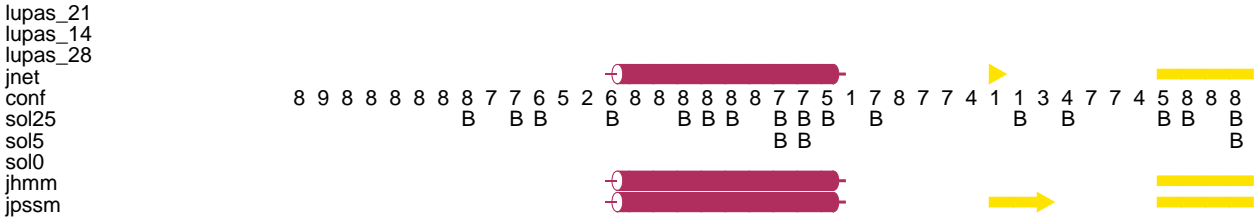


QUERY  
 UniRef90\_K7QLS1  
 UniRef90\_T9VT42  
 UniRef90\_S5F8T3  
 UniRef90\_T8MFU4  
 UniRef90\_D0D2Z1  
 UniRef90\_U3QWG8

```

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

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

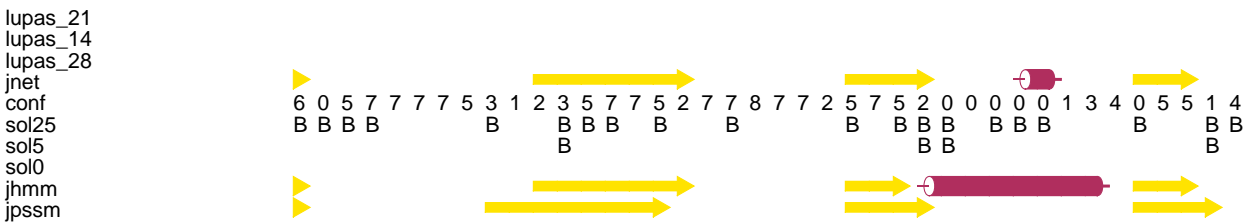


QUERY  
 UniRef90\_K7QLS1  
 UniRef90\_T9VT42  
 UniRef90\_S5F8T3  
 UniRef90\_T8MFU4  
 UniRef90\_D0D2Z1  
 UniRef90\_U3QWG8

```

50 60 70 80
T S L P D I S R F I N T R F V Y E R I P G Q P L Y Y A S E E F V Q G E L F K I T
T T L P D I S K F K N A A F V Y E R I V G Q P L T Y V S E G F F D G N L T K I T

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

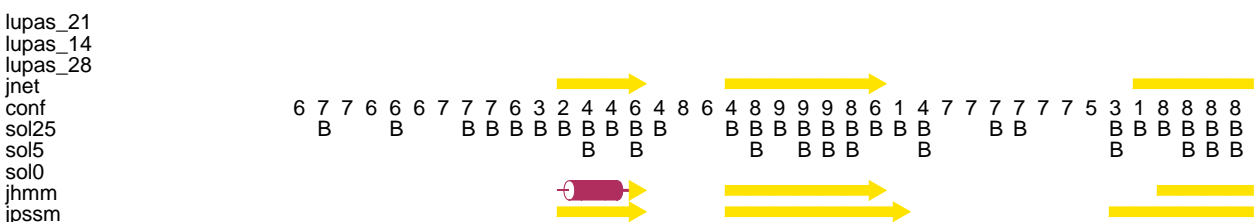


QUERY  
 UniRef90\_K7QLS1  
 UniRef90\_T9VT42  
 UniRef90\_S5F8T3  
 UniRef90\_T8MFU4  
 UniRef90\_D0D2Z1  
 UniRef90\_U3QWG8

```

90 100 110 120
D T P Y Y N A W P Q D K A F V Y E N V I Y A P Y M G S D R H G V S R L H V S W V
D T P F Y N A W T Q D K T F V Y D N V I Y A P F M A G E R H G V Q N L H V A W V

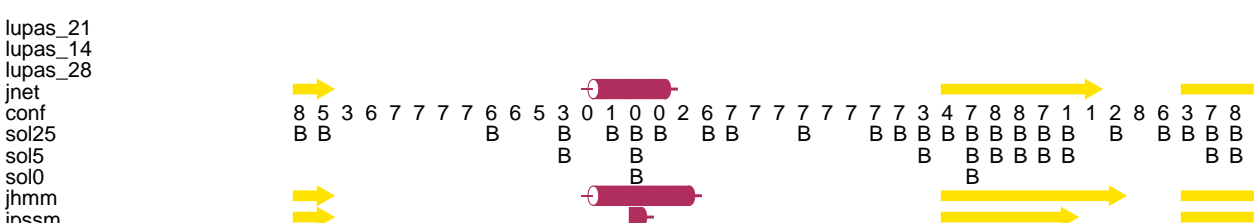
      M F V Y D N V I Y A P F M A G D R H G V N N L H V A W V
R T G Y Y T A W T Q D K A F V H N G V I Y A P F M L A F R H G Y D D L R I A W V
D T P W Y N A W T Q D K T F V Y D N V I Y A P F M A G D R H G V N N L H V A W V
R S E L Y E S W P Q D K C F L F E Q V L F L P W V K G S G H G N R D M S T S L I
F G R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



QUERY  
 UniRef90\_K7QLS1  
 UniRef90\_T9VT42  
 UniRef90\_S5F8T3  
 UniRef90\_T8MFU4  
 UniRef90\_D0D2Z1  
 UniRef90\_U3QWG8

```

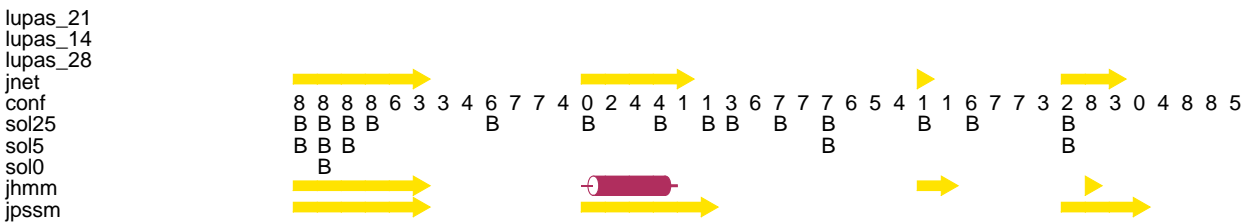
130 140 150 160
K S G D D G Q T W S T P E W L T D L H P D Y P T V N Y H C M S M G V C R N R L F
K S G D D G Q T W S M P E W L T P I H P D Y N A V N Y H C M S M G V C G N R L F
R S G D D G K T W T T P E W L T D L H E N Y P T V N Y H C M S M G V V R N R L F
K S F D N G N T W T T P E L L M D Y H P Q N P T L G W H C F S M G I V G N R L F
R S G D D G K T W T T P E W L T D L H E N Y P T V N Y H C M S M G V V R N R L F
R G T P K R L G P D L E H L F Q R I D E G A G T G G S T W S A G E V D G Q M L
V S D D D G G S S W E S P E L L D E      N L F G Y T T W C A G T D G T Y E Y
  
```



QUERY  
 UniRef90\_K7QLS1  
 UniRef90\_T9VT42  
 UniRef90\_S5F8T3  
 UniRef90\_T8MFU4  
 UniRef90\_D0D2Z1  
 UniRef90\_U3QWGB

```

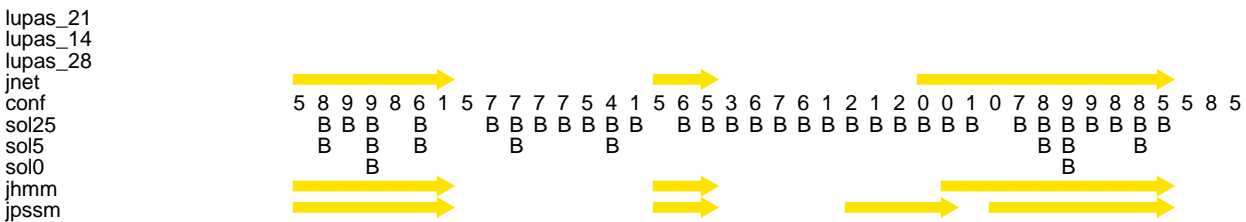
A M I E T R T L A K N A L T N C A L W D R P M S R S L H L T G G I T K A A N Q R
A V I E T R Y L S N M R L K K A E L W S R P M P Y Y R R P T G G I T I S S G S T
A V I E T R T V R G N K L Q V A E L W D R P M S R S L R V Y G G I T K A A N Q Q
M L V E E R D V A S K K M V R S F L Y S R V M T K N F F V T G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



QUERY  
 UniRef90\_K7QLS1  
 UniRef90\_T9VT42  
 UniRef90\_S5F8T3  
 UniRef90\_T8MFU4  
 UniRef90\_D0D2Z1  
 UniRef90\_U3QWGB

```

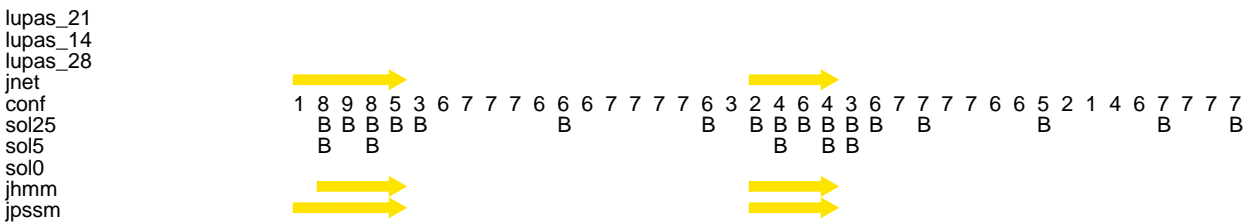
Y A T I H V P D H G L F V G D F V N F S N S A V T G V S G D M T V A T V I D K D
T A T I V L E K H G L K V G D A V N F S N S G A T G V S G N M T V A S V I N K D
V A Y I R I T D H G L F A G D F V N F S N S G V T D V T G N M T V T T V I D K N
V V T V E L E E H G L F V G D S I S F S N S G I S G V S G K M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



QUERY  
 UniRef90\_K7QLS1  
 UniRef90\_T9VT42  
 UniRef90\_S5F8T3  
 UniRef90\_T8MFU4  
 UniRef90\_D0D2Z1  
 UniRef90\_U3QWGB

```

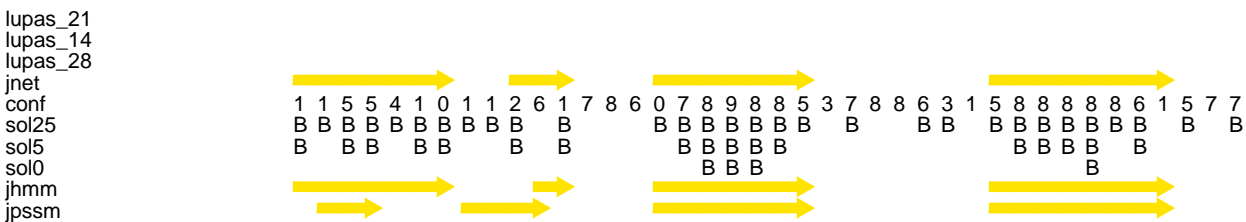
N F T V L T P N Q Q T S D L N N A G K N W H M G T S F H K S P W R K T D L G L T
T F T V T L A S A A T S N L D N T G T T W H F G T R F W D S P W E I T E L P D V
T F T V T T Q N T Q D V D Q N N E G R Y W S F G T S F H S S P W R K T S L G T I
R F T V M N S K E Q T I T N N D S W L C A T Y F E D N Q W Q I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



QUERY  
 UniRef90\_K7QLS1  
 UniRef90\_T9VT42  
 UniRef90\_S5F8T3  
 UniRef90\_T8MFU4  
 UniRef90\_D0D2Z1  
 UniRef90\_U3QWGB

```

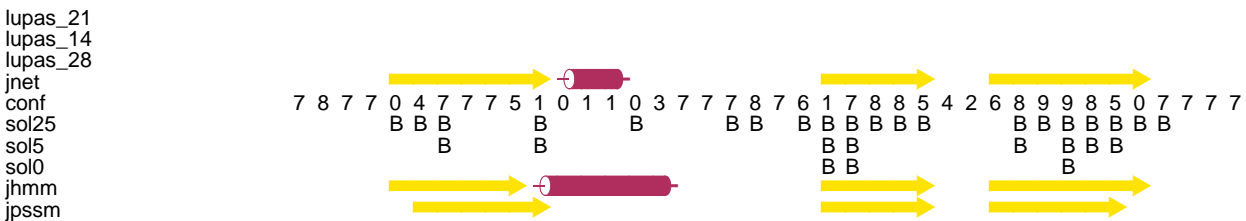
P S V T E V H S F A T I D N N G F A M G Y H Q G D V A P R E V G L F Y F P D A F
A C V T E T H S F T V I D N Y T F A V G Y H N G D V S P R R L G I L Y F N N A Y
P S V T E I H S F A T I S D N S F A V G Y H N G D L G P R E I G I L Y F S D A F
A A A T H L H S F C P V N R S Q F A F G F H N G D A S P R E I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



QUERY  
 UniRef90\_K7QLS1  
 UniRef90\_T9VT42  
 UniRef90\_S5F8T3  
 UniRef90\_T8MFU4  
 UniRef90\_D0D2Z1  
 UniRef90\_U3QWGB

```

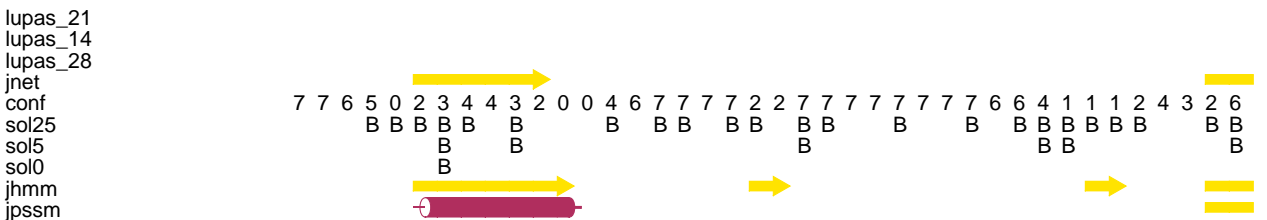
NS P S N Y V R R Q I P S E Y E P D A S E P C I K Y Y D G V L Y L I T R G T R G 360
SD P S S F T R R T I S Q E Y A D N A A E P C C I K Y Y D G I L Y L T T R G T S T
GS P G S F V R R R I P A E Y E A N A S E P C C V K Y Y D G I L Y L T T R G T L S
AT G R V T T D K I I L S E L S R A A A S E P C L R Y Y K N K L F L T T R S Q N
GS P G S F V R R R I P A E Y E A N A S E P C V K Y Y D G I L Y L T T R G T L S
AG A T I S G A V Q I G E Q S S D A E E P S V K W A S G N Y Y G F L R S Q S E
AT WT AY T I Q Q S S D A E E P S V K W A S G N Y Y G F L R S G
  
```



QUERY  
 UniRef90\_K7QLS1  
 UniRef90\_T9VT42  
 UniRef90\_S5F8T3  
 UniRef90\_T8MFU4  
 UniRef90\_D0D2Z1  
 UniRef90\_U3QWGB

```

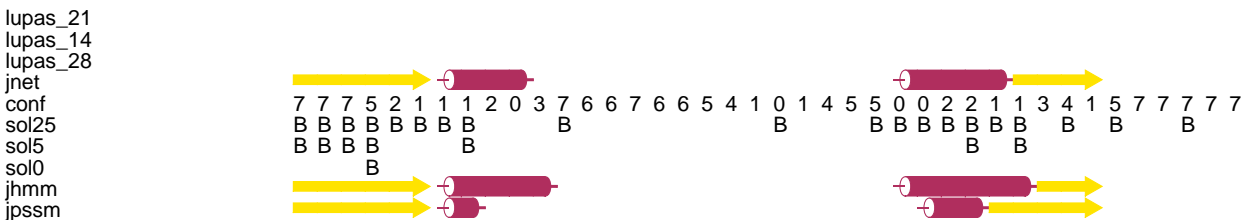
DR L G S S L H R S R D I G Q T W E S L R F P H N V H H T T L P F A K V G D D L 400
SA A G S T L A M S T D L G E N W N Y L R F P N N V H H T N L P F A K V G N Y L L
T Q P G S S L H R S S D L G T S W N S L R F P N N V H H S N L P F A K V G D E L
P N V G S L L I R C D L N G E N I S S F N I S E K L H Y T N M P F H I E N D V I
T Q P G S S L H R S S D L G T
T A Y G V T L H K C V M S G D A W N G K L V G V V N G T R T P A G A V G L
DA I N P Q F W V S T D N L A T F S F Y R A P Q P L G D S P V P L Q I V N G V V
  
```



QUERY  
 UniRef90\_K7QLS1  
 UniRef90\_T9VT42  
 UniRef90\_S5F8T3  
 UniRef90\_T8MFU4  
 UniRef90\_D0D2Z1  
 UniRef90\_U3QWGB

```

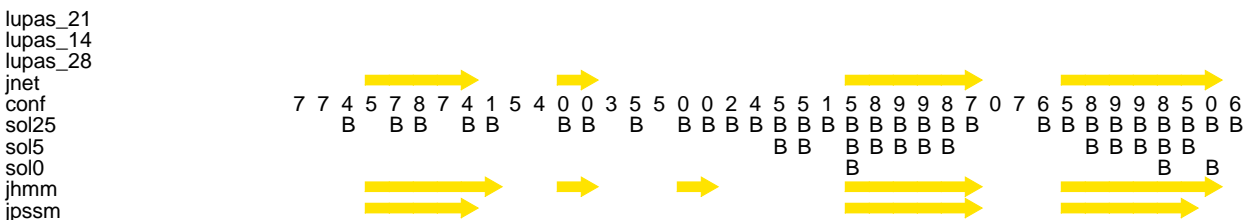
I M F G S E R A E N E W E A G A P D D R Y K A S Y P R T F Y A R L N V N N W N A 440
Y I F G T E R S F G E W E G E E L D N R Y K G T Y P R T F M C K I N V S S W S L
V I F G S E R A F G E W E G G E P D N R Y A G N Y P R T F M T R V N V N E W S L
Y M F A A E R A E N E W E T G Q S D N R Y R A N R P R M F L L K H R L S D W G K
Y A F V W E S F E A F E A G G F D S A E S Y Y I G S D N W A A
H A F C S Y R S G T L E G A G S D G P T S A F Y I R
  
```



QUERY  
 UniRef90\_K7QLS1  
 UniRef90\_T9VT42  
 UniRef90\_S5F8T3  
 UniRef90\_T8MFU4  
 UniRef90\_D0D2Z1  
 UniRef90\_U3QWGB

```

D D I E W V N I T D Q I Y Q G G I V N S G V G V G S V V V K D N Y I Y Y M F G G 480
SD V Q W F N I T D Q M Y Q G H I V N S A C G V G S V C V K D G W L Y Y I F G G
DN V E W V N V T D Q I Y Q G G I V N S A V G V G S V C I K D N W L Y Y I F G G
P E K T E V Q V I S Q I Y S G E A A N S A C G V G S V V Y K D G V L Y C L F G D
D T F V N S D T S A V G V G S M V V Q E N G V L C I A G A
  
```

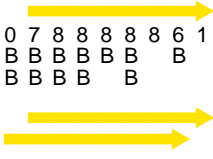


QUERY  
UniRef90\_K7QLS1  
UniRef90\_T9VT42  
UniRef90\_S5F8T3  
UniRef90\_T8MFU4  
UniRef90\_D0D2Z1  
UniRef90\_U3QWG8

```
                          490                          500                          510                          520
E D H F N P W T Y G D N S A K D P F K S D G H P S D L Y C Y K M K I G P D N R V
UniRef90_K7QLS1 E D F L S P W S I G D N S K K L W Y K H D G H P A D L Y S Y R L K I I T E H D F V
UniRef90_T9VT42 E D F L N P W S I G D N N R K Y P Y V H D G H P A D L Y C F R V K I K Q E E F V
UniRef90_S5F8T3 E D Y R N S H S L T E N A R N N A H I D S G Y Q P E I Y A L R I V L
UniRef90_T8MFU4
UniRef90_D0D2Z1
UniRef90_U3QWG8   Q E      N P G T T Y D
```

lupas\_21  
lupas\_14  
lupas\_28  
jnet  
conf  
sol25  
sol5  
sol0  
jhmm  
jpssm

```
7 7 7 7 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 5 0 7 8 8 8 8 8 6 1 7 8 8 9 9
      B      B B B B      B B      B      B B B B B B B
                              B B B B B B
```



QUERY  
UniRef90\_K7QLS1  
UniRef90\_T9VT42  
UniRef90\_S5F8T3  
UniRef90\_T8MFU4  
UniRef90\_D0D2Z1  
UniRef90\_U3QWG8

lupas\_21  
lupas\_14  
lupas\_28  
jnet  
conf  
sol25  
sol5  
sol0  
jhmm  
jpssm