



QUERY

UniRef90\_M5VV38  
UniRef90\_V4TQG1  
UniRef90\_I7GGD4  
UniRef90\_V4S3E1  
UniRef90\_W9RJZ5  
UniRef90\_W9RJZ5  
UniRef90\_A0A022QY56  
UniRef90\_D6BR63  
UniRef90\_UP100046DB3AA  
UniRef90\_B9S4U9  
UniRef90\_U5G1C3  
UniRef90\_V4RZQ6  
UniRef90\_I1NI60  
UniRef90\_W9S0M9  
UniRef90\_M5Y1Z6  
UniRef90\_W9R3U3  
UniRef90\_Q8LN0  
UniRef90\_C6T3N0  
UniRef90\_A0BEL5  
UniRef90\_Q6YEY6  
UniRef90\_A0EEX1  
UniRef90\_A0A022QV7  
UniRef90\_P19873  
UniRef90\_G7JZ30  
UniRef90\_I1NI58  
UniRef90\_D7LCC7  
UniRef90\_K4C8B3  
UniRef90\_G714R4  
UniRef90\_B9HUC7  
UniRef90\_V7B0H2  
UniRef90\_UP1000345F38F  
UniRef90\_P16064  
UniRef90\_UP10002B4CA3A  
UniRef90\_UP10002C2EBAF  
UniRef90\_B9NFT8  
UniRef90\_M4E9M6  
UniRef90\_UP1000346D957  
UniRef90\_V4SD25  
UniRef90\_M5W784  
UniRef90\_D7T7B6  
UniRef90\_UP10002C30833  
UniRef90\_M0SNM6  
UniRef90\_UP10003D73E1D  
UniRef90\_UP10003D73E1D  
UniRef90\_UP10003D73E1D  
UniRef90\_W9RBQ1  
UniRef90\_M0SNM7  
UniRef90\_UP100042B4B31  
UniRef90\_UP100042B11F1  
UniRef90\_P20076  
UniRef90\_UP100042B71C9  
UniRef90\_A0A059CGA4  
UniRef90\_M5XWN0  
UniRef90\_I1LYH2  
UniRef90\_UP100046DE955  
UniRef90\_UP100046DE955  
UniRef90\_Q4FE26  
UniRef90\_W9RI77  
UniRef90\_K3ZBI5  
UniRef90\_P82381  
UniRef90\_UP10002B45EF4  
UniRef90\_B9RTD8  
UniRef90\_A2CHN2  
UniRef90\_K4CVY1  
UniRef90\_V4VV59  
UniRef90\_V4ADV9  
UniRef90\_Q41361  
UniRef90\_K4CVY0  
UniRef90\_K3YC10  
UniRef90\_R0EYA8  
UniRef90\_K4CVX4  
UniRef90\_I1H000  
UniRef90\_B9IIU3  
UniRef90\_B9S4U8  
UniRef90\_M8BXE2  
UniRef90\_UP10003D24919  
UniRef90\_M7YT2  
UniRef90\_UP10002C2E29A  
UniRef90\_P05118  
UniRef90\_M0VFS7  
UniRef90\_Q2QNZ6  
UniRef90\_Q8LN1  
UniRef90\_W5AAW5  
UniRef90\_Q6XNP7  
UniRef90\_G7IW84  
UniRef90\_A0A022PQY9  
UniRef90\_I1QJ10  
UniRef90\_R0GPN4  
UniRef90\_M5VH1  
UniRef90\_K4CVX5  
UniRef90\_B6UH04

50 60

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

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

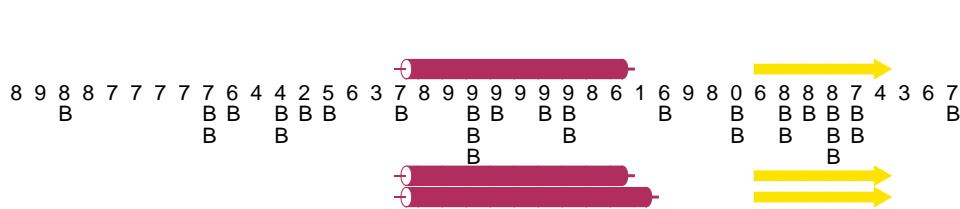
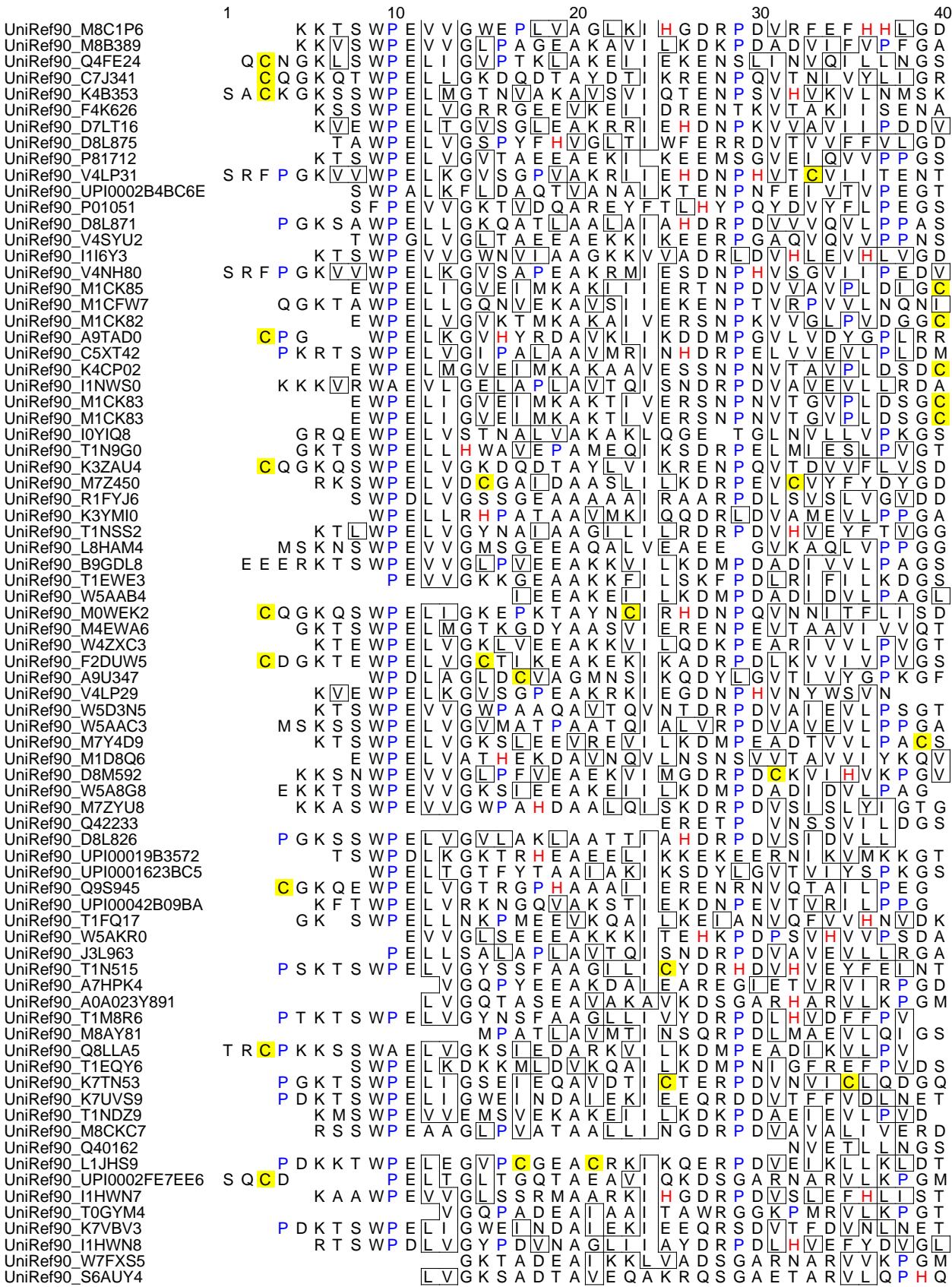






50                   60

UniRef90_A0BS59	P T T R D F R M N R V R I   F H N D K N I V V Q L P R R G
UniRef90_B6U463	A V T S D F G F D R V R V F V   G T V A Q T P H V G
UniRef90_A0A059BKLO	I S P D I S R S D R V Y V S I   D E N G N V A K V P
UniRef90_Q40444	P V T K D F R C N R V R V   F V N V L D D V V V Q I P R V G
UniRef90_A5Y6Z6	V W T P A I F C D R V L V F V D A N G I V N S V P T V G
UniRef90_M8AEV6	S S D T Q F I A N R V R I   F V N G T T V A E T P I V G
UniRef90_A9TU23	M V T M D Y N E N R V R I   F V D D E R K V V K C P T I G
UniRef90_D8R3Q3	L V T A D F D K N R V R I   Y T D C S N R V V R T P S I G
UniRef90_UPI000234FA58	P V P P D F N A E R V R V   F Y D S L A I V T Q I P K V G
UniRef90_D8L860	L Q P P D F D A H R V   C L F H D S N L I V V R T P V V G
UniRef90_P01054	M V P L N F N P N R V F V L V H K A T T V A Z V S R V G
UniRef90_W1PLG1	F V T M D Y D L R R V R L Y V D A T G I V V K T P A L G
UniRef90_J3L965	T V P P G F S A K R V R V   F F D A T G P V T R T P F V G
UniRef90_W5HI24	T V A P G Y N A E R V R V   F F A A T G L V V S T P H V G
UniRef90_K3YYQ1	T V S P G Y N A K R V R V   F F N S L G P V V I S T P L V G
UniRef90_S8DUF1	L V T F D L C N R V R V   Y D S Q N R V S A V P L V G
UniRef90_A0A022S2C4	P T T R D F R C D R V W V W V N D Y G V V I R T P V G
UniRef90_R0GST1	V V L T V V V C D R V Y V R V N D H G I V T R T P S V G
UniRef90_N1QWV4	P V P I G F N S K R V R V   F Y D S Q A L V A N I P I V G
UniRef90_M8AS75	P E P P T F E R F R V V W W C N E Q P I V T R T P V I G
UniRef90_W5A8M8	Q V T Q D L N L N R V R I   V V A V A R T P M V G
UniRef90_G7IW93	F V T A D Y N T Q R V R L Y V D Q S N K L I K T P T I G
UniRef90_K3YZ11	E V P P G F D D K R V R R L F V D F N L K V A L T P V V G
UniRef90_11GZZ8	K V S K G F N P K R V R V F F D S Q G L V V R T P V V G
UniRef90_P86971	T L T F D F R C D R V V L I N R G G V V T K T P T V G
UniRef90_K3YXT0	P E P R D F D P H R V   C L F V D D S F T V V R M P V V G
UniRef90_M8ARR5	P V T L D L R P N R V R I   F V D T V A E T P F T G
UniRef90_K3Y351	I V T D N Y C C N R V R L L M N E N A T V F Q V P I V G
UniRef90_D8M1F9	P M T M D L R I L D R V R V   V V N Q D N I V V V E P R R G
UniRef90_R0GUU1	Y L P S I N C C N R V I I L F V C P N G P V Q N R P I V G
UniRef90_K4CVW9	P V T F D F R C D R V R L F D N V L G Y V V Q I P T V G
UniRef90_T1LQL5	S V A P G L N G E R V R V   F F D G T G S V A G T P Y V G
UniRef90_J3M395	S V A P G L N G E R V R V   F V D T V A N T P T I G
UniRef90_A0A022RA75	E A L E I F C C N R V C I F M D E N Y L V R K V P V V G
UniRef90_M7ZEI2	N V M G E F N E N R V R V   W V D T V A E V P R I G
UniRef90_P08820	F V T A D Y K F Q R V R L Y V D E S N K V V R A A P I G
UniRef90_M8BQP5	A V A P G E D D N R V R L F G D R T G L V A Q T P V V G
UniRef90_P80211	G F T K D F R C D R V W V V V D S T G V V V R T P R V G
UniRef90_D7G6N7	M V T M D M R T D R V R I   Y Y D K E N I V T R P P R V G
UniRef90_Q53PR9	V V T T E V D P K R V R V   F V N N S A T V A Q V P K I G
UniRef90_A0A059B8G8	A G F G D Y C C N R V Y V W I D E K G N V C E I P M V G
UniRef90_UPI0002B4D963	P M Y L N F D P R R V R V   V C D T Q D K V V E M P Y V G
UniRef90_T1NK59	P L P S G Y D P R R V V I I V N A S G V V I R T P V V G
UniRef90_M8B7V7	I V T M E Y R I D R V H L F V D S L D K I A Q V P R V G
UniRef90_A0A059BYM1	E I F T D F C C N R V Y V W I D E K G N V F Q M P L V G
UniRef90_Q42162	P V T T D F R C D R V R V   F V D G N R I V V K T P K S G
UniRef90_L7QKH7	V V T M D Y R R D R V R I   F H N N E G S V V R V P R L G
UniRef90_M8BLJ4	F V T M D Y N T G R V R V   F V D S N N K I T K A P R I G
UniRef90_A0A059D382	Y G F T D F C C N R V Y V Y I D D K D N V V Q E P M V G
UniRef90_K3YY61	K L T K G F N P K R V R V   F Y D P R G L V A K V P V V G
UniRef90_A4ZZ73	P I T Y D Y R C D R V R V   F V D R D G V V V E T P R V G
UniRef90_K3YQ6	P L P T D Y N P T R V I I L V G D D R S V V V R T P V I G
UniRef90_T1LXK4	P V T K D F R P E R V R V   F I D
UniRef90_K3YBD7	M V D Q M I D P N R V R I   R V D T V A E V P K I G
UniRef90_C5XT45	T L P T N Y D P N R V R I   V V G D N G S V V V R T P V I G
UniRef90_N1QVF0	P L P S G Y N P R R V V I I S D G N G V V V K T P V I G
UniRef90_Q5Z9Z4	V I T D D Y C C N R V R I   L V D C G D G V T A V P M I G
UniRef90_R0HX94	P V T A D F R C D
UniRef90_V4NH90	M V L A V N C C N R V V L L R V C P N G P V V N T P R I G
UniRef90_I1HN04	M V T E D L Q Y D R V R I   F V A V A D V P R V G
UniRef90_I1NWS1	Q L P T D H D D L R V I I V S D A G T V V V R T P V V G
UniRef90_T1MMI0	P V P G E Y N L K R V R   F Y D S Q E P V A K I P V I G
UniRef90_V4LB91	F L P A I C C C N R V V L L Y V C P N G L V T N R P I V G
UniRef90_UPI0002B4A310	P R I L N F D I N R V W V D I N V E E V V V K K P K V G
UniRef90_B7G9D0	M M T M D F R T D R V R I L V D G N D L V S Q T P S R G
UniRef90_R1D0C1	M A T M D F D F E A R V R V   Y A D E S D T V T R
UniRef90_M8BS51	P P P A G F D P K R V A L F S D A H N L V S A V P K I G
UniRef90_D8L849	P Q P P D F D A H R I   C V F V D A N L I V V R T P V V G
UniRef90_UPI0002B45BEC	P R I Q N F D I S R V W V D C N I E E R V V K V P S V G
UniRef90_I1NWS2	L P P P E H D P A R V A I F V D G D I R V S R T P V V G
UniRef90_A0A022RSR2	A V V N I L C C N R V C L F L D K N Y R V Y T V P I V G
UniRef90_W4ZVB7	L V T Q D L R P D R V Q I   F I V V A D T P T V G
UniRef90_J3L964	S V P P G F D G E R V R L F L N N D R T V A Q T P V V G
UniRef90_D8M2N7	P A T M D Y R L D R V R I   I K D E N N K V
UniRef90_A0A022QA99	G V N P N Y C C N R V Y Y L F L D Q N D V C I A V P K V G
UniRef90_M8AP96	P S P P G F D S T R V C V F L D K L G R V A A V P V V G
UniRef90_I1NWS3	S V P P G F D G E R V L V F L N D D N T V A Q T P V V G
UniRef90_UPI000234FD84	A V P P G F H I S T R V C V F Y D S H D V V G A I P A V G
UniRef90_T1N334	P N P P G F R S D R V V V F Y D E L G R V A T I P V I G
UniRef90_R0HKU9	G V L T I N C C N R V V L L R C P N G P V L N I P Q V G
UniRef90_M8AXG1	Q W P P G H N P W R V V V L S N E A G V V V K T P I I G
UniRef90_C5XT48	Y A P P K Y F N N R V R V Y V D T S Y P V V Y V P V V G
UniRef90_M8BBZ3	T V P P G Y H A E R V A V F F D E Q G L I A A V P A V G
UniRef90_D8L861	P D F D D H R V Y Y L F L D E N L I V V R T P V V G
UniRef90_UPI000234E060	P P P T G F N P K R V A L F Y D A N H I V T S V P K I
UniRef90_N1QRC0	T V A P G Y N A E R V R
UniRef90_M1ARD3	A L T Q D L R D S R V R I   L V D R F N R V S M P P S I G
UniRef90_M1A2E8	L A P T D L C C N R V S I   C P D E Q D H V K D M P K I G
UniRef90_C5XT46	N V A P G Y N A L R V R V   Y F D A G N
UniRef90_K4D4W6	V H Q M D V C I N R V W I   C P D K H G R V A T V P Q V G
UniRef90_C5YYF8	P V T T D F R P N R V R I   F L D T I V S P P R V G
UniRef90_V4L6D4	K R I E D F C C N K V F Y L C R F Q G P



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

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