	H	C	K	K	D	L	I	S	W	C	S	Q	H	H	V	A	Q	L	T	P	H	E	F	L	Y	A	T	G	T	T	
UniRef90_E4U5M6		K	K	A	L	A	L	I	A	H	D	K	K	K	A	D	L	I	A	F	A	K	D	H	R	E	L	A	R	F	P	L	V	A	T	G	T	T					
UniRef90_U7VDS2		K	M	K	K	I	A	L	I	A	H	D	N	M	K	P	E	M	V	S	F	A	K	Y	E	H	I	L	A	K	Y	D	L	V	S	T	A	T	G	T	T		
UniRef90_T0IN37			M	K	T	I	A	L	I	A	H	D	R	K	K	E	E	M	L	S	L	V	L	E	N	R	D	V	L	A	S	Q	Y	D	L	I	A	T	A	T	T		
UniRef90_U7PAZ0		E	R	K	R	I	A	L	I	A	H	D	G	K	K	E	E	L	L	E	W	S	G	R	W	R	D	T	L	A	A	H	E	L	T	G	T	G	T	T			
UniRef90_S6EU70		S	K	H	K	N	I	A	L	V	A	H	D	H	C	K	E	K	L	N	W	C	K	H	R	A	L	L	E	K	H	H	L	L	Y	A	T	G	T	T			
UniRef90_K9SD03			M	P	T	I	A	L	I	A	H	D	R	K	K	D	D	M	V	A	F	A	K	R	H	A	P	L	L	A	R	F	Y	K	V	L	V	A	T	G	T	T	
UniRef90_T4W495				N	I	A	L	I	A	H	D	E	M	K	N	T	M	V	G	F	C	I	G	Y	E	S	I	L	C	N	Y	G	L	Y	A	T	G	T	T				
UniRef90_I9M5M5			M	K	T	V	A	L	I	A	H	D	R	K	K	E	M	L	E	F	V	V	K	H	Q	Q	L	L	A	R	K	H	H	L	L	Y	A	T	A	T	T		
UniRef90_UPI00046B0372		A	R	K	R	I	A	L	V	A	H	D	G	K	K	N	E	M	L	D	W	A	N	R	W	R	D	E	L	L	S	K	H	Q	L	V	G	T	G	T	T		
UniRef90_UPI00036A748F			M	K		I	A	L	I	A	H	D	K	K	K	N	D	M	V	R	F	V	K	Q	H	L	S	L	F	E	R	H	T	L	L	Y	A	T	G	T	T		
UniRef90_R6PUF9				N	I	G	L	I	A	H	D	S	K	K	T	L	M	Q	N	F	C	I	A	Y	R	G	I	L	S	K	H	N	L	L	Y	A	T	G	T	T			
UniRef90_UPI00046E6B29				N	I	G	L	I	A	H	D	S	K	K	K	L	M	Q	N	F	C	I	A	Y	R	G	I	L	S	K	H	N	L	L	Y	A	T	G	T	T			
UniRef90_R5TZQ1				N	I	G	L	I	A	H	D	S	K	K	K	L	M	Q	N	F	C	I	A	Y	R	G	I	L	S	K	H	N	L	L	Y	A	T	G	T	T			
UniRef90_L0A0Q8		A	A	K	H	Q	V	A	L	I	A	H	D	K	K	L	D	L	A	L	F	V	L	Q	H	R	E	V	L	A	H	Y	H	L	V	A	T	G	T	T			
UniRef90_UPI00030ECD69				T	I	A	L	I	A	H	D	N	K	K	D	D	Q	M	V	E	F	V	K	R	H	K	A	L	L	Q	R	Y	P	E	L	I	A	T	G	T	T		
UniRef90_D5W5G8				R	I	A	L	I	A	H	D	H	K	K	D	D	I	V	K	L	A	G	E	Y	V	D	T	L	A	R	C	E	L	V	A	T	G	T	T				
UniRef90_T0SPZ3		K	K	K	T	I	A	L	V	A	H	D	H	R	K	A	D	L	I	Q	W	C	I	D	H	K	D	K	L	A	K	H	N	L	C	A	T	G	T	T			
UniRef90_K9WL85				T	I	A	L	I	A	H	D	R	K	K	D	D	I	V	S	F	V	R	A	H	T	P	L	L	A	S	R	Y	K	L	I	A	T	G	T	T			
UniRef90_UPI00046E6B29				N	I	A	L	I	A	H	D	R	K	K	A	D	I	V	S	L	A	R	E	F	A	S	Y	L	A	T	C	H	L	V	A	T	G	T	T				
UniRef90_R7FQI7		Q	R	K	T	I	A	L	I	A	H	D	H	K	K	A	D	I	V	Q	F	C	K	E	N	K	E	V	L	A	Q	Y	D	L	C	G	T	G	T	T			
UniRef90_E4RTP1				N	I	A	L	V	A	H	D	N	K	K	D	D	I	L	S	W	A	D	Q	N	K	D	I	L	K	N	H	T	L	L	A	T	G	T	T				
UniRef90_R4KC13		K	Q	K	K	I	A	L	V	A	H	D	N	R	K	E	D	L	I	S	W	A	D	Q	N	K	D	I	L	C	K	H	F	L	C	G	T	G	T	T			
UniRef90_UPI0001745D5F			M	P	T	I	G	L	V	A	H	D	H	C	K	D	N	L	L	A	W	A	Q	K	H	R	E	Q	L	Q	G	W	T	L	C	C	A	T	G	T	T		
UniRef90_UPI0002EE333D		S	K	S	K	Q	I	A	L	V	A	H	D	H	R	K	T	D	L	R	W	V	E	E	N	K	D	A	L	S	H	H	Q	L	F	A	T	G	T	T			
UniRef90_C0EA46				N	I	A	L	I	A	H	D	S	K	K	E	L	M	V	Q	F	C	I	A	Y	C	G	L	L	S	R	H	T	L	L	Y	A	T	G	T	T			
UniRef90_A6VU79		E	R	K	N	V	A	L	V	A	H	D	N	M	K	P	A	L	I	E	W	A	E	K	H	K	E	K	L	T	K	H	N	L	M	A	T	G	T	T			
UniRef90_U1K2S8		A	K	K	H	I	A	L	V	A	H	D	G	M	K	P	A	L	I	E	W	C	Q	T	H	L	D	S	L	K	Q	H	K	H	N	L	Y	A	T	G	T	T	
UniRef90_D6DLQ8			Q	K	K	N	I	A	L	I	A	H	D	N	E	K	Q	K	L	I	A	W	C	K	E	H	K	T	K	L	E	K	H	N	L	Y	G	T	G	T	T		
UniRef90_B6EI79			K	H	I	A	L	V	A	H	D	N	Y	K	A	E	L	L	R	W	V	K	E	N	K	E	A	L	Q	G	H	F	L	Y	A	T	G	T	T				
UniRef90_UPI0004766143			M	K		I	A	L	I	A	H	D	K	K	K	D	D	I	L	K	F	L	R	Q	H	L	G	F	F	K	D	H	N	L	F	A	T	G	T	T			
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UniRef90_A1U1W8		A	V	K	S	V	A	L	V	A	H	D	N	K	K	K	E	L	V	D	W	A	N	E	N	R	T	R	L	A	P	L	R	L	Y	A	T	G	T	T			
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UniRef90_K9YLM2				N	I	A	L	I	A	H	D	N	K	K	N	D	L	V	N	F	V	Q	A	Y	H	R	D	F	F	A	R	Y	H	L	I	A	T	G	T	T			
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UniRef90_UPI000464160D				N	V	G	L	V	A	H	D	S	K	K	K	L	M	Q	N	F	C	I	A	Y	R	G	L	L	S	K	H	H	L	L	Y	A	T	G	T	T			
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D E D K E E G L A L A R R F N E F
D K D K Q E G G E L A K R F L A D
T I A D E T K E E A L A L A K R F T D V
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T V L L T V A D R D K E E A I K L A E R F N K I
I V T V A D K D K E E A V E L M T G Y K R L
D K D K D E A L S L V E R F H Q I
D Q D K E E V P I A E G F E N L
N I V F T V D D T D K E E A L E L A K V Y Q S I
D K D K E E A C T I A Q R F Q E L
D K D K N E K I V W V A K K L K E L
D D D K P M A L E I A R G L H E S
D A D K D S L D I V K D A E E L
I A D D S K A E A L E L A K R F L A I
I A G D S K E E A L Q L A Q R F A N I
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V L L T I E D N D K A Q I L P L A K R F L A I
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D E D K D V A L T L A K R F S N I
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D E D K E E V L G L A Q R F Y E L
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L A T V A D K D K Q Q A L T L A K R R F A K I M
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UniRef90_I8SHS0	V L E R R L S Y
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UniRef90_W4PWR2	V L E S I
UniRef90_D2RKS4	A M G A M
UniRef90_Q3K150	V L E S R
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UniRef90_D2RHF0	G I E A V
UniRef90_W5X9P5	A L E
UniRef90_F6D3N8	A I K N V
UniRef90_U3TLF1	V L E S R S
UniRef90_A3CNI5	V L E S R S
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UniRef90_B2GD06	S L E M T S
UniRef90_Q8RG86	V I E S M S
UniRef90_R5Z5U4	V L E S R S
UniRef90_R7I425	S L E T Q
UniRef90_X1LSB3	T L L N G S Q T
UniRef90_R6HIL4	V L E
UniRef90_A4VUG9	V L E S R S
UniRef90_U4WPW8	V L E T I
UniRef90_R6QN93	G I Q S L
UniRef90_C4Z6G3	S L E
UniRef90_F9DPH2	V I E S M
UniRef90_A1HTA5	A L A V M S E R R
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UniRef90_G9YQT8	
UniRef90_U4TH73	V L E A R S
UniRef90_UPI0003743906	V I E S M
UniRef90_G6KDJ6	V L E S R S
UniRef90_R6TX02	V L E E M
UniRef90_N1ZNP7	A L E N R S
UniRef90_U4QF54	S L E N R S
UniRef90_L0K9V3	V L Q E I K S
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UniRef90_R5R2T2	S L E N
UniRef90_G4Q6V2	A L G A M
UniRef90_W1W9B5	V V A N R
UniRef90_F9N5T8	V V A S R
UniRef90_F5L6E6	V L E S I
UniRef90_Q05Y85	
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UniRef90_UPI000424CB9F	V L E
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UniRef90_D2EJQ2			N T D K E E V V G L A K R F W D L	L L G Y Q E L V A T E E G T	
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UniRef90_UPI00040A2179			D K D K E E A R S I A G R F Y N L	L L G F K L L A T S G T	
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UniRef90_J0WS44			D Q D K E E A L P I A K G L C D L	L L M G W T I Y S T E G T	
UniRef90_T0M1R2			D R D K P A L V P V A R S L A G I	L L R G F S I Y A T P G T	
UniRef90_W7CWD2	K M K T	V L V T V N	D R D K E E A A A L V K R F S A I	L L G F Y G I V A T K G T	
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UniRef90_K9Y7S7			N R D K Q L V I P V V K D F I E L	L L G F D L I A T E G T	
UniRef90_Q3ZYB7		L A	D R D K A E A L P L I R T L H G L	L L G Y N F Y A T E G T	
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UniRef90_U9VIX8			D R E K E A V V P L A K E L A E T	L L G F F R L I A T A G T	
UniRef90_B6INY7			R D K P A M V P M A K R L A E T	L L G F F R I V A T R G T	
UniRef90_T4BV25			D R D K R A T V P I A R D I A R L	L L G F F R I V A T G G T	
UniRef90_K9SBA5			D R E K Q A V V P A V R E L A N L	L L G F F H V V A T S G T	
UniRef90_W4LM56			D R D K P A A V R L A R D L A D L	L L G F F H V V A T Q G T	
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UniRef90_UPI00046D3C47			D K D K L D S L N I R S L N N	L L A G C K L Y A T E E T	
UniRef90_UPI000364A51C		L A A I A	D K D K Q E A V P I I R Q Y A D	L L M G F A V I F A T E E T	
UniRef90_D5XAD9			D R N K Q A V V P V V K E F I D L	L L G F A V M A T E E G T	
UniRef90_X5JWD9			D R D K A A A I A V V K E F I Q L	L L G F S V M A T S G T	
UniRef90_K9R6B8			D R D K P A A V R L A R D L A D L	L L G F F H V V A T Q G T	
UniRef90_F2TY60	Q K T	I L I M A G	D H K D D F L A S A R A L A A	L L M G Y K L L A T P P T	
UniRef90_UPI000288BDF2			D K D K A E A T A L A K R F V I E I	L L G Y S I F A T P G T	
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UniRef90_UPI000412AD58	K H K Q M	I I T V K	D K D K G E I I D I A K R Y E Q L	L L G Y V I Y S T L G T	
UniRef90_A5D508			D R D K A E A V S I A G E Y A A L	L L G Y T L H A T P G T	
UniRef90_K4L2Z3			D F D K D S M I T V A K E L A D L	L L G F E L C A T R G T	
UniRef90_R7A1R6			D T D K S D L R E L V K E Y V A	L L M G F H I Y A T S G T	
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UniRef90_D1YV00			D E D K K E M A R L A K	L L V L H A N G L K L I G T	
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UniRef90_K8GGJ0			K Q K V M L L D S A K L L R D	L L K G Y I I Y A T E G T	
UniRef90_R5FZV9			D R D K G E V V E V A K R F K E	L L A G F A I L A T G H T	
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UniRef90_NOBBR5			D K D K K E L L K Y I K D L S G L	L L G F N L I A T E G T	
UniRef90_I0XPT4	K Y K N M	V I S V R	E E D K E D A V D I G R R F A K I	L L G Y K I Y A T K G T	
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UniRef90_R7NTP3			K V D L L E A S R A N K G		Y E I Y A T A G T
UniRef90_A8TQQ3			D A D K A A I V R I A G D L H R L		G F T L M A T A G T
UniRef90_R5D1D2	A L I S V		N R K K A E V V E I A Q S F A D		D G F K L V A T G N T
UniRef90_R6HJY9			D R D K R A I L P L A R D		L S R F K L L C T E G T
UniRef90_D0JAZ2			K L D L L E V V K L H K		K G Y I L F A T E G T
UniRef90_R7E0A7	K K N I L L T G T		P K Q K V E M L S A A R L L Q Q		K G Y K L F A T G G T
UniRef90_Q2QAL8			D E D K E G L I P M A R S L Q E		M G F K L H A T K G T
UniRef90_UPI00041067BA			R G V D K S R V V P V A R A L V E		R G Y S L V A T S G T
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UniRef90_R5R1D8			D E D K E A L P L T R R F Y E		M G F N I E A T V G T
UniRef90_E6VU25			D W D K A K L V L A A K D F A D		M G F R V I M A T G G T
UniRef90_F8E710			D S V K D N I V T V A E K L S N I		G F E I V A T S G T
UniRef90_S9PZS5			K E K A E L I P Y V R R L H N		A G Y N I F A T A G T
UniRef90_I0API1			K A E L I D E L L I L L		K K M G L Y G T K G T
UniRef90_I3IGZ0			D R D K K S M V P I A K K		H M F K I V A T R G T
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UniRef90_R6I913			D E D K E E A L P L V K R F Y H I		G F N I E A T A G T
UniRef90_UPI00042B41DF			D L T K P Y L E R I A K A F L I G L		G F Q I V S T S G T
UniRef90_UPI000255A165			D V D K A A V V P V A K D L A E L		G F I V A T G G T
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UniRef90_C0QQG1			D R D K P Q I V E L A R G L I D L		G F N I F A T K G T
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UniRef90_K0B2J3			D V D K A E G K S L V E E Y L A L		G Y F K L Y G S L G T
UniRef90_R5X H95			D Q D K E E F L E I A K D M K R V		G Y T F M A T E G T
UniRef90_F5JON3			D S K K V D L L D A C V M L Q E		N N Y D I Y A T A G T
UniRef90_R5ABR4			D Q D K P E I G E I A K K F A K		M G F E I Y A T T G T
UniRef90_U2WAA9	K H K N M V I T V R		D E D K E E I L P I A G R F A A L		M G Y R I F A T R G S
UniRef90_UPI0003B35BD7			D R D K A Q L V A L A R S L M E L		R G F E L V A T R G T
UniRef90_F2KPL2			K K E D L E P V A K K L A E L		G F K I I A T N G T
UniRef90_B9V282			D L T K P H L V K I A K A F I D I		G F Q I V A T A G T
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UniRef90_S6BTM2					F E L Y A T R G T
UniRef90_X1U7U1					G C L Y A T E G T
UniRef90_I7WIG6	I A D		D R D K P E A L P L L K N F S S L		G Y Q I M A T Q G T
UniRef90_R4YKD3			D A D K D G V V A V A Q G F A K L		G F E L V A T G G T
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UniRef90_F6EME7			N R D K R A L V F P I K R L A D L		G F T I L A T K G T
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UniRef90_R5Z610			D R D K R H L L S V A R		I L R Y F D I C S T E G T
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UniRef90_B4S5Y7			D H D K D E L I R I A K D L Y R I		G F D L V A T S G T
UniRef90_U4LE64	K K N I L L I G S		F K E K Q E M L P S I K K H Q		M G F K L F A T A G T
UniRef90_C0ECH4			D S D K Q E V V D V A E K F L D L		G F E I Y S T S G T
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UniRef90_H1LYF5	K H K K M I I T V R		D S E K R V I D I A K R F Q A L		K G Y I Y S T K G T
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UniRef90_A6Q2F0			D Y D K P F A P K L A K T Y I D L		G F E I V A T R G T
UniRef90_R5B0J5			K Q K A A M L E A A Q Q N R		C G Y R I Y A T G G T
UniRef90_C8XJK2			N A D K R S M V F P V K R L A D L		G F K L V A T E G T
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UniRef90_C1MRN4			D S D K P A V T E L A K Q L S E I		G M T L V A T G G T
UniRef90_C3JBW5			K Q K V A L M D A C R		L L K G Y T L Y A T E G T
UniRef90_C9S7J6			K D K K E M L P S V E K L Q K L		A G F G I L A T A G T
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UniRef90_UPI00035F0A09					K G Y T L C A T E G T
UniRef90_S6HE08					M G F K L V A T G G T
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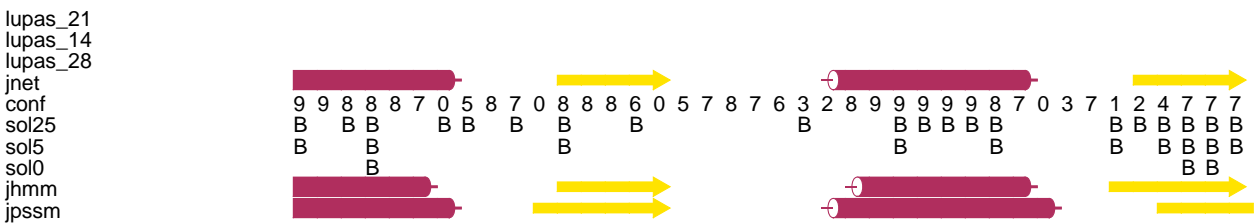
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