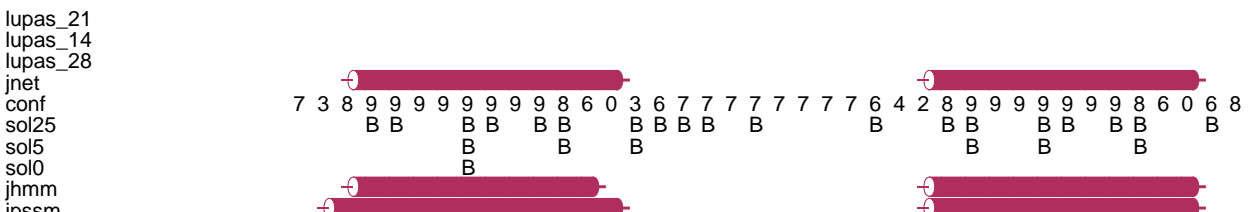


QUERY  
 UniRef90\_K9A784  
 UniRef90\_F2F7N0  
 UniRef90\_E5WF77  
 UniRef90\_UPI0002F3BA4B  
 UniRef90\_U5LDQ8  
 UniRef90\_W4EQ39  
 UniRef90\_K6DMP9  
 UniRef90\_R9C4M4  
 UniRef90\_E3ICS2  
 UniRef90\_W3AC57  
 UniRef90\_UPI00018508DC  
 UniRef90\_K6D561  
 UniRef90\_F9DWX9  
 UniRef90\_UPI00047DCDE4  
 UniRef90\_UPI0002F5AB0A  
 UniRef90\_M3CYD5  
 UniRef90\_UPI000463DFA5  
 UniRef90\_UPI0002886EC7  
 UniRef90\_UPI0002E1F034  
 UniRef90\_UPI00047D8F05  
 UniRef90\_W1SHN1  
 UniRef90\_UPI000479EA33  
 UniRef90\_UPI00046FD847  
 UniRef90\_UPI0001E89ADC  
 UniRef90\_W4RJW2  
 UniRef90\_UPI0002896239  
 UniRef90\_B1HXE4  
 UniRef90\_M7P3N7  
 UniRef90\_M5P0L2  
 UniRef90\_A7GUB3  
 UniRef90\_UPI00036CA688  
 UniRef90\_E3E3Y7  
 UniRef90\_UPI0003680045  
 UniRef90\_A7Z858  
 UniRef90\_G9QLP6  
 UniRef90\_W8QZH9  
 UniRef90\_UPI00028816FC  
 UniRef90\_K9AL13  
 UniRef90\_B9DIW0  
 UniRef90\_UPI00042A285D  
 UniRef90\_C2WDP9  
 UniRef90\_UPI00040E515B  
 UniRef90\_S3F141  
 UniRef90\_F0P8M1  
 UniRef90\_UPI00047D1221  
 UniRef90\_UPI000362F660  
 UniRef90\_F7PWF5  
 UniRef90\_E3EH22  
 UniRef90\_E6U228  
 UniRef90\_UPI000472357A  
 UniRef90\_UPI00047B46B0  
 UniRef90\_UPI0001E89A4E  
 UniRef90\_B1YKU5  
 UniRef90\_UPI000380301E  
 UniRef90\_R9K5C6  
 UniRef90\_S9UJL8  
 UniRef90\_X2GMU4  
 UniRef90\_UPI000287CF6E  
 UniRef90\_J2ZSR8  
 UniRef90\_W8YTJ3  
 UniRef90\_UPI00047E8F00  
 UniRef90\_H2JGJ9  
 UniRef90\_W7CZV0  
 UniRef90\_R2SUV6  
 UniRef90\_S5LXQ5  
 UniRef90\_G8LYT2  
 UniRef90\_D5E3Q3

1 10 20 30 40  
 G Q Q L N R L L L E W I G A W D P F G L L G K D A Y D V E A A S V L Q A V L Y E T E  
 K M N Q A A V H L L L E E W D P F H L L G P D D H Y D T E T A D V V V A A L L Q G N I D D  
 E M N Q K C V H L L L E Q W D P F S Y G G T D S Y S T E T A D V V V A A L L Q G N I D D  
 Q T N L L L V Y T L L D Q W D P F N L L G S E A Y D T E A A D V V A D L L Q G I L N D  
 E M N R K A V K I L L Q L W D P F F R C G E G N Y D T E A A D A I H A V L H H D L I D D  
 Q V M H M M M Y Q A L D Q W D P F F R C G E G N Y D T E A A D A I H A V L H H D L I D D  
 M N R K A I H I L L S E W D P F H L K N G N D Y D T E A A D V V A E A V L H H I L N D  
 Q T N L Q F V D V L N E W D P F H L K N G N D Y D T E A A D V V A E A V L H H I L N D  
 S Q E M N L E F I R L L N E W D P F S L G E G N Y E T E I A D S L Q A V L Y D L I D D  
 M N W Q L L H A I R A W D P F S Y G G N D A Y E T E A V D V L Q A V L H H L C D  
 E M N R K A A R V L E E W D P F S V G E D Q Y E T E I T D V V A Q L H L L D D  
 E M N T Q L V L L L K K W D P F K I G P N H Y D T E I A D V I Q A T H H S T E  
 S K M L N E K L R E V L N K W D P F L G L G P G A Y E V E V D I V A A V H H E I D D  
 E M K R A V A L L K E W D P F S A G E D A Y D L E I A D V I V A G L H H I L D D  
 A Q Q T N L K I M D V L L Q W D P F L G Y G A G H Y E T E V V D V L Q A V L H L F E  
 M N K K A K Q A L M K W D P F Q M G E G A Y E I E A S D V V A A L Q A I D D  
 N E M N R K A V E I M K Y W D P F A L G S E S Y G Q E L G N V I T Q L Q A I D D  
 Q A V R E M I K I T S K W D P F Q Y G E E F Y E T E A V D V V Q A V Y D E I D  
 Q M N Q K A V R I V V Q W N P F N L G E G F D Y A T E A A D V V A A L Q T I D D  
 Q Q T N I K L Y E I L Y W D P L G Y G E G F Y E T E I S D V L Q T L H I D D  
 Q T N L Q Y V D L L N E W N P F N L N N G G Y D T E I A D T I Q A I H H E L D D  
 Q T N L Q Y V D V L N E W D P F R L K N G G Y E T E I A D V I Q A I H H E L N E  
 Q T N L K F V D L L N E W D P F Q L K E N G N Y D T E I A D T I Q A I H H E L E  
 E M N K K A I H L L E E W D P F L A G S D A Y E L E I A D V V E E L Q L L D D  
 V N Y R L M E N V L L Q W D P F L G Y G V D A Y D T E C V D V V Q A V H H E L D D  
 S R E L S Y K L I H V L N K W D P F K V G E G E F D P E I A D I L Q A V H H D Y D  
 N Q Q A N L Q I M I T L Q E W D P L G Y G A G S Y E T E A V D V L E A A H Q F D D  
 M N Q A A V H L L E E W D P F H L L G P D H Y D T D T A D V V A A L Q G I D D  
 E I N H F A A D L L E R W D P F D Q G P G A Y E T E A D V I A A L H E A A  
 Q A A M Q I T I Q T V K K W D P F Q A G Q D F Y E T E A A E I V Q A V Y T E D  
 R M V E L V K N W D P F Q M G A E F Y E T E A S D V V Y V V S A F D D  
 Q L N F A L A D V L N G F D P F D A G P G F Y D T E I A D S I Y A V H R L D D  
 Q A V R E M M K I I S K W D P F K Y G E E F Y E T E A V D I V Q A V Y T K E  
 K M I D F V K N W D P F Q M G P E F Y E T E A S D I V Y L V S T F D D  
 Q A V M E M M K I I A K W D P F K Y G E D F Y E T E A V D I V Q A V Y S E D D  
 K T N L Q L A D I L M G W D P F R L G A G Q Y D T E A D I I Q A V H E T D D  
 Q A V E E M I Q L I K A W D P F Q Y G E D F Y E T E A D V I S A L Y D A E  
 E M N Q R A V Q M I A D W N P F D I P D F D Y A T E A A D I A A T M Q T I D D  
 N N D L N T E L Y K L I A N W N P M N F D D P T L D A E V Y E V M D Q V H Q L I G  
 N E V N L A L Y Q L L A D W N P M H F E D K T M D A E V Y E M M D A V H Q I D D  
 M R A E L L L A W D P L G Y G V G S Y G P E F D D I V V A L T Q L I D D  
 K M V E M V K D W D P F Q M G P E F Y E T E A S D V V Y V V S T F E  
 I Q L T Q W L E E W D P L N L G K A S Y D T E K A D I M G I L L Y V I T D  
 D L L A W D P L G Y G L G S Y G P E F D D I T V A L V Q I I D D  
 N N D L N I R L Y Q Y L A D W N P M Q F D D P T M D A E V Y E M M D A V H Q I G  
 D L L T W D P L G Y G T G S Y G P E F D E V M M A L I D V N  
 S P E G N V E L Y R L L G R W C P S A A G D F D S E I Y D S M D V I F R H E  
 V L N E W D P E G L R P D E Y D P E V K E T I N L G N E I L  
 M N N D I V Q M I N E W N P L E L Y P D E Y Y S E I H K I H E K S K E T N  
 A N N V V T K H V N N W D P M G A P D D E Y E F E I E R I T K E I S R C Q  
 M N D E I V R T I N E W N P I E L Y P D E Y Y S E I R K I Y E K S N Q T N  
 M K L K Q L I N R W D P L H A P K D E Y N F E I L D I V D A S N K L F  
 I N E W D P H A G E D R Y R L E I D K I V D A L V E I D  
 E L L K K Y D P F H L G E G N Y P T E M S A I L R L L T V H D  
 M T K K I T L I N D W N P I E L Y P L E Y D S E V K Q I Y E L L T L N D  
 I K K I I N D W N P I G A P D D E Y W T E I E E I Y E L L F R F T N  
 M V E E I T K I I N D W N P A E L Y P D E Y Y C E V S K I V E L L S S F E  
 E V I D N W D P L H Y P E D E Y D P E I R M I V E L L P T V T  
 I K K I I D K W D P L G L P S D E Y D Y E T E Q I F N F I K N T D  
 K V K N I I D R W D P I G L E H D H Y R F E I N E I I L L Q S Y S  
 M F E L I R D V V N E W D P F N L P D E Y K H E V R A I V C H I H D N T  
 M K E K V A K I I N D W D P I D L P K D E Y E M E I D L I S K L L D E S T  
 N E W D P I H A P S D E Y K N E I N Q I F Y C Y Q N Y S  
 M R N K V K H V I D E W D P I E A P S D E Y E S E I N Q I V H F L S R K E  
 M Y D L V E K I I N E W D P I D L P E D E Y S Q E I R K I M N V L K R K E  
 M Y E K V E K I I N D W D P I E L P K D E Y S Q E I N K I I S I V Q E N H  
 K I E K I I N D W D P I N L P P D E Y R T E I E K I Y N S C D K V C  
 N D V K E T I Q S I I Y T W N P L S L A S E E Y E A T W L L P M V Y K V E





|                        |   |
|------------------------|---|
| QUERY                  | S |
| UniRef90_K9A784        | K |
| UniRef90_F2F7N0        | K |
| UniRef90_E5WF77        | S |
| UniRef90_UPI0002F3BA4B |   |
| UniRef90_U5LDQ8        | S |
| UniRef90_W4EQ39        | K |
| UniRef90_K6DMP9        | S |
| UniRef90_R9C4M4        | S |
| UniRef90_E3ICS2        |   |
| UniRef90_W3AC57        | K |
| UniRef90_UPI00018508DC | S |
| UniRef90_K6D561        |   |
| UniRef90_F9DWX9        | K |
| UniRef90_UPI00047DCDE4 | S |
| UniRef90_UPI0002F5AB0A | K |
| UniRef90_M3CYD5        | K |
| UniRef90_UPI000463DFA5 | S |
| UniRef90_UPI0002886EC7 | K |
| UniRef90_UPI0002E1F034 | S |
| UniRef90_UPI00047D8F05 |   |
| UniRef90_W1SHN1        |   |
| UniRef90_UPI000479EA33 | S |
| UniRef90_UPI00046FD847 | K |
| UniRef90_UPI0001E89ADC |   |
| UniRef90_W4RJW2        |   |
| UniRef90_UPI0002896239 | T |
| UniRef90_B1HXE4        |   |
| UniRef90_M7P3N7        |   |
| UniRef90_M5P0L2        | T |
| UniRef90_A7GUB3        | S |
| UniRef90_UPI00036CA688 | S |
| UniRef90_E3E3Y7        | S |
| UniRef90_UPI0003680045 | S |
| UniRef90_A7Z858        | S |
| UniRef90_G9QLP6        | S |
| UniRef90_W8QZH9        | S |
| UniRef90_UPI00028816FC |   |
| UniRef90_K9AL13        | K |
| UniRef90_B9DIW0        |   |
| UniRef90_UPI00042A285D |   |
| UniRef90_C2WDP9        |   |
| UniRef90_UPI00040E515B | S |
| UniRef90_S3F141        |   |
| UniRef90_F0P8M1        |   |
| UniRef90_UPI00047D1221 |   |
| UniRef90_UPI000362F660 |   |
| UniRef90_F7PWF5        |   |
| UniRef90_E3EH22        |   |
| UniRef90_E6U228        |   |
| UniRef90_UPI000472357A |   |
| UniRef90_UPI00047B46B0 |   |
| UniRef90_UPI0001E89A4E |   |
| UniRef90_B1YKU5        |   |
| UniRef90_UPI000380301E |   |
| UniRef90_R9K5C6        |   |
| UniRef90_S9UJL8        |   |
| UniRef90_X2GMU4        |   |
| UniRef90_UPI000287CF6E |   |
| UniRef90_J2ZSR8        |   |
| UniRef90_W8YTJ3        |   |
| UniRef90_UPI00047E8F00 |   |
| UniRef90_H2JGJ9        |   |
| UniRef90_W7CZV0        |   |
| UniRef90_R2SUV6        |   |
| UniRef90_S5LXQ5        |   |
| UniRef90_G8LYT2        |   |
| UniRef90_D5E3Q3        |   |

|          |   |
|----------|---|
| lupas_21 |   |
| lupas_14 |   |
| lupas_28 |   |
| jnet     |   |
| conf     | 9 |
| sol25    |   |
| sol5     |   |
| sol0     |   |
| jhmm     |   |
| jpssm    |   |