

QUERY	1	10	20	30	40																																								
UniRef90_P16172	T	S	Y	V	F	E	V	D	D	G	R	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T
UniRef90_U4L7Y8	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_F3NQD4	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_P30342	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_Q8G9P0	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_U2TEH2	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_D3LL14	T	Q	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_W3RQF5	T	G	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_C7NGB6	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_F2G325	T	S	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_G2UAR6	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_UPI000368F33A	T	Q	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_B1MAE1	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_S5TIV7	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_H8G9B4	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_A4TAS3	T	R	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_A7IDF5	T	G	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_C8PXI0	T	M	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_N1M2A3	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_U1LQT7	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_UPI0002F5984D	T	R	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_G2I8Q9	T	A	H	S	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_A0A038GTQ8	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_H8ZKX1	T	P	Y	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_Q8GBB5	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_V7FMD9	T	G	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_I3W123	T	R	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_A1TX80	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_U7LNN2	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_UPI0003450DEB	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_I4BSM2	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_K6X6L2	T	A	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_UPI000375A8C6	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_W9GD57	T	N	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_F4CKR9	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_A0A022L8J4	T	T	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_I2FG55	T	R	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_K9AZL2	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_E9UVL5	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_UPI000372263E	T	G	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_U5EA85	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_D3PUY2	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_D6K2J1	T	R	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_UPI0003745F2C	T	R	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_UPI0002ED0B76	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_UPI000364F01C	T	R	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_B5EAP1	T	P	H	S	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_UPI0003615CE8	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_UPI000372916D	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_D0L7Y2	T	P	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A	L	I	G	R	S	V	N	I	V	S	S	H	C	A	S	T	T	
UniRef90_D2PZV4	T	R	H	R	F	E	V	D	D	G	K	Q	L	L	Y	A	W	C	A	L	D	T	L	I	F	P	A</																		

QUERY UniRef90_P16172 UniRef90_U4L7Y8 UniRef90_F3NQD4 UniRef90_P30342 UniRef90_Q8G9P0 UniRef90_U2TEH2 UniRef90_D3LL14 UniRef90_W3RQF5 UniRef90_C7NGB6 UniRef90_F2G325 UniRef90_G2UAR6 UniRef90_UPI000368F33A UniRef90_B1MAE1 UniRef90_S5TIV7 UniRef90_H8G9B4 UniRef90_A4TAS3 UniRef90_A7IDF5 UniRef90_C8PX10 UniRef90_N1M2A3 UniRef90_U1LQT7 UniRef90_UPI0002F5984D UniRef90_G2I8Q9 UniRef90_A0A038GTQ8 UniRef90_H8ZKX1 UniRef90_Q8G9B5 UniRef90_V7FMD9 UniRef90_I3W123 UniRef90_A1TX80 UniRef90_L7LNN2 UniRef90_UPI0003450DEB UniRef90_I4B5M2 UniRef90_K6X6L2 UniRef90_UPI000375A8C6 UniRef90_W9GD57 UniRef90_F4CKR9 UniRef90_A0A022L8J4 UniRef90_I2FG55 UniRef90_K9AZL2 UniRef90_E9UVL5 UniRef90_UPI000372263E UniRef90_U5EA85 UniRef90_D3PUY2 UniRef90_D6K2J1 UniRef90_UPI0003745F2C UniRef90_UPI0002ED0B76 UniRef90_UPI000364F01C UniRef90_B5EAP1 UniRef90_UPI0003615CE8 UniRef90_UPI000372916D UniRef90_D0L7Y2 UniRef90_D2PZV4 UniRef90_UPI000462F5CB UniRef90_UPI000379A2E7 UniRef90_W7WHQ5 UniRef90_UPI000467AF0A UniRef90_E6PXT6 UniRef90_C2QLC0 UniRef90_A8TR58 UniRef90_W3ZZM8 UniRef90_UPI000361CA43 UniRef90_E1V303 UniRef90_I2FFZ5 UniRef90_UPI0004673DC5 UniRef90_W4A4B2 UniRef90_W9HAK1 UniRef90_L7L2V1 UniRef90_UPI00037741FF UniRef90_UPI000348B048 UniRef90_A1SIR9 UniRef90_V6JF33 UniRef90_UPI000366047D UniRef90_A3XLG0 UniRef90_UPI0004642FE9 UniRef90_UPI00034CA465 UniRef90_I3Z809 UniRef90_UPI000470743D UniRef90_F8L2V6 UniRef90_UPI000378DFE8 UniRef90_I0PX53 UniRef90_UPI0003698058 UniRef90_D6U649 UniRef90_T0J3Y1 UniRef90_F1ZDZ0 UniRef90_UPI000463E7F4 UniRef90_UPI0003702B23 UniRef90_UPI00036CE025 UniRef90_L8G9D7 UniRef90_UPI00037D5EBE UniRef90_F5SHP1 UniRef90_C1AS11 UniRef90_UPI0003B47D19

90 100 110 120

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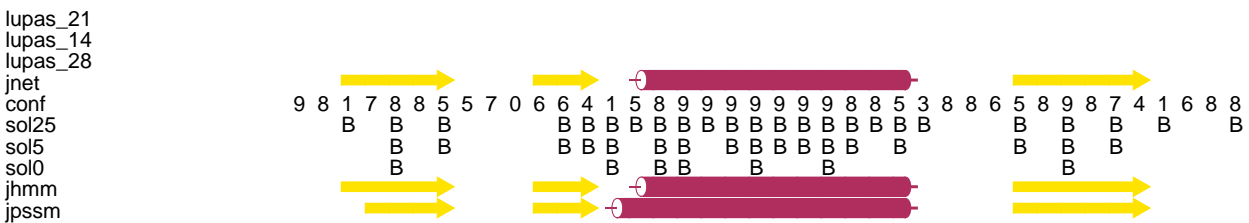
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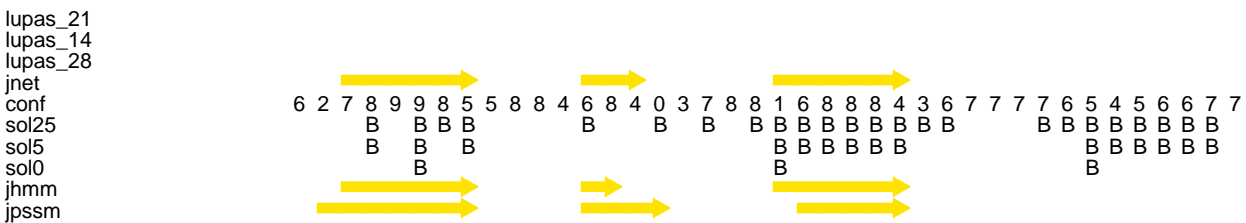
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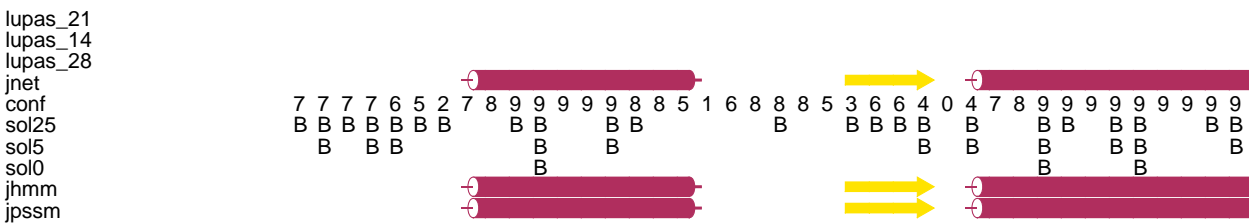
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