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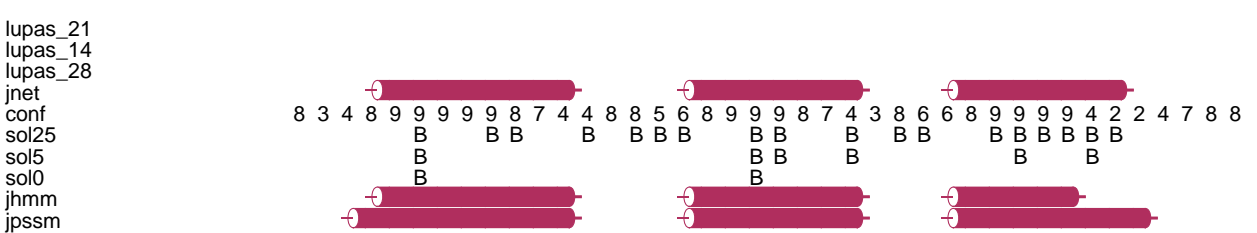
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I L G T R L K A Q R A A K S F S L E A L A A S G V L V S R M S M I S S E I E R K G T K M
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UniRef90_D4LD04 L S L D L M I K I A E A L D K D V S

| | 1 | 10 | 20 | 30 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|----|----|----|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| UniRef90_E9UTM4 | M | F | G | D | N | I | R | S | A | R | E | A | A | G | M | T | V | A | A | L | A | E | A | S | G | V | S | R | A | M | I | S | K | L | E | R | G | E | A | Q | |
| UniRef90_I7L1W3 | F | G | E | R | L | K | K | A | R | S | D | M | N | L | T | Q | G | D | V | A | N | E | L | Y | V | T | R | Q | T | I | S | S | W | E | N | E | K | T | Y | | |
| UniRef90_UPI0003B3D31B | I | G | N | R | V | R | F | Y | R | K | E | K | N | L | S | Q | E | E | L | A | L | Q | S | D | L | H | P | S | Y | I | G | Q | L | E | R | G | V | K | T | | |
| UniRef90_R5YR84 | L | Y | E | R | I | H | D | L | R | E | R | S | G | M | T | S | Q | E | D | L | A | M | R | M | G | V | L | T | R | S | G | V | N | A | W | E | M | G | V | S | K |
| UniRef90_G6XJR7 | V | G | N | R | I | R | L | R | R | T | L | L | G | L | S | Q | E | K | L | G | E | A | L | G | L | T | F | Q | Q | V | N | A | Y | E | R | G | T | N | R | | |
| UniRef90_F4FW07 | F | G | A | R | L | K | T | E | R | I | E | L | G | L | T | Q | Q | K | Q | V | A | D | T | M | N | V | S | R | Q | T | I | S | S | W | E | T | E | N | S | Y | |
| UniRef90_I7ENP3 | V | G | K | R | I | K | H | R | R | W | L | I | G | M | T | Q | Q | Q | L | A | E | L | V | G | I | K | F | Q | Q | I | Q | K | Y | E | T | G | A | N | R | | |
| UniRef90_R6R1V5 | F | G | E | Q | I | K | S | L | R | K | N | A | N | L | T | Q | E | Q | F | A | M | K | L | N | V | S | R | Q | A | V | S | N | W | E | N | N | K | N | L | | |
| UniRef90_A0A021VSJ1 | L | G | Q | R | I | R | E | A | R | L | A | R | G | M | S | L | R | E | T | A | A | L | A | G | V | S | P | S | L | L | S | Q | V | E | T | G | K | V | Q | | |
| UniRef90_R5Z3A6 | I | G | E | K | L | K | E | L | R | L | K | K | D | L | T | L | S | E | L | A | S | R | S | E | V | T | K | G | F | L | S | Q | L | E | R | D | L | T | S | | |
| UniRef90_N9A342 | V | G | E | N | I | R | F | F | R | D | Q | S | Q | L | S | Q | Q | E | L | A | D | R | A | G | L | S | R | R | T | I | A | A | L | E | T | G | Q | V | N | | |
| UniRef90_UPI00047D1D15 | M | K | N | R | I | R | E | L | R | E | A | Q | G | L | S | Q | E | A | L | G | A | K | I | G | V | H | W | Q | T | V | L | R | A | E | S | G | K | T | A | | |
| UniRef90_UPI00036A9564 | G | P | R | I | R | R | I | R | N | K | K | G | L | T | Q | T | A | M | A | E | G | L | G | I | S | P | S | Y | L | N | L | T | E | R | N | Q | R | P | | | |
| UniRef90_T0TK33 | N | R | L | K | I | L | R | K | E | K | G | L | T | Q | T | K | L | A | N | E | I | G | V | S | K | R | T | I | I | A | W | E | N | D | E | R | Q | | | | |
| UniRef90_UPI000471DF4D | I | G | D | N | I | R | A | L | R | K | K | N | G | L | L | Q | K | N | L | A | D | Q | L | N | L | T | R | Q | A | L | S | N | Y | E | V | G | K | R | I | | |
| UniRef90_C2Y1B6 | N | R | V | L | E | F | R | A | K | H | R | L | S | Q | G | D | L | G | K | A | I | G | S | S | R | Q | T | I | S | L | T | E | R | G | D | Y | A | | | | |
| UniRef90_UPI0004235581 | F | N | E | K | L | E | L | R | K | K | G | L | S | Q | D | E | L | G | N | A | L | G | V | I | S | R | Q | T | I | S | K | W | E | L | G | Q | S | Y | | | |
| UniRef90_G7VUL9 | L | I | G | V | K | I | R | Q | F | R | K | L | R | D | I | T | Q | E | Q | L | A | E | A | S | D | S | T | G | S | Y | I | G | K | L | E | R | G | E | V | N | |
| UniRef90_D6E755 | I | G | E | S | L | A | R | M | R | R | E | R | N | L | T | Q | E | D | V | A | R | R | L | Y | V | T | R | Q | A | V | S | R | W | E | T | G | E | T | E | | |
| UniRef90_W6V0E5 | M | I | N | D | R | I | R | R | A | L | R | R | E | R | N | L | T | Q | E | D | V | A | R | R | L | Y | V | T | R | Q | A | V | S | K | Y | E | K | G | L | S | T |
| UniRef90_UPI0003B3EC15 | I | V | G | D | N | L | R | E | A | R | A | R | A | G | L | S | L | E | A | A | A | E | A | T | G | V | S | K | A | M | L | G | Q | I | E | R | G | E | S | S | |
| UniRef90_G9ZMP2 | I | G | K | V | L | Q | E | R | E | K | H | H | W | S | Q | S | E | L | A | A | K | L | Q | I | S | R | Q | S | I | S | K | W | E | Q | D | V | S | L | | | |
| UniRef90_UPI0003B33B94 | V | G | K | R | V | R | E | N | R | K | A | N | G | Y | T | Q | I | Q | L | A | E | A | V | D | L | S | T | E | Y | I | C | E | I | E | T | G | R | K | K | | |
| UniRef90_E6TWR2 | L | G | S | N | I | N | N | K | R | K | S | L | N | L | S | Q | E | Y | V | A | D | Q | L | G | V | S | R | Q | A | V | S | K | W | E | N | N | L | S | K | | |
| UniRef90_N9NK55 | R | L | K | E | I | R | K | Q | R | K | L | T | S | Q | E | F | A | E | K | S | G | I | P | S | T | S | I | S | H | L | E | A | G | S | R | K | | | | | |
| UniRef90_UPI00041AD185 | M | I | R | E | N | I | K | A | I | R | Q | A | Q | L | T | S | Q | S | E | F | A | E | K | I | G | I | S | R | N | S | L | S | R | Y | E | N | G | I | S | S | |
| UniRef90_D5SY90 | A | N | Q | V | R | K | F | R | L | L | A | G | L | T | Q | Q | Q | L | A | E | Q | S | G | I | S | R | T | A | V | T | A | I | E | G | A | K | L | V | | | |
| UniRef90_T8JCR5 | L | S | E | R | L | I | T | L | R | R | E | R | N | L | T | Q | Q | A | M | A | D | A | I | G | I | H | A | N | S | W | K | K | Y | E | T | G | Q | A | Q | | |
| UniRef90_UPI000377D209 | L | A | E | R | L | R | A | L | R | G | E | R | G | W | S | L | D | E | L | A | R | R | S | G | V | S | R | A | T | L | S | R | L | E | N | A | E | V | S | | |
| UniRef90_C8WGZ7 | L | L | G | S | A | I | R | E | R | R | E | A | Q | S | L | S | Q | Q | K | L | A | L | M | I | G | S | S | K | S | H | I | W | R | I | E | S | G | R | V | S | |
| UniRef90_R5CUG4 | I | G | R | K | I | K | D | L | R | N | R | N | G | L | T | Q | E | L | A | D | R | T | E | L | T | K | G | F | I | S | Q | L | E | R | G | Q | V | S | | | |
| UniRef90_V6SDW3 | F | G | K | R | V | R | E | L | R | I | S | K | G | Y | T | Q | E | L | A | E | L | S | D | L | D | R | T | Y | I | P | G | I | E | A | G | K | R | N | | | |
| UniRef90_R4KFV3 | M | G | D | K | I | R | L | L | R | S | E | K | N | L | S | L | Q | D | L | A | Q | R | A | E | L | S | L | S | Y | L | S | E | I | E | R | G | A | V | F | | |
| UniRef90_A0A017J6D5 | F | G | E | R | V | K | E | L | R | I | A | T | G | L | S | Q | E | A | F | A | D | R | C | G | F | A | R | S | Y | M | S | R | I | E | R | G | G | S | N | | |
| UniRef90_UPI0003638BB5 | I | G | A | Q | V | R | R | I | R | A | D | A | G | W | T | L | A | E | M | A | A | R | T | G | L | S | K | A | M | L | S | K | L | E | N | A | Q | I | S | | |



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50 60
P T A V L L A R L S G A L E L T L S E L I A R V E
P D I S S L I Q L S N Y Y Q I S L D T L L K E D
P S V N T I Y K I T K T L D I S M S D F M K
P S L D N L L A L S R I F H T T T D Y L L G N D N E
V G A S R L Y D L A R V L D V P I G F F F D D
P D I D S L I Q L S D L F H I S L D V L L K E D
V S A S R L W D I S D A L S V P V S F F F E
P D I G M L I L M S D V F Q I S L D Q L I K G D
P S V T T L Y A V V T C L D L S V D D I L D H R P
P N V S T L E N I L E A L G T N L Q D F F S E Q P E
I S L A K L D A L A N A L G V D F K R L V S A P E
L G T T K L R Y Y A Q A L G V E P D E L L Q K D E
L T V Q L L L K L A S V Y K V D P D E L L
L K P E K A Q L L A K H F G V S V G Y L L G Y D
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P S I V L S L K I A Q L F G A P V E E I F
P D F Q R L V L L S D Y F G L S L D T L
V Q I K T L E K I A E A L E T N V F A F F D F N P
P G V D M C K L I A A T F D M P L M E L L E M P D K
P N S R V L Q L A K V L Q V S P E Y F F R A E
P T M A T L W K L C R G L Q L P L T A L I G
P S F A N V V A I S N L E K I S L D D L I R G D D E
A S L T A L V R I S K V L G I T I D E L L F G E
P S T Q N L I K M A T L F E C D I K E L V S S D
P S L E N F Y K L V V V L N V S A D Y L L G
V S T E L I D R I C H Q F N V S Y L D I V G E E
P S V A A A L A L S R T L G A S V E D L F D S S P
P S L D V L K K I A T S L H V S T D F L L F D E H E
P T A A V L G R L C A Y G L S V S R L M
V G L D D L G R I A D A L D V Q V R D L F S F
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P A L S T L K R I A E G L E V S V S S I M G Q E
A S L D A I E V L A N A L S V E P W Q L L
C S L T T L A R L A S A L D V P V T A L F R D A D

