

QUERY UniRef90_UPI0004572DD4 UniRef90_M7C016 UniRef90_W5N1A3 UniRef90_M4A106 UniRef90_F7FJ28 UniRef90_S4R6H7 UniRef90_Q4RMW8 UniRef90_C3Z018 UniRef90_H3B8T2 UniRef90_Q5EAV4 UniRef90_H0YQ73 UniRef90_W5MUA2 UniRef90_V9KNS0 UniRef90_F6WHC1 UniRef90_UPI0003F06451 UniRef90_W4Y4I9 UniRef90_H2ZBB6 UniRef90_T2M6M6 UniRef90_F1KZH6 UniRef90_H2M1F0 UniRef90_W5K4C0 UniRef90_E1FY25 UniRef90_A0A016UAD2 UniRef90_V8PB86 UniRef90_UPI000329A6A3 UniRef90_UPI00033227D UniRef90_R7UD94 UniRef90_UPI00042B24AA UniRef90_A0A044RDS9 UniRef90_B9SC34 UniRef90_W2TB57 UniRef90_ROH2F0 UniRef90_C5Z067 UniRef90_I1GK13 UniRef90_C5WRU5 UniRef90_A0A022Q8U5 UniRef90_F2TVT2 UniRef90_B9RHZ3 UniRef90_W1PT08 UniRef90_M0RNG3 UniRef90_V4TN37 UniRef90_UPI00042B0856 UniRef90_A0A059BPB5 UniRef90_M4EBB3 UniRef90_I1M176 UniRef90_K3Z3B5 UniRef90_V4S9I6 UniRef90_UPI00042B0DF4 UniRef90_M0SAQ9 UniRef90_A0A022RT11 UniRef90_M5X771 UniRef90_S8CWG1 UniRef90_M5X775 UniRef90_A0A022R4P4 UniRef90_G5DWD2 UniRef90_UPI00032A86B0 UniRef90_UPI0003D2840F UniRef90_UPI0002B40E7B UniRef90_UPI0002B4790F UniRef90_B9RHZ4 UniRef90_UPI00035931F7 UniRef90_W1PQP7 UniRef90_B9H610 UniRef90_F6HK40 UniRef90_UPI00032ACB64 UniRef90_U5D0X4 UniRef90_UPI00032A960A UniRef90_S8BXL1 UniRef90_UPI00023B2089 UniRef90_K4CWH2 UniRef90_W1PRQ6 UniRef90_V4NYT8 UniRef90_UPI00032A8CAB UniRef90_M0TB16 UniRef90_A0A059CK20 UniRef90_UPI0003D2508A UniRef90_M4E8V3 UniRef90_M1AP53 UniRef90_M0S2M9 UniRef90_D8TED2 UniRef90_Q1SKX1 UniRef90_S8CRI4 UniRef90_W1PH33 UniRef90_M4D9T5 UniRef90_M0T4M5 UniRef90_UPI0002B41B6F UniRef90_M1C001 UniRef90_W1NDM6 UniRef90_D8SE89 UniRef90_M0REU4 UniRef90_M4CMT3

1 N S D V R I K F E E H N G E R R I I I Q F F S R S P V V K Y E D E V E H Q K V K T T V F G G Q Q P L M D D D
2 D V R I K F E E Y H N G E R R I I I P M F A R R P P V V K R Q Y E E D V V Q Q Q K V K T T A F G G Q Q P L L D D D
3 D V R I K F E E Y L G G E K R I I L L V F F G R R P P V V Q F E E K I L Q E K K V K S V F G G Q Q P L L D D E
4 N D D V R I K F D E Y H N G E K R I I L L Q Q F F P L R P P V V K L E K D V L R S K A K I A F G G Q Q P M D M D
5 N S D I R V V K F E E F K G G E K R I I L L Q Q F F P R R P P V V K L D D D L K A K A K V A F G G Q Q P M D M D
6 T D V R I K F E E Y D G G E K R I I I I Q Q F F P R R S V V K F K Q D D L Q N K V K T A Y G G Q Q L L L T E
7 D A R I K F E E Y N G E K R I I I I E F F R R R P P V V K L K D V Q Q K V T D A F G G Q Q T M D M D
8 S E V R I K F E E Y E G E K R I I I I Q Q F F R R R P P V V K F K M E L T Q K V T D A F G G Q Q M D M D
9 N D V R I K F E E Y E A G E K R I I I I Q Q F F R R R P P V V K F R E L W Q K A Q D A F G G R A V L D
10 T E I R V V K F E E F N G E K R I I I I Q Q F F P R R P P V V K Y D D I L L K A R T T F G G Q Q P V D S
11 D M R V K L E E Y Q S G E R R I I V P M A R P P V V M D D Q L Q V T V K R K Y G G E P L L S D
12 S D L R V K L E E Y R G E K F C I E M R R P P V V R F E Y L E S H L S S K Y S R Q Q L N
13 D L R V K L E E H H E R E K R I I P F Q K P L K K F R E L L Q K V T E A F G G Q Q M D M D
14 N V L K I K M E Y C C C F E M D R P P V V F D E L Q V H L N S R Y C N L K L N
15 S D I R I K F E E Y H N G E R R I I P F I R P P V V R Y E A L Q D H L Q R R Y G G K T I N D
16 N D V R V K F E E F K G E K R I I L Q Q F F R P P V V K L E D L R S K A K V A F G G Q T M G
17 E L R V K C E E F R G G E K R V M Q Q T G R P P V V R F S N L T D K I R Q Y V H Q D L K
18 I R K A E F R G G E K F C F E M H R P P V V M F D E L Q M H L N S R C K L K L N
19 L R K M E Y C G G E K R C I E M D R P P V V S M K G L Q D H L Q K R Y G G K T I N
20 G G Q T R I I T R I K K S V R F D E F E Q K M L E V Y G G P V V
21 G G E T R I I V R I S K D I S W E E L K Q K T I S I F N Q P H I V
22 G G D T R I I F R I S R D V S W Q D L R Q K T L A L Y N Q P H I
23 I R F K C C L G G Q E N R N I F L D S P V S L D Q L K Q K I V A Y F R K P L N
24 G G D T R I I S R S R D I S W Q E L K Q K T F A C N G P H V
25 G G N T R I I R I S R D I S W E E F M Q K T M A V Y S R P H T
26 G G E T R I I R I S R D V S W Q E L T Q K A L A I Y N Q A H T
27 G G D T R I I R I S K D I S W Q E L V E K M L T I Y G Q T H H V
28 G G E T R I I L S R L R K D V S W Q E L R Q K V L E Y Y R T H V
29 G G Q T R I I L S R L R K D I S W Q E L L Q K A L V M Y N L V H V
30 G G E T R I I S I N R N F S W K E L M Q K T L T I C S Q P H I
31 G G E T R I I S I R K D S T S W Q L L R Q K A L E V Y N Q V H V
32 G G E T R I I T V R R D S I L L P E I L R K V A E A C G G P V V
33 G G E T R I I R I S Q D I S W E E L K Q K A M M Y S E P H S
34 G G E T R I I R I R K D I S W Q E L I H K A L M S Y N Q V H V
35 G G Q T R I I T R I R E D V T F D V F L Q K M V D A Y I P N I A
36 G G E T R I I V R V S K D I F W Q D L M Q K M L T I Y E Q T R A
37 G G E T R I I R I S K D I S W Q E L W Q K T T A I Y D E T A A
38 G G E T R I I S I R N D I S W Q E L M N K T L G I C S Q P H T
39 G G E T R I I Q L K M D I S W Q E L M R K T S S I Y N E T Y A
40 G G E T R I I A M P R D I K F P D L M K K L T A L Y D D G M V
T E L K V K C E F G G E K R V T S V S R P V E F G Q L C Q R L Q E M Y Q M P L N
G G H T R I I N L W R G I R F Q E L Q K M V D V Y G Q R M V
G G E K R I M C I A R D I S W H E F K Q K T L A I Y Y E A R V
G G E T R V V A F S R D I N F S E L K Q K V T S L F D G D L V
G G E T R I I V S T V S K N I T H E D L T R K T S D I C N Q T H L
G G E T R I I V S T V S K N I S W H D L M Q K T L S V H N Q Y H T
G G E M R M I R I S K D I S W P E L M L K I S S I Y S D T H V
G G E T R I I S I R K N L M W R E F R E K T T A I Y N E T H A
G G E T R I I S I R K N L S W V E L V K K T S A I C N Q L H T
R G H I I S I R R G I G F Q E L M Q K M V D V Y G Q R M V
G G E T R I I R L R K D I S W L E L R Q K A L L T Y N L V H I
G G E T R I I V T P R D V S Y E E L L A R M R E L F D G A S I
G G E T R I I V C L P R D I T Y E E L L Y K M K E L F Y E A A V
G G D T H L V R L R N D V S W E E F R Q K M L T I F N N C H T
N G H T R V L A V P R S V S F S E L A S K M A E M F G S A V T
G G D T H L T R V S K D I S Y D E L M Q K M L T I Y S N V H T
G G E T R I I V S M G Q N V T W K E L M H K T F G I C K Q P H T
G G E T R I I V V V D R A I T L R E L L Q K L R K L T G K S M L
H G G E T R V L S V G R S A S F A E L S V K L A E M C G T P V S
G G E T R I I V S V Q R D I Y D E L M E K M R E L F D G A S S
K L K Y G G E T H I V S I S R K N L S W E E L K K T S A I C Q Q L H S
G G A T H I L R I N K S M S W E E L M Q R A R R M Y N Q T F V
G E T R I I S I R K N I S Y E E L T K K T Y A V C K Y A H T
G G E T R I I S I R K N I T W K V L W H K A V A I Y D P H I
G G V T R I I S I R R D I T W E E L M R K I L T I Y D H A T V
G G E T R I I V S L R K D V S Y A E L M L K M K H Y G S D L S
G G H T R I I S L R K D V S F P E F V G K M A E A V G S A V A
G G E T R I I S T Y K H V G L N E L M Q K T F A I C N H P H T

QUERY	50	60	70	80
UniRef90_UPI0004572DD4	L H Y M N N N E L L S I P L L	K R N Q D D D L D D K A V D I L L D R S S F S S N M K S S L	R K R I L L L V S A	
UniRef90_M7C016	L H Y M N N N E L L S I P L L	K R N Q D D D L D D K A V D I L L D R S S F S S N M K S S L	R K R I L L L V S A	
UniRef90_W5N1A3	L H Y M N N N E L L S I P L L	K R N Q D D D L D D K A V D I L L D R S S F S S N M K S S L	R K R I L L L V S A	
UniRef90_M4A106	L H Y M N N N E M S I P L L	R S G Q D D D L D D K A V D I L L D R S S F S S N M K S S L	R K R I L L L V S A	
UniRef90_F7FJ28	L H C Y M N N K W V I P L L	T Q S Q E E L D D K A V E L L M D R N S P H M K S C L	R K R I L L L V S A	
UniRef90_S4R6H7	L Y Y S G N E L M I P L L	R S Q Q E E L D D K A V E L L M D R N S P H M K S C L	R K R I L L L V S A	
UniRef90_Q4RMW8	L H Y T N N E V V I P L L	T T Q S D D L D D K A V E L L D R N S V H M K S L	R K R I L L L V S A	
UniRef90_C3Z018	M F Y T N T E I L S I P L L	L N Q Q D D L E D K A I L L D D H L S P S M K S L	R R I L L V S A	
UniRef90_H3B8T2	L H Y T N N E L L I P L L	V C C Q E E D M D R A L E Y L D A C P A L K S S L	R R I L L V S A	
UniRef90_Q5EAV4	L H Y T N N E L L I P L L	V C C Q E E D M D R A L E Y L D A C P A L K S S L	R R I L L V S A	
UniRef90_H0YQ73	L Y C V N N E L L L P L L	K S Q E E D L D D K A M E Q L E L S P S M K S L	R R V L L V S A	
UniRef90_W5MUA2	L Y Y P D K E L L L P L L	K S Q E E D L D D K A M E Q L E L S P S M K S L	R R V L L V S A	
UniRef90_V9KNS0	L H F T D S E F R I P L L	L K C C Q E E D L D R A V E N L D L N S T A K S C L	R R V L L V S A	
UniRef90_F6WHC1	L H Y L S N E V L I P L L	A C C Q S S A L D D R A I Q E V L D L N S K T R S L	R R V L L V S A	
UniRef90_UPI00033F06451	L H Y S N N E F I L I P L L	S S Q S S A L D D R A I E I T D R N S K G S K A L	R R V L L V S A	
UniRef90_W4Y4I9	M F L T N H N T L I P L L	R D Q T D L N H A V E I T D R N S P N A K S L	R R L L L V S A	
UniRef90_H2ZBB6	M L F C H N E L Q I P L L	H T N Q G R D V D K V M E L L D D R S S P N L R S L	R R L L L V S A	
UniRef90_T2M6M6	I N Y E N G A V I Y I P L L	T N K Q R D L D R A I E L L D D R S S P A Q R S L	R R L L L V S A	
UniRef90_F1KZH6	I Y Y T N S E L I V P L L	R N Q Q E L D D R A I E L L D D R S S P A Q R S L	R R L L L V S A	
UniRef90_H2M1F0	M F F L E K E L V L P L L	K T Q E E L D D R A V L A G S S S S V T N G L L	R R L L L V S A	
UniRef90_W5K4C0	L Y Y T N H E L I V P L L	R N Q Q E L D D R A V E L L D R T S H Q R S L	R R L L L V S A	
UniRef90_E1FY25	L Y Y T N H E L I V P L L	R N Q Q E L D D R A V E L L D R T S H Q R S L	R R L L L V S A	
UniRef90_A0A016UAD2	M Y Y Q Q G E V V V S I	K S N Q D E L D R A I K V V D R N G Q R C L	R R L L L V S A	
UniRef90_V8PB86	L Y Y M N N E L L S I P L L	K S S H S G M P K Q V R I T D K K S M L	R R L L L V S A	
UniRef90_UPI000329A6A3	L H Y T N N E N S S L P S L	E E L D N G F R V T D K K S M L	R R L L L V S A	
UniRef90_UPI000333227D	L H Y T N N E K T I P L L	S S L E E D L D N T A I N L V D Q N E R M H S L	R R L L L V S A	
UniRef90_R7UD94	M F Y T S Q D V T C L L	L D Q K D L D N T A I N L V D Q N E R M H S L	R R L L L V S A	
UniRef90_UPI00042B24AA	I K Y Q D L D A L V S I S C S	D D L D N M M D V V E R S S G S A K L R V F L F S	R R L L L V S A	
UniRef90_A0A044RDS9	I Y Y T N H E L I V P I R N Q	L E L V D D R A I E L V D Q R D G S A K L R V F L F S	R R L L L V S A	
UniRef90_B9SC34	I K Y Q D L D A L V S I S C A	D D L D N M M D L V Q R D G S A K L R V F L F S	R R L L L V S A	
UniRef90_W2TB57	M Y Y Q Q G E V V V S I K N Q	D E L D R A I K V L E R S S G S G K L R V F L F S	R R L L L V S A	
UniRef90_ROH2F0	I K Y Q D L D A L V S V S C S	D E D L D R N M M E L V E R S S G S G K L R V F L F S	R R L L L V S A	
UniRef90_C5Z067	I K Y Q D L D A L V S V S N D	E D L R N M M E L E E G D G S G S Q K L R V F L F S	R R L L L V S A	
UniRef90_I1GK13	I K Y Q D L D A L V S V S S N	E D L R N M M D M I E E E G S Q K L R V F L F S	R R L L L V S A	
UniRef90_C5WVRU5	I K Y Q D L D S L I S V S S N	E D L L E N M M L F G S G S G S H K L R V F L F S	R R L L L V S A	
UniRef90_A0A022Q8U5	I K Y Q D L D A L V S V S C P	D D L L E N M M D L F E R S S G S A K M R I L L F S	R R L L L V S A	
UniRef90_F2TVT2	I L V V D T E K R K R L R T	Q D D L D Q C L K S V D A Q S S S T A V R L V L	R R L L L V S A	
UniRef90_B9RHZ3	I K Y Q D L D A L V S V S C C	D E D L R N M M E E V D D R E G S Q K L R M F L F S	R R L L L V S A	
UniRef90_W1PT08	I K Y Q D L D A L V S V S C C	D E D L R N M M E L E E D R S K G S P K F R M F L F S	R R L L L V S A	
UniRef90_M0RNG3	I K Y Q D L D A L V S V S C C	D E D L Q N M M E V L E G G E G S Q K L R M F L F S	R R L L L V S A	
UniRef90_V4TN37	I K Y Q D L D A L V S V S C C	D E D L Q N M M E L E D R G T Q K P R M F L F S	R R L L L V S A	
UniRef90_UPI00042B0856	I K Y Q D L D A L V S V S C C	D E D L Q N M M E V L E D G G S Q K P R M F L F S	R R L L L V S A	
UniRef90_A0A059BPB5	I K Y Q E L D A L V S V S S D	E D L Q N M M E E L D F R E G S H R L R M F L F S	R R L L L V S A	
UniRef90_M4EBB3	V K Y Q D L D A L V S V S C E	D E D L Q N M M E E M E N R R E G S Q R L R M F L F S	R R L L L V S A	
UniRef90_I1M176	L K Y Q D L D A L V S V S S E	E D L Q N M M E L L D N R R E S Q R L R M F L F S	R R L L L V S A	
UniRef90_K3Z3B5	I K Y Q D L D A L V S V S C C	D E D L Q N M M E N L E K A N G S V R L R M F L F S	R R L L L V S A	
UniRef90_V4S916	I K Y Q D L D A L V S V S C C	D E D L Q N M M E L G D R E G S Q R I R M F L F S	R R L L L V S A	
UniRef90_UPI00042B0DF4	I K Y Q D L D A L V S V S S D	E D L Q N M M E V E G L G K L E G S Q R L R M F L F S	R R L L L V S A	
UniRef90_M0SAQ9	L R Y Q D L D A L I S V S T T	E D L D N M M E E Y D R D S P S A K L R V F L F S	R R L L L V S A	
UniRef90_A0A022RT11	I K Y Q D L D A L V T V S S	D E D L Q N M M E L L D V G E S Q K L R L F L F S	R R L L L V S A	
UniRef90_M5X771	I K Y Q D L D A L V S V S C C	D E D L L N M M E E L E D K E G P Q K L R M F L F S	R R L L L V S A	
UniRef90_S8CWG1	I K Y Q D L D A L V S V S C C	D E D L E N M M D L T E R S G V S A K L R V F L F S	R R L L L V S A	
UniRef90_M5X775	I K Y Q D L D A L V S V S C C	D E D L Q N M M E T V L Q D G G S Q K P R M F L F S	R R L L L V S A	
UniRef90_A0A022R4P4	I K Y Q D L D A L V S V S S D	E D L L N M M E L L E D G K G S K K L R M F L F S	R R L L L V S A	
UniRef90_G5DWD2	I K Y Q E L D A L V S V S S D	E D L Q N M M E V L G D G G E G S N K L R L F L F T	R R L L L V S A	
UniRef90_UPI00032A86B0	L K Y Q D L D A L I S V S S D	E D L Q N M M E I G L E S H E G S Q R L R I L L V	R R L L L V S A	
UniRef90_UPI0003D2840F	F K Y Q D L D A L I S V S S D	E D L Q N M M E I G L E S H E G S Q R L R I L L V	R R L L L V S A	
UniRef90_UPI0002B40E7B	I K Y Q E L D A L V S V S C D	E D L Q N M M E E C N N D K G S K K L R L F L F S	R R L L L V S A	
UniRef90_UPI0002B4790F	L K Y Q D L D V L V S V S S	D E D L K H M L D E Y D R S E G T P K L R C F L F S	R R L L L V S A	
UniRef90_B9RHZ4	I K Y Q D L D S L V S V S C	D E D L L N M M E V E D R G S Q K L R M F L F S	R R L L L V S A	
UniRef90_UPI00035931F7	V F Y T N G E M R		R R L L L V S A	
UniRef90_W1PQP7	I K Y Q D L D T L I S V S C	D E D L Q N M M E L L K T S P R S R Q M L H V L F L F S	R R L L L V S A	
UniRef90_B9H610	I K Y Q D L D A L V S V S C C	D E D L Q N M M E L E D R S R G S R Q M L H V L F L F S	R R L L L V S A	
UniRef90_F6HK40	L K Y Q D L D A L V S V S K S	D E D L R H M L D E Y D R Q E G T P R L R A F L F L F S	R R L L L V S A	
UniRef90_UPI00032ACB64	I K Y Q D L D A L I S V S C S	D E D L H H M L E E L E R A G G S Q R L R I L L L F L S	R R L L L V S A	
UniRef90_U5D0X4	L K Y Q D L D A L V S V S S D	E D L R N M M E G L E N V D G S Q R L R I L L L S	R R L L L V S A	
UniRef90_UPI00032A960A	M K Y Q D L D A L V S V S S D	E D L R N M M E E L Q R R R G S L K L R L R M F L F S	R R L L L V S A	
UniRef90_S8BXL1	I K Y Q D L D A L V S V S S G	D E D L L R N M M E L E R D G G L K R L R I L L F L F S	R R L L L V S A	
UniRef90_UPI00023B2089	I K Y Q D L D A L V S V S S D	E D L H H M I E Y H D L G K S S Q R L R L F L V	R R L L L V S A	
UniRef90_K4CWH2	I K Y Q D L D A L V S V S S D	E D L H H M I E Y H D L G K S S Q R L R L F L V	R R L L L V S A	
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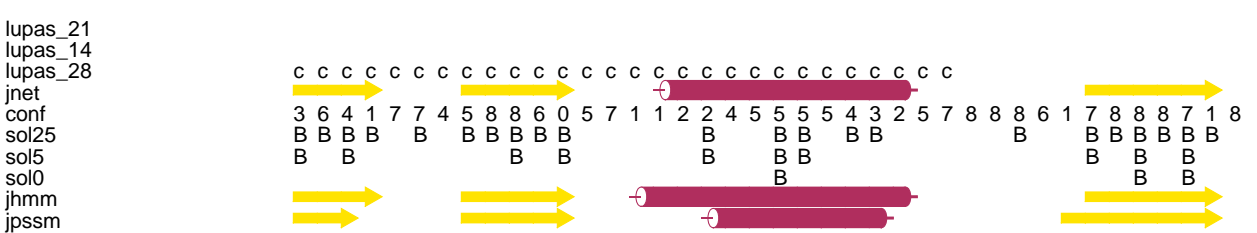
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