

QUERY
 UniRef90_UPI0001CBA533
 UniRef90_Q6DD50
 UniRef90_H3AUF9
 UniRef90_Q5ZJ48
 UniRef90_UPI0003C12C04
 UniRef90_G3PSM4
 UniRef90_H2LKQ3
 UniRef90_M7AV28
 UniRef90_UPI0003F0822F
 UniRef90_UPI0000F5D6C3
 UniRef90_UPI00038EEE1C
 UniRef90_W5MGB2
 UniRef90_V9LD90
 UniRef90_D2I2I2
 UniRef90_UPI0004627701
 UniRef90_UPI00046B9C66
 UniRef90_UPI000298B571
 UniRef90_Q4RU54
 UniRef90_W5MVA3
 UniRef90_C1BX19
 UniRef90_UPI0004572431
 UniRef90_V9LFX8
 UniRef90_UPI000388B906
 UniRef90_V9LJK0
 UniRef90_UPI000175F84C
 UniRef90_L5LCT3
 UniRef90_V9L7J2
 UniRef90_M3ZP53
 UniRef90_UPI0003C4CC8C
 UniRef90_T1JGX9
 UniRef90_G3HCV8
 UniRef90_UPI000333FB88
 UniRef90_UPI0003C8EBD4
 UniRef90_UPI0001D54997
 UniRef90_UPI00046B1938
 UniRef90_UPI0001C65B05
 UniRef90_UPI0003337974
 UniRef90_M3WG60
 UniRef90_B4MQM2
 UniRef90_G3MHW8
 UniRef90_UPI00042C7406
 UniRef90_UPI0003AEB0BA
 UniRef90_UPI000265628A
 UniRef90_E9QD72
 UniRef90_T1IVX5
 UniRef90_X1WBG0
 UniRef90_UPI0003954FE5
 UniRef90_M0RBJ0
 UniRef90_UPI0002657082
 UniRef90_F6W0I2
 UniRef90_L8XYR8
 UniRef90_H3D978
 UniRef90_U6IBG8
 UniRef90_W4ZLB2
 UniRef90_F6R126
 UniRef90_W4ZLB0
 UniRef90_G7YJE2
 UniRef90_C3XW70
 UniRef90_E0VMT0
 UniRef90_L8YA60
 UniRef90_K1QCN7
 UniRef90_T1HHE6
 UniRef90_H2ZX79
 UniRef90_W5MXX9
 UniRef90_UPI0003337802
 UniRef90_UPI0003298D7D
 UniRef90_F7HZV8
 UniRef90_W5L575
 UniRef90_V8PEQ0
 UniRef90_U3JBM3
 UniRef90_A7S197
 UniRef90_UPI0003BBA53B
 UniRef90_B4GAZ3
 UniRef90_A4IHM2
 UniRef90_D3PHE7
 UniRef90_UPI0004575359
 UniRef90_UPI0003C35E7E
 UniRef90_UPI000273BEC9
 UniRef90_UPI0003C4AA62
 UniRef90_U5EML2
 UniRef90_T1JZU8
 UniRef90_UPI000273E0BC
 UniRef90_V4B465
 UniRef90_L8YBJ9
 UniRef90_W5N619
 UniRef90_E9HCA7
 UniRef90_E9G283
 UniRef90_Q1LXL0
 UniRef90_G5C4N7
 UniRef90_I3ISJ0
 UniRef90_T2MEX3

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

UniRef90_UPI0003957EF9
UniRef90_W4ZLB1
UniRef90_A8QH30
UniRef90_H3DGX1
UniRef90_B4J4Q1
UniRef90_Q6PBR4
UniRef90_R7UMT5
UniRef90_UPI0003C26446
UniRef90_UPI00042BD610
UniRef90_E4X853
UniRef90_T1G1E7
UniRef90_UPI0003F18E94
UniRef90_S4RVY4
UniRef90_C1BGU3
UniRef90_Q0VG93
UniRef90_D3TM73
UniRef90_R4GE45
UniRef90_H2LGY1
UniRef90_B3RMM7
UniRef90_N6U8L0
UniRef90_V8NBY6
UniRef90_UPI000333AA72
UniRef90_T1G687
UniRef90_K1RVK6
UniRef90_G3WZ43
UniRef90_UPI0004421006
UniRef90_Q4S069
UniRef90_R7UFK4
UniRef90_A7RJ15
UniRef90_UPI0003C8E0EE
UniRef90_UPI0003EBD6F4
UniRef90_UPI0004573191
UniRef90_U6P3T9
UniRef90_F1RGY2
UniRef90_A0A016VWKW1
UniRef90_L7MH07
UniRef90_H2XXW5
UniRef90_UPI000454244E
UniRef90_UPI00015800DE
UniRef90_Q2F6F6
UniRef90_A7SSR6
UniRef90_G3NGK1
UniRef90_Q9NFZ2
UniRef90_F6Z6E3
UniRef90_H3DS51
UniRef90_UPI0000F61A9B
UniRef90_D2HA74
UniRef90_H2XP47
UniRef90_C1C3S0
UniRef90_R7UGG7
UniRef90_B5XA04
UniRef90_Q4VT26
UniRef90_A8PT36
UniRef90_UPI00019276A6
UniRef90_U1G964
UniRef90_F1LBD0
UniRef90_UPI000394559F
UniRef90_UPI000292A9BA
UniRef90_UPI0002C597C1
UniRef90_T2M4A8
UniRef90_UPI00022B5463
UniRef90_V4BH20
UniRef90_L016X7
UniRef90_H0WB58
UniRef90_I1G1L1
UniRef90_S7N9H3
UniRef90_UPI0002B49217
UniRef90_UPI0003298D77
UniRef90_P54406
UniRef90_F6Q3Q7
UniRef90_G3PWZ7
UniRef90_K1QIH8
UniRef90_V9LFS9
UniRef90_U6HRH1
UniRef90_W4W3G8
UniRef90_T1JYW6
UniRef90_UPI0001CBAB05
UniRef90_E5S5N6
UniRef90_R7UHK6
UniRef90_UPI0002C64B73
UniRef90_T1GV84
UniRef90_G5ECT6
UniRef90_G7YKU6
UniRef90_L9KR80
UniRef90_W4YFG4
UniRef90_S4RZK4
UniRef90_UPI000457177A
UniRef90_R4V487
UniRef90_V8NLI2
UniRef90_B3DIM4
UniRef90_G4VPE9
UniRef90_UPI0004410181

1 10 20 30 40

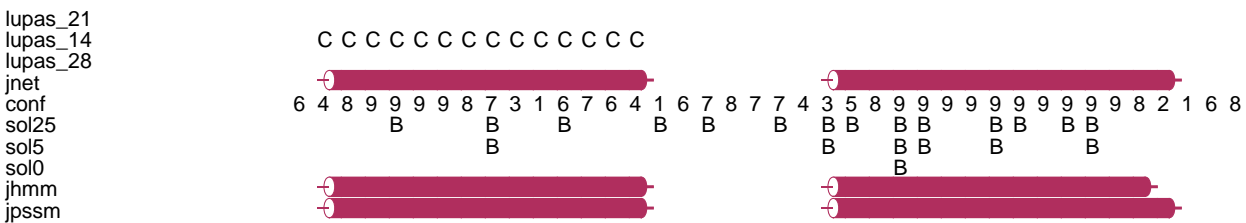
L R C L R C F C H R Q V S K A A A E L L S Y C E A H A C
Q N M R K M V E Q L K R M E A E V K P M L V S Q A A Q S L L K D Y C E K H Y S S
S I Q Q A R S V V E Q L R R R E R N L R R T T I S Q K A A A D L V R Y T Q D A H C Q R R E
I S Q Q A R S V V E Q L R R R E R N L R R T T I S Q K A A A D L V R Y T Q D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

UniRef90_UPI0003957EF9	D P L L T P V P T S E N P F R E K
UniRef90_W4ZLB1	D M L L T G M P T G D N P Y K D K
UniRef90_A8QH30	D I L L T G F P N D K N P F R P K
UniRef90_H3DGX1	D P L I I P V P A S E N P F R E K
UniRef90_B4J4Q1	D C L L S G F T S Q K N P F R E K
UniRef90_Q6PBR4	D P L V K G V P E D K N P F K E K
UniRef90_R7UMT5	D G L V V G V A Q S E N P F R D Q
UniRef90_UPI0003C26446	D P L L K G I P E D K N P F K E K
UniRef90_UPI00042BD610	D A L L I G V P A G S N P F R E
UniRef90_E4X853	D P L V V G I P A S M N P F K E K
UniRef90_T1G1E7	D V L M K G F P K Q D N P F K E K
UniRef90_UPI0003F18E94	D P L V K G I P E D K N P F K E
UniRef90_S4RVY4	D P L V K G V P E D K N P F K E K
UniRef90_C1BGU3	T P Y S L G S P P A P T P
UniRef90_Q0VG93	D P L V T P V P A A E N P F R E K
UniRef90_D3TM73	D C L L T G F N S Q K N P F R E K
UniRef90_R4GE45	D P L L A T I S P K D N P F R P
UniRef90_H2LGY1	D T L V K G I S E E K N P F K E K
UniRef90_B3RMM7	D P L V N P V D K K D N P W A D K
UniRef90_N6U8L0	D C L L V G F S S Q
UniRef90_V8NBY6	D P L I S P V P T S E N P F R E K
UniRef90_UPI000333AA72	D P L V T S V P A A E N P F C D K
UniRef90_T1G687	D A L M C G I D K K L N P F I E K
UniRef90_K1RVK6	D A L V I G V N Q S E N P F R E
UniRef90_G3WZ43	D P L L T G V S S S T N P F R P Q
UniRef90_UPI0004421006	D P L L T G V S S N P F R P Q
UniRef90_Q4S069	D P L L T G V P S S D N P F R P
UniRef90_R7UFK4	D V L I K G F A K Q D N P F K E K
UniRef90_A7RJ15	D P L I C P P D K K D N P W A E K
UniRef90_UPI0003C8E0EE	D P F L V G I P A A T N P F K E K
UniRef90_UPI0003EBD6F4	D A L L V G V P A G S N P F R E
UniRef90_UPI0004573191	D P L I T P V P T S E N P F R E K
UniRef90_U6P3T9	D V L L T G F P N D K N P Y R P K
UniRef90_F1RGY2	D P L I I P V P A S E N P F R E K
UniRef90_A0A016VWKW1	D T L V S G P S D A Q N P F Q E K
UniRef90_L7MH07	D P L I H A P D K K N P W A E K
UniRef90_H2XXW5	D P L L T G I D S K T N P F I E K
UniRef90_UPI000454244E	D P L V S P V P A A E N P F R E K
UniRef90_UPI00015800DE	D P L L R G I P E D K N P F K E K
UniRef90_Q2F6F6	D P L V N G V S A S E N P F R E K
UniRef90_A7SSR6	D Y L L Q G G S S S G N P Y K E
UniRef90_G3NGK1	D P L I K G V A D D K N P Y K
UniRef90_Q9NFZ2	D P L I N A P D K K N N P W A E K
UniRef90_F6Z6E3	D P L L K G I P E D K N P F K E K
UniRef90_H3DS51	D A L I S G P P D N H N P F Q E K
UniRef90_UPI0000F61A9B	D P L V K G I P E D K N P F K E
UniRef90_D2HA74	E A P L V G I P A G S K P F W
UniRef90_H2XP47	D F L L V K P P D N P F K P K
UniRef90_C1C3S0	D P L V K G I P E D K N P F K E K
UniRef90_R7UGG7	D P L I F P A K E N P Y K E K
UniRef90_B5XA04	D P L I K G V S D D K N P Y K
UniRef90_Q4VT26	D M L V S G P L D A H N P F Q E K
UniRef90_A8PT36	D M L V S G P I D N H N P F Q E K
UniRef90_UPI00019276A6	D P L I M K V P A S A N P F
UniRef90_I1G964	D P L V N P L A Q S D N P F K P K
UniRef90_F1LBD0	D P L V N P V D K R V N P W A E K
UniRef90_UPI000394559F	D P L L K G V P E D K N P F K E K
UniRef90_UPI000292A9BA	D P F L V G I P A A T N S F K E K
UniRef90_UPI0002C597C1	D P L L I G I A T S E T P F K D K
UniRef90_T2M4A8	D P L I Q N I K D S D N P F I D
UniRef90_UPI00022B5463	N H L L T G V S S S I N P F R
UniRef90_V4BH20	D H L I N P E K E N P F K P K
UniRef90_L016X7	D P F L S G V P S D H
UniRef90_H0WB58	D P L L R G V P E D R N P F K E K
UniRef90_I1G1L1	D P L V D G V P K R D N P F I K K
UniRef90_S7N9H3	D P L L K G V P D D K N P Y K E
UniRef90_UPI0002B49217	D P L V T P G A R K P N P W A E K
UniRef90_UPI0003298D77	D Y L I M G F A S K K
UniRef90_P54406	D M L V S G P T D Q H N P F Q E K
UniRef90_F6Q3Q7	D P F L N P E L M K N N P W V E R
UniRef90_G3PWZ7	D P F L N P E L M R A N P W V E K
UniRef90_K1QIH8	D G L V V T P D K K N P W A E
UniRef90_V9LFS9	D P F L N P E L M K N N P W V E K
UniRef90_U6HRH1	D P L L F P P K D N P F R E K
UniRef90_W4W3G8	D P L I H A P D K K N N P W A E K
UniRef90_T1JYW6	D Y L W K G F K S R E N P F R E R
UniRef90_UPI0001CBAB05	D P F L H P V D K K E N P W A D R
UniRef90_E5S5N6	D V L V T G I A D S H N P F Q E K
UniRef90_R7UHK6	D H F V N P P P D K T N P W V E
UniRef90_UPI0002C64B73	S G L L V C M P G G S S P F C D
UniRef90_T1GV84	D F L L T G F S S Q K N P F R E K
UniRef90_G5ECT6	D P L V N P I D K K V N P W A E K
UniRef90_G7YKU6	D P L I H R V K D N K F V E K
UniRef90_L9KR80	D
UniRef90_W4YFG4	D F L L T
UniRef90_S4RZK4	D P F L N P E L T K N N P W V E R
UniRef90_UPI000457177A	D I L V K G I A E D K N P F K E K
UniRef90_R4V487	V C W L A S V P
UniRef90_V8NLI2	D P F L N P E R M K N N P W V E R
UniRef90_B3DIM4	D P F V N P D A M K D N P W V E
UniRef90_G4VPE9	D P L L C P P R D N P Y K S Q
UniRef90_UPI0004410181	D P F L N A E M M R D N P W V E

```

UniRef90_E9CJ35          1          10          20          30          40
UniRef90_UPI0002659240      M K K T V D A L S A E L K F N R I K V S E A A K L L K D Y C K D T K
UniRef90_A0A016VTY2          R I P A S R A I E D L L A Y V T E R K N E
UniRef90_W8AZL5      T V E Q A R K T V E Q L R G E R N M R R T P V S A S A A D L I
UniRef90_C1BZX3          E T L K Q Q I S N M H Y Q A K M E R W P L F K S I E A M K E F I E E N E K S
UniRef90_V5GDG7      T I E D H R R E V E L L K N S L S R T R V K V S Q A L E S M V Q H V E I Y M E Y
UniRef90_UPI0003F0E2E5    T L E D Y K K Q I A Y L Q R A L Q R P R L K T S K A I H Y L I Q H C E Q Y A E H
UniRef90_L9KU04      T V S A L Q H L M E Q L K L E A G M E R I K V S Q A T T E L Q
UniRef90_H2XQR3          V S Q S C K E L M D Y C E S H A S Q
UniRef90_H2XP89      T I D S L N L I L S N L R R Q L D R H C L K M S K V C E S I I S Y S D Q Q N D Y
UniRef90_W5KFY6          K K E I E H N R K S L G R N R I K S S I C L E S F V K Y C E Q Y Q D H
UniRef90_I1BNL8      V S M L R I L L E E H L R H E L N L L R T S V S D A S T S L I N Y C N N H E
UniRef90_G6CX78      T I Q Q I T R E I E H L K A S L D R T R V K T S I A L E A L M A Y S E T F A A Y
UniRef90_UPI0001FE3427    L A A L Q E T V T Q L K S A I A R P K I K V S L A G E G L V S R C E V I A P Y
UniRef90_F4W7F9      S I E F L Q K E I E T L K D R L D K P V I K V S K V A E A L I G Y F E Q Y M E Y
UniRef90_UPI00046D7BA7    T L N D L Q R E V E L L R N S V T R T R I K V S V A I E N L K T H F E T Y M E Y
UniRef90_U6IQD9      I E N K K L E I Q M L K S R L N M K R L K L S V A I N D L K S Y C F E H A D A
UniRef90_N6TY94      T V E S L H K Q I I T L L K T Q L E R R N I K V S K A A E T F I A Y F E Q Y I E Y

```



50

UniRef90_E9CJ35 D P L I P S I D D K E N P Y K D K
 UniRef90_UPI0002659240 D Y L Y V G F P N Q K N P F R E K
 UniRef90_A0A016VTY2
 UniRef90_W8AZL5 D F F L Q P V L P S N P W
 UniRef90_C1BZX3 D P L I H A P D K K N N S W M E
 UniRef90_V5GDG7 D P L I T P T Q P S N P W
 UniRef90_UPI0003F0E2E5 D P L I S G A Q P S N P W
 UniRef90_L9KU04
 UniRef90_H2XQR3 D Y F L Y K T D K T N P F K E
 UniRef90_H2XP89 D P L L T P I P S N P W
 UniRef90_W5KFY6 D P I M Q G C L P S N P W
 UniRef90_I1BNL8 D P L L P S I P K K N N P F
 UniRef90_G6CX78 D P W L T Q P Q P S N P W
 UniRef90_UPI0001FE3427 D P F L T S M E P S N P W
 UniRef90_F4W7F9 D P F F T Q P E L T N P W
 UniRef90_UPI00046D7BA7 D P M M T Q P Q P S N P W
 UniRef90_U6IQD9 D Q L I N A S K D D P F K N K
 UniRef90_N6TY94 D P F F T P P E Y T N P W

lupas_21
 lupas_14
 lupas_28
 jnet
 conf
 sol25
 sol5
 sol0
 jhmm
 jpssm

7 5 1 3 3 6 7 7 7 6 7 7 7 8 8 9
 B B B B B B B B B B

