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UniRef90_UP1000479CAD3 UniRef90_UP10003B7B875 UniRef90_U6HPC6 UniRef90_UP1000379EB44 UniRef90_U4WJN8 UniRef90_U9100047C9AFC UniRef90_D9SWS0 UniRef90_R7EXD5 UniRef90_R9LP00 UniRef90_D5XCJ2 UniRef90_UP1000374FDF2 UniRef90_UP1000374FDF2 UniRef90_S6AYD9 UniRef90_A6CLY3	A
UniRef90_M1MT66 UniRef90_B7C9T6 UniRef90_Q0TUX8 UniRef90_R5NS47 UniRef90_U2NI56 UniRef90_E6U7S5 UniRef90_B9YE14 UniRef90_C3PK93 UniRef90_C3PK93 UniRef90_UPI00040C0017 UniRef90_U1ELV5	N K V V L I G A G D V G V A Y A Y A L V T K Q H K K V I L V G D G A V G S S Y A F A L V K V A L I G T G F V G S S Y A F A L L T K R V T R V A L I G S G F V G A S Y A F A L L L G S G F V G A S Y A F A L L L G S G F V G A S Y A F A L L L G S G F V G A S Y A F A L L L L L L L L L L L L L L L L L
UniRef90_E9SH07 UniRef90_B0PD75 UniRef90_G4CLV3 UniRef90_W7UXV4 UniRef90_UP10003B68296 UniRef90_R8W5K8 UniRef90_UP1000288388F UniRef90_K8E1Y3	T T D R R K V V L I G T G M V G M S F A Y S L V M N A S K V S V I G A G L V G S S T A F S L L S K V V I I G T G A V G L S Y A F A M L A D K N G T K I TI L G A G N V G A S V A Y T F A S R K I TI I G A G Q V G S T V A Y A L T K C A V I G T G F V G A T A A Y T L A N S T K I S I I G S G A V G A T T A Y S L M H Q K V I V V G D G A V G S S Y A F A L V

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UniRef90_ UniRef90_		T Q NIVIS S EIVIAIL I IDIVIN A D KILIQ G E M M DILIQ H G S A F M K N A HIVIS A G
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	_R7QW70 R7PEH3	NOSIVI <mark>C</mark> DEILVIIIDIVINKKRAEGEAMDILINHGILIAEANSSMTILIYA
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UniRef90_ UniRef90_	_10JR33 _A0YLW3	_ I  Q D <mark>C</mark> F D E  L
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UniRef90 UniRef90	_Q0TUX8	N Q G I C D E I V L I D M N T E R A K G E T L D M I H S I A F M N R N N Q I K L Q D G L A S E I V I V D I N K D K A H A E A M D L A Q G A A F V K S V D I K S N Q G G V N E L V L I D V L K D K A E G E A M D L N H C I E Y L D Q H T K V K V N Q H A C D E L V L I D I N K Q R A E G E A M D L N H G L A F S G T N M K I Y A T T G G I D E L V L I D I N K Q R A E G E A M D L N H G L A F S G T N M K I Y A Q S G L F S E M V L L D V N R A K A E G E A M D I G H G T S I S S P M N I Y A N Q G T V D H L A I I D I D E K K L E G N V M D L N H G V V W A P S R T R V T K L Q G T V A K N I A I Y D V N R A K V D A E V L D L N H G V P F A P A P V S I W S H G T A G F I V I I D V H Q F K A A G F A M D I N H G V P F A P A P V S I W S
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UniRef90_UPI00029D7DBF	K B I O O O K I O K E V I I I K O K W W E O E O K E IN E V W K I I I I I I I I I I I I I I I I I I
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UniRef90_I0JR33 UniRef90_A0YLW3	G Q Y E D C K D A D    V C    C A G A N Q K P G E T R L D L V K K N L T    F K S    T V A D V G K D A D    V I V T A G A S Q R E G E T R L D L L H R N V K    F R S L
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	420 440 450 450
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UniRef90_U4WJN8	VITSI MESGFQGI EV VASNPVDVLT YATWKLSGLPHEKVI G
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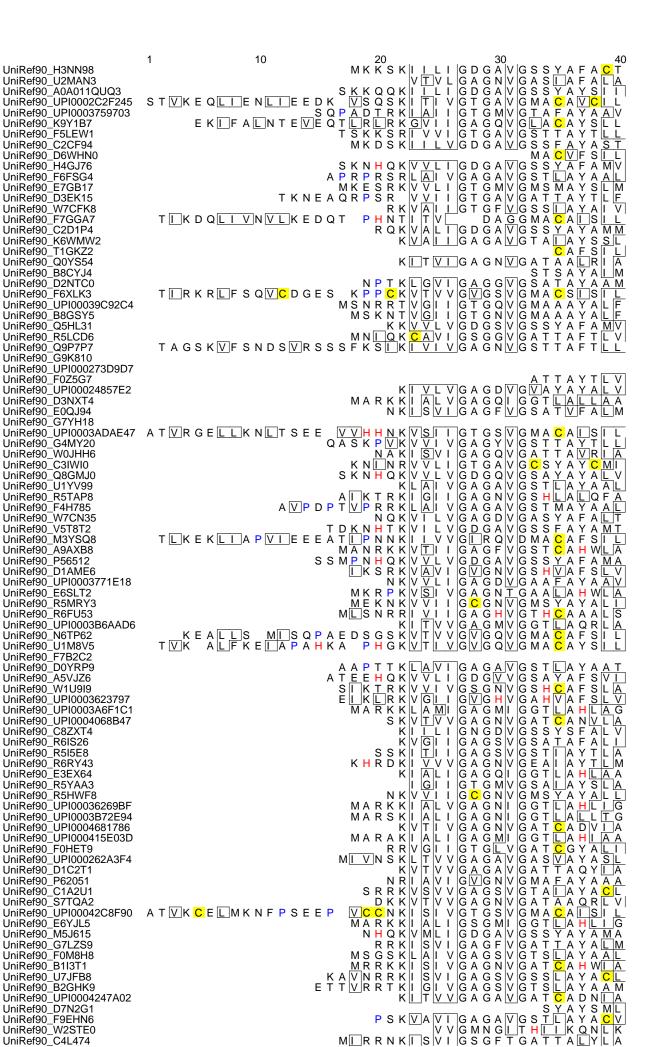
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UniRef90_UPI0003F0F5B2 UniRef90_UPI00004A662E UniRef90_UPI00033153F6 UniRef90_UPI00026551AF	S G C N L D T A R F R F F T G Q R L G I H P E S C H G W I L G E H G D S S V P N S G C N L D S A R F R Y L M G E R L G V H P L S C H G W V L G E H G D A S V P N S G C N L D T A R F R V L L G Q R L G V H S E S C H G W V L G E H G D S S V P N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V V N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V V N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V V N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V V N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V V N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V V N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V V N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V P N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V P N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V P N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V P N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V P N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V P N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V P N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V P N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V P N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V P N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V P N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G N S S V P N P D S V R F R Y L M R T R T R T R T R T R T R T R T R T R	V V
UniRef90_UPI0003EAF533 UniRef90_B9SIT3 UniRef90_Q7Q981	S G C N L D S A R F R Y L M A E K L G I H P S S C H G W I L G E H G D S S V A I S G T N L D S S R F R F L M S Q K L G V A P T S C H G W I I G E H G D S S V P I S G T N L D S S R F R F L M S Q K L G V A P T S C H G W I I G E H G D S S V P I	V L V
UniRef90_H3DEZ9 UniRef90_E9FTK7 UniRef90_UPI00045DDE4E UniRef90_UPI00029D7DBF	S G T N L D S A R F R F L V A D K L G L H A S S F N G W I L G E H G D T S V P N S G T N L D S S R F R F L L S E R F N V A P N S T H G W I I G E H G D S S V P N S G C N L D S A R F R Y L M G E R L G V H P L S C H G W V L G E H G D S S V P N V S N P D S A R F R Y L I G Q K L G V H P S S C H G W I I G E H G D S S V P N	V V
UniRef90_A0A034WAY2 UniRef90_K7J616 UniRef90_G8M1C3	S G T N L D S S R F R F L M S Q R L D V A P T S C H G W I I G E H G D S S V P N S G T N L D S A R F R F L L S Q R L S V A P T S C H G W V I G E H G D T S V P N S G T V L D S A R F R Y L I G E H T G V D P R N V H A Y I L G E H G D T E V A S G C N L D S A R F R Y L M A E K L G I H P S S C H G W I L G E H G D S S V A N	V <u>V</u> T
UniRef90_UPI00027F51F2 UniRef90_R7BNK4 UniRef90_U6HNF1 UniRef90_L7EN55	S G C N L D S A R F R Y L M A E K L G I H P S S C H G W I L G E H G D S S V A N S G T V L D S A R L K C V I G E R L D V D P R N V H A R I V V G E H G D S E F V L S G T I L D S A R F R H I L G Q K L D L A A S S I H G Y I L G E H G D S S V A N S G T V L D T S R F K Y M L S D H F N V D A R N I H T Y I M G E H G D S S I A S G T N L D S S R F R S L I A D H L D V N A Q D V Q A Y I I G E H G D S S V A N	L V T
UniRef90_D5AAB2 UniRef90_UPI00047986CE UniRef90_Q892U0 UniRef90_R5L3M3	S G C N L D T A R F R V L L G Q R L G V H S E S C H G W V L G E H G D S S V P V S N P D S V R F R Y L M A E K L G I H P S S C H G W I L G E H G D S S V A V S G C N L D S A R F R Y L M A E K L G I H P S S C H G W I L G E H G D S S V A V S G C N L D S S R F R F L L A D H L D V N A Q D V Q A Y I V G E H G D S S V A V S G T N L D S S R F R F L L S E R F N V A P T S C H G W I L G E H G D S S V P V S G T N L D S S R F R F L L S E R F N V A P N S T H G W I L G E H G D S S V P V S G T N L D S S R F R F L L S E R F N V A P N S T H G W I L G E H G D S S V P V S G T N L D S S R F R F L L S E R F N V A P N S T H G W I L G E H G D S S V P V S G T N L D S S R F R F L L S G R L G V H P L S C H G W V L G E H G D S S V P V S G T N L D S S R F R F L L S Q R L D V A P T S C H G W I L G E H G D S S V P V S G T N L D S S R F R F L L S Q R L D V A P T S C H G W V L G E H G D T S V P V S G T N L D S S R F R F L L S Q R L S V A P T S C H G W I L G E H G D S S V P V S G T N L D S S A R F R F L L S Q R L S V A P T S C H G W I L G E H G D S S V P V S G T N L D S S A R F R F L L S Q R L S V A P T S C H G W I L G E H G D S S V P V S G T N L D S S A R F R F L L S Q R L S V A P T S C H G W I L G E H G D S S V P V S G T N L D S S A R F R F L L S Q R L D V D P R N V H A R I V G E H G D S S V P V S G T N L D S S R F R S L L S D H F N V D A R N I H T Y I L G E H G D S S V A S G T V L D T S R F R F L L S D Y L N L D V R N I H A Y I L G E H G D S E F V S G T V L D T S R F R F L L S D Y L N L D V R N I H A Y I L G E H G D S E L A S G T V L D T S R F R F L L S D Y L N L D V R N I H A Y I L G E H G D S E L A S G T N L D S A R F R F L L S D Y F K V N P R N I H A Y I L G E H G D S E F V S G T N L D S A R F R F L L S F K V N P R N I H A Y I L G E H G D S E F V S G T N L D S A R F R F L L S F K V N P R N I H A Y I L G E H G D S C V P I S G T N L D S A R F R F L L S F K V N P R N I H A Y I L G E H G D S C V P I S G T N L D S A R F R F L L S F K V N P R N I H A Y I L G F H G D S C V P I S G T N L D S A R F R F L L S F K V N P R N I H A Y I L G F H G D S C	V A
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UniRef90_l1SSL2 UniRef90_UPI000464FA09 UniRef90_W6N6R2	S G T N L D S A R F R H L M A E R L G I H A S S F N G W V L G E H G D T S V P N S G T N L D S A R F R F H L S Q K L S V A P S S T H G W I I G E H G D S S V P N S G T V L D S A R F R Y L L S E H L T V D S R S V H A Y I I G E H G D S E L A N S G T V L D T S R L R Y M I S E N F N L D A R N I H S Y I I G E H G D S E I A S G T T L D T A R F R Y M L S E Y F G A A A H N V H G Y I I G E H G D T E L P N S G T T L D T A R F R Y M L S E Y F G A A A H N V H G Y I I G E H G D T E L P N S G T T L D T A R F R Y M L S E Y F G A A A H N V H G Y I I G E H G D T E L P N S G T T L D T A R F R Y M L S E Y F G A A A H N V H G Y I I G E H G D T E L P N S G T T L D T A R F R Y M L S E Y F G A A A H N V H G Y I I G E H G D T E L P N S G T T L D T A R F R Y M L S E Y F G A A A H N V H G Y I I G E H G D T E L P N S G T T L D T A R F R Y M L S E Y F G A A A H N V H G Y I I G E H G D T E L P N S G T T L D T A R F R Y M L S E Y F G A A A H N V H G Y I I G E H G D T E L P N S G T T L D T A R F R Y M L S E Y F G A A A H N V H G Y I I G E H G D T E L P N S G T T L D T A R F R Y M L S E Y F G A A A H N V H G Y I I G E H G D T E L P N S G T T L D T A R F R Y M L S E Y F G A A A H N V H G Y I I G E H G D T E L P N S G T T L D T A R F R Y M L S E Y F G A A A H N V H G Y I I G E H G D T E L P N S G T T L D T A R F R Y M L S E Y F G A A A H N V H G Y I I G E H G D T E L P N S G T T L D T A R F R Y M L S E Y F G A A A H N V H G Y I I G E H G D T E L P N S G T T L D T A R F R Y M L S E Y F G A A A H N V H G Y I I G E H G D T E L P N S G T T T T T T T T T T T T T T T T T T	V V T
UniRef90_M5NY39 UniRef90_R9BY17 UniRef90_UPI0004222736 UniRef90_U5L738	S G T T L D T A R F R Y M L S E Y F G A A A H N V H G Y L I G E H G D T E L P N T G T S V D S A R L K N F I G D L F N V D P R S V Q A Y S M G E H G D S Q M V F S G T A L D T A R L R Y E I A D K I N I S V K N I H A Y I M G E H G D S E F V G S G T V L D S A R L R F K L G E Y F K V D T R N V H A A I I G E H G D T E F P N S G T V L D T A R F K Y L L G E H L S V D S R S V H A F I L G E H G D S E I A A S G T V L D T A R F K Y L L G E H L S V D S R S V H A F I L G E H G D S E I A A S G T V L D T A R F K Y L L G E H L S V D S R S V H A F I L G E H G D S E I A A S G T V L D T A R F K Y L L G E H L S V D S R S V H A F I L G E H G D S E I A A S G T V L D T A R F K Y L L G E H L S V D S R S V H A F I L G E H G D S E I A A S G T V L D T A R F K Y L L G E H L S V D S R S V H A F I L G E H G D S E I A A S G T V L D T A R F K Y L L G E H L S V D S R S V H A F I L G E H G D S E I A A S G T V L D T A R F K Y L L G E H L S V D S R S V H A F I L G E H G D S E I A S G T V L D T A R F K Y L L G E H L S V D S R S V H A F I L G E H G D S E I A S G T V L D T A R F K Y L L G E H L S V D S R S V H A F I L G E H G D S E I A S G T V L D T A R F K Y L L G E H L S V D S R S V H A F I L G E H G D S E I A S G T V L D T A R F K Y L L G E H L S V D S R S V H A F I L G E H G D S E I A S G T V L D T A R F K Y L L G E H L S V D S R S V H A F I L G E H G D S E I A S G T V L D T A R F K Y L L G E H L S V D S R S V H A F I L G E H G D S E I A S G T V L D T A R F K Y L L G E H G D S E I A S G T V L D T A R F K Y L L G E H G D T T T T T T T T T T T T T T T T T T	P C
UniRef90_UPI00040F5D5A UniRef90_UPI0003F7230B UniRef90_R5TX92 UniRef90_R7QW70	S G T V L D T A R F K Y L L G E H L S V D S R S V H A F I I G E H G D S E I A A F G T I L D T A R L R Y L I G E Y F G V D T R N V H A Y I M G E H G D S E L P I S G T A L D T A R L R Y L L G E S L S V D P R N V H A Y V M G E H G D S E F V F S G T V L D T A R L K Y L L G E H L K L D N R G V H A F I I G E H G D S E L A A	A V P A
UniRef90_R7PEH3 UniRef90_G4Q7T9 UniRef90_F7UZ15 UniRef90_A0A033UL77	T G T A L D T A R L R Y L L G D Y L K A D P R N V H A Y V M G E H G D S E F V S G T V L D T G R L K Y L L G Q H L D V D P R N I D A Y I I G E H G D S E I P S G T V L D T A R F K Y I L G E H L G V D P R N V H A R I I G E H G D S E I A S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I L G E H G D S E L P S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I L G E H G D S E L P S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I L G E H G D S E L P S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I L G E H G D S E L P S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I L G E H G D S E L P S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I L G E H G D S E L P S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I L G E H G D S E L P S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I L G E H G D S E L P S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I L G E H G D S E L P S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I L G E H G D S E L P S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I L G E H G D S E L P S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I L G E H G D S E L P S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I L G E H G D S E L P S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I L G E H G D S E L P S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I L G E H G D S E L P S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I L G E H G D S E L P S G T T T T T T T T T T T T T T T T T T	V V
UniRef90_R5XUT7 UniRef90_UPI0001DEA924	S G T I L D T A R F R Y L L S E E F D V A P Q S V H A N I I G E H G D S E L P N S G T V L D T A R L R Y L I G E H L H V C S K N V H A Y I M G E H G D S S F V F S G C N L D A A C F R Y F V G Q R L C I H S E S C H G W I L G E H G D S N I P N S G T V L D T A R L K Y E L G E H L E V D S R G I H A F I I G E H G D S E I A P S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A N S G T V L D T T T T T T T T T T T T T T T T T T	P V A
UniRef90_UPI0003450536 UniRef90_UPI000313E38F UniRef90_UPI0003B34D57 UniRef90_A9NH08	S GT V L DT A R L K Y E L GE H L E V D S R G I H A F I I G E H G D S E I A A S GT V L D S A R L Q E A L G A H L G V D P R D V E A Y V I G E H G D S E L A S G T I L D T A R F R Y E L G E Y F D I D T R N V H A Y I I G E H G D T E L P S G T V L D S A R F Q Q M L G E H L D V D S R S V N A F I I G E H G D S E I A A S G T S L D T A R L R Y E I S Q Y L N I D V R N I H A Y I L G E H G D S E F V K	∨ ∨ A <mark>C</mark>
UniRef90_I0JR33 UniRef90_A0YLW3 UniRef90_A5N7Z2 UniRef90_Q8FLV6	S G T   L   D S G R F R F   L   G E Y F D     A P S N V   H A N   I   G E H G D T E L   P   N G T V L   D T A R F R A L L A N R L D     D P R S V   H A Y   I   G E H G D S E   P   N G T V L   D T S R L K Y   L   S N E L H V D   R D V   H G Y V   M G E H G D S E   A P   S G T V L   D T A R F R Y M   G E   L Y D V S P K S   H A Y   L   G E H G D T E   L P   N G E   N G B T E   L P   N G E   N G	V <u>V</u> <u>A</u> V
UniRef90_U1GPN5 UniRef90_F1M2L5 UniRef90_UPI000479CAD3 UniRef90_UPI0003B7B875	S G T V L D T A R L K Y L L G E H L S V D S R S V H A F I L G E H G D S E I A Z S G C N L D S A R F C Y E R L G V H P L S C H R W L G E H G D S S V P S G T V L D S S R F R F L L G K L C G I D P R N V H A Y I V G E H G D T E E A Z S G T S L D T A R E R O T L A O M G V D A P N V H S Y I W G E H G D T E E A Z	A V A
UniRef90_UPI000379EB44 UniRef90_UPI000379EB44 UniRef90_UPI00047004E0	S G T L I D T A R F R H I L G E K L N V H P S A I H G Y V V G E H G D S S V P N S G T V L D T A R F R Y V L G E K T G I A P R S I H A Y I L G E H G D S E V A Z S G T L L D T A R F R Y L L S R A F E V D S R S V H A Y I M G E H G D T E L P N	V A V
UniRef90_UPI00047C9AFC UniRef90_D9SWS0 UniRef90_R7EXD5 UniRef90_R9LP00	SGTVLDSSRFRYLLAKHMGVKYSEVQGMVIGEHGDSQVPI SGTVLDTARLKQLVGERLGVDSRNVHTFILGEHGDSEVAN TGTTLDTARLRYMLGGYFSIDPRNIHAYVMGEHGDSEFVI	V V P
UniRef90_D5XCJ2 UniRef90_UPI000374FDF2 UniRef90_S6AYD9 UniRef90_A6CLY3	SGTLLDSSRFRQALSAHUGVDARNVHAYI I GEHGDTEVPI SGTLLDSARYRFMLGEMKDVSPMSVHAYI LGEHGDTELPN SGTSLDSARFRQALAEKLDVDARSVHAYI MGEHGDSEFAN SGTILDTARLRYLLGDHFDVDARNVHAYI MGEHGDTEFPN	\ V V
UniRef90_W2EE42 UniRef90_UPI00046B6563 UniRef90_M1MT66 UniRef90_B7C9T6	S G T    L D S A R L R V L L G D A F H V D P R S V H A Y I M G E H G D T E L P I S G C N L D T A C F H Y F I G Q R L G T H S E S R H G L V L G E H G D S S V P I T G T S V D S A R L K N F I G E L L N V D P R S V Q G Y S M G E H G D S Q M V F S G T L L D S A R L Q C H I A D C I D V D T K S I H A Y V L G E H G D S E M I I	I V P P
UniRef90_Q0TUX8 UniRef90_R5NS47 UniRef90_U2NI56 UniRef90_E6U7S5	S G T V L D T S R L K Y M L S E H F D I D A R N V H T Y I L G E H G D S E T Y S G T V L D T S R L R Y L I G D R L D V S P K N V H A Y I M G E H G D S S F V Y T G T S V D S A R L K H F I A D L F D V D P R S V Q A Y S M G E H G D S G M V F T G T T I D T A R L R Y L I G D Y F K V D P R N V H A Y V M G F H G D S F F V I	A A P
UniRef90_B9YE14 UniRef90_E7MMB0 UniRef90_C3PK93	S G T I L D T A R L R Y L MS E Y L G I S T S N I H A Y I M G E H G D S S F V S G T V L D S A R L R Y L L G T R L D V D S R S V H A Y V I G E H G D S E I C S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G E H G D S E L P S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G E H G D S E L P S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G E H G D S E L P S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G E H G D S E L P S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G E H G D S E L P S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G E H G D S E L P S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G E H G D S E L P S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G E H G D S E L P S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G E H G D S E L P S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G E H G D S E L P S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G E H G D S E L P S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G E H G D S E L P S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G E H G D S E L P S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G E H G D S E L P S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G E H G D S E L P S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G E H G D S E L P S G T V L D S A R Y R Y M L S E M D D V A P T S V H A Y I L G T R T T T T T T T T T T T T T T T T T	P T V
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UniRef90_UPI0002C2F245 UniRef90_UPI0003759703	GGYES <mark>C</mark> ADADII VVVITAGAAQKEGETRII IDII IAGKNAKII IMKEII
UniRef90_K9Y1B7	TIVIA DIVIG K D A DIL V I I IT A G A A Q K P G F T RILIDII I I I G R NIVIAII IY Q NII
UniRef90_F5LEW1 UniRef90_C2CF94	ADYSDCRDAEWVVIII AGII POKDGESRII IDII VIDKNII IKII IEKDM
UniRef90_D6WHN0	S D Y A A <u>S</u> A G S R L <mark>C</mark> I V T A G V R Q R E G E S R L D L V Q R N <u>T</u> D V <u>L</u> K N l
UniRef90_H4GJ76 UniRef90_F6FSG4	DDIVIEIVICRDADIV V V VITAGAKQQPGQSRII IDII IAFATIVIGII VIRKII I
UniRef90_E7GB17 UniRef90_D3EK15	D D V E V C R D A D V V V V T A G A K Q Q P G Q S R L D L A E A T V G L V R K I G N Y Q E C R D S D I V V I C A G A N Q K E G Q T R L E L T K I N T N I V K D I G D Y S D C K D A D I I V I A A G S N Q R P G E T R I D L L K R N T A I F D D I
UniRef90_W7CFK8	GDYADCKDAALVILTAGINQKPGQSRLDLVDTNAKITEQV
UniRef90_F7GGA7 UniRef90_C2D1P4	GDYADCKDAALVILTAGINQKPGQSRLDLVDTNAKITEQV KDYAVTANSKLVVITAGACQQEGESHLNLVQYNVNIFKFI GDYEDCHDADLAIITAGAPQKPGETRLDLVNKNLKIMQAI DDVSVCADADVVVFTAGAKQKPGQSRLELAEATIGLTKKI TDYALTAGSRLCIVTAGVRQKEGETRLSLVQRNTDILKHI NDYKDSADSDIILITAGLARKPGMTREDLLNKNAAIIRDV
UniRef90_K6WMW2	D DVSVCADADV VVETAGAKQKPGQSRLELAEATLGLTKKI
UniRef90_T1GKZ2 UniRef90_Q0YS54	T D Y A L T A G S R L C I V T A G V R Q K E G E T R L S L V Q R N T D I L K H I N D Y K D S A D S D I I L I T A G L A R K P G M T R E D L L N K N A A I L R D V
UniRef90_B8CYJ4 UniRef90_D2NTC0	GDYEECKDARIVIISAGANQKPGETRLDLVKKNTEIFKEIDDIELLRDCDMVIITAGARQKPGQPRLELAGANVAILEKLKDYALSAGSKIVVVTAGARQQVGESRLSLVQRNVNIFKHI
UniRef90_F6XLK3	KDYALSAGSKIVVVTAGARQQVGESRLSLVQRNVNIFKHI
UniRef90_UPI00039C92C4 UniRef90_B8GSY5	GDYADLAEAQIIVITAGVGQKPGEDRLSLLNRNAVVFRAIGDYADLAGCGVIVICAGVGQKPGETRLDLLNRNAAVFREIGEYEDCKDADLVVITAGAPQKPGETRLDLLNRNAAVFREIGEYEDCKDADLVVITAGAPQKPGETRLQLVEKNTKIMKSI
UniRef90_Q5HL31 UniRef90_R5LCD6	G E Y E D <mark>C</mark> K D A D L V V I T A G A P Q K P G E T R L Q L V E K N T K I M K S I G D Y K D L N D A Y L V I V T A G A N Q L P G E T R L D L I N K N <u>A</u> S I F K K I
UniRef90_Q9P7P7	G D Y K D <mark>C</mark> K D A T A   V V I   T A G K N Q K P G E T R M D   L L   K A N   I   S   I   F K E   I
UniRef90_G9K810 UniRef90_UPI000273D9D7	K D Y N V T A N S K L V I I T A G A R Q Q E G E S R L N L V Q R N V N I F K F I D Y S V S A N S R I V I V T A G A R Q Q E G E T R L T L V Q R N V A I M K S I
UniRef90_F0Z5G7 UniRef90_UPI00024857E2	DYSVSANSRIVIVTAGARQQEGETRLTLVQRNVAIMKSIGDYEDLKDAYLVVVTAGANQMPGETRLDISAKNAKVFRQIGTYDDCRDAALVCICAGAAQKPGETRLDLVGKNVAIFRGI
UniRef90_D3NXT4	NDYSILIEGADIVVLVII AGILIPRKPGMSRDDILIGILINSGIVICKLIVL
UniRef90_E0QJ94 UniRef90_G7YH18	GDYKDTKDSDVVI VTAGANQKQGETRLDLIKKNVEIFKVM SEYVISENSDI VI VTAGARQMEGETRLNL VQRNVQLFKGL
UniRef90_UPI0003ADAE47 UniRef90_G4MY20	R D Y II V IT A N S S II V V I IT A G A R Q F K G F T R II IN II V IQ R
UniRef90_W0JHH6	N D Y K D T E N S D
UniRef90_C3IWI0 UniRef90_Q8GMJ0	GSCDDCKDAQIVVITAGLPQRSGETRLDLVEKNTKIFKEI ADHHACADADLVVI <mark>C</mark> AGAAQKPGETRLDLVGKNLEIMKQII
UniRef90_U1YV99	D DIVIAIVI <mark>C</mark> A G A DIV V V VIT A G A K Q K P G Q T RIL IDIL IA E G T II IGIL IM R T II
UniRef90_R5TAP8 UniRef90_F4H785	GTVADMKDADI LINASGTPRLPGQTRLDMMDSAVATSKEFDDLAVCAGADVVMFTAGAKQKPGQTRIDLAEATIALVRKVASYDDCSDADLVVITAGAAQAPGETRLDLIGKNLKITKAI
UniRef90_W7CN35 UniRef90_V5T8T2	A S Y D D C S D A DIL V V I IT A G A A Q A P G E T RIL IDIL I IG K NIL IKII IT K A II
UniRef90_M3YSQ8	KDDSVTANSKI VVVTVGVRQQDRERQLNLEQRNVD FKFI
UniRef90_A9AXB8 UniRef90_P56512	NSYEETTDSDVVILTSGAPRKPGMTREDLTKINAEITKSN GEYSD <mark>C</mark> KDADLVVITAGA <u>P</u> QKPGESRLDLVNKNLNILSSI
UniRef90_D1AME6 UniRef90_UPI0003771E18	GEYSDCKDADLVVITAGAPQKPGESRLDLVNKNLNILSSI QNYSELKDAEIVVIAAGPLPRFEQTRLDTLDDGIKIIDDI GDYDDCRDAAIVVNCAGVAQHEGETRLELVGRNVSIFESI
UniRef90_E6SLT2	NDYAATAGSDIVVVIIIAGAARKPGMSRDDII VINII INTGII VIRFII I
UniRef90_R5MRY3 UniRef90_R6FU53	GSYEDCKDASIVVIAAGANQNPGETRMDLINKNSEIFKSI GDYKDCEDADIIVIAAGVPRLPGQTRLDTLGASVECIKDV
UniRef90_UPI0003B6AAD6 UniRef90_N6TP62	GDSWELLANSDI VIVITAGVPRKPGMSREELLELINFKI VKDT
UniRef90_U1M8V5	DYKI TAĞSKIVÇV VITAĞAR ÖREĞESRLISL VÖRNVEL FRGI
UniRef90_F7B2C2 UniRef90_D0YRP9	DYKITAGSKVCVVTAGARQREGESRLSLVQRNVEIFRGI KDYSVTANSKIVVVTAGVRQQEGESRLNLVQRNVNVFKFI DDIELCRNADVVVVTAGAAQKPGQTRLELAESTVNLMKNL GSYQDCKDADIITICAGAAQKPGETRLKLVERNLKIMKEI
UniRef90_A5VJZ6 UniRef90_W1U9I9	GSYQDCKDADII ITII CAGAAQKPGETRILKI VERNILKI MKEII GTEEDCSDADII I VVSI GVPPEPNKSRI DEI EGTI REVOTII
UniRef90_UPI0003623797	GTFEDCSDADIIVVSLGVPPPPNKSRLDFLEGTIREVDTIGEYEDLADCDIIVNSVGKIS ESRDRLDELQQSVDIVNSYQDYEALAGADVCIVTAGSPRKPGMSRDDLLEINLKVMKSVNDYAQTADSDVVVITSGIPRKPGMTREELIGVNAGIVKSVDYEDCRDADLVVITAGAAQLPHETRLDLTKKNAQIMKKIGTYEDLKGAEVIVITAGAAQLPHETRLDLTKKNAQIMKKIGTYEDLKGAEVIVITAGAAQLPHETRLDLTKKNAQIMKKIGTYEDLKGAEVIVITAGAAQLPHETRLDLTKKNAQIMKKIGTYEDLKGAEVIVITAGAAQKPGETRIDLLGRNAKIFESI
UniRef90_UPI0003A6F1C1 UniRef90_UPI0004068B47	N D Y A Q T A D S D V V V I T S G L P R K P G M S R D D L L E I I I I I I I I I I I I I I I I I
UniRef90_C8ZXT4 UniRef90_R6IS26	DYED <mark>C</mark> RDADILVVI   TAGAAQIL  PHETRIL   D  L  TKKNAQI   MKK   I GTYEDILKGAEVVI V  TAGANQKPGETRII   DII I   GRNAKI   FFSI
UniRef90_R5I5E8	GDIADARDOUI VIIIIOUI IARREGUIRII EILII QINIVINII LIROIII
UniRef90_R6RY43 UniRef90_E3EX64	GGYEE <mark>C</mark> ADAQIIIITAGIARKPGQTRLDLAKTNVSIVKSI NDYADIAGADV <mark>C</mark> IVTAG <mark>V</mark> PRKPGMSRDDLLGINLKVMKSV
UniRef90_R5YAA3 UniRef90_R5HWF8	GDYKDLKDAGIIIVITAGANQKPGETRLDLLEKNVGIFKSI
UniRef90_UPI00036269BF	N D Y T A L K G A D V V I V T A G V P R K P G M S R D D L I E I N A K V M A S V
UniRef90_UPI0003B72E94 UniRef90_UPI0004681786	N D Y A D L E G A D V V I V T A G V P R K P G M S R D D L V E T N M K V M N S V N D Y S K T A N S D V V V I T S G L P R K P G M T R E E L I G L N A G I V K T V N D Y A D L A G A D V C I L T A G F P R K P G M D R K D L V G K N L G V I K Q V
UniRef90_UPI000415E03D UniRef90_F0HET9	ASYEDCKDWDILLIELAGAAPKKGOLRIIDIIIGWSAWI <mark>C</mark> ESW
UniRef90_UPI000262A3F4	S D I  G V A E G S H V V V I  T A G A K Q K P G Q T R L  E L  A A T N A G I L  R S L
UniRef90_D1C2T1 UniRef90_P62051	N D Y E A T A G S N V I V I T S G S P R K P G M S R D D L L R V N M N I V R S V I G G Y E Q C E G A R I V V V T A G A K Q M P G Q S R L D L V R V N A G I T R D I .
UniRef90_C1A2U1 UniRef90_S7TQA2	G G Y E Q C E G A R I V V V T A G A K Q M P G Q S R L D L V R V N A G I T R D I D D I S V T A G S D L V V V T A G A K Q H P G Q S R L E L A A V N V K I A Q T L N S Y E E T A D S D V V I I T A G I P R K P G M S R D D L I S T N A G I M K N V
UniRef90_UPI00042C8F90	K  V D I L T Y V
UniRef90_E6YJL5 UniRef90_M5J615	A E Y A D C K D A D L V V I IT A G A P Q K P G E T R L ID L V N K N L IG II L IS T II
UniRef90_G7LZS9 UniRef90_F0M8H8	GNI DETK DSDI VVI TAGAAQKEGETRL DLIEKNYKI FKGF GDLAVTEGADVVVI TAGAKQAPGQTRLDLAGTNVRI LEDL
UniRef90_B1I3T1	NDVDDT A G
UniRef90_U7JFB8 UniRef90_B2GHK9	A D       K D T   V   N S D     V   F     T A G A K Q K P G Q T R   L   D   L   A G   V   N A G   I L   K S   L   D D   V   A V L   K D A D   I I   F   V   T A G A K Q K P G Q T R L   D   L   A G A N T A I L   K S   L
UniRef90_UPI0004247A02	A DI K D T VN S DI V FI T A GA K Q K P G Q T R L D L A G V N A GI L K S L D D V A V L K D A DI I F V T A G A K Q K P G Q T R L D L A G A N T A I L K S L N D Y S K T A D S N V V V I T S G I P R K P G M T R E E L I G T N A N I V K G V G D Y G D C S D A D I V C I C A G L P Q R P G E T R L D L I D N N L R V F H S I D D P E C R D A D V I A I T A G A K Q K P G Q S R L E L A G A T V G I M E K I T D Y A C T A G S N L C I V T A G L R Q K E G E S R L S L V Q R N T N I L K K I
UniRef90_D7N2G1 UniRef90_F9EHN6	DDPE CRDADIV A GLPQKPGE I KLDL I DNNL KVFHSI DDPE CRDADV A GAKQKPGQS RLELAGATVGI MEKI
UniRef90_W2STE0 UniRef90_C4L474	T D Y A C T A G S N L C I V T A G L R Q K E G E S R L S L V Q R N T N I L K K I T D Y A D T A D S D V V V I T A G I A R K P G M S R D D L V A T N A N V M R S V
UIIIKEI9U_U4L4/4	I D I A D I A D 3 D   V

UniRef90_H3NN98 UniRef90_U2MAN3 UniRef90_U2MAN3 UniRef90_UPl0002C2F245 UniRef90_UPl0003759703 UniRef90_K9Y1B7 UniRef90_F5LEW1 UniRef90_D6WHN0 UniRef90_D6WHN0 UniRef90_D6WHN0 UniRef90_D6F5G4 UniRef90_D6F5G4 UniRef90_B7GB17 UniRef90_B7GB17 UniRef90_W7CFK8 UniRef90_W7CFK8 UniRef90_W7CFK8 UniRef90_W7CFK8 UniRef90_W7CFK8 UniRef90_B3EK15 UniRef90_B7GGA7 UniRef90_C2D1P4 UniRef90_T1GKZ2 UniRef90_T1GKZ2 UniRef90_T1GKZ2 UniRef90_D2NTC0 UniRef90_B8CYJ4 UniRef90_B8CYJ4 UniRef90_D2NTC0 UniRef90_UPl00039C92C4 UniRef90_UPl00039C92C4 UniRef90_UPl00039C92C4 UniRef90_UPl00039C92C4 UniRef90_UPl00039C92C4 UniRef90_UPl00039C92C4 UniRef90_UPl00039C92C4 UniRef90_UPl00039C92C4 UniRef90_UPl00039C92C4 UniRef90_UPl00039C92C4 UniRef90_UPl00039C92C4 UniRef90_UPl00039C92C4 UniRef90_UPl00024857E2 UniRef90_UPl00024857E2 UniRef90_B0_UPl00024857E2 UniRef90_B0_UPL00024857E2	130  140  150  150  160  N P E I V W S S G F N G L F L V A T N P V D I MT Y A T W R F S G F N A N R V I G M P E I V W A P H A C Y L V V S N P V D V L T Y A A L R K L S G F N A H Q V I G G M P E Q V M A S G F D G I F L V A T N P V D I L T Y A V Y K L S G L P A H Q V I G I P A M V Q N S P D C K M L I V S N P V G I L T L X H G S X E H F P K T K V V I G I P A M V Q N S P D C K M L I V S N P V D I L T Y A V Y K K K S E W P P S R V I G I E D V W K H C P H A I L L I V T N P V D I MT Y V A L K K L S G F P S S K K V I G I E D V W K H C P H A I L L I V T N P V D I M T Y V A L K K Y S S G L P K N R V I G I K K V V S P N T V L L I V S N P V D I L T Y A V W R L S G L P K H R V L G I I K K L V K Y S P N T V L L I V S N P V D I L T Y Y A W R C S G L P K H R V L G I I K K L V K Y S P N T V L L I V S N P V D I L T Y Y A W R C S G F P F K N K K V W G A S G F P G I F L V A A N P V D I L T Y Y A W K L S G F P F K N K K V W G A L X K I W S G F D G I F L V A A N P V D I L T Y A A W K L S G G F P F K N K K V W G A L X K Y S P N T V L L I V S N P V D I L T Y Y A A W K L S G G F P F K N K V V G G A L X K I K S S G F D G I F L V A A N P V D I L T Y Y A A W K L S G G F P F K N K V V G G A L X K I K S S G F D G I V I V A S N P V D I L T Y Y A A W K L S G F P F N R R V I G G A L X K I K Y S P T G I I L V A T N P V D I L L T Y Y A A W K L S G G L P K N R V I G G I P M S A M S C S G L P M N R V I D G I F L V A A N P V D I L L T Y Y A A W K L S G G L P K N R V I G G I P M S A M P V D I L T Y Y A A W K L S G G L P K N R V I G G I P M S A M P V D I L L T Y Y A A W K L S G G L P K N R V I G G I P M S A M P V D I L L T Y Y A A W K L S G G L P K N R V I G G I P M S A M P V D I L L T Y Y A A W K L S G G L P K N R V I G G I P M S A M P V D I L L T Y Y A A W K L S G G L P K N R V I G G I P M S A M P V D I L L T Y Y A A W K L S G G L P R N R V I G G I P M S A M P V D I L T Y Y A A W K L S G G L P R N R V I G G I P M S A M P V D I L T Y Y A A W K L S G G L P R N R V I G G I P M S A M P V D I L T Y Y A A W K L S G G L P R R R R V L G G L P K L M S A M P	0
UniRef90_UPI0003ADAE47 UniRef90_G4MY20 UniRef90_W0JHH6 UniRef90_C3IWI0 UniRef90_Q8GMJ0 UniRef90_R5TAP8 UniRef90_F4H785 UniRef90_F4H785 UniRef90_W7CN35 UniRef90_W7CN35 UniRef90_M3YSQ8 UniRef90_A9AXB8 UniRef90_D1AME6 UniRef90_D1AME6 UniRef90_UPI0003771E18 UniRef90_B6SLT2 UniRef90_R6FU53 UniRef90_R6FU53 UniRef90_R6FU53 UniRef90_N6TP62 UniRef90_UPI0003B6AAD6 UniRef90_UPI0003B6AD6 UniRef90_UPI0003B6AD6 UniRef90_UPI0003B6AD6 UniRef90_UPI0003B6AD6 UniRef90_UPI0003B6AD6 UniRef90_UPI0003B6AD6 UniRef90_UPI0003B6AD6 UniRef90_UPI0003B6AD6 UniRef90_UPI0003B6AD6 UniRef90_UPI0003B6B47 UniRef90_UPI0003B6B47 UniRef90_UPI0003B6B47 UniRef90_UPI0003B6B47 UniRef90_UPI0003B6B47 UniRef90_UPI0003B6B47 UniRef90_R6RY43 UniRef90_R6RY43 UniRef90_R6RY43 UniRef90_R6RY43 UniRef90_R6PYA3 UniRef90_R6BYAA3 UniRef90_R5HWF8 UniRef90_UPI0003B72E94 UniRef90_UPI0004B81786	V P K V  Q   S P D A   L L V   S A N P   V D   M   T Y A A   V   K   F   S   G F   P A H   S   V     G   T E Q   V   A   Y   S P   N   S   I   I   V   V   T   N   P   L   D   A   M   V   Y   T   A   S   K   V     G   T K Q   V   A   S   S   G   F   P   K   S   K   V     G   T K S   M   A   T   G   D   G     L   L   A   T   N P   V   D   L   T   Y   A   L   K   E   S   G   L   P   A   T   S   K   V     G   T K S   M   A   T   G   F   D   G   L   L   A   T   N P   V   D   V   L   T   Y   A   A   L   K   F   S   G   L   P   A   T   S   K   V   S   G   T K S   M   A   T   G   G   M   T   T   Y   A   L   K   F   S   G   L   P   A   T   T   T   T   T   M   M   T   G   G   M   T   T   T   T   T   T   T   T   T	
UniRef90_G7LZS9 UniRef90_F0M8H8 UniRef90_B113T1 UniRef90_U7JFB8 UniRef90_B2GHK9 UniRef90_UPl0004247A02 UniRef90_D7N2G1 UniRef90_F9EHN6 UniRef90_W2STE0 UniRef90_C4L474	P Q   A A A S P N A   L L V V S N P C D V L A Y   T Y K L S G F P K E R V   A M P Q L L Q R S P D A V Y V L V T N P C D V L T V A A Q K   T G L P T G R   F S A A E   A R Y S P D A L   I V V T N P L D V M C Y V A Y K A S G L P R G K V F G M P Q L L E Q S P N A L F V L V T N P C D V L T V V A Q N   S G L P S S R V F S M P Q L V E Q A P Q A V F V L V T N P C D V L T V V A Q Q   T G L P H Q R   M S V E N   L K Y S P D A   I V V I S N P M D T M T Y L A L K S S G L P K N R   I G V T A V M A S G F D G   F L V A T N P V D V L S Y A T W R F S G L P K E R V I G L P K L V E V A P N A   F L L V A N P V D V T Y C S R K I T G L P E N Q V F G V K E I A R Y S P D A I L I V L T N P V D A M T Y A A F K E S G F P K E R V I G V K E I A R Y S P D A I L I V L T N P V D A M T Y A A F K E S G F P K E R V I G	

JURANAN, 19 1		470	
UNIRGED D. CHURCHSON SY 187  I G T V L D T S R F R F L L S D H R S V L D A R S V D P R S V D A R S V D S S L V D L D T S R F R F L L S D H R S V D A R S V D V H A H V V I G E H G D S E V D V D UNIRGED F5LEW1  I G T V L D S S R F R F L L S D H R S V L D P R S V D D R S V D A V I L G E H G D S E V P L UNIRGED F5LEW1  I G T V L D S S R F R F L L S D H R S V L D P R S V D D R S V D A V I L G E H G D S E V P L UNIRGED F5LEW1  I G T V L D S S R F R F L L S D H R S V L D P R S V D D R S V D A V I L G E H G D S E V P L UNIRGED F5LEW1  I G T V L D S S R F R F L L S D H R S V L D R S S P D R S V D A V I L G E H G D S E V P L V I L D S S R F R F L L S D H R S V D R S V D A V I L G E H G D S E V P L V I L D S S R F R F L S D H R S V D R S V D P R S V D A V I L G E H G D S E V P L V I R S V D	UniRef90_H3NN98	TGTVIDSSRERKEIIAEIITKVDPRSVHAYIIMGEHGDSEEPV	/
UNIRGED D. CHURCHSON SY 187  I G T V L D T S R F R F L L S D H R S V L D A R S V D P R S V D A R S V D S S L V D L D T S R F R F L L S D H R S V D A R S V D V H A H V V I G E H G D S E V D V D UNIRGED F5LEW1  I G T V L D S S R F R F L L S D H R S V L D P R S V D D R S V D A V I L G E H G D S E V P L UNIRGED F5LEW1  I G T V L D S S R F R F L L S D H R S V L D P R S V D D R S V D A V I L G E H G D S E V P L UNIRGED F5LEW1  I G T V L D S S R F R F L L S D H R S V L D P R S V D D R S V D A V I L G E H G D S E V P L UNIRGED F5LEW1  I G T V L D S S R F R F L L S D H R S V L D R S S P D R S V D A V I L G E H G D S E V P L V I L D S S R F R F L L S D H R S V D R S V D A V I L G E H G D S E V P L V I L D S S R F R F L S D H R S V D R S V D P R S V D A V I L G E H G D S E V P L V I R S V D	UniRef90_U2MAN3 UniRef90_A0A011QUQ3	S G T   V L   D S S R   L   R T   C L   A D   H A G   L   N   I   K N   I   H A Y   V   F G E H G D S S M   P T G T S   L   D S A R F R Q A V   A D   L L   D   V   D   V   R N   V   H G Y   I   G E H G D T E F P   V	
DIREP90_F7GGAY	UniRef90_UPI0002C2F245	SGCNLSTAPFHFLTGQRLGVHSES <mark>C</mark> HGFXLLEHRDSSVPV	
DIREP90_F7GGAY	UniRef90_K9Y1B7	T G T V L D T S R F R S L L A R R L N I D A R S V Q A Y I I G E H G D S E V P V	
DIREP90_F7GGAY	UniRef90_F5LEW1	SGTLLDSARFRYLIGEKLQVDPRSIHAAIIIGEHGDSEVPL	- 1
DIREP90_F7GGAY	UniRef90_D6WHN0	S G T N L D S S R F R F L M S Q K L G V A P S S C H G W L I G E H G D S S V A V	/
DIREP90_F7GGAY	UniRef90_H4GJ76 UniRef90_F6FSG4	S G T S L D S A R L R V A L A K K F G V A S P D V M A N M M A E H G D T E F A A S G T V L D S S R L R S A L A E H C G V A V G N V H A Y V A G E H G D S E N A L	
DIREP90_F7GGAY	UniRef90_E7GB17	TGTLLDTARMGYLLSEYLGVSSDDIEAYILGEHGDSSFIS	3
MinRef90	UniRef90_W7CFK8	T G T L D T A R F K K E L A L K L N V D P R L V Q G Y I I G E H G D S E T A V	7
MinRef90	UniRef90_F7GGA7 UniRef90_C2D1P4	SGTSLDSARERVALSKKLNISSQSVDAYILGEHGDSSIPV	\_ \
MinRef90	UniRef90_K6WMW2 UniRef90_T1GK72	S G T V L D S S R L R F R I A Q Y C G V A V Q N V H A Y I V G E H G D S E I P L S G T N I D S S R F R F I M S Q R F G V A S Q S C H G W I I G F H G D S S V P V	
UniRef90 F0Z5G7  S G T V L D T A R L K Y L L G K K F N L D Y R N I H A WMI G E H G D S E L A V UniRef90 UPI00024857E2  UniRef90 E0QJ94  UniRef90 G7YH18  UniRef90 G7YH18  UniRef90 G7YH18  UniRef90 G8M/V20  UniRef90 W7CN35  S G T S L D S A R L R F L V A Q H C G V A V Q N V H A Y I L G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R L R F L V A Q H C G V A V Q N V H A Y I L G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R Q A L A R E T G V A V Q N V H A Y V A G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R Q A L A R E T G V A V Q N V H A Y V A G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R R I I T G D I L G I D P K S V S G Y S L G E H G D S E F V A W M A B W	UniRef90_Q0YS54	MÁGVLDÁÁRFRSFIÁÉALNVSMQDÍNÁFVLGGHGDSMVPV	
UniRef90 F0Z5G7  S G T V L D T A R L K Y L L G K K F N L D Y R N I H A WMI G E H G D S E L A V UniRef90 UPI00024857E2  UniRef90 E0QJ94  UniRef90 G7YH18  UniRef90 G7YH18  UniRef90 G7YH18  UniRef90 G8M/V20  UniRef90 W7CN35  S G T S L D S A R L R F L V A Q H C G V A V Q N V H A Y I L G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R L R F L V A Q H C G V A V Q N V H A Y I L G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R Q A L A R E T G V A V Q N V H A Y V A G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R Q A L A R E T G V A V Q N V H A Y V A G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R R I I T G D I L G I D P K S V S G Y S L G E H G D S E F V A W M A B W	UniRef90_D2NTC0	S G T V L D S S R L R WL I A N K A G V S L K S V H A N V V G E H G D S E F P V	
UniRef90 F0Z5G7  S G T V L D T A R L K Y L L G K K F N L D Y R N I H A WMI G E H G D S E L A V UniRef90 UPI00024857E2  UniRef90 E0QJ94  UniRef90 G7YH18  UniRef90 G7YH18  UniRef90 G7YH18  UniRef90 G8M/V20  UniRef90 W7CN35  S G T S L D S A R L R F L V A Q H C G V A V Q N V H A Y I L G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R L R F L V A Q H C G V A V Q N V H A Y I L G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R Q A L A R E T G V A V Q N V H A Y V A G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R Q A L A R E T G V A V Q N V H A Y V A G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R R I I T G D I L G I D P K S V S G Y S L G E H G D S E F V A W M A B W	UniRef90_F6XLK3 UniRef90_UPI00039C92C4	T G T N L D S A R F R H I T S T R L K V S P S S V H A C T V G E H G D S S V P L T G T M L D T T R T R S L L A E Y Y N V D P R S V H A V I L G E H G D S E V A A	<u>.</u>
UniRef90 F0Z5G7  S G T V L D T A R L K Y L L G K K F N L D Y R N I H A WMI G E H G D S E L A V UniRef90 UPI00024857E2  UniRef90 E0QJ94  UniRef90 G7YH18  UniRef90 G7YH18  UniRef90 G7YH18  UniRef90 G8M/V20  UniRef90 W7CN35  S G T S L D S A R L R F L V A Q H C G V A V Q N V H A Y I L G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R L R F L V A Q H C G V A V Q N V H A Y I L G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R Q A L A R E T G V A V Q N V H A Y V A G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R Q A L A R E T G V A V Q N V H A Y V A G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R R I I T G D I L G I D P K S V S G Y S L G E H G D S E F V A W M A B W	UniRef90_B8GSY5	TGTMLDTSRFRALLGEHYDVNPRSVHAYILGEHGDSEVAI	
UniRef90 F0Z5G7  S G T V L D T A R L K Y L L G K K F N L D Y R N I H A WMI G E H G D S E L A V UniRef90 UPI00024857E2  UniRef90 E0QJ94  UniRef90 G7YH18  UniRef90 G7YH18  UniRef90 G7YH18  UniRef90 G8M/V20  UniRef90 W7CN35  S G T S L D S A R L R F L V A Q H C G V A V Q N V H A Y I L G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R L R F L V A Q H C G V A V Q N V H A Y I L G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R Q A L A R E T G V A V Q N V H A Y V A G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R Q A L A R E T G V A V Q N V H A Y V A G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R R I I T G D I L G I D P K S V S G Y S L G E H G D S E F V A W M A B W	UniRef90_R5LCD6	S G T V L D T S R L R Y L L S K K L E V D S K N I H A F I I G E H G D S E L A V	/
UniRef90 F0Z5G7  S G T V L D T A R L K Y L L G K K F N L D Y R N I H A WMI G E H G D S E L A V UniRef90 UPI00024857E2  UniRef90 E0QJ94  UniRef90 G7YH18  UniRef90 G7YH18  UniRef90 G7YH18  UniRef90 G8M/V20  UniRef90 W7CN35  S G T S L D S A R L R F L V A Q H C G V A V Q N V H A Y I L G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R L R F L V A Q H C G V A V Q N V H A Y I L G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R Q A L A R E T G V A V Q N V H A Y V A G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R Q A L A R E T G V A V Q N V H A Y V A G E H G D S E I P L UniRef90 W7CN35  S G T S L D S A R F R R I I T G D I L G I D P K S V S G Y S L G E H G D S E F V A W M A B W	UniRef90_Q9P7P7 UniRef90_G9K810	SGCNLDSARFRYLMGERLGVHPLSCHGWILGEHGDSSVPV	
UniRef90_D3NXT4 UniRef90_E0QJ94 UniRef90_G7YH18 UniRef90_G7YH18 UniRef90_G4MY20 UniRef90_W0JHH6 UniRef90_W0JHH6 UniRef90_Q8GMJ0 UniRef90_W0JHH6 UniRef90_W0JHH6 UniRef90_Q8GMJ0 UniRef90_W0JH70 SGTTLDSARFRYFLAELGKHLNIDPRSLHAVYIIGEHGDSELPV UniRef90_R5TAP8 UniRef90_F5TAP8 UniRef90_F5TAP8 UniRef90_W0JH70 SGTSLDSARFRYMLGEYFEIDPHNVHAYIIGEHGDSELPL UniRef90_W0JST8T2 UniRef90_W0J	UniRef90_UPI000273D9D7 UniRef90_F075G7	S G	<del>,</del>
UniRef90_R5TAP8  S G T A L D S A R L Q M Q L S T Q L K V N R R S L T A Y L L G E H G D S S M I P UniRef90_F4H785  S G T V L D S S R L R Y L L A R E T G V A V Q N V H A Y V A G E H G D S E L P L A R E T G V A V Q N V H A Y V A G E H G D S E L P L A R E T G V A V D A R D V Q A Y T L G E H G D S Q F P V D D R R D V D A R D V D A R D V D A R D V D A R D V D A R D V D A R D V D A R D S D D S D D S D D S D D S D D S D D D D A R D V D D P R S L D D S D D S D D D D D D D D D D D D	UniRef90_UPI00024857E2	S G T I L D T A R L R A A L G E H V D V S P T S V H A Y V I G E H G D T E L P V	
UniRef90_R5TAP8  S G T A L D S A R L Q M Q L S T Q L K V N R R S L T A Y L L G E H G D S S M I P UniRef90_F4H785  S G T V L D S S R L R Y L L A R E T G V A V Q N V H A Y V A G E H G D S E L P L A R E T G V A V Q N V H A Y V A G E H G D S E L P L A R E T G V A V D A R D V Q A Y T L G E H G D S Q F P V D D R R D V D A R D V D A R D V D A R D V D A R D V D A R D V D A R D V D A R D S D D S D D S D D S D D S D D S D D D D A R D V D D P R S L D D S D D S D D D D D D D D D D D D	UniRef90_E0QJ94	SGTVLDSSRLKYELSKEFDLDPRALHAYLIGEHGDSEFPV	
UniRef90_R5TAP8  S G T A L D S A R L Q M Q L S T Q L K V N R R S L T A Y L L G E H G D S S M I P UniRef90_F4H785  S G T V L D S S R L R Y L L A R E T G V A V Q N V H A Y V A G E H G D S E L P L A R E T G V A V Q N V H A Y V A G E H G D S E L P L A R E T G V A V D A R D V Q A Y T L G E H G D S Q F P V D D R R D V D A R D V D A R D V D A R D V D A R D V D A R D V D A R D V D A R D S D D S D D S D D S D D S D D S D D D D A R D V D D P R S L D D S D D S D D D D D D D D D D D D		T G T MILID S A R F R A MILIG DIV M GILIS A S A V H A IL I I I G E H G D S S V P V NVIA I F K IL I I S N I V IQ Y S P H C K IL I V V S N P H G D T S IV P V	
UniRef90_R5TAP8  S G T A L D S A R L Q M Q L S T Q L K V N R R S L T A Y L L G E H G D S S M I P UniRef90_F4H785  S G T V L D S S R L R Y L L A R E T G V A V Q N V H A Y V A G E H G D S E L P L A R E T G V A V Q N V H A Y V A G E H G D S E L P L A R E T G V A V D A R D V Q A Y T L G E H G D S Q F P V D D R R D V D A R D V D A R D V D A R D V D A R D V D A R D V D A R D V D A R D S D D S D D S D D S D D S D D S D D D D A R D V D D P R S L D D S D D S D D D D D D D D D D D D	UniRef90_G4MY20	SGTSLDSARFAGELGKHLNIDPRSLHAVVIGEHGESELPV	/
UniRef90_R5TAP8  S G T A L D S A R L Q M Q L S T Q L K V N R R S L T A Y L L G E H G D S S M I P UniRef90_F4H785  S G T V L D S S R L R Y L L A R E T G V A V Q N V H A Y V A G E H G D S E L P L A R E T G V A V Q N V H A Y V A G E H G D S E L P L A R E T G V A V D A R D V Q A Y T L G E H G D S Q F P V D D R R D V D A R D V D A R D V D A R D V D A R D V D A R D V D A R D V D A R D S D D S D D S D D S D D S D D S D D D D A R D V D D P R S L D D S D D S D D D D D D D D D D D D	UniRef90_C3IWI0	S G T T L D S A R F R Y M L G E Y F E L D P H N V H A Y L L G E H G D T E L P V	
UniRef90_R51AP8  UniRef90_F4H785  UniRef90_W7CN35  UniRef90_W7CN35  UniRef90_W3YSQ8  UniRef90_M3YSQ8  UniRef90_A9AXB8  UniRef90_P56512  UniRef90_U10003771E18  UniRef90_U10003771E18  SGTVLDSARFRRITGDLGUDPKSVSGYSLGEHGDSEFAA  UniRef90_U10003771E18  SGTVLDSARFRRITGDLGUDPKSVSGYSLGEHGDSEFAA  UniRef90_U10003771E18  SGTVLDSARFRRITGDLGUDPKSVSGYSLGEHGDSEFAA  UniRef90_U10003771E18  SGTVLDSARFRRITGDLGUDPKSVSGYSLGEHGDSEFAA  UniRef90_U10003771E18  SGTVLDSARFRRITGDLGUDPKSVSGYSLGEHGDSELAA  UniRef90_B6SLT2  UniRef90_R5MRY3  SGTSLDTARWRYNLSRFFGMSPSSIHTYI GEHGDSEFVP	UniRef90_Q8GMJ0 UniRef90_U1YV99	SGTSLDSARLRIALAKKLIGVSPLDIISANVMAEHGDSEFAA SGTVLDSSRLRFLVAQH <mark>C</mark> GVAVQNVHAYIAGEHGDSE <u>IPL</u>	
UniRef90_V51812  S G I S L D I A R L R K F V G Q E L N V D P R S L H G Y V L G E H G D S E F V A UniRef90_M3YSQ8  S C N L D S A R S L Y L M A E N F G I H P R S C H G WI L G C V A M UniRef90_A9AXB8  Q G G V L D A A R Y R T F L A Q E L N V S V E D I Q A M L M G G H G D S E F A A UniRef90_D1AME6  UniRef90_D1AME6  T G T S L D S A R F R R L T G D L L G L D P K S V S G Y S L G E H G D S Q M P UniRef90_UPI0003771E18  S G T V L D T A R W R Y N L S R Y F G M S P S S I H T Y I I G E H G D S E L A A UniRef90_E6SLT2  UniRef90_R5MRY3  S G T S L D T A R L R Y L I G E K L S I N P K N V H G Y V L G E H G D S E F V P	UniRef90_R5TAP8	SGTALDSARLQMQLSTQLKVNRRSLTAYLLGEHGDSSMIP SGTVLDSSRIRYLLARFTGVAVQNVHAYVAGFHGDSFIPL	
UniRef90_P56512	UniRef90_W7CN35	S G T S L D S A R F Q Q A L A E L V G V D A R D V Q A Y T L G E H G D S Q F P V	
UniRef90_P56512	UniRef90_M3YSQ8	S CNLDSARSLYLMAENFGI HPRSCHGWI LG CVAM	4
UniRef90	UniRef90_A9AXB8 UniRef90_P56512	Q G G V L  D A A R Y R T F  L  A Q E  L  N  V  S  V  E D        Q A M  L  M G G H G D E M  V  P  L S G T S  L  D S S R  L  R  V  A  L  G K Q F N  V  D P R S  V  D A Y       M G E H G D S E F A A	- \
Unikerigo	UniRef90_D1AME6	TGTSLDSARFRRITGDILGIDPKSVSGYSLGEHGDSQMIP	2
UNIRGE90_REFUS3  A G V L D T A R F R R T V A D L S N V D P R S V L G S H G D T M V P UNIRGE90_UPI0003B6AAD6  M A G V L D T A R F R A F L A M D L G V S P K D I N A F V L G S H G D T M V P V UNIRGE90_UPI0003B6AAD6  M A G V L D T A R F R A F L L S Q K L G V A P S S C H G W I I G E H G D S S G M F S C UNIRGE90_UPI0003B6AAD6  M A G V L D S A R F R F L L S Q K L G V A P S S C H G W I I G E H G D S S G M F S C UNIRGE90_UPI0003A6F1C1  UNIRGE90_PT S S G T N L D T S R L R K L L V S Q A T G V A P Q S I H A Y V L G E H G D S S G M F S C UNIRGE90_UPI0003A6F1C1  UNIRGE90_UPI0003A6F1C1  UNIRGE90_UPI0003A6F1C1  UNIRGE90_REFUS3  S G T N L D S S R F K N V M A Q C T G I D H K S I L G Y S L G E H G D S Q M V P Q UNIRGE90_UPI0003A6F1C1  UNIRGE90_REFUS3  S G T N L D S S R F K N V M A Q C T G I D H K S I L G Y S L G E H G D S Q M V P Q S I H A Y V L G G H G D T M V P L UNIRGE90_UPI0003A6F1C1  UNIRGE90_REFUS3  S G T S L D S A R F R F L L S Q A T G V A P Q S I H A Y V L G G H G D T M V P L UNIRGE90_REFUS3  S G T S L D S A R F R F L L S G C M L D S A K S I L G Y S L G B H G D S Q M V P Q S I H A Y V L G G H G D T M V P L UNIRGE90_REFUS3  UNIRGE90_REFUS3  S G T S L D S A R F R F L L S G A L G V A P Q S I H A Y V L G G H G D T M V P L UNIRGE90_REFUS3  UNIRGE90_REFUS3  S G T S L D S A R F R F L L S G A L G V A P Q S I H A Y V L G G H G D T M V P L UNIRGE90_REFUS3  UNIRGE90_REFUS3  S G T S L D S A R F R F L L S G A L G V S M V D V T A F V M G G H G D T M V P L UNIRGE90_REFUS3  UNIRGE90_REFUS3  S G T S L D S A R F R T L L S G V S M K D V T A F V M G G H G D T M V P L UNIRGE90_REFUS3  S G T S L D S A R F R T L L S G V S M K D V T A F V M G G H G D T M V P L UNIRGE90_REFUS3  UNIRGE90_REFUS3  S G T S L D S A R F R F L L S G A L G V S M V V P V V R G C M V P V R V P V V R C M R V V R G V P V P V V R C M R V V R C M R V V R C M V P V P V P V P V P V P V P V P V P V	UniRef90_E6SLT2	QSGLDSARERTELARELNVSFEDVHALVLGGHGDSMVPL	
UniRef90	LINIDATOO DEFLIES	T G T S L D T A R L R Y II T G E K L S I N P K N V H G Y V T G E H G D S E F V P T G T S L D T A R T R R T V A D L C N V D P R S V L A F A M G E H G D S S M V P	2
Dirikerigo	UniRef90_UPI0003B6AAD6 UniRef90_N6TP62	M A G V L  D T A R F R A F L  A M D L  G V  S P K D I  N A F V L  G S H G D T M V  P  V S G T N L  D T S R F R F  L    S O K  L  G V  A P S S  V  H G W        G E H G D S S G M F	<u>/_</u>
S	UniRef90_U1M8V5	SGTNLDSARFRFLLSQRLQIAPSSCHGWIIGEHGDSSVAV	/
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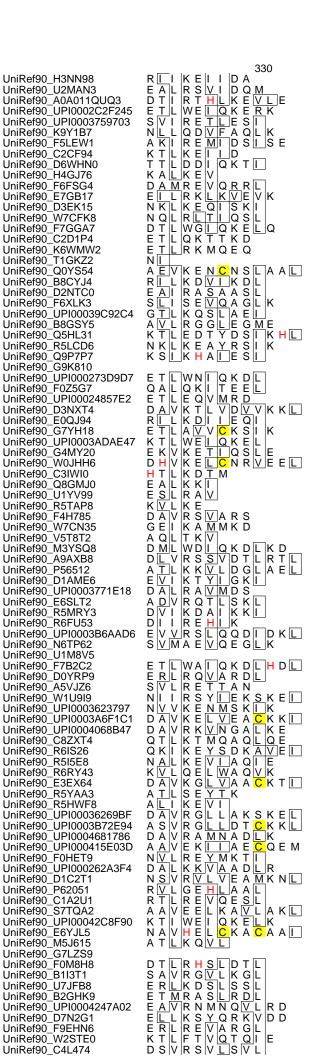
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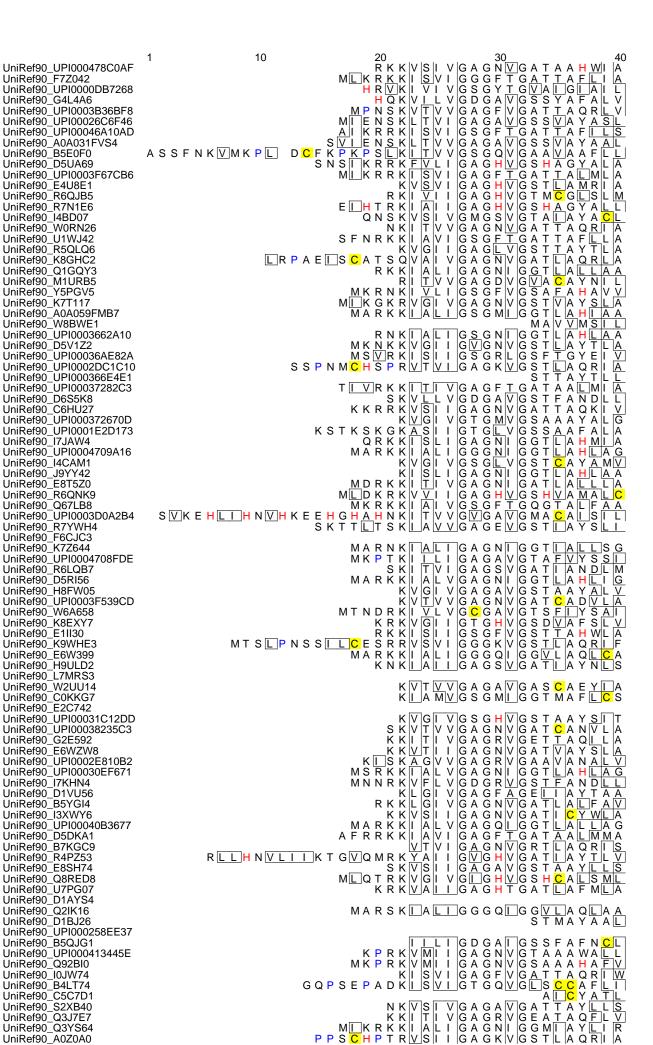
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UniRef90_W7CFK8 UniRef90_F7GGA7	VIIKII IKSYTSY II IMKNII IRRIVI <mark>H</mark> II I ISTI	F Q R G E MI K G L
UniRef90_C2D1P4 UniRef90_K6WMW2	I I IN R K G A T F Y G V A T <mark>C</mark>  I  M R I  S R A I   I  R D F N A I   I  P V G A	MNGE /AKG
UniRef90_T1GKZ2	V I  K I  K G V T S W A  I  G I  S V S N I  A S A  I I  K N T N S V V A V S T I	VIOGE
UniRef90_Q0YS54 UniRef90_B8CYJ4	Ĭ VNLLKTĠŚŸĀPĀĀŠĀVĒMĪĒĀĪ VKDRKRĪ ĹP <mark>Č</mark> TTĪ I I ERKDATYYAVGLAVARĪ VESLFRDESSI LTVSSĪ	A]L E G Q / L Q G E
UniRef90_D2NTC0	V I	ΓII A G E
UniRef90_F6XLK3 UniRef90_UPI00039C92C4	V I RÊK GYT N WAI ĞLS <mark>C</mark> AEMVESTLKNKHRI MPVS <mark>C</mark> I I I ERKGYT N WAI GLVI AHLVRTI QSDQGSVLPVSVI	FIVIK GI <u>V</u>
UniRef90_B8GSY5	I I ARKGYTNTALIGLŲ LAYLVRŲ LEDQKSVLPVSŲ	RLHGE PAGI QLNGQ
UniRef90_Q5HL31 UniRef90_R5LCD6	I I E R K G Y T N WA I G L V I A H L V R T I Q S D Q G S V L P V S V I I A R K G Y T N T A I G L V I A Y L V R V I L E D Q K S V L P V S V I I Q A K G S T Y Y G I A L A L L R I S K A L L N N E N S I L T V S S O I I E K K G S T Y Y G V A M A V K R I A Q A I I R D E Y S I L P V S H I I Q R K G S T E Y G V A A G L V R I L A A I I R D E N A L L T V S G I I I Q R K G S T E Y G V A A G L V R I L A A I I R D E N A L L T V S G I	ALNGQ LNGF
UniRef90_Q9P7P7	U I Q R K G S T E Y G V A A G L VR I LA A I L R D E N A L L T V S G I	LNGE DS MIKGL
UniRef90_G9K810 UniRef90_UPI000273D9D7	V	MIV K GIL I
UniRef90_F0Z5G7 UniRef90_UPI00024857E2	I I D R K G S T F Y A V A M A V K R I A Q A L V R D E H S I M T V S S I I I D A K G S T S F G I G M G L A R I T R A V L E N E D V V L P V S V I	AQGH VEDI
UniRef90_D3NXT4	I I E K K G S T Y Y G V A M A V K R I A Q A I I R D E Y S I L P V S H I I Q R K G S T E Y G V A A G L V R I L A A I I R D E N A L L T V S G [ V I K L K G Y T S WA I G L S V A D L A E S I M K N L R R V H P V S T I I K L K G Y T S WA I G L S V M D L V G S I L K N L R R V H P V S T I I D R K G S T F Y A V A M A V K R I A Q A L V R D E H S I M T V S S I I D A K G S T S F G I G M G L A R I T R A V L E N E D V V L P V S V I V K L L K T G S Y A P A A S A I Q M A E S Y L K D Q K R V L P V A A I I S K K G Y T N Y A I G L A V N R I V E A I L R D E K S I L T I S S V S V S V I I K G G T S WA I G L T C F A I V N A I L R D S H V V Y Y I S V I S V S V I S	HL IS G Q
UniRef90_E0QJ94 UniRef90_G7YH18	I VKLLKTGSYAPAASAIQMAESYLKDQKRVLPVAAIII SKKGYTNYAIGLAVNRI VEAILRDEKSI LTISSIIKKKGQTSWAIGLTCFALVNAILTDSHVVYPLSV	SVKG <u>F</u>
UniRef90_UPI0003ADAE47		KGL
UniRef90_G4MY20 UniRef90_W0JHH6	IIKMK GYTS WAI GLS VADLTESI LKN LRRV HPV STI IIEKK GVTGYGLASALLRI VECVRRDENTLMPV SC IVKLLKTGSYATSSAI VQMIDSI VRDKK DV LPCAVI	<u>/</u> ] GS KTOGK
UniRef90_C3IWI0		YILIENE
UniRef90_Q8GMJ0 UniRef90_U1YV99		Y I D G E L D G I
UniRef90_R5TAP8	ENTTKG <mark>C</mark> TEFGVTSATAELVRAI YHNEHKI LP <mark>C</mark> SV	Y L D G P
UniRef90_F4H785 UniRef90_W7CN35	I I E G K G A T N Y A V A L A G S R I I E A V L N D E S R I L P V S S I I I E <mark>H</mark> K G S T Y Y G I A L S L A R I T K A I F D D E N A I L P L S V	L D G Y Y L D G Q
UniRef90_V5T8T2	I I NEKGATEYGUGTALARI AKALTADEKTV LPLSV	Y <u>M</u> N G Q
UniRef90_M3YSQ8 UniRef90_A9AXB8	I VSLTGSAYYAPAAATIQMVEAILKDKKRVLPAAA	MVKGL YLEGE
UniRef90_P56512 UniRef90_D1AME6		Y M D G Q E L D G E
UniRef90_UPI0003771E18	I I E A K G S T S F G I G A G L V R I V S A I L K D E Q V A L P V S T I	LSGE
UniRef90_E6SLT2 UniRef90_R5MRY3	I	Y L E G E N
UniRef90_R6FU53	I	LEGE
UniRef90_UPI0003B6AAD6 UniRef90_N6TP62	I VSLTGSAYYA <mark>P</mark> SAAV <u>L</u> EMVEAI VFDRKRI LP <mark>CCVI</mark> VIKLKGYTSWAIGLSVASL <u>A</u> SSI LRNSNNVHAVST`	_ <mark>C</mark> E G E Y V K G L
UniRef90_U1M8V5		
UniRef90_F7B2C2 UniRef90_D0YRP9	I NERGTIS WALGES VATI VINGILAND KINVEALS II SVKRLWQKTGGSGENIASI RRRLVRSAARLVEGSAF I I EGKGSTNYAI GLAVTSI LRAI MRDQHRVQSIST I I NRKGATYYGVATALARI TKAI LYDQNTVLPVSA LIAGKGCTEFGI GVGLTELVKTI LHNERKI LPATT TYEGKKCTEFGI ASTAARFIKGI YHDEKFVTTAST I VQGNGSAYAAPGAAGAFVVEAYLKDKKSVMPCAI	LEDW
UniRef90_A5VJZ6 UniRef90_W1U9I9	I I N R K G A T Y Y G V A T A L A R I T K A I L Y D Q N T V L P V S A Y	Y L D G E
UniRef90_UPI0003623797	TYEGKK <mark>C</mark> TEFGLASTA <u>A</u> RFLKGLY <mark>H</mark> DEKFVTT <mark>A</mark> STL	LEGE
UniRef90_UPI0003A6F1C1 UniRef90_UPI0004068B47	I VQGNGSAYYAPASSA <u>II</u> AMAEAYILKDKKSVMP <mark>C</mark> AAI I TGI I GTSAWAPGAAGAFVVFAI I <mark>H</mark> NQMKII VPCSV3	NILIT G Q SILIF G F
UniRef90_C8ZXT4	I TAAKGSTHYGIAUSLARI TRSI LKDEHAVLPVSV	LE ĞQ
UniRef90_R6IS26 UniRef90_R5I5E8	I I D G K G A T F Y G I  A G A  L <mark>C</mark> Q I	ML HGE
UniRef90_R6RY43 UniRef90_E3EX64	I I GÜKGATFYGI AMAVSTI VEAI MKDDSAI LPVAH I VGL LKTGSYAPATSAI EMAESYLKDQKRVLP <mark>C</mark> AA	/ L D E S
UniRef90_R5YAA3	VQGNGSAYYAPASSA  AMAEAYLKDKKSVMPCAA     TGLLGTSAWAPGAAGAFVVEA  LHNQMKLVPCSV    I AAKGSTHYG  A  SLAR  TRS  LKDEHAVLPVSV    I DGKGATFYG  AGALCQ  CQA  SNNEYA  LTVST    V   AKKGATFYAVSATVCQLVGL  LAASDSLATVSS    I   GLKGATFYG  AMAVSTLVEA  LAASDSLATVSS    V   GLKGATFYG  AMAVSTLVEA  KDDSA  LPVAH    V   GLKGSTYFG  ASATQY  CNS  ISDKHA  LTVSS    I   KGKGSTYFG  ASATQY  CNS  ISDKHA  LTVSS    I   N   KGKGSTYFG  ASATQY  CNS  ISDKHA  LTVSS	HDEG
UniRef90_R5HWF8 UniRef90_UPI00036269BF	I I K G K G S T Y F G I A S A T Q Y I C N S I I S D K H A I L T V S S I I I N R K G A T Y Y G L G M C L V R L T N A L L N N E N S I I T V S S I I V G L L K T G S Y A P A A S A V Q M A E S Y L K D Q R R V L P C A A V	NVE G Q
UniRef90_UPI0003B72E94	<u>  V G L L K                                </u>	Y L D G E
UniRef90_UPI0004681786 UniRef90_UPI000415E03D	<u>T GL L G</u> T S A WY A P G A S <u>V A</u> Y <u>L V D S                                 </u>	FILIFGE
UniRef90_F0HET9	VGGNGSAFYAPAESAI	VIL É Ğ Ĕ
UniRef90_UPI000262A3F4 UniRef90_D1C2T1	V	V L Q G E Y L T G Q
UniRef90_P62051	I I GRKGATGYGIGMSL <mark>C</mark> RIVEAU L <mark>H</mark> DEHSVLTVS <mark>C</mark> I	V A G H
UniRef90_C1A2U1 UniRef90_S7TQA2		L Q G E
UniRef90_UPI00042C8F90	I I K MK G Y T S WALIGLIS VA DLIT E SLVK NLR RIVH PVS T I	R G L
UniRef90_E6YJL5 UniRef90_M5J615	V V N	Y M D G Q
UniRef90_G7LZS9 UniRef90_F0M8H8	II SRKNATYFAVALAVNRI VEAL LRDENTI LTVS <mark>C</mark> I	MQGE
UniRef90_B1I3T1	VELTGSAYYAPGAALTQMLEAVLKDKKRILP <mark>C</mark> AA	Y L D G E
UniRef90_U7JFB8 UniRef90_B2GHK9	I I E G K G A T N Y A II G L T G A R L A E A L L G A N R S II L P L S S S	/ I D D V
UniRef90_UPI0004247A02	TGL LGTSAWYAPGAAGAAL VESI VRDQKKVFPCCV	L S G E
UniRef90_D7N2G1 UniRef90_F9EHN6	V   E A K G S T S <mark>H</mark> G     G M G   L   S R       S N A     L   <mark>H</mark> N Q G   V L   P V   S S   I L   E G K G V T N Y A V G     A V O R     T G A     L N D E O R V L T V   S D   I	L E G E
UniRef90_W2STE0	I I KEKGYT <mark>C</mark> WGUGUSVAKUTRGI MRNSRNUNAUST	ŢVQĞÜ
UniRef90_C4L474	I VQGDGSAYYAPAAALVEMVEAI VKDQRRI LPALA'	Y L E G E

LiniDafoo Lianingo	290 300 310 320 Y G V S D I Y I G V P A I I N S N G I K N V L E L P L T D T E K E R M D E S S
UniRef90_H3NN98 UniRef90_U2MAN3	
UniRef90_A0A011QUQ3	YN QNDI YI GSPAI I NRNGVKKI VEI PLNDSEKEKMKHSA LLNKXI YLSVPCI LGENVIT DLI KVKLTSAEEACLKRXA
UniRef90_UPI0002C2F245	LLNKX  YLSVP <mark>C</mark>    L GEN <u>V</u>   TDL  K <u>V</u>  K L TSAEEA <mark>C</mark> LKRXA
UniRef90_UPI0003759703	YGLK DVCMSLPRVVNRAGLGSTIHADLSDDERDALVESG
UniRef90_K9Y1B7 UniRef90_F5LEW1	YGLK DVCMSLPRVVNRAGIGSTIHADLSDDERDALVESG YDIK DVCLGLPRVINEKGFYKTVNLDLSPREEKQLRLSA YHGLSDVYLGVPCIVDRTGVREVITLPLSEEEENNLRKSG
UniRef90_F3LEW1	YGLK DVCMSLPRVVNRAGIGSTIHADLSDDERDALVESG YDIK DVCLGLPRVINEKGFYKTVNLDLSPREEKQLRLSA YHGLSDVYLGVPCIVDRTGVREVITLPLSEEEENNLRKSG YGLK DIFIGVPTVIGKDGVKWVIELPLTDTEKERMDSSY HGITQEVYLSLPSVLGENGVRSIVNQCLTEDEKQLLKSA
UniRef90_D6WHN0	Y G L K D I F I G V P T V I G K D G V K W V I E I P L T D T E K E R M D S S Y H G I T Q E V Y L S L P S V L G E N G V R S I V N Q C L T E D E K Q L L K S A Y G L E D I Y I G T P A V I N A S G V A R V I E V P L N E R E Q K A M A D S A
UniRef90_H4GJ76	T GILIE DII ITII IG I PAIVI IN A S GIVIA RIVI IEIVIPILIN E R E Q R A M A D S A
UniRef90_F6FSG4 UniRef90_E7GB17	Y G L K D I F I G V P T V I G K D G V K W V I E I P L T D T E K E R M D S S Y H G I T Q E V Y L S L P S V L G E N G V R S I V N Q C L T E D E K Q L L K S A Y G L E D I Y I G T P A V I N A S G V A R V I E V P L N E R E Q K A M A D S A Y H G I S D V C L S V P S L V D R R G V T A T V D V P L S D E E V A G L R A S A Y K H K D I Y I G V P C V I N R E G I K E V I Q L P L N G V D Q G K F D D S Y
UniRef90_D3EK15	Y H GIVIS DIVIYII IGIVI <mark>P CI</mark> V VID R I GIVIR EII I ISII IE E N D E EII II Q E H A S A
UniRef90_W7CFK8	Y GELIGIEF I GIPALI IN EI GIER QII I ALEINIELI AIVE QIVIN FEI SIVI
UniRef90_F7GGA7 UniRef90_C2D1P4	Y GINEDVFLSVPCI VGQNGI SDVVKLTLTLEEEARLKQSA Y GLNDVYI GSPAVINGSGIEKVI EVPLNDKEKAAMKASA
UniRef90 K6WMW2	Y E GLD D V CL S L P T L V S R S G A G S R L HV P M S E E E H A G L M S S A H G L G H E V F L S L P C V L G S N G V T H L V K Q L L T E A E L K Q L Q N S A
UniRef90_T1GKZ2	Y E GLDDV CLSLPTLVSRSGAGSRLHVPMSEEEHAGLMSSAHGIGHEVFLSLPCVLGSNGVTHIVKQLLTEAEIKQLQNSAYGIDNVYCGVPVKLGKNGVEQILEINLSPSELEALQKSA
UniRef90_Q0YS54 UniRef90_B8CYJ4	Y GI D N V Y C G V P V K L G K N G V E Q I L E I N L S P S E L E A L Q K S A Y N L D G L A L S L P S I V G E K G I K K V L T L E F S A K E E E D L Y E S A
UniRef90_B0C134 UniRef90 D2NTC0	Y GI DN VY CGVPVKLGKNGVEQI LEINLSPSELEALQKSA YNLD GLALSLPSI VGEKGIKKVLTLEFSAKEEEDLYESA LYGFKDVALSLPTI VNREGIQRVLEVPMNEAELAQLKASA
UniRef90_F6XLK3	VG[TK E D V <mark>C</mark> L S L P <mark>C</mark> VL N A S G VS S VV E V S T N K <u>D</u> E <u>K</u> S A L D K S A
UniRef90_UPI00039C92C4 UniRef90_B8GSY5	Y G I N E D V F L S V P C I V G Q N G I S D V V K L T L T L E E E A R L K Q S A Y G L N D V Y I G S P A V I N G S G I E K V I E V P L N K E K A A M K A S A Y E G L D D V C L S L P T L V S R S G A G S R L H V P M S E E E H A G L M S S A H G I G H E V F L S L P C V L G S N G V T H I V K Q I L T E A E I K Q L Q N S A Y G I D N V Y C G V P V K L G K N G V E Q I L E I N L S P S E L E A L Q K S A Y N L D G L A L S L P S I V G E K G I K K V L T L E F S A K E E E D L Y E S A L V G F K D V A L S L P T I V N R E G I Q R V L E V P M N E A E L A Q L K A S A V G I K E D V C L S L P C V L N A S G V S S V V E V S L N K D E K S A L D K S A Y G I H D V C L S I P V A I G G G G A G E R L P L P L N A L E L A D L H A S A Y G I E P G L C L S I P C V V G S R G V E C R V P P E V S E Q E R A G L H A S A Y G I E P G L C L S I P C V C S R G V E C R V P P E V S E Q E R A G L H A S A Y G I N D V C L G L P T L I N Q N G A V K K I L P I I N R F E K N Y I T K S A
UniRef90_Q5HL31	Y GFNDVYLGLPTLINQNGAVKIYETPLNDNELQLLEKSV
UniRef90_R5LCD6	
UniRef90_Q9P7P7 UniRef90_G9K810	Y Ś N I G D V <mark>C F Ś M P R K</mark> L N K D G A H R I I N A K L S K D E D A K L VE Ś V Y G I K D D V F L S V P <mark>C</mark> I L G Q N G I S D V V K V T L T P E E E A <u>R L</u>
UniRef90 UPI000273D9D7	Y G       K D D       F   L
UniRef90_F0Z5G7	Y GI K E E L F L S I P C V L G R N G V S D V V K I N L N S E E E A L F K K S A Y G L H H I C I G L P T V V G R N G A E D L I E I P L N A Q E K E A L R E S A
UniRef90_UPI00024857E2 UniRef90_D3NXT4	Y GI K E E L F L S I P C V L G R N G V S D V V K I N L N S E E E A L F K K S A Y G L H H I C I G L P T V V G R N G A E D I I E I P L N A Q E K E A L R E S A Y S G H Q P V Y I G T P A V I N R S G V R E P V E L E L D D A E Q A Q F T H S A Y G Q D D L V V G V P T L I G A G G V E K I I E L N D E E K V S O F E E S V Y S C D D V V V G V P T L I G A G G V E K I I E L N D E E K V S O F E E S V Y S C D D V V V G V P T L I G A G G V E K I I E L N D E E K V S O F E E S V Y S C D D V V V G V P T L I G A G G V E K I I E L N D E E K V S O F E E S V Y S C D D V V V G V P T L I G A G G V E K I I E L N D E E K V S O F E E S V Y S C D D V V V G V P T L I G A G G V E K I I E L N D E E K V S O F E E S V Y S C D D V V V G V P T L I G A G G V E K I I E L N D E E K V S O F E E S V Y S C D D V V V G V P T L I G A G G V E K I I E L N D E E K V S O F E E S V Y S C D D V V V G V P T L I G A G G V E K I I E L N D E E K V S O F E E S V Y S C D D V V V G V P T L I G A G G V E K I I E L N D E E K V S O F E E S V Y S C D D V V V G V P T L I G A G G V E K I I E L N D E E K V S O F E E S V Y S C D D V V V G V P T L I G A G G V E K I I E L N D E E K V S O F E E S V Y S C D D V V V G V P T L I G A G G V E K I I E L N D E E K V S O F E E S V S C D T V V G V P T L I G A G G V E K I I E L N D E E K V S O F E E S V S C D T V V G V P T L I G A G G V E K I I E L N D E E K V S O T C T C T C T C T C T C T C T C T C T
UniRef90_D3NX14 UniRef90_E0QJ94	Y GQDDLYVGVPTLIGAGGVEKLIELELNDEEKAMFQNSV YNSIDDVYYSAPNAVGKSGQLIKI <mark>C</mark> PKLSELEVSQLEESK
UniRef90_G7YH18	Y GTEEDVYLSLPALVTQHGTTHIVPPELSKEEESKLHKSA
UniRef90_UPI0003ADAE47 UniRef90_G4MY20	Y S N   G D V C + S M P K   L N K D G A H R   I N A K L S K D E D A K L V E S V Y G   K D D V F L S V P C L L G Q N G   S D V V K V T L T P E E E A R L K S A A Y G I K E E L F L S I P C V L G R N G V S D V V K V T L T P E E E A R L F K K S A Y G I K E E L F L S I P C V L G R N G A E D L I E I P L N A Q E K E A L R E S A A Y S G H Q V Y I G T P A V I N R S G V E E I L E L D D A E E K A M F Q N S V Y N S I D D V Y Y S A P N A V G K S G Q I I K I C P K L S E E E E K K L H K S A Y E D D V Y Y S A P N A V G K S G Q I I K I C P K L S E E E G A R L K K S A Y E I N D D V Y Y S A P N A V G K S G Q I I K I C P K L S E E E G A R L K K S A Y E I N E E V F L S V P C V L G E N G L A D L I K L K L S E E E L K A L K V S A Y G L E K S K L H K K S A Y G L E K S K L F V G C M S G V E E I V E L K L S E E E L K A L K K S A Y G L E K D L F V G L P V K L G M S G V E E I V E L K L S E E E L K A L K K S A Y G L E K D L F V G L P V K L G M S G V E E I V E L K L S E E E L K A L K S A Y G L E K D L F V G L P V K L G M S G V E E I V E L L N D D E L A G L R S S V Y G L E D V Y L G D P A V I N R R E G I R E I I E L L N D D E L A G L R S S V Y G L E D V Y L G D D E L A G L R S S V Y G L E D V Y L G S T A S V P V K L G S G G V E D L I E L H L T D D D E Q K E L Q A S S V Y G L E D V Y L G S T A S V P V K L G S G G V E D L I E L H L T D D E Q K E L Q A S S V Y Y G S P V V V N R R N G V Q E I L E V P L N A A E Q E K M N N S A Y G L E D V Y L G S T A V V N R R N G V Q E I L E V P L N A A E Q E K M N N S A Y G L E D V Y L G G G T G L K Q I I E L F L S L L E L P L S A D E L K M N S S A Y G L E L S V P V V L G G G T G L K Q I I E L L E L L D D D E R R R F R R S S A Y G L K T N G V Y G G G T G L K Q I I E L L E L L L L T E E E E N K A L K S A Y G L K T N G V Y G G M P A I I N R A G G V E E I I E L K L T E E E E N K A L K S A Y G L K T N G V Y G G M P A I I N R A G V S Q K I F V S L N E E T E T E K L K S A Y G L K T N G V Y G G M P A I I N R A G V S Q K I F V S L N E T E T E T E K L K S A Y G L H G I F M G G V F L S L V F L E L E L N D D D E R R R F R
UniRef90_W0JHH6	Y GLEK DL FVGL PVKL GMS GVE ET VELKLS E E ELKALKVS A
UniRef90_C3IWI0	Y GHNDVYI GVPAVI NREGIRELIELNAEEKFNFNHSV
UniRef90_Q8GMJ0	Y G T K D N Y L G T P A V I N A S G L S K V I E V P L N E R E S E A M T K S A Y G L E D V C L S L P T L V D R R G A T E R V E V P L A D D E L A G L R S S A
UniRef90_U1YV99 UniRef90_R5TAP8	Y G L E
UniRef90_F4H785	Y G I K D S F A S V P V K I G K D G V E D I I E L H L T D D E Q K E L Q A S V Y G I S D V C L S V P A V V G S G G V G D R L A V P M S A D E L A G L R R S A Y G H K D V Y I G S T A V I N R E G I K F I I E M P L N E K E Q G D M D K S V
UniRef90_W7CN35	Y GHKDVYI GSTAVI NREGI KFI I EMPLNEKEQGDMDKSV YGVQ DLYVGSPVVVNRNGVQEI LEVPLNAAEQEKMNNSA
UniRef90_V5T8T2 UniRef90_M3YSQ8	Y G V Q
UniRef90_A9AXB8	Y GI  N DL Y F G V P V V L G A G G V E R I L E L P L S D D E K A L M A K S A
UniRef90_P56512	Y GL   N DI Y   GTPAV   GGTGL K QI   ESPL SADEL K K MQDSA
UniRef90_D1AME6 UniRef90_UPI0003771E18	Y E L K N V C L S V P V I L G N K G V E E I I E L K L T E E E Q K Q L N R S A Y G Q D G I Y L G V P A V L G R G G V E Q V I E L Q L D D D E R R R F R Q S A
UniRef90_E6SLT2	Y GESGIFMGVPVVLGGNGIEKILEIELTDEERQAFARSA YDKTNGVYVGMPAIINRAGVSQKIFVSLNETETEKLKNSL
UniRef90_R5MRY3	Y D K T N G V Y V G M P A I I N R A G V S Q K I F V S L N E T E T E K L K N S L
UniRef90_R6FU53 UniRef90_UPI0003B6AAD6	Y GQKNV <mark>HAGVPC</mark> IIGRNGLESVVELHLTEEENKQFAKS <mark>C</mark> YGI HGIFVGVPVILGKNGAEKIVEFELKEEEMKALKRSA
UniRef90_N6TP62	Y GI H G I F V G V P V I L G K N G A E K I V E F E L K E E E M K A L K R S A H Q V E Q D V F L S V P A V L G E N G I S L I V K Q R L T P E E N Q S L L K S A
UniRef90_U1M8V5	H GI H D D V Y L S L P C V L G E N G V T H I V K Q N L N Q N E
UniRef90_F7B2C2 UniRef90_D0YRP9	HGIL S DIVICII AIVIPTIVITS R T G A G KIVI C P PILITII K F R D G M T A S A
UniRef90_A5VJZ6	Y GEKDI YLGTPAVIDKDGIQKVVELPLDSREQEALINSA
UniRef90_W1U9I9	Y GQTDVFASVPVIMSKDGIJEELLEINLTNNEKEKFNNS <mark>C</mark>
UniRef90_UPI0003623797 UniRef90_UPI0003A6F1C1	Y GET N DIL IVINGIVEN NENDEEK A GEN H SIVI
UniRef90_UPI0004068B47	Y GETDI CCGVPVI LIGKNGI EKI VELPLDEAEKAAFKASA
UniRef90_C8ZXT4 UniRef90_R6IS26	Y Q A I DIVI <mark>C</mark> II IS S P A II VIN S Q GII IR E II I IE M P IL N E S E Q Q Q M Y D S II E G VIK DIVICII IS II P T V VIC K P CIVILI IV P K II S E S E II N D II P V S A
UniRef90_R5I5E8	Y GILE DVCLSTLTLVGPNGI QGKVQMRMNKEEVELLKKSA
UniRef90_R6RY43	FGSWAGMAVSLPCRIGWEGIEACLRIPMNEEEQKAMDASI
UniRef90_E3EX64 UniRef90_R5YAA3	FGLID GLIYIVGIVIPI I VI IGA G GII E KIVI IGII KILISA D E QA MFD K SIVI II GGYDNI CYSI PSI VSK NGIVETAI VIPEI CNGEPEAITEKSA
UniRef90_R5HWF8	YNRENNVYIGLPIVINKNGADRKI FVELNEEEKNKLONSI
UniRef90_UPI00036269BF	Y GLD GLYVGVPVI I GENGVEKVVEI ELNADEVT MFNASV
UniRef90_UPI0003B72E94 UniRef90_UPI0004681786	Y GIVID G M Y IV IGIV IP IV V I IG D D G IV IE RII V IE IL IQIL IT D E E R K D F E T S IV
UniRef90_UPI000415E03D	LA GVR GLYVGAPAMI GARGVEKVMNI RLKNNEREMEMNSV
UniRef90_F0HET9	Y EEFNLY TGVPTTIGKNGVESVLELPLTQDELNAFKHSN
UniRef90_UPI000262A3F4 UniRef90_D1C2T1	HGII SDAALSVP <mark>UI</mark> VGAEGARPIIPE IPFSEDELSRLQASA YGII NDUYVGVPVKIIGAGGWKOII IEI KUTEDEOAAIIE 49A
UniRef90_P62051	Y GL G D V S L S L P C V I G S D G L E E V L D A P I A E D E Q A A L A A S A
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UniRef90_S7TQA2 UniRef90_UPI00042C8F90	Y GIL N DILIFII GIVIPIVIKILIGIK G GIVIE EII I IEII IKILIT D D E MA RILIK K S A
UniRef90_E6YJL5	Y GIVIK - DMY IV GVPVV I GAGGIVERIV I ELI DLINDNEKAAFEKSIV
UniRef90_M5J615	YGL ND TY GTPGVVDGNGLRQI I EVPLNEAEQAKMTASA
UniRef90_G7LZS9 UniRef90_F0M8H8	Y GII D DIVIYILIAIVIP I II LINST GAIVIRII VINPILLIK DE
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UniRef90_U7JFB8	H GVKN VALSMPCIVSREGIEGVVPVPMSDGEUTKLHASA
UniRef90_B2GHK9 UniRef90_UPI0004247A02	Y GODDI CMGVPVVIGKNGWEKI I IDYKI NEFEOAAFNKSA
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UniRef90_F9EHN6	F GQENVYIIGVPTVVNRQGAVRI I NLDL SDDEAEQFARSAHGI SDVCMSVPTI VGRKGAGRRLELPLTLDERDRLTSSAHGI TDDVYLSVPCVVGVNGVTHVVKQTLNKEEIEKLHQSWYGFQDLYLGVPTILGKHGI EQVLELDLTDEEKAALSKSA
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UniRef90_C4L474	Y GFQDLJYLLIGIVIPTLLIGKHGII IEQIVLIEILIDILITDEEKAALLISKSA





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JAMESSO JAMESS	UniRef90_G4L4A6	TQDIAQEVGIVDIDSNRTEGDAIDLSDAIAF NAPKKIYS EKELLAD VVLIDIVEGLAQGKALDMMESAPIGEKTKIVGT
JAMESSO JAMESS	UniRef90_UPI00026C6F46	TRGSARHVÁL Y DI DAAKT ÉAEVL DEAHGTEFTRASDI I GG QKELIGD VVL VIDI MENPTKGKAL DMLESTPQGSDVNVI GT
JANKENS D. PRIODOSTERIOSE  M. K. E. L. G. D. V. V. L. D. I. M. E. N. P. T. K. G. K. A. L. D. M. L. G. D. V. V. L. D. I. M. E. N. P. T. K. G. K. A. L. D. M. D. A. V. V. V. D. D. I. M. E. N. P. T. K. G. K. A. L. D. D. D. A. V. V. V. D. D. M. M. M. L. D. R. M. G. S. G. L. D. L. D. D. A. V. V. V. D. D. M. M. M. L. D. R. M. G. S. G. L. D. L. D. D. A. V. V. V. D. D. M. M. M. L. D. L. M. G. S. G. L. D. L. D. D. A. V. V. V. D. D. M. M. M. M. M. M. M. M. M. M. M. M. M.	UniRef90_A0A031FVS4 UniRef90_B5E0F0	IRGSARHVALYDIAAEKVEAEVLDLAHGSQFTNSSDISGGARNLTKHLVILDVKYDLATAEALDFSHGSAFLGNPIVEAC
Junkelgo (RYMLEO)  Junkelgo (RYM	UniRef90_D5UA69 UniRef90_UPI0003F67CB6	A Q G L A E E I V F I D I D E K K A F S Q A L D I F D S T V Y L P H R V E V K A M K E L G D V V L L D I M E N P T K G K A L D M L E A T P V V G D V H I L G T
Junkelgo D. W. L. V. D. I. M. E. N. P. T. K. G. K. A. L. D. M. A. E. G. P. V. G. G. F. D. A. S. V. I. T. Y. E. Junkelgo S. W. G. G. G. C. T. Y. E. Junkelgo S. W. G. G. G. C. T. Y. E. Junkelgo S. W. G. G. G. C. T. Y. E. Junkelgo S. W. G. G. G. C. T. Y. E. Junkelgo S. G. G. G. G. G. G. G. G. G. G. G. G. G.	UniRef90_E4U8E1 UniRef90_R6QJB5	E A A L A D V V L V D I V E G M P Q G K A L D L S Q S P V V L N D V T I T G T Y R G E V D D L V Y I D I D R E K A Y S Q A L D L D D A V S L L P H Q L T V R T
Junkelgo D. W. L. V. D. I. M. E. N. P. T. K. G. K. A. L. D. M. A. E. G. P. V. G. G. F. D. A. S. V. I. T. Y. E. Junkelgo S. W. G. G. G. C. T. Y. E. Junkelgo S. W. G. G. G. C. T. Y. E. Junkelgo S. W. G. G. G. C. T. Y. E. Junkelgo S. W. G. G. G. C. T. Y. E. Junkelgo S. G. G. G. G. G. G. G. G. G. G. G. G. G.	UniRef90_I4BD07	S Q G L A E E I V Y I D I D K K K A E A Q A L D L I Y D S T V Y L P K R A L V Y A I R G S A G S L A L F D I D T A K V R A E V L D L N H G S Q F V P H C R I S G S
JAIRGERO CHIGAY3  JAIRGERO AND LOSS OF REAL DELY A KILLS OF STATE AND A	UniRef90_U1WJ42	QKEILIGD IVVLVIDII IMENPTKGKAILIDMAEGPIVIQGFDASIVI IGT
JAIRGESO _MIURES	UniRef90_K8GHC2	OKEILIGD IVVLIEDIVVIEGIVIPOGKAILIDILISOGPILIAGEDAKILISGS
JAIRGERO WARDSPENDY  JAIRGERO WARDSPENDY  A Q N I S N E V Q I T D A N E K L VIN G E S K D V Q G S A L D M S Q A A A M N S M S K I T V V V N A M S M S L I G N D M S Q A A A M N S M S M S M S M S M S M S M S M S M	UniRef90_M1URB5 UniRef90_Y5PGV5	T R D
Jinker90 UP10002DCCCT0  EK N LA D V V L D I V D R D R S G LA M D L I M R R L I G T JINKER90 UP10003DC2BCCT0  EK N LA D V V L D I V D R D R N R L I M R R L I W W T I M R R L I G T JINKER90 UP10003T28Z670  JINKER90 DESSARS  OK F L G D V V L D I V D R D R N R M L I D L M R R R L I W M R R L I M R R L I W M R R M R L I M R R L I M R R L I W M R R M R M R M R M R M R M R M R M R	UniRef90_A0A059FMB7	MILICSCHEILLIPDNKILIEILIAPCKAILIDMSOAAAAIVIPS <mark>H</mark> TIVVVVIA
Jinkerson UP10002DCCCTO    F. K. N. L. A. D. V. V. L. D. I. V. D. K. D. R. P. K. G. D. A. L. D. L. M. B. A. G. L. B. L. N. R. R. L. I. G. A. J. D. L. M. B. A. G. L. D. L. M. B. A. G. L. B. L. M. R. R. L. I. G. A. J. D. L. M. B. A. B. L. D. L. M. B. A. B. L. L. R. B. L. V. L. D. V. D. H. N. K. A. V. G. D. A. L. D. M. M. H. R. R. L. I. G. A. J. J. M. R. R. L. I. G. D. L. J. L. D. V. D. H. N. K. A. V. G. D. A. L. D. M. H. B. M. P. F. G. G. H. T. R. L. I. V. J. G. D. J. J. R. B. J. J. J. R. B. J. J. R. B. J. J. J. R. B. J. J. R. B. J. J. J. R. B. J. J. J. R. B. J. J. J. R. B. J. J. J. R. B. J. J. J. R. B. J. J. J. R. B. J. J. J. J. J. J. J. J. J. J. J. J. J.	UniRef90_UPI0003662A10	KELGD VILEDIAEGI PQGKSLDLQGGSLYLKDAVI I GN
JAIRRE90 D6SSK8	UniRef90_UPI00036AE82A	Y K E II IA K E IV V I T II) II T IQ NII I <mark>P</mark> Q G E A MIDII IN Q M A S E G K S IV T V IK G S
JAIRRE90 D6SSK8	UniRef90_UPI000366E4E1 UniRef90_UPI00037282C3	LRERADEL VLI DVDHNKAVGDALDMNHGMPFIGHTE VWA QKELGD VVLLDI PENPTKGKALDMLEASPQGFDARITGT
Julikef90_ESTSZO R R E T A D   T L I D   N K A Q A E A L D I S Q S A V E G F T K K K K G T Julikef90_ESTSZO R R E T A D   T L I D   N K A Q A E A L D I S Q S A V E G F T K K K K K G T Julikef90_ESTSZO R R E T A D   T L I D   N K A Q A E A L D I S Q S A V E G F T K K K K K K T T Julikef90_ESTSZO R R E T A D   T L I D   N K A Q A E A L D I S Q S A V E G F T K K K K K T T K I K K W T A K G W A K G K A L D I A S P I L G F N A H V H T T T T T T T T T T T T T T T T T	UniRef90_D6S5K8 UniRef90_C6HU27	QNTKLDELVICDVVKERPLGDSMDLEDLTPFTGSTN VHA ENGLAD VVLLDIRDGVAQGKSLDLEAGPLMGFDTRLVGT
Julikef90_ESTSZO R R E T A D   T L I D   N K A Q A E A L D I S Q S A V E G F T K K K K G T Julikef90_ESTSZO R R E T A D   T L I D   N K A Q A E A L D I S Q S A V E G F T K K K K K G T Julikef90_ESTSZO R R E T A D   T L I D   N K A Q A E A L D I S Q S A V E G F T K K K K K K T T Julikef90_ESTSZO R R E T A D   T L I D   N K A Q A E A L D I S Q S A V E G F T K K K K K T T K I K K W T A K G W A K G K A L D I A S P I L G F N A H V H T T T T T T T T T T T T T T T T T	UniRef90_UPI0001E2D173	LRGVASEVVLVDLDPALAEAHALDIAHAMPFASGTS ISH MSGLVSELVLIDANKDKAKGEALDLNHGLSF FINMSITS
Jinkef90	UniRef90_UPI0004709A16	LKEL GNVVLFDI SDGVPQGKALDI AESSPIDLINVSI I GI KEL GD VVI VDLNDGLAKGKALDI SSSPVDRFNADFVGT
Juriker90 Q67L88  Juriker90 Q77WH44  Juriker90 G77WH44  Juriker90 F6CJC3  Juriker90 F6CJC3  Juriker90 F6CJC3  Juriker90 S7Z644  Juriker90	UniRef90_J9YY42	LKKLGD VTLIDVVEGMPQGKALDLSQSAVEGFTGKLKGT RRETAD LTLIDINEGVAKGKALDIMEASPILIGFNAHVHT
JAIRE990_FGCJC3  JAIRE990_FGCJC3  JAIRE990_FGCJC3  JAIRE990_UP10004708FDE  JAIRE990_UP10004708FDE  JAIRE990_UP10004708FDE  JAIRE990_UP10004708FDE  JAIRE990_UP10004708FDE  JAIRE990_UP10003F539CD  JAIRE990_UP10003F539CD  JAIRE990_UP10003F539CD  JAIRE990_UP10003F539CD  JAIRE990_UP10003F539CD  JAIRE990_UP10003F539CD  JAIRE990_UP10003F539CD  JAIRE990_UP10003F539CD  JAIRE990_UP10003F539CD  JAIRE990_UP10003F539CD  JAIRE990_UP10003F539CD  JAIRE990_UP10003F539CD  JAIRE990_UP10003F539CD  JAIRE990_UP10003F539CD  JAIRE990_UP10003F539CD  JAIRE990_UP100031F539CD  JAIRE990_UP100031C12DD  JAIRE990_UP100031C12DD  JAIRE990_UP100031C12DD  JAIRE990_UP100031C12DD  JAIRE990_UP100031C12DD  JAIRE990_UP100031C12DD  JAIRE990_UP100031C12DD  JAIRE990_UP100031C12DD  JAIRE990_UP100031C12DD  JAIRE990_UP100031C12DD  JAIRE990_UP100031C12DD  JAIRE990_UP100031C12DD  JAIRE990_UP1000308235C3  HK D F A S E L V L V L D L V L D D V V L D D V D N R E K A E A E V L D L T H G M P L G S V F M G D P K L E Y D V L D L V L D V V L D D V V L D L T H G M P L G S V F M G D P K L E Y D V L D L V L D V V L D L	UniRef90_R6QNK9 UniRef90_Q67LB8	FQGTCDEII  A FII  DII  DH EKAIV A NCYDIV A DA CIL  FIL  GSTTKII  KIV
Jinker90	UniRef90_UPI0003D0A2B4 UniRef90_R7YWH4	I I ITIVIA G FILLI VID PK F NIVIR DA QIVIQ DII IS DA T F H G N T S T RILIR A
Juiref90_R6LQB7	UniRef90_K7Z644	ILIK DILIGD IV V LIF D NIVIE GILIP Q G K AILIDII IA E A S SII IG F S SIVIF S A A
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JAIRE190_K8EXY7 JAIRE190_E1II30 A K E L G D	UniRef90_H8FW05 UniRef90_UPI0003F539CD	L IQ G T A S DII V L VIDIL IN A KIL IA E A Q A Q DII IQ H A T P F A WA S RIVIR A
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JniRef90	UniRef90_K9WHE3	FKNILIAD IVVI LIDILVIEGMPOGILIAILIDILIMEAOPILIRNDROMILIGT
JniRef90_W2UU14 JniRef90_C0KKG7 JniRef90_C2C742 JniRef90_UP100031C12DD JniRef90_UP100038235C3 JniRef90_G2E592 JniRef90_G2E592 JniRef90_UP100038235C3 JniRef90_UP100038235C3 JniRef90_UP100038235C3 JniRef90_UP100038235C3 JniRef90_UP1000308E7671 JniRef90_UP100030E7671 JNIRef90_U	UniRef90_H9ULD2	NR GLANEMVL VDVNREKA EAEVLDITHGMP LGSTANIYA
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JniRef90_G2E592  JniRef90_E6WZW8  JniRef90_UP10002E810B2  JniRef90_UP100030EF671  JniRef90_UP100030EF671  JniRef90_D1VU56  JniRef90_B5YGI4  JniRef90_B5YGI4  JniRef90_UP100040B3677  JniRef90_UP100040B3677  JniRef90_D5DKA1  JniRef90_D5DKA1  JniRef90_B5YGG9  JniRef90_B5YGG9  JniRef90_B5YGG9  JniRef90_B5YGG9  JniRef90_D5DKA1  JniRef90_B5YGG9  JniRe	UniRef90_E2C742 UniRef90_UPI00031C12DD	II IQ GIL IS T FIL V L VID S N P DIL IA F A H R M DIL L IH A T P F A H PIVIR II IR A
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JniRef90_B5YGI4  JniRef90_B5YGI4  JniRef90_UPl00040B3677  JniRef90_D5DKA1  JniRef90_B7KGC9  JniRef90_B7KGC9  E K N L A D V V L V D I V E G M P Q G K A L D L Q N T A V I G K A N I S G T D I M D G V P Q G K A L D L A E A P V E G F N A K L S G T D I M D G V P Q G K A L D L A E A P V E G F N A K L S G T D I M D G V P Q G K A L D M L E A S P Q G F D A N I K G T D I M D G V P Q G V A L D M L E A S P Q G F D A N I K G T D I M D G V P Q G V A L D M L E A S P Q G F D A N I K G T D I M D G V P Q G V A L D M D M L E A S P Q G F D A N I K G T D I M D G V P Q G V A L D M M D G V P Q G V A R L D S R T I K I D I M D G V P Q G V A R L D S R T I K I D I M D G V P Q G V A R L D S R T I I K I D I M D I I P E K A K A P A I D C M D T I S F L P H R A I I R D D I I P E K A K A D D T I S F L P H R A I I R D D G M D T I S F L P H R A I I R D D G M D T I S F L P H R A I I R D D G M D T I S F L P H R A I I R D D G M D T I S F L P H R A I I R D G M D T I S T L P H R A I I R D G M D T I S T L P H R A I I R D G M D T I S T L P H R A I I	UniRef90_UPI0002E810B2 UniRef90_UPI00030EF671	MMGVCVSVVLHNRSLDKAEGEAWDNEDANPLLEECDILPT LKELGD IVLFDIVDGVPQGKALDLAQSSPVGFDATLSGA
JniRef90	UniRef90_I7KHN4 UniRef90_D1VU56	QNVKISELVICDVAKELTVGDAMDLEDLAPFVGPVKVV S MKGLCQEIYFVDINEKKALSQAMDINDARFYYPNDVKSYS
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Dinker   D	UniRef90_D5DKA1	QKELGD VVLVDI WDGWI QGKALDEAE AFIYIEGFNAKLSGI QKELGD VVLVDI PTNPTKGKALDMLEASPQGFDANI KGT
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N	UniRef90_D1AYS4 UniRef90_Q2IK16	A S HV V L VIDIVINK E K A K G E V L DI A H G A A F I K T C DI I S L R E L G D V V L F DI VE G L P Q G K T L DI A E A A P V G F D V S L K G T
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JniRef90_IOJW74       EKNLGD       VFLHDIIEGMPQGKALDMMESAPLLRVESKIVT         JniRef90_B4LT74       DRRLANHLVMVDLRQEWVKAEALDFLHVSSLLASPKIETC         JniRef90_C5C7D1       IRGVAREVALYDIDEPKVRAEVLDLAHGTPFTSASAMTGG         JniRef90_S2XB40       HTEWIDEVVLVDLDKNRATGQALDMMHGVGVSTSRKVTA         JniRef90_Q3J7E7       KNELCRELVLDAQEGVAQGAALDIQQSAPFDFDARVTGS         JniRef90_A07040       LKNLGD	UniRef90_UPI000413445E UniRef90_Q92BI0	NQTI OE EL IL VIDLOKERVEGNRKDILSDAAAYMPGMITVST NQKFVEEL IL VIDLNKERVEGNRKDILADAAAFMSGKMDIISV
JNIRef90_C5C7D1  I R G V A R E V A L Y D I D E P K V R A E V L D L A H G T P F T S A S A M T G G JNIRef90_S2XB40  H T E W D E V V L V D L D K N R A T G Q A L D M M H G V G V S T S R K V T A JNIRef90_Q3J7E7  JNIRef90_A07040  E N L G D V V L L D V N D G I A K G K A L D M A E S S P V G K Y N G E I G T	UniRef90_I0JW74 UniRef90_B4LT74	EKNLGD VFLHDITEGMPQGKALDMMESAPLLRVESKIVT DRRLANHLVMVDLRQEWVKAEALDFLHVSSLLASPKIETC
JNIRGISU Q3JE7 K N E L V L L D A Q E G V A Q G A A L D L Q Q S A P F D F D A R V T G S JNIRGISO Q3YS64 L K N L G D V V L L D V D G L A K G K A L D M A E S S P V G K Y N G E L G T L S L D C C A L D M A E S S P V G K Y N G E L G T L S L D C C A L D M A E S S P V G K Y N G E L G T L S L D C C A L D M A E S S P V G K Y N G E L G T L S L D C C A L D M A E S S P V G K Y N G E L G T L S L D C C A L D M A E S S P V G K Y N G E L G T L S L D C C A L D M A E S S P V G K Y N G E L G T L S L D C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L G T L D C C C A L D M A E S S P V G K Y N G E L D C C C A L D M A E S S P V G K Y N G E L D C C C A L D M A E S S P V G C C A L D	UniRef90_C5C7D1 UniRef90_S2XB40	LIR GIVIA R E IVIAL IY DII ID E P KIVIR A E IVIL IDILIA HIGT PFTS A SAMTGGGHTE WILD E IVIL VIDIL D K N RATGQAL D MM HIG VIGVSTS R KIVIT A
	UniRef90_Q3J7E7 UniRef90_Q3YS64 UniRef90_A0Z0A0	K N L L V L L D A Q E G V A Q G A A L D L Q Q S A P F D F D A R V T G S L K N L G D V V L L D V N D G I A K G K A L D M A E S S P V G K Y N G E I G T

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UniRef90_L7MRS3 UniRef90_W2UU14 UniRef90_C0KKG7 UniRef90_E2C742 UniRef90_UPI00031C12DD UniRef90_UPI00038235C3 UniRef90_G2E592 UniRef90_UPI0002E810B2 UniRef90_UPI00030EF671 UniRef90_UPI00030EF671 UniRef90_I7KHN4 UniRef90_B5YGI4 UniRef90_B5YGI4 UniRef90_B5YGI4 UniRef90_B5YGI4 UniRef90_UPI00040B3677 UniRef90_UPI00040B3677 UniRef90_UPI00040B3677 UniRef90_B5KA1 UniRef90_B7KGC9 UniRef90_R4PZ53 UniRef90_R4PZ53 UniRef90_B8SH74 UniRef90_UPRG07	N D Y S K T A D S D

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UniRef90_UPI0000DB7268 UniRef90_G4L4A6 UniRef90_UPI0003B36BF8 UniRef90_UPI00026C6F46	I P K V C K Y A P N S I L L I V T A P V D I L S Y A A M K L S G F P P H R V V G V T Q I V D S G F N G I F L V A A N P V D I L T Y A T W K F S G F P K E K V L G V T E C V K Y S P K T I L L V T N P L D V M T Y L A W K K S G F D K T Q V F G M R R T L E V A P N A V F V I V T N P C D V L T M L A H E A S G L P A E R V F A
UniRef90_UPI00046A10AD UniRef90_A0A031FVS4 UniRef90_B5E0F0 UniRef90_D5UA69 UniRef90_UPI0003F67CB6	VPKLVELSPKAIFIII CNPADVMTFAVQRIGNLEKHR <mark>C</mark> FT
UniRef90_E4U8E1 UniRef90_R6QJB5 UniRef90_R7N1E6 UniRef90_I4BD07	TEQVVKFSPDAVLIVLSNPVDAMTYVAYKASGFPKNRVIGGENLKKYAPDAFIIQVANPLDAITYVISEITGTPKNKIMGASHMQGLHIPGILISISNPADIVADYLRKQLDLPKNRCFSAENIRMSGYTGIIVNISNPADVVTHYLQHVLDWPANQIFSTPQLLEYSPDAVVLFVTNPVDVVTHYLQHVLDWPANQIFSSTPQLLEYSPDAVVLFVTNPVDVVTFAAAQAVDAAPGHLFGSEQIARSSPNALVIVVSNPLDVMCYVAKQVTGFPRERVLG
UniRef90_W0RN26 UniRef90_U1WJ42 UniRef90_R5QLQ6 UniRef90_K8GHC2	GEQIIKIYAPNSIILLVLSNPVDAMIYILEKIIGFPKNRVIG IPGLVKYAPDSIIVVLTNPVDVMTMVALQLSGFPKSRVIG TOKVMAYSPDAVIIVVTNPUDVMTVVGWKASGIPPNRVMG
UniRef90_Q1GQY3 UniRef90_M1URB5 UniRef90_Y5PGV5 UniRef90_K7T117 UniRef90_A0A059FMB7	GEGIKANAPDAFVICITNPLDAMVWALREFSGLPHSKVVGIPPLVQYSPNTILLVVSNPVDLLTHLAWQMSGLPRERVIGUKVIAHGFDGYFVLPSNPVDLLTHLAWQMSGLPRERVIGUKVIAHGFDGYFVLPSNPVDLMSYVIKRVSQFPKNKIIGMEGIAKYSPNALVILVSNPLDAMTVVALKESGFDRSRVIGGEGLKANCPDAFVICITNPLDAMVWALQQFSGFKTNKVVGVPPLVKYSPETLLIIVSNPCDLLAHVAWKTSQLPLERVFA
UniRef90_W8BWE1 UniRef90_UPI0003662A10 UniRef90_D5V1Z2 UniRef90_UPI00036AE82A	GKGIKDNCPKAFVICIINPLDAMVGVLQRASGLPINMVVG VKDIEEQAPNAIIIVVSNPLDVMVYTALKVSNFSKNQIIG ALQUAKYAPNSLVITVTNPMDVMTYTTYKLTGFPKFRVIG
UniRef90_UPI0002DC1C10 UniRef90_UPI000366E4E1 UniRef90_UPI00037282C3 UniRef90_D6S5K8 UniRef90_C6HU27	AKKAI AYSPDAI YI VVI NPLDVMI YLAWQAI GLIPODRI MG ISEVLKYNDDGILL LATNPVDI MSYFSLKKG WPLNRVI G
UniRef90_UPI000372670D UniRef90_UPI0001E2D173 UniRef90_I7JAW4 UniRef90_UPI0004709A16	VGEIMRVCPDAILLVASNPVDIMTQVARVYSGLPAQRVIG VPKIMKNYNGGVLLVVSKPVDILTYVVQKLSGLPENKVIG GENIKKYSPNAFVIVVTNPLDAMVSVVHKYSGLSTNMIVG GEGIKKYAPNSFVICITNPLDAMVWVLREKCGLPHNKVVG
UniRef90_I4CAM1 UniRef90_J9YY42 UniRef90_E8T5Z0 UniRef90_R6QNK9	ALDIKKHSPKAFVI CITNPLDAMVYV LQKYSKLPKNMCVG SEQUKKYSPDAFVI VVTNPLDAMVYTALKVTGFPKNKVMG
UniRef90_Q67LB8 UniRef90_UPI0003D0A2B4 UniRef90_R7YWH4 UniRef90_F6CJC3 UniRef90_K7Z644	I P N V V K H S P D C K L L V V S N P V D I L I Y V A W K I S G F P K H R V I G I E D M K P F A K D T V L L L V A N P V D V L T Y F A Q K F A G L P R E Q V I G L V R L L P L E E H G V F L M V T N P V D I L T Y A A L R L T N L P P N R V I G G F G I K F N C P F A L V I C L T N P L D A M V G L L O T Y S G L A K N K V I G
UniRef90_UPI0004708FDE UniRef90_R6LQB7 UniRef90_D5RI56 UniRef90_H8FW05	ARNVRDNGFKGI IVI ASNPVDI I I WVYI KEI GEDPKKVI G TPQI VKVAPNALYI IVSNPVDVLTYVFHKLSGLPERQI I G AEGI KTYAPNAFVI <mark>CI</mark> LTNPLDVMVWVLQOKSGLPPEKVVG
UniRef90_UPI0003F539CD UniRef90_W6A658 UniRef90_K8EXY7 UniRef90_E1II30 UniRef90_K9WHE3	VPAVLDNAPDAVLLVASNPVDVVTDIVARLSRLPPGRVFG TEQVIAHSPDAIIIVVSNPLDVMTYAAHVTSKKSRNKVIG ASEIKKSGFNGITVIASNPVDVLTHVYQKVTGYPANKVIS VPKIIASGFKGIFVNITNPCDVITMLIQKLSGFDHSRVFG ISKAAPLSPNAVIIMVNNPLDAMTYVAAEASGFPKERVIG SEKAIAQSPNAIFILVSNPLDVVTYLSWKTTQLPPSRVMG
UniRef90_E6W399 UniRef90_H9ULD2 UniRef90_L7MRS3 UniRef90_W2UU14	VG DL MASGFGGVIL VVT NPV DV LT FVAYRESGLPAHQVIG
UniRef90_C0KKG7 UniRef90_E2C742 UniRef90_UPI00031C12DD UniRef90_UPI00038235C3 UniRef90_G2E592	NVVKYSPNCKLLVVSNPVDILTYVAWKISGFPKNRVIG TESLLAHSPNALIIVVSNPMDTMTYLAHKVTDLPKNRIIG GAAIKSYCPNAFVINITNPLDVMVAALQESSGLPHHRICG IPPLVSYSPNAVYVVVSNPVDILSWIIWKLSGLPTHQVIG VPEIVRHAGNPILLVASNPLDIMTHLATALSGLPPSRVLG TKSIMEYSPNPLIIIVSNPLDVMTYAAHTASGLDRSRVFG TDHIMAYAPETMVLMVSNPLDVMTYVAAHTASGLDRSRVFG VTDIREQAPDSIIIMVSNPLDVMTYVALKESGFPKERVVG LKELDRVAPNAVLIIISNPVDVLTRIALKASNRPENLIIG GAGVKQYAPNAVLIIISNPVDVLTRIALKASNRPENLIIG
UniRef90_E6WZW8 UniRef90_UPI0002E810B2 UniRef90_UPI00030EF671 UniRef90_I7KHN4	VT DI REQAPDSI I MV SNPLDVMT YVALKESGFPKERVVG I KELDRVAPNAVLI I SNPVDVLTRI AIKASNRPENLI I G GAGVKQYAPGAFVI CITNPLDVMVWALQKASGLPANRVVG VKPI VDSGFKGI FVVSANPVDI LTTLTQKLSGFPKNRVI G
UniRef90_D1VU56 UniRef90_B5YGI4 UniRef90_I3XWY6 UniRef90_UPI00040B3677 UniRef90_D5DKA1	VKPIVDSGFKGIFVVSANPVDILTTLTQKLSGFPKNRVIGTKRIVDSGFKGIFIVVSNPCDIMAYLVKKVSGFESSRVIGVNKLAPICPDTNYIVVTNPMDVMAYVTMVISGTKRQKVLGVEQLKTYAPEAIVITVSNPLDAHTYVAQKVGNYPRNRVIGGAGIAKYAPKAFVICITNPLDAMVWALQKFSGLPAHMVVGSENVKKHAPNSYIIVLSNPVDAMTYVCYKTTGFPKNRVIG
UniRef90_B7KGC9 UniRef90_R4PZ53 UniRef90_E8SH74 UniRef90_Q8RED8	V N K L A P L C P D T N Y I V V T N P M D V M A Y V T M V I S G T K R Q K V L G V E Q L K T Y A P E A L V I T V S N P L D A L T Y V A Q K V G N Y P R N R V I G G A G I A K Y A P K A F V I C I T N P L D A M V W A L Q K F S G L P A H M V V G S E N V K K H A P N S Y I I V L S N P V D A M T Y V C Y K T T G F P K N R V I G A Q K A I K Y S P N A I F I V L T N P L D V M T Y L T W K A T G L P S Q R V M G A P K V K A T K F N G V V I D T M N P C D A II T H Y F Q R A T G L S R Q Q V F G V P K M T A Y S P N A K I V T V S N P V D I L A Y T T Y Q I S G K A P S D V I G V P D V V K A G F N G I F V T I T N P V D L V T Y F V R E L S G F P K N R V I G T E G I K T Y A P D S T I I V L T N P V D A M T Y A V Y K L S G F P S H K V I G A E G I K Q Y A P N A F V I V I S N P V D V L S W T G R I T G F P H N R V V G L P E L L A V A P D A T Y V M V T N P V D I V T Y A A L K I S G L P P T Q L F G
UniRef90_U7PG07 UniRef90_D1AYS4 UniRef90_Q2IK16 UniRef90_D1BJ26 UniRef90_UPl000258EE37	TEGIKTYAPDSTIIVLTNPVDAMTYAVYKLSGFPKNRVLG IPQVTRYSHNAVLVIASNPVDVLSWVAYKLSGFPSHKVIG AEGIKQYAPNAFVIVISNPLDAMVTLCQRITGFPHNRVVG LPELLAVAPDATYVMVTNPVDIVTYAALKISGLPPTQLFG
UniRef90_DFI000256E57 UniRef90_B5QJG1 UniRef90_UPI000413445E UniRef90_Q92BI0 UniRef90_I0JW74	A E G I K Q Y A P N A F V I V I S N P L D A M V T L C Q R I T G F P H N R V V G L P E L L A V A P D A T Y V M V T N P V D I V T Y A A L K I S G L P P T Q L F G V P P L V N Y S P N A V F L I V S N P V D I L A W V T W R V S G L P A N Q V I G T H N I M A S G F N G F I L V A S N P V D V L A E L V L E E S G L P R N Q V L G V P P M M E N G F N G I F L I A T N P C D I I T W Q V W K L S G L P R G Q V L G V P E M M K G G F K G I F L I A T N P C D I I T Y Q V W K L S G L P R E Q V L G A E N I A R F S K N P I V I V V S N P V D V L T Y L V A L K T K L P K N R V M G V P K L V E S S P D A T Y V I S S N P A D V M T W A V R K M S G L P K E R C I S L P Q V Q A H A P D A L V V L V T N P V D V L T L V A Q R L T G L P A G R V I G V P Q I V N Y S P K T K I I T V S N P V D I L A Y M T Y Q V A T I P A A N V I G M N N V M R F A P Q S L V M I V T N P V D V L T Y H A W R H C G W D R A R V F G A D N I G K Y A P N A F V V V V T N P L D V M T Y I A W Q V T Q L A S F R I M G
UniRef90_B4LT74 UniRef90_C5C7D1 UniRef90_S2XB40 UniRef90_Q3J7E7	V P K L VE S S P D A T Y V I S S N P A D V M T WAVR K M S G L P K E R C I S L P Q V Q A H A P D A L V V L V T N P V D V L T L V A Q R L T G L P A G R V I G V P Q I V N Y S P K T K I I T V S N P V D I L A Y M T Y Q V A T I P A A N V I G M N N V M R F A P Q S L V M I V T N P V D V L T Y H A W R H C G W D R A R V F G
UniRef90_Q3YS64 UniRef90_A0Z0A0	A K E A I T Y S P N A T L I I V T N P L D V M T Y I A W Q V T Q L A S F R I M G

JAMESSO, PUDOUGO BORZOS  JAMESSO, PUDOUGO BORZ		470 400 400 200
JAINGEROU UP10002866F46 JAINGEROU UP10002866F46 JAINGEROU UP10002866F46 JAINGEROU UP10002866F46 JAINGEROU UP10002866F46 JAINGEROU UP100046A10AD JAINGEROU DAOA031FVSA JAINGEROU DAOA031FVSA JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP1003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP1003F67C86 JAINGEROU UP1003F67C86 JAINGEROU UP1003F67C86 JAINGEROU UP1003F67C86 JAINGEROU UP1003F67C86 JAI	UniRef90_UPI000478C0AF	MAGIVI DSARERTEILIAEEILINIVISIVIENIVITAEIVI IGGHGDT MIVIPILI
JAINGEROU UP10002866F46 JAINGEROU UP10002866F46 JAINGEROU UP10002866F46 JAINGEROU UP10002866F46 JAINGEROU UP10002866F46 JAINGEROU UP100046A10AD JAINGEROU DAOA031FVSA JAINGEROU DAOA031FVSA JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP1003F67C86 JAINGEROU UP10003F67C86 JAINGEROU UP1003F67C86 JAINGEROU UP1003F67C86 JAINGEROU UP1003F67C86 JAINGEROU UP1003F67C86 JAINGEROU UP1003F67C86 JAI		Q S G V L  D T A R F R A F  V  A E E  L  D  V  S  V  K D  V  T G F  V L  G G H G D E M  V  P  L    L  G T F  L  D S C R F Q Y F  L  A Q K  L  G L  S A S S  V  Q A S  V L   C F N G P T S  V  P  L
JniRef90	UniRef90_G4L4A6	TGTSLDSARFRQALAGEMDVDARNVHAYI LGEHGDSEFPV
JniRef90		MAGELDSARYAYFLSEEAK <mark>C</mark> APNEVEAMVLGGHGDQM <u>VP</u> V SGTVLDTSRIRWELARRTGVAPTSVHAQUVGFHGDTFFPL
JniRef90	UniRef90_UPI00046A10AD	QSGVLDTARFRTFVAQELNVSVEDVTGFVLGGHGDDMVPL
JniRef90		SGTVLDTSRLRWKILIA QRAGIVISTSSIVIHAYII VIGEHGDTEFPH TGCHILDTARFRYII I AKRII KIVIPTSAIVINAYII I IGEHGSSAIVIPIVI
JniRef90	UniRef90_D5UA69	T S T T L D S A R L R R A I S E A I N I D Q K S I Y A Y A L G E H G E S Q M V A
JniRef90		MAGIVLID TARFRTFIVIA E ELISIVIS VIEDIVIS GFVLIGIVIA GID DIMIVIPILI MAGIVLID S S R Y R H F II. IA E A L IGIVIS VIK DIVIQ GIL V L IG G H G D T MIVIPILI
JniRef90	UniRef90_R6QJB5	T G T S L D S C R L R R L L S Q K M H L D R S S I Q A F V M G E H G D S Q M I P
JniRef90	UniRef90_I4BD07	S G T V L D S A R L R R A L A D R T G I D Q R S I Y A Y A L G E H G E S Q M V P S G T V L D S S R F R F L I A E R A D L A V G N V H G F I V G E H G D S E I P L
JniRef90	UniRef90_W0RN26	MAGVLDTARYRAFLAEAMDVSVRDIQAMVLGGHGDTMVPL
JniRef90	UniRef90_U1WJ42 UniRef90_R5QLQ6	S G T V L D T A R F R T F IV IA MEL IN M S IV R D IV I G F IV L G G H G D T M V IP L S G T V L D T A R F R S IL L A K Y L D I S P Q S L H A L V L G E H G D S A V V IS
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Jnirkef90	UniRef90_Y5PGV5	S G T S L D T A R F E F F L   S R T F D V A P Q N V Y A P V L G E H G D S Q V A V L M A G V L D S S R M A A F L D F K L G Y G G G D L R A S V M G G H G D D M V P L
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Jimicel   Jimi	UniRef90_R7YWH4	S G T F L D S A R L R G M L A E K A D V A A S S I D A Y V L G E H G E S Q F V A S G T V L D S S R E R Y L L S O Y C O V E P R N L H A Y V V G E H G D T E V P L
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Jinikerison Diskiss		S G T   L   D T S R   L   R F   L   G Q K T G   V   S T S S     E A F   V   L   G E H G D S S   L V   N S G T   L   D T S R   L   Q S   V   L   A K R F R   L   S P K N   V   H A H   V   Y G E H G D S S F   V   P
JAIRRE90_UP00003F539CD  M A G I L D S A R F R A L L A E A L L I S P K S I Q A IV L M G E H G D S M V P L JAIRRE90_W6A658  S G T T L D S S R L R K L L G E K L G V A P R S V K A Y L L G E H G D S S V A L JAIRRE90_K6A658  S G T T L D S S R L R K L L G E K L G V A P R S V K A Y L L G E H G D S S V A L JAIRRE90_E1130  JAIRRE90_E1130  Q A G V L D S A R F R T F I A M E L G V S V E D I Q A M L M G G H G D E M V P L JAIRRE90_E1130  Q A G V L D S A R F R T F I A M E L G V S V E D I Q A M L M G G H G D E M V P L JAIRRE90_E6W399  M A G V L D S A R F R T F I A M E L G V S V E D I Q A M L M G G H G D E M V P L JAIRRE90_E6W399  M A G V L D S A R F R T F I A M E L G V S V E D I Q A M V L G G H G D T M V P L JAIRRE90_L7MRS3  S G C N L D S A R F R T F I A W E L G V S V E D I Q A M V L G G H G D T M V P L JAIRRE90_L7MRS3  S G C N L D S A R F R T F I A W E L G V S V E D I Q A M V L G G H G D T M V P L JAIRRE90_L7MRS3  S G C N L D S A R F R T F I A W E L G V S V E D I Q A M V L G G H G D T M V P L JAIRRE90_L7MRS3  S G C N L D S A R F R T F I A W E L G V S V E D V N A M V L G G H G D T M V P L JAIRRE90_L7MRS3  S G C N L D S A R F R T Y E M G E R L G V H P L S C H G W I L G E H G D S S V P V JAIRRE90_L7MRS3  S G C N L D S A R F R T Y E M A E A L L G V M P L S C H G W I L G E H G D S S V P V V M M G G H G D D M V P L JAIRRE90_L7MRS3  S G C N L D S A R F R T Y E M A E A L L G V M P L S C H G W I L G E H G D T M V P L JAIRRE90_L7MRS3  S G C N L D S A R F R T Y E M A E A L G V M P L S C H G W I L G E H G D T M V P L JAIRRE90_L7MRS40_L7	UniRef90_D5RI56	MAGVLDSARFRLFLAEEFGVSVEDVTAFVLGGHGDTMVPL
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JiliRef90 _E1JiS0	UniRef90_W6A658	S G T T L D S S R L R K L L G E K L G V A P R S V K A Y L L G E H G D S S V A I L G T S L D T A R M R R V V G E A L H L N P K S V E G Y V L G E H G E S O E V A
JniRef90	UniRef90_E1II30	Q A GV L D S A R Y R T FI A M E A GV S V E D I Q A M L M G G H G D E M V P L
JiliRei90_H9UL02  S G T V L D S A R L R T F L S R S C S V N P Q N V H C V V L G E H G D S S V P A JIIREi90_L7MRS3  S G C N L D S A R F R Y L M G E R L G V H P L S C H G W V L G E H G D S S V P V JIIREi90_W2UU14  M G G A L D S A R F R Y R L A E A L G A P L S D V D G M V L G G H G D S S V P V JIIREi90_W2UU14  M G G A L D S A R F R Y R L A E A L G A P L S D V D G M V L G G H G D S S V P V JIIREi90_W2UU14  M A G M L D S S R F R R M II A D K L E V S P R D V D G M V L G G H G D H M V P L JIIREi90_UP100031C12DD  JIIREi90_UP100031C12DD  JIIREi90_UP100031C12DD  JIIREi90_UP100031C12DD  JIIREi90_UP100032835C3  M A G I L D T A R F R S L L A E R F R V S P S S A H A Y V P G E H G D S E V L L JIIREi90_UP100038235C3  M A G I L D S A R M A S F I A Q E T G F S A R D I T T M V L G G H G D T M V P V D JIIREi90_UP100030EF671  JIIREi90_UP100002E81082  S G T V L D T A R V R A F L S T A L D V S P K D I Q A A L L L G G H G D T M V P V D D A S R M A S F I A Q E T G F S A R D I T T M V L G G H G D D M V P L JIIREi90_UP100030EF671  JIIREi90_UP100030EF671  M A G V L D S S R A N S L L S K I T G I S A K S I N A F V L G G H G D D M V P L JIIREi90_UP100040B3677  JIIREi90_UP100040B3677  M A G I L D S S R A N S L L S K I T G I S A K S I N A I V M G E H G E S Q F I P J M J M G I L D S S R M F R Y F L S D E F G V S V E D V S A F V L G G H G D D M V P L J J M J M G I L D S S R M E T F I S E L S E F K V S V E D V S A F V L G G H G D D M V P L J M J M G I L D S S R M S T I A R M G V L D S S R M S L S K I T G I S A K S I N A I V M G E H G E S Q F I P J M G M G I L D S S R M E T F I S E L G V S V E D V S A F V L G G H G D D M V P L J M R M G V L D S S R A N S L L S K I T G I S A K S I N A I V M G E H G E S Q F I P D M G M G I L D S S R M E T F I S E L G V S V E D V S A F V L G G H G D D M V P L J M R M G V L D S S R M E T F I S E L G V S V E D V S G F V L G G H G D D M V P L J M R M G V L D S S R M E T F I S E L G V S V E D V S G F V L G G H G D D M V P L J M R M G V L D S S R M E T F I S E L G V S V E D V S G F V L G G H G D D M V P L J M R M G V L D	UniRef90_K9WHE3	MAGIVLIDSARFQTFII AMELLIGIVIS PRDIVINAL VLIGGHGD TMVPL
JAINERIO LO LO LO LO LO LO LO LO LO LO LO LO LO	UniRef90_H9ULD2	S G T V I D S A R L R T F L S R S C S I N P Q N V H G Y V I G E H G D T S F P A
JAIRE990_E2C742  JAIRE990_UP100031C12DD JAIRE990_UP100038235C3 JAIRE990_UP100038235C3 JAIRE990_UP100038235C3 JAIRE990_UP100038235C3 JAIRE990_UP100038235C3 JAIRE990_UP100038235C3 JAIRE990_UP100028810B2  QA GV L D A S R MA S FI L S T A LLD VS P S S A H A Y V P G G H G D T M V P L J J AIRE990_UP100028810B2  MA G G L D S A R M A H FI L S T A LLD VS P S S A H A Y V M G G H G D D M V P L J J AIRE990_UP100030EF671  JAIRE990_UP100030EF671  JAIRE990_UP100030EF671  JAIRE990_UP100030EF671  JAIRE990_UP100030EF671  JAIRE990_UP100040E810B2  A G T A L D S A R F R Y F L S E F F K V S V W G G H G D D M V P L J J W G G H G D D M V P L J W G G H G D G W G W G W G W G W G W G W G W G W	UniRef90_L/MRS3 UniRef90_W2UU14	M G G A L D S A R F K Y R L A E A L G A P L S D V D G M V L G G H S D T M L P L
Juriker90	UniRef90_C0KKG7	MAGMLDSSRFRRMI ADKLEVSPRDVQGMVI GVHGDHMVPL
JAIRE190_UP100038235C3	UniRef90_UPI00031C12DD	S G T ML D T A R F R S L L A E R F R V S P S S A H A Y V P G E H G D S E V L I
JniRef90	UniRef90_UPI00038235C3 UniRef90_G2F592	MAGIL LDTARYRAFIL STALLDVSPKDII QALL LIGGHGDTMVPL QAGVIDASRMASFILAOFTGESARDII TTMV I GGHGDTMVPV
JNIRef90_UP100030EF671  JniRef90_IVL00030EF671  M A G V L D S A R F R Y F L S E E F K V S V E D V S A F V L G E H G D T S F E N J S V E D V S A F V L G G H G D D M V P S A G T A L D S S R A N S L L S K L T G A N L D N V D A Y V L G E H G D T S F E N J S V E D V S A F V L G G H G D D M V P L J J R R R Y G D J M V P L J J A R L R V A L A K K T G A N L D N V D A Y V L G E H G D T S F E N J S V E D V S A F V L G G H G D D M V P L J J R R R Y G D J M V P L D J A R G V L D S S R A N S L L S K L T G L S A K S L N A L V M G E H G E S Q F L P M G G L D S S R A N S L L S K L T G L S A K S L N A L V M G E H G D D M V P L J J R R R Y G D D M V P L D J R R R Y G D D M V P L J J R R R Y G D D M V P L J J R R R Y G D D M V P L J J R R R Y G D D M V P L J J R R R Y G D D M V P L J J R R R Y G D D M V P L J J R R R Y G D D M V P L J J R R R Y G D D M V P L J J R R R Y G D D M V P L J J R R R Y G D D M V P L J J R R R Y G D D M V P L J J R R R Y G D D M V P L J J R R R Y G D D M V P L J R R M G V L D S S R R L R F R Y F L S D E F G V S V E D V S G F V L G G H G D D M V P L J J R R R Y G D D M V P L J A R R M G V L D S S R R L R F R Y F L S D E F G V S V E D V S G F V L G G H G D D M V P L J J R R R Y G D D M V P L J A R M G V L D S S R R L R F R Y F L S D E F G V S V E D V S G F V L G G H G D D M V P L J J R R R Y G D D M V P L J S D Y F N V S G F V L G G H G D D M V P L J J R R R Y G D T A R Y R T F L A E A F D C D P K N V S G Y V Y G E H G D S Q Y V L J J R R R Y G D T A R Y R T F L A E A F D C D P K N V S G Y V Y G E H G D S Q Y V L J J R R R Y G D T A R Y R T F L A E A L D V A R T D V V G E H G D S G V V L J J R R R Y G D T A R Y R T F L A E A L D V A R N V H A Y M A G E H G D T M V P L J J R R R Y G D T A R Y R T F L A E R T L A E F D L D A R N V H A Y M A G E H G D S E F P V J J R R R Y G D T T R L R R T L A E F L E L G D A R N V H A Y M A G E H G D S G P V L J R R R Y Y L A E F D L D A R N V H A Y M A G E H G D S G P V L J R R R Y Y L A E F L E L G L A R V V L G G H G D T M V P L G G H G D T M V P L G G H G D T M V P L G	UniRef90_G2E392 UniRef90_E6WZW8	MAGILDSARMAHFIYEKIRYGAGQLRASVMGGHGDDMVPL
JniRef90_I7KHN4 JniRef90_D1VU56 JniRef90_B5YGI4 JniRef90_B5YGI4 JniRef90_D1VU56 JniRef90_D5VKGI4 JniRef90_D5DKA1 JniRef90_D5DKA1 JniRef90_D5DKA1 JniRef90_B5KGC9 JniRef90_B5KGC9 JniRef90_B5KGC9 JniRef90_B5KGC9 JniRef90_B5KGC9 JniRef90_Q3KBED8 JniRef90_Q3KBED8 JniRef90_U7PG07 JniRef90_U7	UniRef90_UPI0002E810B2 UniRef90_UPI00030EF671	S G I   V L   D I A R   V   U   Y   Q   L   A K   L   V   N   V   S   K   Q   D   A N   V   Y   V   I   G   E   H   G N   T   S   L   I   V   M   A   G   V L   D   S   A   F   R   Y   F   L   S   E   E   F   K   V   S   V   E   D   V   S   A   F   V   L   G   G   H   G   D   D   M   V   P   S   S   V   E   D   V   S   A   F   V   L   G   G   H   G   D   D   M   V   P   S   T   T   T   T   T   T   T   T   T
Juiriefigo_ B5YGI4  Juiriefigo_ B5YGI4  Juiriefigo_ UP100040B3677  Juiriefigo_ UP100040B3677  Juiriefigo_ D5DKA1  MA G I L D S S R F R Y F L S D E F G V S P K D I E T T V L G G H G D D M V P L I J J L D S S R J R S S R J R S S R S S S S S S S	UniRef90_I7KHN4	T G T S L D T A R L R VA L A K K T G A N L D N V D A Y V L G E H G D T S F E N
JniRef90_I3XWY6 JniRef90_UP100040B3677 JniRef90_D5DKA1 JniRef90_D5DKA1 JniRef90_B7KGC9 JniRef90_B7KGC9 JniRef90_R4PZ53 JniRef90_R4PZ53 JniRef90_Q8RED8 JniRef90_Q8RED8 JniRef90_UP1000258EE37 JniRef90_D1AYS4 JniRef90_D1AYS4 JniRef90_D1BJ26 JniRef90_UP1000258EE37 JniRef90_UP1000258EE37 JniRef90_UP1000258EE37 JniRef90_UP1000413445E JniRef90_Q92BI0 JniRef90_O3J767 JniRef90_G3ZXB40 JniRef90_S2XB40 JniRef90_C3ZYS64 JniRef90_C3ZYS64 JniRef90_Q3JYS64 JniRef90_Q3JYS64 JniRef90_Q3JYS64 JniRef90_Q3JYS64 JniRef90_Q3JYS64 JniRef90_Q3JYS64 JniRef90_Q3JYS64 JniRef90_Q3JYS64 JniRef90_Q3YS64 JniRef90_	UniRef90_B5YGI4	MGGILDSSRFKTFISMELGVSPKDIETTVLGGHGLYMVPL
JniRef90_B7KGC9 JniRef90_R4PZ53 JniRef90_C8BSH74 JniRef90_U7PG07 JNIPG00_U7PG07 JNI	UniRef90_I3XWY6	MAGILDSSRMETFISEKLGFGYGQVTASVMGGHGDDMVPL
JniRef90_B7KGC9 JniRef90_R4PZ53 JniRef90_E8SH74 JniRef90_Q8RED8 JniRef90_U7PG07 JniRef90_D1AYS4 JniRef90_D1BJ26 JniRef90_UP1000258EE37 JniRef90_UP1000258EE37 JniRef90_UP1000413445E JniRef90_UP1000413445E JniRef90_UP1000413445E JniRef90_B5QJG1 JniRef90_B5QJG1 JniRef90_B5QJG1 JniRef90_B5QJG1 JniRef90_B5QJG1 JniRef90_B5QJG1 JniRef90_B5QJG1 JniRef90_UP1000413445E JniRef90_B5QJG1 JniR	UniRef90_D5DKA1	QS GV L D T A R F N T F V A Q E L N I S V E D V S G F V L G G H G D D M V P L
JniRef90_E8SH74	UniRef90_B7KGC9 UniRef90_R4PZ53	MAGIVLIDSSRILIQTFII IAMEILIGIVI <mark>C</mark> SADIVISTMIVLIGGHGDILIMILIPIV TGTFILIDTARMOKIVVAFAFD <mark>C</mark> DPKNIVISGYVIVGFHGFSOFSA
JNIRE190_U7PG07 JNIRE190_U7PG0	UniRef90_E8SH74	EGTELDTSREKYLLSDYFNVSPKSI EATVVGEHGDSQVVL
JniRef90_D1AYS4  T G T V L D T S R L R Y Y L A E E F D L D A R N V H A Y I I G E H G D S E F P V J J N R R R Q V L D S A R F A A F I A W E L G V S V K D V T A V T L G G H G D D M V P L S G T V L D S S R L R F L I A Q H G V A V Q N V H A Y M A G E H G D S E I P L J A P S A V Q A Y I V G E H G D S Q V P L J N R R P Q Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L G E H G D S Q F P V J J N R R P Q B Q S J D A F I L Q B E H G D S Q F P V J D S A R P R P Q B Q S J D A F I L Q B E H G D A Q V V L D S A R P R P Q B Q S J D A F I L Q B E H G D A Q V V L D S A R P R P Q B Q S J D A F I L Q B E H G D A Q V V L D S A R P R P Q B P L A R P L A R E L A R E F D A D V R A T V L G S H G D L M L P L D T R L R R T L A R T L A R R T	UniRef90_Q8RED8 UniRef90_U7PG07	
JniRef90_UPl000258E37  JniRef90_UPl000258E37  JniRef90_UPl000258E37  JniRef90_UPl000413445E  JNIRef90_UPl000413445E  JNIRef90_	UniRef90_D1AYS4	T G T V L D T S R L R Y Y L A E E F D L D A R N V H A Y L I G E H G D S E F P V I
JniRef90_UP1000258EE37	UniRef90_Q2IK16 UniRef90_D1BJ26	SGTVLDSARFAAFII AWELIGIVISIVIK DIVITAVI LIGGHGDDMIVIPIL SGTVLDSSRLRFLI AQHCGVAVQNIVIHAYMAGEHGDSEII PILI
JniRef90_UP1000413445E  JniRef90_UP2000413445E	UniRef90_UPI000258EE37	S G T H L D S A R F R Y L I A D R L E I A P S A V Q A Y I V G E H G D S Q V P L S G T A L D S A R L R S E I G L P Y N V D A P L V L G Y L M G E L G D S E E P V
JNIREF90_U92BI0	UniRef90_UPI000413445E	T GVWLDTTRLRRTLAETLEN GPQSI DAFN LGENGDSQFPV
Dinker   Disk	UniRef90_Q92BI0 UniRef90_I0.IW74	T GV WL D T T RL R RL L A E K L DI A A Q S I D A F I L G E H G D S Q F P V M A G V L D S A R E R Y F I L A S F I G I A P O F V O A M V L G G H G D E M V D I
JNIRE19U_C5C/D1	UniRef90_B4LT74	CGCHLDSCRFRYFLAQRLGVAASEVNAFIIVGEHGDSSVPV
JniRef90_Q3J7E7  QÃGVLDSARMASFIAGETGLSVKDISÄMVLGGHGDTMLPL JniRef90_Q3YS64  MAGILDSARFSYFIAKELNVSVDNVNSLVLGGHGDLMLPL JniRef90_A070A0  MAGVLDSARFQAFIAMFINVSVADVHATVLGSHGDLMVPL	UniRef90_C5C7D1 UniRef90_S2XB40	SGILLIDTSRLIRWILLASRAQIVIHASSIVIHAAII LIGEHGDTEFPA
JNIKEIYU_Q3YSO4 MAGILIDSAKESYEJIJAKEJLINIVISIVIDNIVINSLVLIGGHGDLMILIPL JNIKEIYU_Q3YSO4 MAGVIDSAREQAEIIJAMEIINIVISIVIADIVI <mark>H</mark> ATIVIJGSHGDIJMIVIDIJ	UniRef90_Q3J7E7	QÃ GV L D SÃ R MÃ S FI LÃ G E T GL SV K DI ISÃ MV L G G H G D T ML PL
	UniRef90_Q3YS64 UniRef90_A0Z0A0	MAGILIDSARFSYFII   AKEILINIVISIVIDNIVINSLVLIGGHGDILIMILIPIL MAGIVI DSARFQAFII   AMFILINIVISIVIADIVIHATIVI IGSHGDILIMIVIDILI

UniRef90_UPI000478C0AF UniRef90_F7Z042	210 220 230 240  ARYSTVAGI   P   I   T E   L I   E	
UniRef90_UPI0000DB7268 UniRef90_G4L4A6 UniRef90_UPI0003B36BF8 UniRef90_UPI00026C6F46	WS AVT VMGI KL K DI NK DI G T K A D P E S WG E L H A K V I D C D N D	
UniRef90_UPI00046A10AD UniRef90_A0A031FVS4 UniRef90_B5E0F0 UniRef90_D5UA69 UniRef90_UPI0003F67CB6	PEYTKI KGEPI TEVVK  KEKI DAI NQRTQDGGAE WSAARI HSVPI LEWRAEDGAQRFTEELDRI AVDVRDAAYK VRYSYAGGI PLEKLIP QERLEAI VERTRKGGGE WSRATI GTVPI LDWQPLDGQPKFTEELDRI AVDVRDAAYT WSSVTVGGI RLSDVVKDLGTDKDQEKWSDLMDGI LNAGVH WSSVTVGGI PLEKL LP KDRI DAI VERTRKGGGE IRYSYVGGI PLEKL LP KDRI DAI VERTRKGGGE PRFTWVGGAPLPDVMP ADQI EAI VERTRKGGGE FSAVHI SGKPL LQWMKDDTVRYGKLDL VQI EEETANAGHE	
UniRef90_E4U8E1 UniRef90_R6QJB5 UniRef90_R7N1E6 UniRef90_I4BD07		
UniRef90_W0RN26 UniRef90_U1WJ42 UniRef90_R5QLQ6 UniRef90_K8GHC2	WSSACVGATCUEFFAAGUGRPUTSFUKAHUAFDVVOUAYR	
UniRef90_Q1GQY3 UniRef90_M1URB5 UniRef90_Y5PGV5 UniRef90_AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	PRYSTVNGI PI NRFILDDAAI ARL VNRTRNGGAE VRYSTVNGI PVPDLVKM GLSSQDKI DAI VKRTRGGGGE RSGITVGGVPLRTCFERMTDTAFYDLVKGVHQQVVAAAYE WSHAQI AGEPVLDLL NKGVDQTTFKQSI ASQTTQVGYD PRYSTVAGVPLSDVLS VRHSTVGGLPLPELVKQGWMTQADL DGI VDRTRKGGGE WSAVISVGGI RFRDLSKCAGAEGDTDQWHEVHNQVVKAAYE	
UniRef90_A0A059FMB7 UniRef90_W8BWE1 UniRef90_UPI0003662A10 UniRef90_D5V1Z2 UniRef90_UPI00036AE82A	ARYSAVAGII PVPDLVKMGWSTQ EKIIDQII VQRTRDGGAE PNFSTVAGIVHLSE <u>VL</u> SSQDII ARESYVGGII RVSD	
UniRef90_UPI0002DC1C10 UniRef90_UPI000366E4E1 UniRef90_UPI00037282C3 UniRef90_D6S5K8	WSLANVAG AKVELDEATKDKVEVETRDAAYS VRYSSVGGUPUETULP KERUAEUVQRTRVGGGE	
UniRef90_C6HU27 UniRef90_UPI000372670D UniRef90_UPI0001E2D173 UniRef90_I7JAW4 UniRef90_UPI0004709A16	FDEATVAGKTLTSYSAMSADVLTAIESD VRKKGGE LDFSTLAGVPVRKIIP SDRLEAIVTRTRNGGAE WSGARAGTVPLALFGAQIGAPITEAVRTEIDDKTRNAAYA WSATNIAGQKYDDFCALCTKKCGNAERVRIFNEVKNAGAK INCASVAGIPLTQIIDMGLITQ EKVDEIVKRTRNGGKE TRYSAVAGIPVPDLIEMGWSTQ EKIDEIVDRTRNGGAE	
UniRef90_I4CAM1 UniRef90_J9YY42 UniRef90_E8T5Z0 UniRef90_R6QNK9	WSLLSVGALPLEEFCRVR CDVDKELKETIEYRVKKAAYK VNYTTIGGIPLMDYIKTKKVPSS KIQQIVDRTRMGGGE RKFTTVAGMPVTKFLS KEELEEVIQRTRFGGGE FSTLTLGGKNYKELQEAKPEKYSKLTEDFVLERTRYIGYD VRYTSAGGIPVEKLLP KETIDAI VERTRKGGGE WSGVNVAGVSLKALPELGTDADKEHWKECR	
UniRef90_Q67LB8 UniRef90_UPl0003D0A2B4 UniRef90_R7YWH4 UniRef90_F6CJC3	WSCANI A GMPVOEFCCWRGVP CLNPEENT RRVREAAYE	
UniRef90_K7Z644 UniRef90_UPI0004708FDE UniRef90_R6LQB7 UniRef90_D5RI56 UniRef90_H8FW05	WSLVHI ANNHVNDY ROSSPORDRIK WONE EYVRTSGGQ	
UniRef90_UPl0003F539CD UniRef90_W6A658 UniRef90_K8EXY7 UniRef90_E1II30	WS GATAGGI PVAEVADQLGRPLDEAARSTI DESVRRAAYR PRYTTVGGI PVTELI DADKLN AI VERTKVGGGE WS RSTVMGKSI LEYLE EGKLTSEELKQVKDDATHMAYK WS TVKI GGVSI TDYKTTTQLDLPAL KDAVRGGGWN PRFSTI GGI PVSEFI P ADRLEAI VDRARKGGGE PRYSTVNGI PI T ELMDAVTI ERLVDRTRNGGGE	
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UniRef90_W2UU14 UniRef90_C0KKG7 UniRef90_E2C742 UniRef90_UPI00031C12DD UniRef90_UPI00038235C3	SRYAT VNGI PLAEFVKKGWIKQEEVDDIVQKTKVAGGEIV WSGVNVAGVQFRDIIPNIGLDTDDEKWNDISKEVVRLGAM WSTAQVAGVPLKQFGDACGMPLDAAMMDEIDKAVRGAANR PRYTTVAGIPVTFIID	
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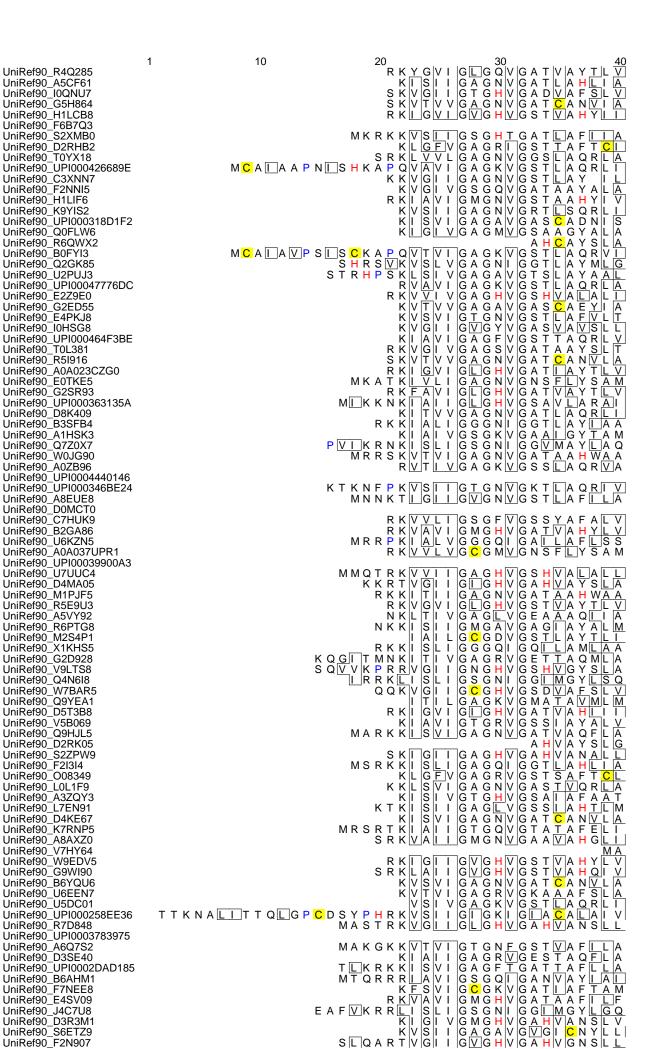
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UniRef90_I4CAM1 UniRef90_J9YY42	L V V K S A I   D E L   D E
UniRef90_E8T5Z0	E S   V   K R   L V   E K   L
UniRef90_R6QNK9 UniRef90_Q67LB8	SVIKDY <mark>C</mark> ERAEN QGVRNLIEMLK
UniRef90_UPI0003D0A2B4	
UniRef90_R7YWH4 UniRef90_F6CJC3	E S L R E I I R T L K S I I A Q L
UniRef90_K7Z644 UniRef90 UPI0004708FDE	NAIK D <u>V</u> IKN <u>SIDV</u> VK
UniRef90_R6LQB7	DCLKEVIRQLE
UniRef90_D5RI56 UniRef90_H8FW05	<u>D A V K K L I E D F K K L L L L R E A A D S I K</u>
UniRef90_UPI0003F539CD UniRef90_W6A658	K <mark>H</mark> V K D V M D A N Q L K E V
UniRef90_K8EXY7	E V I K
UniRef90_E1II30 UniRef90 K9WHE3	DAVRSTLETLKTL ESVRANIQQ
UniRef90_E6W399 UniRef90_H9ULD2	N A V K E L V E A M D K L R Y I
UniRef90_L7MRS3	DTLWGIQKELQ
UniRef90_W2UU14 UniRef90_C0KKG7	E A V S K T N G A L S D I D E V K E M Q K A I A A L
UniRef90_E2C742 UniRef90_UPI00031C12DD	N T V Y N V Q K D L K
UniRef90_UPI00038235C3	KHVKAVMD
UniRef90_G2E592 UniRef90_E6WZW8	NAVRSELERLRDL ASVRSMLNVLK
UniRef90_UPI0002E810B2	EELNKAYESL
UniRef90_UPI00030EF671 UniRef90_I7KHN4	N S V K T L I E A A K G L E <u>K M</u> K E V L D G I E
UniRef90_D1VU56 UniRef90_B5YGI4	ELIKSYNKAL EEVKN <u>M</u> IKILKE
UniRef90_I3XWY6	ASVDALLETL
UniRef90_UPI00040B3677 UniRef90_D5DKA1	ASVDALLETL ASVKGLIDACKTI ESVQSVMALLE
UniRef90_B7KGC9 UniRef90_R4PZ53	GSVRENLN DTITE
UniRef90_E8SH74	AVMHDYIQQL
UniRef90_Q8RED8 UniRef90_U7PG07	AVMKKYLE DAVEEVKSALK
UniRef90_D1AYS4	K <u>V </u> L  K D  V I  K T  I  K
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UniRef90_UPI000258EE37 UniRef90_B5QJG1	N L V Y N V Q K D L K DI L K D N L K K A Q E
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UniRef90_B4LT74 UniRef90_C5C7D1	EVLMKAQ <mark>C</mark> AL DALRREARSL
UniRef90_S2XB40	D <u>VM</u> RSYIDQLK
UniRef90_Q3J7E7 UniRef90_Q3YS64	EAIR KLIKNLVSNV
UniRef90_A0Z0A0	ESVR



UniRef90_R4Q285 UniRef90_A5CF61 UniRef90_I0QNU7 UniRef90_G5H864 UniRef90_H1LCB8	50
UniRef90_F6B7Q3 UniRef90_S2XMB0 UniRef90_D2RHB2 UniRef90_T0YX18 UniRef90_UPI000426689E UniRef90_C3XNN7	S G G Y A D D I V L I D T N E L K V N S D A T D F T D A M A N L P A H T N I I I Q L V L V D V N K D K A E G E A M D L G D A A A F I K P I N V M Y M H G H A D V L L V R E K N E S V M K G K A L D M Q Q G A I L G F N V H V H A T Q H L D L D E V V L V D I V E D L A V G E A M D L S H A I V G L D K Y A K I V G E A D L A A E V V L I D I V D G L P Q G K A L D I Q E S A P I L F S T R V T G S E K D L A Q V V L L D I V E G L P Q G L A L D L A Q A Q G L E K H H K T I G T S A T T P Y E I V L Q D K D K N R A R G M L D M F Q A S C V G P K F T K L G V
UniRef90_C3NN7 UniRef90_F2NNI5 UniRef90_H1LIF6 UniRef90_K9YIS2 UniRef90_UPI000318D1F2 UniRef90_Q0FLW6	LT GVA S E I V L V D R D P A R A R A H A E D I L H A T P F A H P V R V Q A A C G F A D D L V L I D T R E K K V E A D A T D F E D A M S N L P F H T N I T V E R N L A D V C L L D I V E G L P Q G L A L D L T E A Q G L Q S H H C E I M T R R E L S E E L I L L D L K E G F A E G K A L D M M Q T A A Y N G F D T K I K T L R G G A S F L V L V D R N M A L A V A Q A F D L A H A V P F A H P C R V S A
UniRef90_R6QWX2 UniRef90_B0FYI3 UniRef90_Q2GK85 UniRef90_U2PUJ3 UniRef90_UPI00047776DC	EKNLAD VVLUDI VEGLPQGIAL DLYEAQLEGHHKTI LGT VAGI CQELVFVDVMDGVPRGKLLDLYEAQLEGHHKTI LGT IRDSAKVVALYDI ATKKVEAEVKDLAHGTQFTNSVVMG G EKEIAD VTLLDVVPGLPQGIALDLMEAGVERHDRAI I GT
UniRef90_E2Z9E0 UniRef90_G2ED55 UniRef90_E4PKJ8 UniRef90_I0HSG8 UniRef90_UPI000464F3BE UniRef90_T0L381	I K N F A S E V V L L DI L K E G F A E G K A M D L M Q T A S L N G F D T K I I I L K N I I D E L V L V G R S K Q S V L G D V L D L R H G Q L F V N T P A Q V T A L K N I L N G G A D V V P A T
UniRef90_R5I916 UniRef90_A0A023CZG0 UniRef90_E0TKE5 UniRef90_G2SR93 UniRef90_UPI000363135A UniRef90_D8K409	EGNLGD VVLYDI VEGLPQGKALDMMESAPI LFESRVVGT MTGRCHEVI LYDI DSDLTVGKAI DI GQSTSYSPRGTI VTP FKEVADEI VLLDI KQGVSEGKALDMMQTATLLGFDSKVI T TKGI ADEL VLI DSNEDKAVAEEYDLRDTLSRLDTFTKI IP NQGLASEYGI I DLNNDFRDGNVLDFEDVVASSVRPFRVFA TKGLADEL VLI DSNDDKCMAEQYDLLDSLGRLDTHTKI KV ACQLAPEI VCI DTDEKKAHGEALDASHSTPCTLPGI KVYS EKDFAD VVLI DVVEGI PQGKTLDMQSANVI GFTHQLVGT SKEI GD I VI L DRSKEYAAGKALDI EESL PVMKKDI NI TT
UniRef90_B3SFB4 UniRef90_A1HSK3 UniRef90_Q7Z0X7 UniRef90_W0JG90 UniRef90_A0ZB96	SKEIGD I VILDRSKEYAAGKALDIESS PVMKKDINITT  LKGLAHEI VMVDAARDKAHGEALDIMLQCLAFAPPAR I RH  LKELGD VVLFDIAPKLGAAKALDIMHANAIYDTSQNVIG  IEGLGD VVLLDVEGIPQGKALDQSQFRPITGSCSIIGT  EKNLAD VVLLDIVEGMPQGLALDLMEAGIELHHRQIMGT
UniRef90_UPI0004440146 UniRef90_UPI000346BE24 UniRef90_A8EUE8 UniRef90_D0MCT0 UniRef90_C7HUK9 UniRef90_B2GA86	ERNLAD VCLLDIVEGLPQGIALDLMEAGLELHTRNVVGTTNNICSNILLKDLKNNLSEAMALDISQAMQETNSNTKITAGLASELILIDKDARAEGEAMDLMHGQS LVGSMTVRANSGLASTLSIIDIDKDKAIADVNDLMDASCKIESPTLVKEACGFTDDLALYDTNEAKVRADALDLRDAMANLPYHTNLTV
UniRef90_U6KZN5 UniRef90_A0A037UPR1 UniRef90_UPI00039900A3 UniRef90_U7UUC4 UniRef90_D4MA05	LKELGD VSIFDLVEGLPQGKALDLSQGPVEGVDTKVSGSNRGLAQHYVLIDAFRQAAEGNALDLSDAVAVLENRFTIKA  QAGQANDIVLIDKDREKAFGQALDLDDDAVSLCGRDTQVRA
UniRef90_M1PJF5 UniRef90_R5E9U3 UniRef90_A5VY92 UniRef90_R6PTG8 UniRef90_M2S4P1 UniRef90_X1KHS5	AKNLGDLILL DVAEGLPQGKALDLSQGPVEGFHFGVKGSTKGIADELVLIDTNEAKCTAEYYDLLDSLGRLETYTKLSMRDELCRELVLMDVQGELAQGKALDVWQAAVDSGSDTHVHGLKDIADELVFIDINEKIVNAEMLDIKHGIPNMGRTKITCLQPICSEVLLVDLKHSLLEAQVRDLSDATYRGGSGVRVRAQKEMGDIVVLUDIPDYPVKGKALDLMEMAPHGNDANITGT
UniRef90_ATRIGS UniRef90_G2D928 UniRef90_V9LTS8 UniRef90_Q4N6I8 UniRef90_W7BAR5 UniRef90_Q9YEA1	I Q G I A D E I F F A D C N A A M A R S Q A I D I Q D A V T Y M P H R V H I V P L T E L A D T V F F D I V P N I G A G K S L D I M H A S I Q G K A Y K C K G T T Q G I C T E L V L V D Q K S E K A S S E A M E L R D M L S A T H S Y T K V I S M R G Y D D L L L I A R T P G K P Q G E A L D L A H A A A E L G V D I R I S G
UniRef90_D5T3B8 UniRef90_V5B069 UniRef90_Q9HJL5 UniRef90_D2RK05 UniRef90_S2ZPW9	A Q G L A D E L V L V D K N S D K V A A D A L D F R D A A S L L S T H A T I H T L K Q F C D H L I I A G R N P E K A K G D V L D L Q H A L A F C A R P I Q I E A A K Q L G D V Y L F D V V D G I P E G K A L D I Q E G A P H W R Y D L D V V G M M G I A D E I L L C D I D A K K L A S E C N D L N D A V P F M P H R V Q Y K T F K G L A T E L Y I S D I D E V L C K A Q V N D L L D A M P F Y P H P A R V F E T K G L A T E L Y I S D I D E V L C K A Q V N D L L D A M P F Y P H P A R V F E
UniRef90_F2I3I4 UniRef90_O08349 UniRef90_L0L1F9 UniRef90_A3ZQY3 UniRef90_L7EN91 UniRef90_D4KE67	A Q G L A D E L V L V D K N S D K V A A D A L D F R D A A S L L S I H A I I H I  L K Q F C D H L I I A G R N P E K A K G D V L D L Q H A L A F C A R P I Q I E A  A K Q L G D V Y L F D V V D G I P E G K A L D I Q E G A P H W R Y D L D V V V G  M M G I A D E I L L C D I D A K K L A S E C N D L N D A V P F M P H R V Q Y K T  F K G L A T E L Y I S D I D E V L C K A Q V N D L L D A M P F Y P H P A R V F E  T K E L A D V V L F D V A E G V A K G K A L D I A Q S A V D G S S V N L I G T  L N L D V D E I A L V D I A E D L A V G E A M D L A H A A A G D D K Y P K I V G  E S K L G D I V M L D V V P G L P Q G K A L D L M Q A A P M G Y D V N I K G T  I N P L A T E L L L L N R N L A K A E G E A M D L N H C I P S I M P I K V K A  L S S I V T D I I L V D M N M E K A E G E A M D M M Q T A Q M M H I D T K I I D
UniRef90_K7RNP5 UniRef90_A8AXZ0 UniRef90_V7HY64 UniRef90_W9EDV5 UniRef90_G9WI90	L K N F A T E V V L L D V K P G V S E G K A M D M M Q T A Q M M H I D T K I I D I T G L V D D L V L V D L N A Q A A A S Q A L D L N Q A A S A Q P F G T V V T S A Q G A F D D Y V L I D T N E A K V K A D A L D F Q D A A A N L N H H A N I T V L Q G V A E E F G I V D V A K D R T V G D A L D L E D A T A L T F N K N I Y S A N G F T D E L V L I D T N T K K V E A D A L D F R E A M P N L P F H T E I I V A G G L A D D L V L I D T N E A K V Q A D A L D F E D A M A N L P Y H T N I F V
UniRef90_B6YQU6 UniRef90_U6EEN7 UniRef90_U5DC01 UniRef90_UPI000258EE36 UniRef90_R7D848 UniRef90_UPI0003783975	E E S V V S E V V L R E N S L S Q V Q G E A L D M N D A M A A K D R V T I T P T E K H L A D V V L V D II A V G L P Q G I A L D L L E A S L E G H D R H I G G T M K R L A S E V C L I D H D A N K A S A E A E D I Q H V G V F L G S P L V T G T L Q G L A D E L Y L C D V R A Q K V L S E T Q D L H D S L T F V P F N T K I V G
UniRef90_A6Q7S2 UniRef90_D3SE40 UniRef90_UPI0002DAD185 UniRef90_B6AHM1 UniRef90_F7NEE8	R D V A R E I AL L D V R E G A A A G A A L D I Q E T A P L L F D T R L S G S
UniRef90_E4SV09 UniRef90_J4C7U8 UniRef90_D3R3M1 UniRef90_S6ETZ9 UniRef90_F2N907	K D N L A D V V L F D I L E G L P Q G K A L D II T H S A T F G S S S K V I G T L K N F A H E I V L V D V N S D K A R G E M F D I I M Q C E A Y E P Q T L F H A T H G V A D E L V L L D K N E T K C R A E W G D L R D T L G R N D F Y V N V K W L T E L A D I V L F D I V P N L G A A K S L D I V H A N T V A G I G Y C K G T L Q G I A D E L Y M T E I C S K K L A A E V Q D L G D S L A F C P H N V H N C G T M G E C Q E V V L V D L N K E R T R G E Q L D F S H T S A L T F A K N K I I S L Q G I A D E L Y L C D I D R H A T E A Q T Q D L S D S L L F C P H N A L I C G

	90 100 110 120
UniRef90_R4Q285	N D Y S A L A D A EV L I VA S G N L G A L D M N R F G E Y D L N Q A I V R E L N N Y Q E I Q D S N V I I V T A G L A R K P G M S R N D L V N T N A Q L M L D L
UniRef90_A5CF61 UniRef90_I0QNU7	NDYSVLADADVVVIAVGPKTMLKEDRLEELAETCSAVREA
UniRef90_G5H864 UniRef90_H1LCB8	N D Y S V L A D A D V V V I A V G P K T M L K E D R L E E L A E T C S A V R E A N D Y A A T A G S D V V V I T S G M P R K P G M T R E E L I G V N A G L V S S V N D Y D A L K D A D V V I S A V G N L D N P K H D R F V E L P F T K K A V K D V
UniRef90_F6B7Q3	- C   V A   C   O   C A   D    V   V    E   A   C    A    O    K    D    C    E    D
UniRef90_S2XMB0 UniRef90_D2RHB2	GDYSLLKGCDLIVVSAGLARKPGMTRLDLAKKNAEI MRSV
UniRef90_T0YX18 UniRef90_UPI000426689E	VDYAETKDSDVVVITAGIPRQPGMSRDDLVQTNEEI MVEVGDYSLLKGCDLIVVSAGLARKPGMTRLDLAKKNAEI MRSVTSLDALADADVVVETAGLARKPGMSRSDLLEKNAGI LKGHNHYDDTVGSDI VVI AAGLPRKPGMSRSDLLEKNAGI LKGHNHYDDTVGSDI VVI AAGLPRKPGMSREDLLHYNAKI VAHAASPKDLSDCDVI VI AAGSPRLPGMSRDDLLLANAKVI SEI
UniRef90_C3XNN7	ASPKDLSDCDVIVIAAGSPRLPGMSRDDLLLANAKVISEL
UniRef90_F2NNI5 UniRef90_H1LIF6	GEY LALEHAKI VI LIAUGIVA QRYGE I KILEL LIGKNAK <u>VI Q</u> EV
UniRef90_K9YIS2 UniRef90_UPI000318D1F2	NNYVDTKDSDIVVITAGVARKPGMSRDDLLKINAKIVTEA NDYAATADSEVVVITSGIPRKPGMTREELIGTNAGIVKSV GDYDALEGADLVILAAGVAQKPGEDRISLLSRNAEVFAQV GTYEDLKDCDIVVISVGTIMGEDHSRLAELKHSVELVNSF NDYADTTGSDIVVITAGLARKPGMSREDLLHYNAKIVVHA SDYAAIEGSDAIVVTAGLPRKEGMSREDLLMANAAVIKGV
UniRef90_Q0FLW6	GDYDALEGADLVILAAGVAQKPGEDRISLLSRNAEVFAQV
UniRef90_R6QWX2 UniRef90_B0FYI3	G T Y E D <u>L</u> K D <del>C</del> D
UniRef90_Q2GK85 UniRef90_U2PUJ3	S D Y A A T E G S D A I V V T A G L P R K E G M S R E D L L M A N A A V I K G V D D L T A V R D S S I V I I T A G A K Q K P G Q T R L D L A A T N A R I L S S M
UniRef90_UPI00047776DC	N D Y A D L T A M D V V V I T A G K P R L P G M S R D D L L D I N G T I V A H A G G Y E E L N D A D I L V T A F G R S R K P G E T R L D M F D D S I R M A D E V
UniRef90_E2Z9E0 UniRef90_G2ED55	GGYEELNDADII L VITAFGRSRKPGETRLDMFDDSIIRMADEV ND <u>Y</u> SATANSDII <mark>C</mark> VII <u>T</u> SGIIPRKPGMTR <u>E</u> ELIGIINAGI VKAV
UniRef90_E4PKJ8	GTISDTAGSDVIAVCASVPTPKNMSRLELAQGNVQLMKEL VDLDEVSRCDVVVFAAGRNGRPGESRLQLLADNFRVASEV
UniRef90_I0HSG8 UniRef90_UPI000464F3BE	NDPKDLSGSALVVVTSGIARQPGMSRDDLLERNAGIVASV
UniRef90_T0L381 UniRef90_R5I916	NDPKDLSGSALVVVTTSGIARQPGMSRDDLLERNAGIVASVALHPEMKDCDIVVITAGVPRKGDMTRADLLMINAKIMKEVNDYAKTEGSDVVVITSGIPRKPGMTREELIGVNAGIVKSVQDYTALKDADVIITAFGNISALKMDRFGELNYNAAVVAEV
UniRef90_A0A023CZG0	QDYTALKDADVIITAFGNISALKMDRFGELNYNAAVVAEV AEYADLKDADFIVITAGRPOKPGETRLELIKDNIRIIRQI
UniRef90_E0TKE5 UniRef90_G2SR93	Q D Y S E L K D A D I I I T A F G N I A S L D G D R F G E F N F N T A A A A D V
UniRef90_UPI000363135A UniRef90_D8K409	GGEFF <mark>C</mark> KDASILII <mark>C</mark> SGGPSILIPGFDRILLIAFRNIVIKIVIGDIL
UniRef90_B3SFB4	D D Y S D <u>I   </u> K D S D L V I  I  T A G V  A R K P G M S R <u>D D</u>  L L  S <u> V </u> N A G V I  K <u>I  </u> V
UniRef90_A1HSK3 UniRef90_Q7Z0X7	GEMADTAGADI VVI TAGLPRKADEPRVL L SRNAALIADL TTYEDLAGSDVCI I TAGNKSDDEWSRDDL VAPNSKI MFTI NDYKDTADSDVI I I TSGLARKPGMSRDDL LATNVKI VKEV
UniRef90_W0JG90 UniRef90_A0ZB96	N D Y K D T A D S D V I I I T S G I A R K P G M S R D D L L A T N V K I V K E V N N Y A D T T D S E I V V I T A G I P R K P G M S R D D L L K I N T K I V V D A
UniRef90_UPI0004440146	
UniRef90_UPI000346BE24 UniRef90_A8EUE8	NNYEDTANSDVVVITAGIARKPGMSREDLLKINAKI VTEA CNNEDFKDCDI I I I TAGIARKPNMSRDDLLITNAKI VASV
UniRef90_D0MCT0 UniRef90_C7HUK9	GTYADLQEAQIVIISAGVAQRPGESRLALLNRNAEVFREI GSYED <mark>C</mark> KDADLVV <u>L</u> CYGNSQKNLTNRLNDIKLATRMV <u>LDT</u>
UniRef90_B2GA86	NDDSQLADCDVVVSTLGKSDTPDHDRFAEFKFTRTQVPLV NHFSALQGADVVIVTAGVPRKPGMSRDDLLAINSKI VADV
UniRef90_U6KZN5 UniRef90_A0A037UPR1	G D Y S E C K D A D L I V V T A G R P Q R D G E T R L D MV A D N A R L M Q D L
UniRef90_UPI00039900A3 UniRef90_U7UUC4	GEYGELQDADVLVMAFGR <u>S</u> RRPGETRLDMFDDSIRMANDV
UniRef90_D4MA05 UniRef90_M1PJF5	G
UniRef90_R5E9U3	NDYADTANSDVVIISAGLARKPGMSRDDLLALNVALVKSC NDYRSLKDADVVITAFGDIKADGGNRFLEYSFNCQQAKQV GAKAEMEGSELVVITAGVPRKPGQSRQDVLSTNLPILDSI
UniRef90_A5VY92 UniRef90_R6PTG8	G S Y K DII  K N S D MII
UniRef90_M2S4P1 UniRef90_X1KHS5	A T L A E A C O A DII V V I IT A C A K O K D C E C DII ICII I IC D NII LII I IE CII I
UniRef90_G2D928	N D P A A MA G S D L I V V T A G V P R K P G M S R S D V L E V N L G V I D G I
UniRef90_V9LTS8 UniRef90_Q4N6I8	S D Y K D D Q G S D V V I I T A G K P R Q A G M T R E D L L S T N I K I I S A V N D P A A M A G S D L I V V T A G V P R K P G M S R S D V L E V N L G V I D G I C G V A D L T G C D A I V L S A G P L P D G N E S R L S T L P R T M A V V V D V N N Y K D I A G S D V C I V T A G A K S N E E W N R D D L V A F N A K I I T E V I G G Y E L L R D A S V I V M A I G P T T L L E K D R M E E L K E T S A A V R S I
UniRef90_W7BAR5 UniRef90_Q9YEA1	G G Y E L R D A S V T V M A T G P T T L L E K D R M E E L K E T S A A V R S I
UniRef90_D5T3B8	NSYEDMRGSDIVLVITAGIGRKPGMTREQLLEANANTMADL GTAADLTDADLVISALGHIDKPGGDRFTELKANTPEVQQV  CANQQLRNADIIVITASVPLEDKTSRMQLGKNNXAMFREL TKYKNMEGSDVIVVTAGLARKPGMSRDDLFDKNVEIISDV TDYAGLKDCAVIVNAVGDISCRNFNRDDELKNSVVQVARF VDYEELADCDIIVNAAGHIEAAAASRDGELFVTTDEARKF
UniRef90_V5B069 UniRef90_Q9HJL5	TKYKNMEGSDVIVVTAGLARKPGMSRDDLFDKNVEIISDV
UniRef90_D2RK05 UniRef90_S2ZPW9	T D Y A GLIK D C A V I V N A V G D I S C R N F N R D D E L K N S V V Q V A R F
UniRef90_F2I3I4	DNYEDTKNSDVI I ITTAGVPRKPGMTRDDLLGUNUKLIKQV
UniRef90_O08349 UniRef90_L0L1F9	DNYEDTKNSDVIIITAGVPRKPGMTRDDLLGINLKIIKQVGDYSLLKGSEIIVVTAGLARKPGMTRDDLLGINLKIIKQVGDYSLLKGSEIIVVTAGLARKPGMTRDDLLAHKNAGIIKDI NDYADIEGSDIVIITAGIARKPGMTRDDLLNINAKITREV GQLADSENSDLIIFTASVPYDPTRKRTELAAENYQILEQW GKYCDCADSKIIITAGTIQKPGESRLNLTQRNTDIMKSI
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UniRef90_R7D848	
UniRef90_UPI0003783975 UniRef90_A6Q7S2	G G Y E A L E G A K V V V I A A G V A Q R P G E T R L Q L L D R N A Q V F A Q V K G P E D M E G S D V V I I T A G A P R T P G M S R D D L L F K N A D I V K C Y
UniRef90_D3SE40 UniRef90_UPI0002DAD185	HEPSVIAGAEL VI VITAGLPRKPGMSRSDVLDKNVEI LDQI SNYEKTANSDLVI I TAGVARKPGMSRDDLVQINQKVVKSV NNYADLEGCDVVVI TASVSGRPKDDRSELMFNNARI LDSV
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	130 140 150 160
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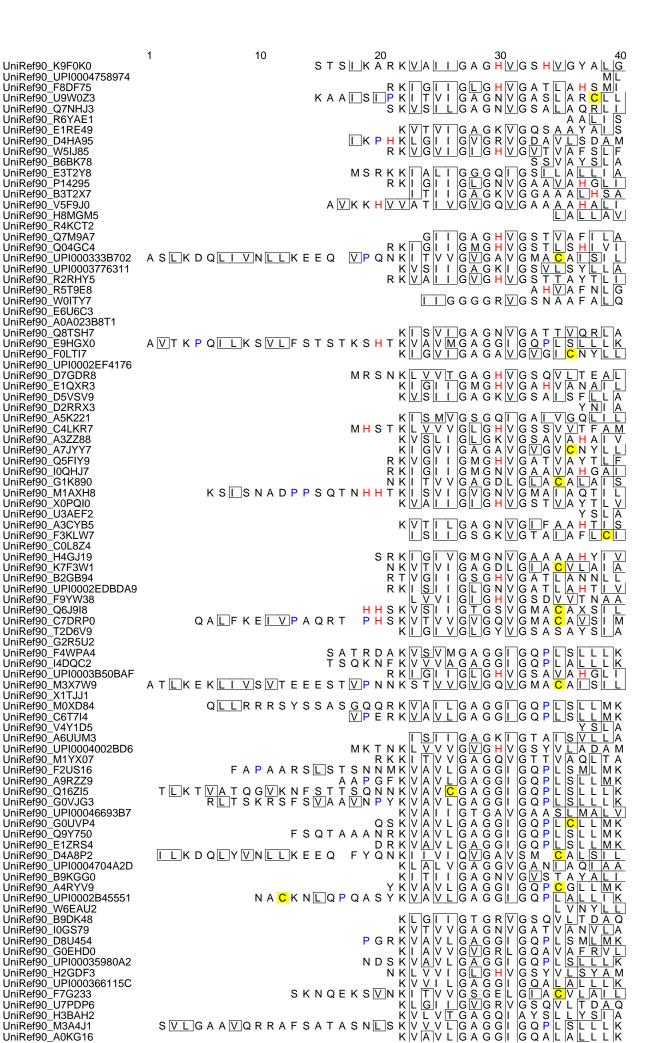
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UniRef90_G2D928 UniRef90_V9LTS8 UniRef90_Q4N6I8	QAĞVLDASRMASFIEMETĞFSSRDVITTIVLĞĞHĞDSMVPL TGT <mark>C</mark> LDSARLQALLHRELHĞNVSMQSAMMLĞEHĞDS <mark>C</mark> IVS MGGLLDSSRMN <mark>C</mark> YIAEKLĞVNPKYVHĞSVIĞAHĞDSMIPL
UniRef90_W7BAR5 UniRef90_Q9YEA1 UniRef90_D5T3B8	T G T S L D T M R M R S A L G E H F Q V S P K S I S G Y V L A E H G E S Q F I A F S G I L D S A R M A Y Y I S Q K L G V S F K S V N A I V L G M H G Q K M F P V T G T Y L D T A R L K R V L G E T L H V D P R S V Q G Y M L G E H G D S Q F A A
UniRef90_V5B069 UniRef90_Q9HJL5 UniRef90_D2RK05	Q A G V L D T A R M K C F I A E Q T G F S A R D I T A V L G G H G D S M V P L T G C I L D T S R L L N V I A D Y L K I D K E L I E L S V I G E H G N S Q I P L T G T S L D S A R L R G V L A E K A E V A P N S I D A Y V L G E H G D S Q F I A M A G T L D T A R Y R A F L S M E L G V S V A D I A G T V L G G H G P T M V P L Q A G V L D A S R M A S F I E M E T G F S S R D V T T I V L G G H G D S M V P L T G T C L D S A R L Q A L L H R E L H G N V S M Q S A M M L G E H G D S M I P L T G T S L D T M R M R S A L G E H F Q V S P K S I S G Y V L A E H G E S Q F L A F S G I L D S A R M A Y Y I S Q K L G V S P K S I S G Y V L A E H G E S Q F L A F S G I L D S A R M A Y Y I S Q K L G V S P K S V N A I V L G E H G D S Q F A A V G T L V D S A R F R T L L S Q E L H I H P D D L R A Y I L G E H G D S M V P F T G T L L D S A R F R T F L A K E L N V S V E D V N A F V I G G H G D D M V P F T G T L L D S A R F R T L S Q E L H I H P D D L R A Y I L G E H G N A Q F V P S G T T L D S A R F R T A L S D A T G L D S R S F N A F M L G E H G D S M V P L M A G L L D T S R F K R F L S Q E L K V S I K D I D S F V L G G H G D S M V P L M G G L L D S S R F R S F V A M E V G C S V K D V D A M V L G G H G D S M V P L M S G L L D S S R F A S F V A M E V G C S V K D V D A M V L G G H G D S M V P L
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LINED - 400 COVAINIZ	
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JAMESSON AGOZSON  F D P O Y G T VI O M P A VI G K N G   LES LI   OL D L T T D E A A S. LA A A S. A. LA MARSON AGOS AGOS AGOS AGOS AGOS AGOS AGOS AGOS		290	300 310 320
JARRE90   JORNUT	UniRef90_R4Q285	F D P Q Y G T Y V G M P A V	I  GKNG   ES LIQ L D L TTDERASL AASA
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Jilikef90 H3 H3 LF6  V R E E D D V L S V P A I V O S R D S T E K V Q D D L T D E E K E K L D T S A JINREF90 K9YIS2  JINREF90 K9YIS2  JINREF90 K9YIS2  JINREF90 L91000318D1F2  V G Q K D L F L G V P Q R V G R S G V M T T L L D F K L S A D E Q A Q F N K S A JINREF90 B9FYIS  JINREF90 B9FYIS  JINREF90 SBFYIS  JINREF90 L920K85  V G Q Y D L Y D V A L S L P R V V G R S G V M T T L L D F K L S A D E Q A Q F N K S A JINREF90 B9FYIS  JINREF90 L9100047776DC  V G Q Y D L Y L G K N G W E K L L D F K L S A D E Q A Q F N K S A JINREF90 L91000447776DC  JINREF90 L920H3  V G L T D L F L G V P C R L G C R G V E A I V E L P L T D A E L A Q L H R S A JINREF90 L91000447776DC  JINREF90 L920H3  V G L T D V A L S L P T L V S E H G I D R V L E A P M S A D E V S L R S A G L R R R S A G L R R R S A G L R R R S A G L R R R S A G L R R R S A G L R R R R R R R R R R R R R R R R	UniRef90_S2XMB0	Y Q L   N D I Y I G V P A I	L G A N G V E R I I E L E L N E D E Q Q L A H S V
Jilikef90 H3 H3 LF6  V R E E D D V L S V P A I V O S R D S T E K V Q D D L T D E E K E K L D T S A JINREF90 K9YIS2  JINREF90 K9YIS2  JINREF90 K9YIS2  JINREF90 L91000318D1F2  V G Q K D L F L G V P Q R V G R S G V M T T L L D F K L S A D E Q A Q F N K S A JINREF90 B9FYIS  JINREF90 B9FYIS  JINREF90 SBFYIS  JINREF90 L920K85  V G Q Y D L Y D V A L S L P R V V G R S G V M T T L L D F K L S A D E Q A Q F N K S A JINREF90 B9FYIS  JINREF90 L9100047776DC  V G Q Y D L Y L G K N G W E K L L D F K L S A D E Q A Q F N K S A JINREF90 L91000447776DC  JINREF90 L920H3  V G L T D L F L G V P C R L G C R G V E A I V E L P L T D A E L A Q L H R S A JINREF90 L91000447776DC  JINREF90 L920H3  V G L T D V A L S L P T L V S E H G I D R V L E A P M S A D E V S L R S A G L R R R S A G L R R R S A G L R R R S A G L R R R S A G L R R R S A G L R R R R R R R R R R R R R R R R	UniRef90_D2RHB2	Y GL S DVAL GV PAL	L G R D G V E R I V E Y D L T D E E K A M L M K S A
Jilikef90 H3 H3 LF6  V R E E D D V L S V P A I V O S R D S T E K V Q D D L T D E E K E K L D T S A JINREF90 K9YIS2  JINREF90 K9YIS2  JINREF90 K9YIS2  JINREF90 L91000318D1F2  V G Q K D L F L G V P Q R V G R S G V M T T L L D F K L S A D E Q A Q F N K S A JINREF90 B9FYIS  JINREF90 B9FYIS  JINREF90 SBFYIS  JINREF90 L920K85  V G Q Y D L Y D V A L S L P R V V G R S G V M T T L L D F K L S A D E Q A Q F N K S A JINREF90 B9FYIS  JINREF90 L9100047776DC  V G Q Y D L Y L G K N G W E K L L D F K L S A D E Q A Q F N K S A JINREF90 L91000447776DC  JINREF90 L920H3  V G L T D L F L G V P C R L G C R G V E A I V E L P L T D A E L A Q L H R S A JINREF90 L91000447776DC  JINREF90 L920H3  V G L T D V A L S L P T L V S E H G I D R V L E A P M S A D E V S L R S A G L R R R S A G L R R R S A G L R R R S A G L R R R S A G L R R R S A G L R R R R R R R R R R R R R R R R	UniRef90_101X18 UniRef90_UPI000426689E	Y G L T D L F L G V P C R	LIGAGGVESIVVELIPLITASEFAQLIQQSA
Jilikef90 H311F6  V R E E D T Y L S Y P A I V G R D G T E K V Q D D L T D E E K E K L D T S A JINREF90 K9YIS2  Jilikef90 K9YIS2  Jilikef90 K9YIS2  Jilikef90 K9 K9 K D L F L G V P C R V G R D G T L E L K L T T E E R R E L Q R S A A JINREF90 DP1000318D1F2  V G Q K D L F L G V P C R V G R S G V M T T L L P E L A E D E A S A L R R S A JINREF90 B9FYIS  JINREF90 K9 K9 K D L F L G V P C R L G C R G V E A I V E L A L T D A E L A Q L H R S A JINREF90 B9FYIS  JINREF90 L9 K9 K D L F L G V P C R L G C R G V E A I V E L L A L T D A E L A Q L H R S A JINREF90 L9 K9 K D L F L G V P C R L G C R G V E A I V E L P L T D A E L A Q L H R S A JINREF90 L9 K9 K D L F L G V P C R L G C R G V E A I V E L P L T D A E L A C L H A S A JINREF90 L9 K9 K D L F L G V P C R L G C R G V E A I V E L P L L P L T D A E L A C L H A S A JINREF90 L9 K9 K D L F L G V P C R L G C R G V E A I V E L R L T D Q E Q D S L R S A G JINREF90 L9 K9 K D L V L G V P C R L G C R G V E A I V E L R L T D Q E Q D S L R S A G JINREF90 L9 K9 K D L V L G V P C R L G C R G V E A I V E L P L L P L L P E E A A A F L K S V G V G V P C V L G V P C V L G V P C V L G V P C V L E L A L T L D A E K T H A S A JINREF90 L9 K9 K9 K D L V L G V P C V L G V P C V L G K N G I L E L I N L T D Q E Q D S L R S A G JINREF90 L9 K9 K9 K9 K9 K9 K9 K9 K9 K9 K9 K9 K9 K9	UniRef90_C3XNN7	Y GYSDVVSGVPVF	L G N G L E R L V E L K L N T D E K V Q F D K S V
JAINERIPO_UPI000318D1F2  JAINERIPO_UPI000318D1F2  JAINERIPO_UPI000318D1F2  JAINERIPO_UPI000318D1F2  JAINERIPO_UPI000318D1F2  JAINERIPO_UPI000318D1F2  JAINERIPO_UPI000318D1F2  JAINERIPO_UPI000318D1F2  JAINERIPO_UPI000318D1F2  JAINERIPO_UPI000318D1F2  JAINERIPO_UPI000318D1F2  JAINERIPO_UPI000318D1F2  JAINERIPO_UPI000318D1F2  JAINERIPO_UPI00047776DC  JAINERIPO_UPI00047776DC  JAINERIPO_UPI00047776DC  JAINERIPO_UPI00047776DC  JAINERIPO_UPI00047776DC  JAINERIPO_UPI00047776DC  JAINERIPO_UPI00047678DC  JAINERIPO_UPI000464F3BE  JAINERIPO_UPI000464F3BE  JAINERIPO_UPI000464F3BE  JAINERIPO_UPI000464F3BE  JAINERIPO_UPI000363135A  JAINERIPO_UPI000363135A  JAINERIPO_UPI000363135A  JAINERIPO_UPI000363135A  JAINERIPO_UPI000366BE24  JAINERIPO_UPI000346BE24  niRef90_H1LIF6	YREELDTYLSYPAI		
JniRef90	UniRef90_K9YIS2	Y GL N DL FL GV P C R	VIGSNGVIEQII LIELIKILITTEEREI LIQRSA
JniRef90	UniRef90_Q0FLW6	VEGVT DVALSLPRV	V G R S G V M T T L L P E L A E D E A S A L R R S A
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JniRef90	UniRef90_Q2GK85	Y GIVIN G GIL IF IV IGIV P A IV	I GKNGVEEVIEYVLSQEEREFEKSV
JniRef90	UniRef90_U2PUJ3	Y GI K DI YI GVP CR	V   S   E   H   G   I   D   R   V   L   E   A   P   M   S   A   D   E   V   S   L   L   H   A   S   A   G   C   C   C   C   C   C   C   C   C
JniRef90	UniRef90_E2Z9E0	Y GEKDIVVIAGIVI <mark>PCI</mark> V	L G K N G I E E I I E V P L L P E E A E K F H A S C
JniRef90		Y GL N DI CI G A P V I	L
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JniRef90	UniRef90_UPI000464F3BE UniRef90_T0L381	Y GYSDVCVGVPVV	L   G K A G   V   E K   I V   E   L   P   L   S   V   A E E K D   L   H   I S   S   L   G G N G   V   E K   I   S   V   A E E K D   L   H   I S   S   A E E K D   L   H   I S   A E E K D   L   A E E K D   L   A E E K D   L   A E E K D   L
JniRef90	UniRef90_R5I916	Y GESDI <mark>C</mark> IG <u>VPV</u> I	L G R N G WE K V V D F K L N A E E K A A F E K S A
JniRef90_DBK409  Y GL	UniRef90_A0A023C2G0 UniRef90_E0TKE5	Y GFYDVNVGVPAI	GRNG   EQVLE   SLNEKEREK FVK SV
JniRef90_B3SFB4	UniRef90_G2SR93	KYGCYVGYPAV	I GAEGVVSVNYTELPAEEEEKLQSSA
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JniRef90_W0JG90 JniRef90_W0JG90 JniRef90_W0JG90 JniRef90_UPl0004440146 JniRef90_UPl000346BE24 JniRef90_UPl000346BE24 JniRef90_UPl000346BE24 JniRef90_Bomcto JniRef90_D0mcto JniRef90_D0mcto JniRef90_D0mcto JniRef90_UPl0003486 JniRef90_UPl000346BE24 JniRef90_UPl000346BE24 JniRef90_D0mcto JniRef90_D0mcto JniRef90_D0mcto JniRef90_D0mcto JniRef90_UPl000346BE24 JniRef90_UPl00039900A3 JNIRef90_UPl00039900A3 JNIRef90_UPl00039900A3 JNIRef90_UPl00039900A3 JNIRef90_UPl00039900A3 JNIRef90_UPl00039900A3 JNIRef90_UPl00039900A3 JNIRef90_UPl00039900A3 JNIRef90_UPl00039900A3 JNIRef90_UPl00039900A3 JNIRef90_UPl00039900A3 JNIRef90_UPl00039900A3 JNIRef90_UPl00039900A3 JNIRef90_UPl00039900A3 JNIREf90_UPl00039900A3 JNIREf90_UPl00039900A3 JNIREf90_UPl00039900A3 JNIREf90_UPl00039900A3 JNIREf90_UPl00039900A3 JNIREf90_UPl00039900A3 JNIREf90_UPl00039900A3 JNIREf90_UPl00039900A3 JNIREf90_UPl00039900A3 JNIREf90_UPl00039900A3 JNIREf90_UPl00039900A3 JNIREF90_UPl0003990A3 JNIREF90_UPl0003990A3 JNIREF90_UPl0003990A3 JNIREF90_UPl0003990A3 JNIREF90_UPl0003990A3 JNIREF90_UPl0003990A3 JNIREF90_UPl0003	UniRef90_B3SFB4 UniRef90_A1HSK3	YGL NDICMGVPTF	I   G A N G  V   E D   I V   Q   I   T F N Q E E Q A   I F D K S A V   G R G G A G P V I   P I   A   I T A A F O F O I   A A S   V
JniRef90_U7UUC4       Y	UniRef90_Q7Z0X7	YGHNDVYLGTPAI	I GANGILEKI I TLIKLISAEEQAKLIDASIVI
JniRef90_U7UUC4       Y	UniRef90_W0JG90 UniRef90_A0ZB96	FGI SGYFLGVPVV YGID DIVIGVPCR	
JniRef90_U7UUC4       Y	UniRef90_UPI0004440146	Y GIL K E DIVIFILISIVI <mark>P C</mark> I	L G Q N G V S D V V K I N L T S E E T M L F K K S A
JniRef90_U7UUC4       Y		Y GLT DI FLGVP <mark>C</mark> R Y GYKDI VSGVPVI	L
JniRef90_U7UUC4       Y	UniRef90_D0MCT0	Y GI RVVCLSIPCV	GÜQGÜE GRV LPELAPDEÜE ĞÜRRSA
JniRef90_U7UUC4       Y		YNNK GLYIGVPAV YREEYGTYLSYPAV	VIGROGV V VIQLIQLIDILITATEQEKLIATSA
JniRef90_U7UUC4       Y	UniRef90_U6KZN5	Y G V Q D L Y V G V PC V	V G R G G V E K V L E L Q L T E T E K K M F Q K S V
Jinkefey DVAMA05  Jinkefey DAMA05  Jinke	UniRef90_UPI00039900A3	Y GILENDVFLSLPSV	LISAAGLTSVINPKLKDDEVAQLKKSA
Jinkelso	UniRef90_U7UUC4	Y GERNIVIAAGIVI <mark>PC</mark> I	I GKNGMEGVLEMELTESEQRQFHDSC
JniRef90	UniRef90_M1PJF5	FGI SGYFLGVPVV	I GENGVEKI LEFELTAEEKEALQUSV
Jiliref90 R6PT68  V G E N G L S K P S V I S S E G I N F I L P L K L S K Q E G K L Y E N S I JIREf90 M2S4P1  Y Q P E L G C C L S M P A V I G R K G L Y R A M P I Q L D A S E Q A Q L E A C A JIREf90 S2D928  Y G A E K I A M G V P C V L S E Y G V E V V D L E L E L T D E E K E R I G A T K JIREf90 G2D928  Y G A E K I A M G V P C V L S E Y G V E V V D L E L E L T D E E K A G F H A S C JIREf90 G2D928  Y G A E K I A M G V P C V L S E Y G V E V V D L E L E L T D E E K A G F H A S C JIREf90 G2D928  Y G A E K I A M G V P C V L S E Y G V E V L E L K L T P Q E Q Q K F N D S I JIREf90 G2D928  Y G H K E V Y C G T P A V I G A N G V E K V L E L K L T P Q E Q Q K F N D S I JIREf90 G2D928  Y G H K E V Y C G T P A V I G A N G V E K V L E L K L T P D E E K I A K Y Q A S C JIREF90 G2D928  Y G N D I V A E V P A V I G K S G I E K V L E L K L T P D E E L A A C A JIREF90 G2D928  Y G N D I V A E V P A V I G K S G I E K V L E L K L T P D E E L A C A C A JIREF90 G2D9415  JIREF90 D2BT3BB  H A D N C E S I P V V V G R S G I L R H L H P E M N G D E Q A N L Q V A A G R P A V I G K S G I E K V L E L P L P L T E D E K K K F D E A V J JIREF90 D2RKOS  Y G Q Q D L F I G V P A V I G K S G V E G V E K V L E L P L T E D E K K K S S J I M I G K S G V E G V E K V L E L P L T E D E K K K F D E S E G V E G V P A V I G K S G V E G V E K V L E L P L T E D E K K K F D E S E G V E G V P A V I G K S G V E G V	UniRef90_R5E9U3	DYG <mark>C</mark> YVGYPAV	I GKNGVEYVHRLELTEEEKKLLDKSA
Jurkef90_XIKHS5 Jurkef90_XIKHS	UniRef90_R6PTG8	V C E W C I C K D C W	SSEGINFILPLKLSKQEEKLYENSI
Julikeri90 C2D928  V G G K G L F A S W P A V I G A N G V E D I I E L E L T P E E K A G F H N S C I Julikeri90 V9LTS8  V G E K G L F A S W P A V I G A N G V E D I I E L E L T P E E K A G F H N S C I Julikeri90 W7BARS  V G H K E V Y C G T P A V I G A N G V E K V L E L K L T P Q E Q K F N D S I D Julikeri90 W7BARS  V D E S E G V Y A G R P A V I G R D R V E K V L E L K L T P Q E Q K F N D S I D Julikeri90 D5T3B8  V D D K F K S Y I S T P A V I G R D R V Q I L P L E L T T E E E K L Y Q A S X Q I Julikeri90 D5T3B8  V D D K F K S Y I S T P A V I G R D R V Q I L P L E L T T E E E K L Y Q A S X Q Y A G Y P A V I G R D R V Q I L P L E L T T E E E K L Y Q A S X Q Y A G Y P A V I G R D R V Q I L P L E L T T E D E K R K F D E A V Q X A M R V B X Y G Y R Y A V I G R D R V Q I L P L L T T E D E K R K F D E A V Q X A M R V B X Y G Y R X Y I S T P A V I G R D R V Q I L P L L T T E D E K K K Y I D S X Y G Y R X Y I S T P A V I G R D R V Q I L P L L T T E D E K K K Y I D E A X Y X Y G Y P A X Y I S X Y Q Y F D L D F K P D E L E L W K K S X Y I S T P A V I G R D R Y Q I F D L D F K P D E L E L W K K S X Y I S T P A V I G R D R Y Q I F D L D F K P D E L E L W K K S X Y I S T P A V I G R D R Y Q I F D L D F K P D E L E L W K K S X Y I S T P A V I G R X R G I I R M L P P E L D D F K P D E L E L W K K S X Y I S T P A V I G R X R G I I R M I L P P L T P D E E M A X W K K S X Y I S T P A V I G R X R G I I R M I L P P L T P D E E M A X W K K S X Y I S T P A V I G R X R G I I R M I L P P L T P D E E M A X W K K S X Y I S T P A V I G R X R G I I R M I L P P L T P D E E M A X W K K S X Y I S T P A V I G R X R G I I R M I L P P L T P D E E M A X W K K S X Y I S T P A V I G R X R G I I R M I L P P L T P D E E M A X W K K S X Y I M R Y R Y G Y R X Y G Y P A K L G K N G A E K R Y L E L Y V I L P P L T P D E E M A X W K K S X Y I M R Y R Y G Y R Y A V I G X R R A X Y A Y R Y R Y M Y G Y P A K L G K N G A E K Y I D I F R Y M Y K K S X A Y R A Y X R Y R Y M Y M Y G Y P A K L G K N G A E K Y I D I R Y M Y K Y R Y M Y M Y M Y R Y M Y M Y M Y M Y M		Y Q P E L G C C L S M P A V Y G L N G L F L G V P C L	I
JORRÉ90_Q4N618  Y GE K GL F A S V P A V I GA N G V E DI I I EL EL EL T P E E K A G F H H S C JORRÉ90_Q4N618  Y GE K G L F A V I GA N G V E K V L EL K L T P Q E Q Q K F N D S I JORRÉ90_Q9YEA1  Y G Y N D L V A E V P A V I GA N G V C Q I L P L EL T T E E E K L Y Q A S C JORRÉ90_D9YEA1  JORRÉ90_D5T3B8  Y D D K F K S Y I S T P A V I GA R G V V Q T F D L P L T E D E K R K F D E A V JORRÉ90_D9HJL5  H A D H Y G I F I G V P I K I GE K G V E Q I Y D I D F K P D E E I A L Q Q S A JORRÉ90_Q9HJL5  H A D H Y G I F I G V P I K I GE K G V E Q I Y D I D F K P D E E I A L Q Q S A JORRÉ90_D9HJL5  H A D H Y G I F I G V P A V I G K E G V E Q I Y D I D F K P D E E I A L Q Q S A JORRÉ90_D9HJL5  H A D H Y G I F I G V P A V I G K E G V E Q I Y D I D F K P D E E I A L Q Q S A JORRÉ90_D9HJL5  H A D H Y G I F I G V P A V I G K E G V E Q I Y D I D F K P D E E I A L Q Q S A JORRÉ90_D9HJL5  H A D H Y G I F I G V P A V I G K E G V E Q I Y D I D F K P D E E I L A L W K S C JORRÉ90_D9HJL5  JORRÉ90_D9HJL5  H A D H Y G I F I G V P A V I G K E G V E K V L E L P L T P E E Q K Q F E A C A JORRÉ90_D9HJL5  JORRÉ90_D08349  Y G A S G F Y S S L P A V I G K E G V E K V L V P E L S E E E I A A L W K S C L S I D A V I G K E G V E K V L V P E L S E E E I A A L W K S C L S I D A V I G K E G V E K V L V P E L S E E E I A K L R N S A JORRÉ90_D08349  JORRÉ90_D08349  Y G F S D L C L G V P A K L G K N G I E K V I E L Q L S E E Q I V A L S K S E JORRÉ90_D9H S V G N D S I JORRÉ90_D4KE67  JORRÉ90_D4KE67  Y G F S D L C L G V P A K L G K N G I E K V I E L Q L S E E Q I V A L S K S E JORRÉ90_D4KE67  JORRÉ90_D4KE67  Y G E H D V C A G V P A V L G K G G I K E I T V L D L N E K E Q A M F D A S V JORRÉ90_D4KE67  JORRÉ90_D4KE67  Y G E H D V C A G V P A V L G K G G I K E I T V L D L N E K E Q A M F D A S V JORRÉ90_D4KE67  JORRÉ90_D6KYOL0  Y A P L D T Y L S Y P A L V G R S G I L E Q L Q L T L T E E E E A K L A R S A JORRÉ90_D6KYOL0  Y G Q E N I V S Y P A L V G R S G I L E Q L Q L T L T L E E E E A K L A R S A JORRÉ90_D6KYOL0  Y G Q E N I V S Y P A L V G R S G I L E Q L D L T Q	UniRef90_G2D928	YGAEK I AMGVPCV	LSEVGVELVVDLGLTAEEMALFEASA
JJJIRE990_Q9YEA1  JJJIRE990_D5T3B8  Y D D K F K S Y J S T P A V I G R D G V V Q T F D L P L T E D E E K R K F D E A W J J R G R P A V I G K S G I R R I L E L P L T E D E E K R K F D E A W J J R R P G S G I R R I L E L P L T E D E E K R K F D E A W J R R R P G S G I R R P A V I G K S G I R R I L E L P L T E D E E I A L Q Q S A J J R R P G S G I R R P A V I G K S G I R R I L E L P L T P D E E I A L Q Q S A J R R P G S G I R R P A V I G K S G I R R I L E L P L T P D E E I A L Q Q S A J R R P G S G I R R P A V I G K S G I R R I L P L P L T P D E E I A L Q Q S A G R S G I R R P L R P E M N G D E Q A N L Q V A A J R R P G S G I R R G V R Q I Y D I D F K P D E L E L E L E L E L E L E L E L E L E	UniRef90_V9L1S8 UniRef90_Q4N6I8	Y GERGLIFASVIPAV Y GHKEVYCGTPAV	I GANGVEDITELELIPEEKAGFHHS <mark>C</mark> I GANGVEKVLELKLTPQEQQKFNDSI
JURIRE190_UST3B8  JURIRE190_US	UniRef90_W7BAR5	YDESEGVYAGRPAV	I GRDGV CQI LPLELTTEEEKLYQASC
Juire190_V58069	UniRef90_D5T3B8	Y D D K F K S Y I S T P A I	GRAGV VQTFDLPLTPDER RAFDEAV
Juiriker90   D2RK05   Y	UniRef90_V5B069	MGI RDNCFSIPVV	V G R S G I I R H L H P E M N G D E Q A N L Q V A A
JAIRE190   SZZPW9	UniRef90_D2RK05	YC QQDLFLGVPAV	GKEGVEKVLELPLTPEEQKQFEACA
JniRef90_O08349		Y GASGFYSSLPAV YGIK FIYVGVPVV	G
JNIRef90_A3ZQY3 JniRef90_D4KE67 JniRef90_K7RNP5 JniRef90_K7RNP5 JniRef90_R7RNP5 JNIREFREA JNIREFRE	UniRef90_O08349	Y ĞLEN V AV ĞV P AK	LGKNĞAE VADIKLSDEENEKLRNSA
N D V C   S L P T   I N S S G   E K V   D   P L N G E V K K L K E S A	UniRef90_L0L1F9 UniRef90_A3ZQY3	LGVK EVCLSLPAV	L   G K N G     E K   V     E       Q   L     S E E Q       V   A   L   S K S E
Junikef90_A8AXZ0	UniRef90_L7EN91	N D V CL S L P T I	NSSGIEKVIDIPLNIGEVKKLKESA
JniRef90_A8AXZ0  JniRef90_A8AXZ0  JniRef90_V7HY64  JniRef90_W9EDV5  JniRef90_G9WI90  JniRef90_B6YQU6  JniRef90_B6YQU6  JniRef90_U6EEN7  JniRef90_U6EEN7  JniRef90_UP1000258EE36  JniRef90_UP1000258EE36  JniRef90_UP10003783975  JniRef90_D3SE40  JniRef90_D3SE40  JniRef90_D3SE40  JniRef90_D3SE40  JniRef90_D3SE40  JniRef90_B6AHM1  JniRef90_B6AHM1  JniRef90_E4SV09  JniRef90_B6AHM1  JniRef90_B6AHM1  JniRef90_B6AHM1  JniRef90_D3SAM1  JNIRef90_D3SAM1  JN	UniRef90_K7RNP5	Y GYNDLFVGVPTI	GVDGI REVVNI HLTPEEKKAFDASV
JniRef90_W9EDV5  JniRef90_G9WI90  JniRef90_B6YQU6  JniRef90_U6EEN7  JniRef90_U5DC01  JniRef90_UP1000258EE36  JniRef90_UP10003783975  JniRef90_UP10003783975  JniRef90_D3SE40  JniRef90_D03SE40  JniRef90_D03SE40  JniRef90_D03DSE40  JniRef90_B6AHM1	UniRef90_A8AXZ0 UniRef90_V7HY64	Y Y A P L D T Y L S Y P A L Y N G L O D V Y L G T P A V	VIGRSGII LEQL QLITLITEEEEAKLARSA
Jniref90_B6YQU6 Jniref90_U5DC01 Jniref90_UP1000258EE36 Jniref90_UP10003783975 Jniref90_UP10002DAD185 Jniref90_UP10002DAD185 Jniref90_UP10002DAD185 Jniref90_E4SV09 Jniref90_E4SV09 Jniref90_B6AHM1 Jniref90_E4SV09 Jniref90_B6AHM1 Jniref90_E4SV09 Jniref90_B6AHM1 Jniref90_B6AV09 Jniref90_D3SE40 Jniref90_D3SE40 Jniref90_UP10002DAD185 JNIRef90_UP10002DAD185 JNIREf90_UP100	UniRef90_W9EDV5	FRSEYQVYLSYPVM	VIG Ř D GIV LIQ D N T L QL IT K Q E LIE QLIQ H S Á
D E   S D   V C L   G V P V K L   G T N G V E K   I   S V K M T D K E M E D F K T A A	UniRef90_G9WI90 UniRef90_B6YQU6	Y RAEYGSYLSYPAII Y GQENII <mark>C</mark> IIGVPVV	VIGRUGII VIA QILIQILIDILIT QDELLDKILIQIVIS A VIGRUGIVEKI I IDVIGII INVIFFKAILIFFKSIVI
JNIRef90_UP1000258E36 JNIRef90_UP10003783975 JNIRef90_A6Q7S2 JNIRef90_D3SE40 JNIRef90_UP10002DAD185 JNIRef90_B6AHM1 JNIRef90_E4SV09 JNIRef90_E4SV09 JNIRef90_D3R3M1 Y GH E V V C V V V V V V V V V V V V V V V V	UniRef90_U6EEN7	UDETS DVCLGVEVK	LGTNGVEKI ISVKMTDKEMEDFKTAA
JniRef90_R7D848	UniRef90_U5DC01 UniRef90_UPI000258EE36	HGTDKDVYMSVPCV	
Y G Y S D   V S G V P V M   G A G G A E K V   N M T L K P L Q Q T R F K N S V	UniRef90_R7D848	Y GEEGI FTSLPCV	GAEGIEQVYTLDLSDAELEGFHKS <mark>C</mark>
JniRef90_D3SE40       Y       G E R D V A M G V P C I L G Q G G M E R V I E L A L D A D E R A G F D Q S         JniRef90_UP10002DAD185       Y G F E D I Y L G V P T L L G A N G V E Q I F E         JniRef90_B6AHM1       Y G V K G L Y M G V P T V I G R N G L E R I I E L D L T P L E R K W L V E S I I N E R Y G A P L S L P T V I G K N G A G T V F D L A L T K A E K E R L D A S V I G Y P S I V G K H G V E E V P V L D L P A D E Q A K L E A S A I I I I I I I I I I I I I I I I I	UniRef90_UP10003783975 UniRef90_A6Q7S2	Y GYSDI VSGVPVM	GAGGAEKVI N <u>M</u> TLKPLQQTRFKNSV
JniRef90_B6AHM1  JniRef90_F7NEE8  JniRef90_J4C7U8  JniRef90_D3R3M1  Y G H K E V Y C G T L A V I G A G G V E R V V F L D L T P A E K E R Y D N C I J N R G V C G T L A V I G A G G V E R V F E L D L T P A E K E R Y D N C I J N R G V C G T L A V I G A G G V E R V F E L D L T P A E K E R Y D N C I J N R G V C G T L A V I G A G G V E R V F E L D L T P A E K E R Y D N C I J N R G V C G T L A V I G A D G V E E V M R L D L S D A E I D E F R K S C J N R G V E R V C G T C G R G G C C A G G C C C C C C C C C C C C C	UniRef90_D3SE40	Y GERDVAMGVECI	L IGQGGMERVIELALDADERAGFDQS
JniRef90_F7NE8	UniRef90_B6AHM1	Y GUK GUY MGV F TV	GRNGLERI LELDLT PLERK WLVESI
JniRef90_J4C7U8       Y       G       H       E       V       C       G       T       L       D       L       D       L       D       L       D       L       D       L       D       L       D       L       D       L       D       L       D       L       D       L       D       L       D       L       D       L       D       L       D       D       A       E       E       F       D       N       D       C       D	UniRef90_F7NEE8	NERYGAPILSLPTV YVESTGTYLGVPSL	I IGKNGAGTIVIF DILIAILIT KAEKERILIDAS V
Jniket90_D3R3M1       Y GEEGFFIISILPCVVGADGVEEVMRLDLSDAEIDEFRKSC         Jniket90_S6ETZ9       YGL NDVVVNVPMVISSKGVERILKYKLPADELEQLHQCA         Jniket90_F2N907       Y GQRGIFTSLPCLIGREGIEEVLDPGLDDAELELFRASC	UniRef90_J4C7U8	Y GHKEVYCGTLAV	I GAGGVERVEELDLTPAEKERYDN <mark>C</mark> L
JniRef90_F2N907 Y GQRGIIFTSLPCLIGREGIIEEVLDPGLDDAELELETRASC	UniRef90_D3R3M1 UniRef90_S6FTZ9	Y GEEGFFII SLP <mark>C</mark> V YGII NDVVVNVPMV	VIGADGIVIE EIVIMRILIDILISDAEII IDEFRKS <mark>C</mark> IISSKGIVIERII IIKYKII IPADEII EOII IHO CA
	UniRef90_50L129 UniRef90_F2N907	Y GQRGI FTSLPCI	I GREGIEEVLDPGLDDAELEEFRAS <mark>C</mark>

UniRef90_R4Q285 UniRef90_A5CF61 UniRef90_I0QNU7 UniRef90_G5H864 UniRef90_H1LCB8 UniRef90_F6B7Q3 UniRef90_S2XMB0 UniRef90_D2RHB2 UniRef90_T0YX18 UniRef90_UP1000426689E	330 K F   I   K S Q V D V L
UniRef90_A5CF61	NAVRELITTVQEL
UniRef90_I0QNU7 UniRef90_G5H864	E A V R K T N A V L K E [
UniRef90_H1LCB8	NYIK
UniRef90_F6B7Q3	QVLKEILIKQV
UniRei90_52XMB0 UniRef90_D2RHB2	E A V E S V K A S L K E L L K E R L K E L
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UniRef90_UPI000426689E	QAVREGIDQV
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UniRef90_T0YX18 UniRef90_UPl000426689E UniRef90_C3XNN7 UniRef90_F2NNI5 UniRef90_H1LIF6 UniRef90_K9YIS2	NFIK
UniRef90_K9YIS2	R S V R D S II D
UniRef90_Q0FLW6	EMLKQT
UniRef90_R6QWX2	DVIRTNIGY LEE
UniRef90_B0F113	GLISNSVKIISE
UniRef90_H1LIF6 UniRef90_K9YIS2 UniRef90_UPI000318D1F2 UniRef90_Q0FLW6 UniRef90_R6QWX2 UniRef90_B0FYI3 UniRef90_Q2GK85 UniRef90_U2PUJ3 UniRef90_UPI00047776DC	ERIRQTAASV
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UniRef90 G2ED55	EGVRKT
UniRef90_E4PKJ8	NVVREVIAS
UniRef90_IUHSG8 UniRef90_UPI000464F3RF	A H V A S K I A O I O
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UniRef90_E0TKE5	KI I DT MYKEAEE
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UniRef90_A8EUE8	NSVKESINILEN
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UniRef90_U6KZN5	PAVRAL VQAL
UniRef90_A0A0370PR1	E T L WNI Q K D L Q D L
UniRef90_U7UUC4	DVLRSFLDRAEAL
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UniRef90_R5E9U3	LMI A Q K T K E
UniRef90_A5VY92 UniRef90_R6PTG8	
UniRef90_M2S4P1	KGÜRGVIEGĀE
UniRef90_X1KHS5 UniRef90_G2D928	A A V Q K T V D E <mark>C</mark> A A V R A D I A R L
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UniRef90_Q4N6I8	K <u>E</u> IRRLESLIK
UniRef90_W7BAR5 UniRef90 Q9YEA1	AVIK QAVKKLVETL
UniRef90_D5T3B8	D A I
UniRef90_V5B069 UniRef90 Q9HJL5	T A I K S A <u>I V</u> S L A S V E A S <u>S</u> K K <u>V</u> D E
UniRef90_D2RK05	A A       R E N   V   N K <u>A</u> Y D <u>       </u>
UniRef90_S2ZPW9 UniRef90_F2I3I4	E
UniRef90_O08349	KILRERLEEL
UniRef90_L0L1F9 UniRef90_A3ZQY3	KSVR AAVKT <u>S</u> TQALQ
UniRef90_L7EN91	NSLKSIISSL
UniRef90_D4KE67	G S <u>A</u> R E <u>T</u> N A K <u>L</u> A E
UniRef90_K7RNP5 UniRef90_A8AXZ0	SRIAEVRD QFIQE
UniRef90_V7HY64	KTLKETLDNLKAL
UniRef90_W9EDV5 UniRef90_G9WI90	D F
UniRef90_B6YQU6	E A I   R R   V   N N I L
UniRef90_U6EEN7	K <u>V</u> VKEATDE <u>V</u>
UniRef90_U5DC01 UniRef90_UPI000258EE36	ESVR DKIRGALRE <mark>C</mark>
UniRef90_R7D848	QHIRDNIAQL
UniRef90_UPI0003783975 UniRef90_A6Q7S2	T
UniRef90_D3SE40	I A G V R K D L E R L
UniRef90_UPI0002DAD185	
UniRef90_B6AHM1 UniRef90_F7NEE8	S S V S N <u>L C</u> D V L E A N I K T Y V D E L
UniRef90_E4SV09	K K   L   K D S   L   A S   L   E
UniRef90_J4C7U8 UniRef90_D3R3M1	K E I R R L E A L I K A H V K E
UniRef90_S6ETZ9	K A L R Q V V E Q V A E
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UniRef90_X1TJJ1	A R Q L C D E L V L L D Q D K D L A E A E K Q D L T G Q V G R T G A V A I T A L R D V V D E L V F V D L P E D V T V G Q A A D A N H G L A Y D S N T E V S Q E L P Y V S D M L L V G R P E D F L A G C C R D L S D S A A R G T D I R L S Y S T N S L D D L F V N R T K S K A L G E A L D L S N A V P A N S N L T I H G T G L T F L D N M K L T A G A N G F A D Q L V L I D K N E A K V K A D A L D F E D A M S N L Q Y H T D L T V A K G A A D Q V V L I D L S E S T A K G G T M D L D F F S L P N V E L S V T G S V D K L V L I D T N E L K V N S D A T D F E D A L A N L P T H T K V V K E R S L C D T L F L F D K K E G L A E A E V S D L S D G F V R R N G H I N I V A A L G L F S R I S L I D V D K K V R D G Q A L D N H Q A T A V A P M T T T I T A L K G L S D E L A L V D L D E X K L K G E T M D L Q H G S P F X K M P N I V C S Q K N I A S E L C L V D V V A D K L K G E M M D L Q H G S P F X K M P N I V C S Q K N I A S E L C L V D V V A D K L K G E M M D L Q H G S P F X K M P N I V C S Q K N I A S E L C L V D V K E L R D A Q V R D L S D V A Y G I G G G T R V R A Q S P L I T E L S L Y D I V N T P G V S A D L S H M N T P A K V K Y N G P E Q N S L V T R L S L Y D I V N T P G V S A D L S H M N T P A K V K Y N G P E Q N S L V T R L S L Y D I A P V T P G V A V D L S H M D T P A Q V T G H K G P T Q G A A D D Y V F I D P N E K K V Q A E A L D F A D A N A N L A Y Q V N I T V G K S L A D E L T L V D V L E D K H K G E M M D L Q H T S K I D N F V T D
UniRef90_C6T714 UniRef90_V4Y1D5 UniRef90_A6UUM3 UniRef90_UP10004002BD6 UniRef90_M1YX07 UniRef90_F2US16 UniRef90_A9RZZ9 UniRef90_Q16ZI5 UniRef90_G0VJG3 UniRef90_UP100046693B7 UniRef90_UP100046693B7 UniRef90_E1ZRS4 UniRef90_E1ZRS4 UniRef90_D4A8P2 UniRef90_D4A8P2 UniRef90_UP10004704A2D UniRef90_UP10004704A2D UniRef90_UP10002B45551 UniRef90_UP10002B45551 UniRef90_UP10002B45551 UniRef90_UP10002B4551 UniRef90_UP10003B454 UniRef90_UP100035980A2 UniRef90_UP10003580A2 UniRef90_UP10003586115C	LNPL VS SL SL Y DI A A GT P GVA A D V S HI N T G SE V Y G F Q G D L N P L V S S L S L Y DI A GT P GVA A D V S HI N T G SE V Y G F Q G D L R D V V D E L V F V D L P D D E A V G Q A A D V S HI N T G SE V Y D S N T T V R Q K E K Y V R H I N L I S R E K D K L K G L K L D L Y D D A A E E L D V E I S V H D K A G V F G E I G V I D I D D E N L A R G E A V D Q E Q A A L T Y M N N I K V T H F K N L G D V V L I D I V E G M P Q G K A L D L Q Q G C L Q V F D S L I V G T L S H F V D E V A V Y D I Q H A K G V A A D L S H L D T A A K V T G H D G E M H P L V S T L H L Y D I V F N T P G V A A D L S H T N T S A V V R G F L G N A C S P L V T E L S L Y D I V F N T P G V A A D L S H T N T S A V V R G F L G N A C S P L V T E L S L Y D I V F N T P G V A A D L S H I D T N S T V K G Y T P D M R G C A T E I V L I D I K N A K G V A T D L S H I D T N S T V K G Y T P A C S P S V T V R A S P L V S V L S C Y D I R R E K A Q G L A T D V S H I N T P A S V T S G Y A Q D L S P Y V S E L A L Y D I A G T P G V A A D L S H I N T P A V T S G Y A Q D L S P Y V S E L A L Y D I A G T P G V A A D L S H I N T P A V T S G Y A G D M S P L V T E L S L Y D I A G T P G V A A D L S H I N T P A V T S G Y A G D M S P L V T E L S L Y D I A G T P G V A A D L S H I N T P A V T S G Y A G D M S P L V T E L S L Y D I A G T P G V A A D L S H I N T P A V T S G Y A G D M S P L V S E L A L Y D I A G T P G V A A D L S H I N T P A V T S G Y A G D M S P L V T E L S L Y D I A S C T P G V A A D L S H I N T P A V T S G Y A G D M S P L V T E L S L Y D I A N V K G V A A D L S H I N T P A V T S G Y A G D M S P L V T E L S L Y D I A N V K G V A A D L S H I N T P A V T S G Y A G D M S P L V T E L S L Y D I A N V K G V A A D L S H I N T P S K V Q D F T P S T L G F S E I V L I D I N K D L L F A R E L E L S Q I A A F N F D I K L T C C T M N P L L R L Y D I A N V K G V A A D L S H I N T T N T Y C H E T T T Y T C T T T T T T T T T T T T T T

	90 100 110 120
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UniRef90_B6BK78 UniRef90_E3T2Y8	ETLEDVKDCDVVVTTAGSPRLPGMSRDDLLTKNAQIMKDV
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UniRef90_V5F9J0 UniRef90_H8MGM5	T D WK D VA G S D V I I I T A G V P R K P G M S R E D L L D V N L K I M K D V
UniRef90_R4KCT2 UniRef90_Q7M9A7 UniRef90_Q04GC4	G D Y E D C K N A Q I I V M T A G P S L K P G E D R M L L A N K N V V V M N E V I N E P S D L R G C D V V V F C A G S P R Q P G M S R D D L L L A N A K V I R T V G D Y K D L A D A N L I V S T F G N V T V E S G D R F A E L Q F N V K Q I R S M
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UniRef90_W0ITY7 UniRef90_E6U6C3	G D Y A R A T D S D I F I I T A G L R R K P D E S R L D L I N R N V A L F L Q L G T F A D C A D A Q I V V I A A G T S V Q P G H D R L S L A A S N A A V I R D T
UniRef90_A0A023B8T1 UniRef90_Q8TSH7	G S Y A E A G Q S D L V I I T A G Y P Q K P G E P R S K L L G T N K S I M N D I N D Y A D I T D S D L V I I T A G I A R K P G M T R E D L M K T N S K I I G E V D Q K S S L E G C E V V I I P A G V P R K P G M T R D D L F N I N A S I V R D L
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UniRef90_D7GDR8 UniRef90_E1QXR3	GDYADLAGAQVVVITAGTSLKPGQTRLDLLAANVHVVSAV GGLEDYKNADVVICAAGPSIIPDPDRSLVTTVNSKVIRQV ENYDELLACDVVVNAAGHVAQSAGNRDGELFCTAEETKKW
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UniRef90_A5K221 UniRef90_C4LKR7	GTYDDTRDADIVI I I <mark>C</mark> AAGASII VIPDPDRPDII IAKIVIGAQAARDIVI
UniRef90_A3ZZ88 UniRef90_A7JYY7 UniRef90_Q5FIY9	D D Y L D L L E A S L V V T T A G T Q K Q G Q T R L D L A E V N A Q L G V D L
UniRef90_I0QHJ7 UniRef90_G1K890	N D Y A A LE D A D V I I S S L G N I Q N A G E D R F A E F P F T R E A V V V V K D F S A S A H S K L V V L T V N S L G N G D S Y L D V V Q S N V E L F R N I V D Y T V T A G S D L C I V T A G A R Q N P G E S R L N L L Q R N L A M Y K S L S K P E E L G S C D L I I F A A G D L T Q N N T D R F A E L T Y T R T T V E Q W G D Y A D T A G S D V V V I T A G I P R E P G Q S R L D L A S D N A P I M A D L T A G S D V V V I T A G I P R E P G Q S R L D L A S D N A P I M A D L T A G S D V V V I T A G I P R E P G Q S R L D L A S D N A P I M A D L T A G S D V V V I T A G I P R E P G Q S R L D L A S D N A P I M A D L T A G S D V V V I T A G I P R E P G Q S R L D L A S D N A P I M A D L T A G S D V V V I T A G I P R E P G Q S R L D L A S D N A P I M A D L T A G S D V V V I T A G I P R E P G Q S R L D L A S D N A P I M A D L T A G S D V V V I T A G I P R E P G Q S R L D L A S D N A P I M A D L T A G S D V V V I T A G I P R E P G Q S R L D L A S D N A P I M A D L T A G S D V V V I T A G I P R E P G Q S R L D L A S D N A P I M A D L T A G S D V V V I T A G I P R E P G Q S R L D L A S D N A P I M A D L T A G S D V V V I T A G I P R E P G Q S R L D L A S D N A P I M A D L T A G S D V V V I T A G I P R E P G Q S R L D L A S D N A P I M A D L T A G S D V V V I T A G I P R E P G Q S R L D L A S D N A P I M A D L T A G S D V V V I T A G I P R E P G Q S R L D L A S D N A P I M A D L T A G S D V V V I T A G I P R E P G Q S R L D L A S D N A P I M A D L T A G S D N A P I M A D L T
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UniRef90_Q6J9I8 UniRef90_C7DRP0 UniRef90_T2D6V9	IVID V EILIT K G G KILI <mark>C</mark> IV VIT A GIVID O D E G E G DILIGIL VIO D NIVIEILIE K GIL
UniRef90_G2R5U2 UniRef90_F4WPA4	ATHSEAAQ <mark>C</mark> DIVVITAGSKYFLGETSIQHMHRNIGVMRSV QLKDSLKGSQVVIIPAGVPRKPGMTRDDLFNTNASIVRDL
UniRef90_I4DQC2 UniRef90_UPI0003B50BAF	VPNLENLASCDI I LAFRKESLKESRLVELQNNI LELKDI ATHSEAAQCDI VVI TAGSKYFLGETSLQHMHRNI GVMRSV QLKDSLKGSQVVI I PAGVPRKPGMTRDDLFNTNASI VRDL EQLAAVECADLVVI PAGVPRKPGMTRDDLFNTNASI VRDI NDWTALDDADLI I VALGKINNPSHDRFI ELPFTAKQVPTV
UniRef90_M3X7W9 UniRef90_X1TJJ1 UniRef90_M0XD84	K D Y S M T A N S K L V V V T V G V C Q Q E G D S L N L V Q R N V N V F K C I L L Q R N A D I V K S I D Q L A E A L D G D L V I I P A G V P R K P G M T R D D L F N I N A G I V K N L
UniRef90_M0XD64 UniRef90_C6T7I4 UniRef90_V4Y1D5	GDYEATAGSDIVVIITAGII PROPGOTRI DILAGDNAGII MESII
UniRef90_A6UUM3 UniRef90_UPI0004002BD6	K D L   S   V V C N S K     T         P A G A P R T G D M T R L D L   A K K N A G   V   K R Y G G Y E O T D D A D V I V I   A A G N S M K P D P N R A T L   A K   T S K T I   R D   V
UniRef90_M1YX07 UniRef90_F2US16 UniRef90_A9RZZ9	GEILIADAKGSNII VIIIPAGIVIPRKPGMTRDDILIFNTNASII VIASILI
UniRef90_A9RZZ9 UniRef90_Q16ZI5 UniRef90_G0VJG3	NLEKALANADI VI I PAGVPRKPGMTRDDLFNTNASI VRDL QPDDALKDTDVVLIPAGVPRKPGMTRDDLFNTNAGI VSGL
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UniRef90_Q9Y750 UniRef90_E1ZRS4	DII IF GAIVID GA FIL VILLIPAGMPRKPGMTRD DII IF NS NA SIL VIR DII I
UniRef90_D4A8P2 UniRef90_UPI0004704A2D UniRef90_B9KGG0	DQLGEAKGADVVIIPAGVPRKPGMTRDDLFKINAGIVRAL DTYAKTANSKLVIITAQACQQEGDNQFNLVQQNMNILNFI ESLDLLDGADVVVMSAGRSRRPGMERSELAAVNARVIRQA
UniRef90_B9KGG0 UniRef90_A4RYV9 UniRef90_UPI0002B45551	D D Y A H S K D S Q V V I F S A G V A R K E G Q S R D E L F A I N A K I MLE C G E L G A A K D A D V V I I P A G V P R K P G M T R D D L F A I N G G I V K G L E L A N A L K D V D V V V I P A G V P R K P G M T R D D L F N I N A G I V K S L G D Y V D C A H C D V I V I T A G I T L K G E Q T R D A L L G E N A A L I R T L
UniRef90_W6EAU2 UniRef90_B9DK48	GIYQDESDADII VI VISASAPSIPEMDRIELERANSEI VIASIVI
UniRef90_I0GS79 UniRef90_D8U454	N G Y A P T E G S D V V V V T S G M P R K P G M T R E E L I G V N A K I V K G V G L A E L L R G C D L V I I P A G V P R K P G M T R D D L F K L N A G I V R D L S C N A K I W R D L L L L L L L L L L L L L L L L L L
UniRef90_G0EHD0 UniRef90_UPI00035980A2 UniRef90 H2GDF3	EQLDCVKDADLVLIPAGVPRKPGM3KKDLAGQNAKIIMKIII EQLDCVKDADLVLIPAGVPRKPGMTRDDLFNTNASIVANL GTYADCADADVLICAAGESIVPPNRSEIAOIISGAVIRDV
UniRef90_UPI000366115C UniRef90_F7G233	GLAEALRGCDLVIIPAGVPRKPGMTRDDLFKINAGIVRDL SDASEVAGADIVIVTAGVPRKPGMSRRDLAGQNAKIMKTII EQLDCVKDADLVLIPAGVPRKPGMTRDDLFNTNASIVANL GTYADCADADVIICAAGESLVPDPNRSELAQISGAVIRDV DPSPALLNADIVLISAGVARKPGMDRSDLFNINAGIVKNL KDLSASWNSKVVIFTV NSLGNSHTYLDVVQNNVDMFKEL
UniRef90_U7PDP6 UniRef90_H3BAH2	G G Y Q D L V D A D V V I V S A S A A S T P D M D R T L L T K A N S V I V N D V K V E V A F K D L D A A I L V G S M P R R E G M E R K D L L K A N V N I F K T Q G L A A A L K G A E I V V V P A G V P R K P G M T R D D L F N T N A S I V R D L D P S P A L V G A D V V L I S A G V A R K P G M D R S D L F N L N A G I V K N L
UniRef90_M3A4J1 UniRef90_A0KG16	G   L   A A A   L   K G A E   I V V V   P A G   V   P R K P G M T R D D   L   F N T N A S   I V   R D   L   D P S P A   L V   G A D   V V L I   S A G   V   A R K P G M D R S D   L   F N   N A G   I V   K N   L

	130 140 150 160
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UniRef90_UPI0004758974 UniRef90_F8DF75	LQALTEQAPHAVIVIVSNP <mark>C</mark> DALTVVAQEATGLPPNRIFS ARDLKASGFSG <u>VL</u> LVVTNPVD <u>A</u> VTQLYQQYTGLPKEQVIG
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UniRef90_Q7NHJ3	T Q K A V A H S P E A T V V V V T N P L D A M S H V A W R A S G L V P E R V M G T L N I V K S G F N G I F L V A S N P V D I J T Y L V K K Y S K F P A G K V J G
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UniRef90_H8MGM5 UniRef90_R4KCT2	A G N I K Q H A P D A F V I N V A N P L D A M V F A L H K I A G L K D N M V V G M S S I T K Y T K D A V I I L V T N P V D L V T Y L A Q N H F D Y P K E K I I G
UniRef90_Q7M9A7	LIS EIVIK P YII IQ E SIV L VIMIVIS N PILID A MIVIY T AII IK E S GILIS PILIQIV LIG
UniRef90_Q04GC4 UniRef90_UPI000333B702	A E Q L K K V H F D G V F L T I T N P V D V I T A V Y Q R E L A L P K N Q V I G L P N V S K C S P N C K L P V V T N P V V I L I Y V A W K I S G F S K N H V I S
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UniRef90_R2RHY5 UniRef90_R5T9E8	A P K I K E S G F N G I L L N I T N P C D V I T Q Y L Q E L T V F P Q E R V L G V P K V M A G G F H G L F V S I T N P C D V V A N L I A R K S G L P K G H V M G
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UniRef90_X0PQI0 UniRef90_U3AEF2	APEIKAANFKGVILNITNP <mark>C</mark> DVITQYMQQLTGFSKNRVLG GDSLAEHSDDFV <u>TVTT</u> SNPVDL <u>L</u> NR <u>HLY</u> ETGERPREQV <u>I</u> G
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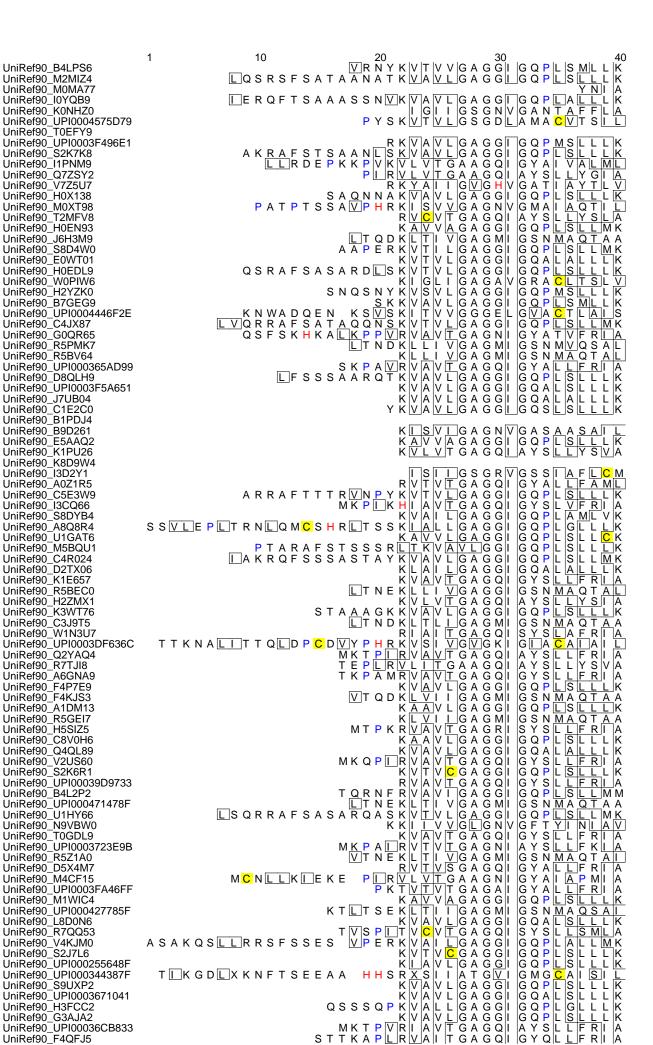
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UniRef90_C7DRP0 UniRef90_T2D6V9 UniRef90_G2R5U2 UniRef90_F4WPA4 UniRef90_UPI0003B50BAF	WS GVN VA GVA LR DVK P D L G K S A D S D K W Q LS N A S V L G Q N L L D F Y K Q K L G K D L D L Q E L E K A V I S E G Y F WS S A T L N G V P L D Q F L P P E Q C N H A D L A N E C K H I S E D L I S Q C T P S V S F P D N Q L K A L T E R I Q E A G T E V L S Q S C P A V N L T D Q S K WS T V R V L N Q P L V D L I E R Y H L D L D Q L D A E A K A G G F T
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UniRef90_G0EHD0 UniRef90_UPI00035980A2 UniRef90_H2GDF3 UniRef90_UPI000366115C UniRef90_F7G233 UniRef90_U7PDP6 UniRef90_H3BAH2 UniRef90_M3A4J1 UniRef90_A0KG16	VI A A T G A T M W G P A G A F I K V I R G F A I P E D H L L A F G V E M K F V V E A K G S A T L S M A Y A A A E F A N S L L E A M N G T E G K V Q C A F V A V L L S K G W T N A G V A R S A N E L A K C V L L N E R A V H P I C T P L H G E V V E A K G S A T L S M G Q A A A K F G L S L V R A L N G E K D V I E C T Y V E I L K V K G Q R S W S V G L S I S D L V D S I I N N K K K V H S V S V L A K G Y V F K K K G W T N S A I S R A A V Q L A Q S I L F D E H S I E P V S G L V Q G A I K A R K L S S A M S A A K A C D H M R N I W F D E F I S M G V G N A I V V K A K D S A T L S M G Q A A C R F G L S L I K G L Q G E A N V I E C A Y V E

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UniRef90_A9RZZ9	E K C K
UniRef90_UP100046693B7 V P D V F F S C P V E L G V Q N G I A K V H K P V F N K H E E G L L	MRSV EKCV
UniRef90_Q9Y750	DA <mark>C</mark> L
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UniRef90_C7DRP0	
UniRef90_T2D6V9 UniRef90_G2R5U2	E R L K E T L E R L K H
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UniRef90_G0VJG3 UniRef90_UPI00046693B7	<u>D</u> ALKAAI GRMK
UniRef90_G0UVP4	<u>V</u>  E L K K N I  A N
UniRef90_Q9Y750 UniRef90_E1ZRS4	P D L A K N I K P E L R S S I E
UniRef90_D4A8P2	D
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UniRef90_F7G233	SSI <mark>H</mark> SLQNQLK NFIQTALEQ
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UniRef90_M0MA77 UniRef90_I0YQB9 UniRef90_K0NHZ0 UniRef90_UPI0004575D79	LRGIADEL VFVDI PEDTTIGQAADVNHGVAY DTNTTVRQGSPLISELSLYDI V GTEGVGADLSHIDSSPKVSSYTGAEKG VDDVMLYDI RKGTAKGKALDMEAAPIRGYRTQISGAKEL VERL VFLQTSENMLRGGSLELEIFSLPRVDS S
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UniRef90_Q7ZSY2 UniRef90_V7Z5U7 UniRef90_H0X138 UniRef90_M0XT98 UniRef90_T2MFV8	CKGIADELILIDTNAAKARAEQLDLQDAQARLDSRTIIKI NSPLVSRLTLYDIA HTPGVAADLSHIETRATVKGTGHT
UniRef90_T0EN93 UniRef90_J6H3M9 UniRef90_S8D4W0 UniRef90_E0WT01	NGDVFGKLLLDIPPMCVEGVVLELQDCSLPLLHDAIATS TSPLISELALYDVV NTPGVAADLSHISSPAKITGYLPK MMSLTPNICLYDPFPTGLEGVAEEIRHCGFEGLNLTFT LNPLVSSLSLYDIAA TPGVAADVGHINTFGVKGYVGEE TQPKGSALSLYDVAPVTP GVAADLSHIPTAVTIEGFTGT LNPRVTELALYDIRGPVLPGVAADISHINTKSKVTGYTPS
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UniRef90_R5BV64 UniRef90_UPl000365AD99 UniRef90_D8QLH9 UniRef90_UPl0003F5A651	INPEVISIONE SE VIOLEN REAP GIVE A DIVISION TA SELVE GIVEN DE LA SE
UniRef90_J7UB04 UniRef90_C1E2C0 UniRef90_B1PDJ4 UniRef90_B9D261	T Q P S G S D L T L Y D I A P V T P G V A K D L S H L P T D V R I T G F A G E M N P L I S D L A L Y D I A N T P G V A A D L S H T N T T C S V K G Y A G E V G D
UniRef90_E5AAQ2 UniRef90_K1PU26 UniRef90_K8D9W4 UniRef90_I3D2Y1	LRGIADDIALVDIFGDVARAKAIDLSQAAVFGLDASVÄĞĞ SCQLVDELALYDVVNS PGVATDLSHISTPAKVITGYLPK RGDVFGKLVLLDIAPMMLNGVVMELTDCSLPLLQQVIPSC SHVL DDVLLVNRNENKAIGEALDISNAIPSNSEFSIRGT
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UniRef90_F4KJS3 UniRef90_A1DM13 UniRef90_R5GEI7 UniRef90_H5SIZ5	NGDMPVILQLLDITPALPKGVVMELEDCAFPLLQGVVITDGNMSVTELALFDIVNTPGVAADLSHINTPAKVTGYVQDMMRLTPNICLYDPYAKGLGGVWEEMRHCGFDGINLTFTSACPLVDELALYDVVNTPGVAADLSHISSVAKVSGYLPKMMRLTPNICLYDPYLPGLEGVAEEIRHCGFQGLNMTFTDAGDLLGQLLEIEPMAKTLQGVVLELQDCAFPLLAGVVATHASPFIDELALYDVVNNTPGVAADLSHISSVAKVSGYLPKLQLPAGDLALYDVVNNTPGVAADLSHIPTAVNVKGFSGEGKDQPVILQLLEIAQQALQGVKMELDDCAFPLLNEIICTDQSNLISHLALYDIVNAHGVAADLSHIDTSSKVTGHVGPGPDQPVILQLLEITPDALNGVAMELEDCAFPLVAGITMSDKDHVGPGPDQPVILQLLEITPDALNGVAMELEDCAFPLVAGITMSDKDHVGPGPGPDQPVILQLLEITPDALNGVAMELEDCAFPLVAGITMSDKDHVGP
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UniRef90_UPI000427785F UniRef90_L8D0N6 UniRef90_R7QQ53 UniRef90_V4KJM0 UniRef90_S2J7L6	LMGLSDNICLYDPYAKGLEGVAEELLQCGFKGLNLSFT SNGPAGSELALYDVAPVVPG VAVDLSHIPTAVKVSGHGKDGPEQPVTLHLLEIPPPALAGVVMELLDGAFPLLHSVTQTALNPLVSSLSLYDIA NTPGVAADVGHINTRSEVAGYMGDQSELITHLSLYDIV NTPGVAADLSHINTQSKVTGHVGANQPAGSELALYDIVAPFTPGVAADLSHINTQSKVTGHVGANQPAGSELALYDIVAPFTPGVAADLSHINTQSKVTGHVGANQPAGSELALYDVAPFTPGVAADLSHIPSDVNLEGFTGD
UniRef90_S2J7L6 UniRef90_UPI000255648F UniRef90_UPI000344387F UniRef90_S9UXP2 UniRef90_UPI0003671041	HHKDVTQLNIYDV KGAPGVAADLSHISTSKVVGFGAE
UniRef90_UF10003671041 UniRef90_H3FCC2 UniRef90_G3AJA2 UniRef90_UP100036CB833 UniRef90_F4QFJ5	QDSNIANLALYDLXPVIP GVAVDLSHIPIAVSVIGFGKE QDSNIANLALYDLXP GTPGVAADLSHIDSNVRVKAYTGA LNPQVDELALFDVV NVPGVGADLSHINSDSKTESFLPA GKDQPVILQLLEIPPAILKGVVMELEDCAFPLLAGVTLSD SQPIILQCLELPQALNALKGVSMELDDCAFPLLKGLVQTD

II 'B '60 B # B00	90 100 110 120
UniRef90_B4LPS6 UniRef90_M2MIZ4 UniRef90_M0MA77	K Q Q E L I D D S H V V V V P A G L P R Q P G M T R D Q L E D A N S G V A M A V G K E C L T G A Q I V L I P A G V P R K P G M T R D D L F N T N A S I V R D L G T Y E D T A G S D V V V I T A G I P R Q P G Q T R L D L G E D N A P I ME D I
UniRef90_I0YQB9 UniRef90_K0NHZ0 UniRef90_UPI0004575D79	E E L P E A L G S S L V V I P A G V P R K P G M T R D D L F N N A G I V R D L T D R P E D L G C D I I I I T A G A V R K P G M T R D A L F W E N K K I I D V Y K D M S A S A G S N V V V V T A N T L G K E G S Y V N V L Q S N V E L F R S L
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UniRef90_S2K7K8 UniRef90_I1PNM9 UniRef90_Q7ZSY2	NDGLKAADAHVVVI PAGVPRKPGMTRDDLFNTNASI VRDL DEAEAFKGVNVAI VI GGWPRRDGMERKDLI SKNVTI YKSQ KEDVAFKDLDAAI LVGSMPRREGMERKDLLKANVAI FKSQ
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UniRef90_16H3M9 UniRef90_S8D4W0	DI KEALTGAKYI VSSGGAPRKDGMTREDLLKGNAEI AAQL QLKEALEGSDVVI I PAGVPRKPGMTRDDLFTINAGI VKSL
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UniRef90_UPI000365AD99 UniRef90_D8QLH9 UniRef90_UPI0003F5A651	D P K E A F K D A Q I AL L V G S R P R G P G M E R A D L L Q I N A K I F I E Q Q L D A A L E G T K V V V I P A G V P R K P G M T R D D L F N T N A S I V R D L D P S P A L E G A D I V L I S A G V A R K P G M D R A D L F N I N A G I V K N L
UniRef90_J7UB04 UniRef90_C1E2C0	D P T P A L L E G A D I V L I S A G V A R K P G M D R S D L F N V N A G I V R N L E Q L A D A K G C D L V I I P A G V P R K P G M T R D D L F S I N A G I V K N L L
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UniRef90_R5BEC0 UniRef90_H2ZMX1	D
UniRef90_K3WT76 UniRef90_C3J9T5 UniRef90_W1N3U7	NAHDALKGSDIVVIPAGVPRKPGMTRDDLFNTNAGIVQSL SIEEALRGAKYLISAGGAPRKEGMTREDLLRGNSQIAAEL DPNVAFKDADFALLVGARPRGPGMERKDLLEANAAIFSVQ
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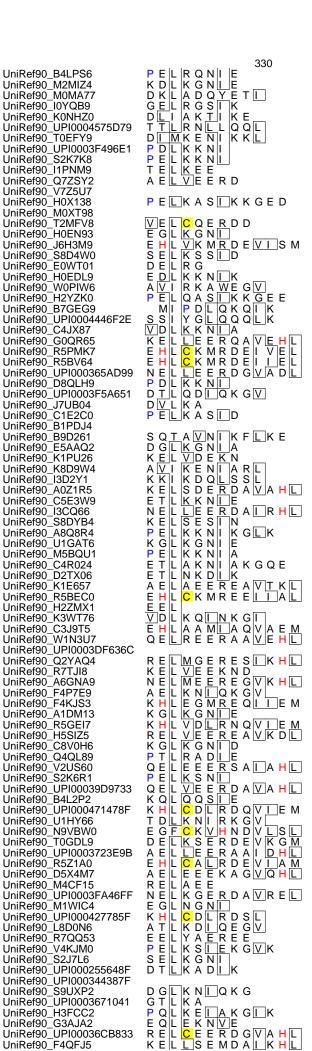
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UniRef90_K0NHZ0	<u>A</u> SK <u>IIT</u> GSD <u>T K</u>  VIII <u>V</u>  T E P V D <u>F L</u>  T T V F A R I S G  <u>L</u>  P A N Q I <u>M</u> G	
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UniRef90_H0X138 UniRef90_M0XT98	TAACAQHCPEAMII ICII I IAN PIVIN STII IPII VIFKKH GIVIYN PN KII IF	
UniRef90_T2MFV8	GKALDTYAKKTVVLVVGNPANTN <mark>CLI</mark> AQR <mark>C</mark> APSIPKENFS	
UniRef90_H0EN93 UniRef90_J6H3M9	I E V I A D V A P K A Y I L I I S N P V N S T V P I A L K A K N V F D P K R L F G K D I K A Y C P D R H V V I I F N P A D L T G L V T L I H S G L R P E Q V T	
UniRef90_S8D4W0 UniRef90_E0WT01	I E A V A K F S P K A L I N M I S N P V N S T V P I A L K S N G V Y D E K R L L VE Q L A T T C P K A L I G I I T N P V N T T V P I A L K K A G V Y D K N K L F	
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UniRef90_M5BQU1 UniRef90_C4R024	S E A L A E F C P K A L VNI I S N P V N S T V P L A E K K H G V F D P R R L L S E A A A K N C P K A F V A I I T N P V N S T V P L A E K K H G V F D P R R L F L K G I A E F C P N S F L L V I S N P V N S T V P L A E K K A G K F D P K R L F A K A V A D N A P D A H L L I I S N P V N S T V P L A L K K A G K F D P K R L F A K A V G D Y S P S A A V A I I S N P V N S T V P L V L K S K G V Y N P K K L F L E K V A H S C P K A L I G L T N P V N T T V P L A L K K A G V Y D R N R L F L E K V A H S C P K A L I G L T N P V N T T V P L A L K K A G V Y D R N R L F L E K V A H S C P K A L I G L T N P V N T T V P L A L K K A G V Y D R N R L F L E K V A H S C P K A L I G L T N P V N T T V P L A L K K A G V Y D R N R L F L E K V A H S C P K A L I G L T N P V N T T V P L A L K K A G V Y D R N R L F L E K V A H S C P K A L I G L T N P V N T T V P L A L K K A G V Y D R N R L F L E K V A H S C P K A L I G L T N P V N T T V P L A L K K A G V Y D R N R L F L E K V A H S C P K A L I G L T N P V N T T V P L A L K K A G V Y D R N R L F L E K V A H S C P K A L I G L T N P V N T T V P L A L K K A G V Y D R N R L F L E K V A H S C P K A L I G L T N P V N T T V P L A L K K A G V Y D R N R L F L E K V A H S C P K A L I G L T N P V N T T V P L A L K K A G V Y D R N R L F L E K V A H S C P K A L I G L T N P V N T T V P L A L K K A G V Y D R N R L F L E K V A H S C P K A L I G L T N P V N T T V P L A L K K A G V Y D R N R L F L E K V A H S C P K A L I G L T N P V N T T V P L A L K K A G V Y D R N R L F L E K V A H S C P K A L I G L T N P V N T T V P L A L K K A G V Y D R N R L F L E K V A L T T T N P V N T T V P L A L K K A G V Y D R N R L F L T T T N P V N T T T V P L A L K K A G V Y D R N R L F T T T T T T T T T T T T T T T T T T	
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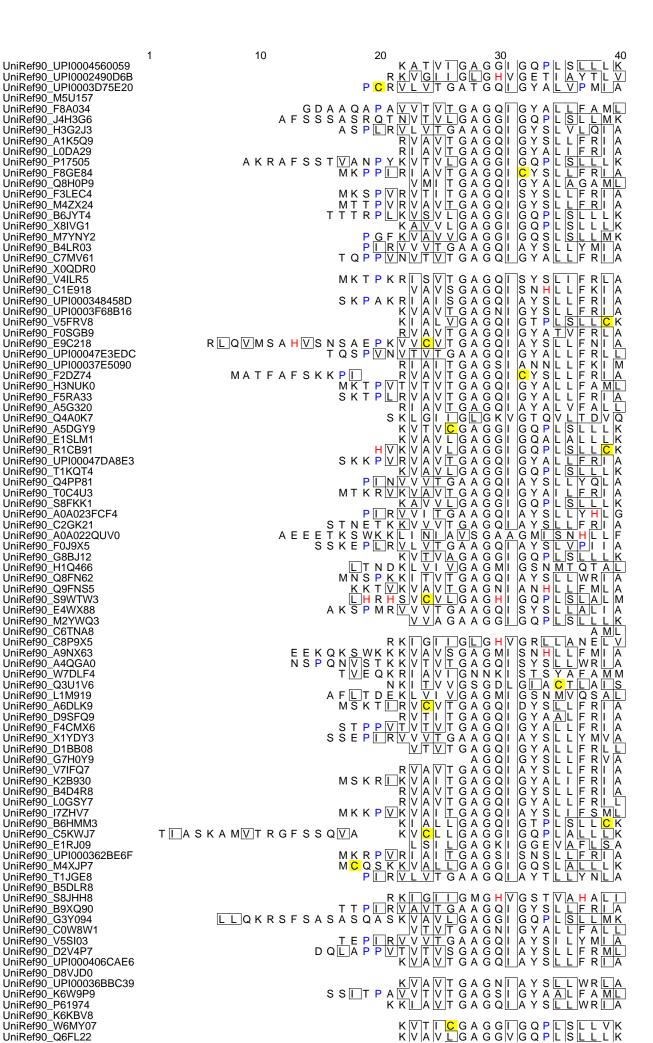
Jankeedo, MAMAZAT  Fig. 10 D V R A K T E   A D Y M N   D P A T Y E   B P V   G G H A G K T I L P P MARKED, MAMAZAT  Fig. 10 D S A R A R F V   R G M R T V   R M N T Y V   G G G G G A V Y Y V V   G G G G G A V Y Y V V V   G G G G G A V V Y V V V V V V V V V V V V V V V V			170	180	190 200
Interest	UniRef90_B4LPS6		DVVRAKTFI	A D Y M N L D P A T	VEI PVIGGHAGKTI LP
June   June		GVTTL FGGRI	DVVRASRFII DSARFRYVI	S QL K N T D P A N G F R F D T OVG N	I E NIL T V V G G H S G A T I V P
June   June	UniRef90_I0YQB9	GVTKL	DVLRANTFV	AQAIIGVPPER	MSVPVIGGHAGVTILP
June   June	UniRef90_K0NHZ0	<u> </u>	DATRLRFLI	AEELKVSTEN	VSAQVIGRHMDDMIIL
June   June	· . · . · · <del>-</del>	SGTTL	DSSRLRYLL	SEI LIDVNSKN	VHAYVMGEHGENQ <u>VAV</u>
June   June	UniRef90_UPI0003F496E1	GVTTL	DVVRSSRFL	A E I K G L D P K D	VKVTVVGGHSGVTCVP
June   June		G V T T L	DVVRASRFV DHNRALGOV	A E V K N L D P K D A E K L N V H V G D	DVKVTVVGGHS
June   June	UniRef90_Q7ZSY2		DHNRASSQV	ALRCGLAPNN	KNVIIWGNHSSTQYPD
June   June	UniRef90_V7Z5U7	$C \times T = T = T$	DTARMQKVV	A E A F N <mark>C</mark> D P K N A E I K G I D P A R	III S G Y V Y G E H G E S Q F S V
Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo	UniRef90_M0XT98	SGTNL	DSSRFRFLI	A E H L D V N A Q C	VQG
Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo	UniRef90_T2MFV8	C L T R L	DQNRAVSQV	A MRLIGVKTNV	KKVIIWGNHSSTQYPD
Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo	UniRef90_J6H3M9	TLAAL	DSTRLQSEL	AKHFGVAQSE	V VARTYGGHGEAMAVF
Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo   Wideling   Sinkergo	UniRef90_S8D4W0	GVTTL	DVVRAKTFY	A G K A N A N V A D	VKVPVVGGHAGITILP
Junkergo (Jung)  S. G. Till, L. D. S. D. K. M. F. H. L. A. E. H. A. G. V. H. P. S. A. V. E. A. M. V. L. G. G. H. A. G. V. H. J. S. J. A. V. E. A. M. V. E. G. G. T. H. L. D. S. D. K. M. F. H. L. A. E. A. K. G. V. H. P. S. A. V. E. A. M. V. L. G. G. H. A. G. J. H. L. J. J. J. S. L. R. L. J. S. D. K. M. F. H. J. A. E. A. K. G. V. H. P. S. A. V. E. A. M. V. L. G. G. H. A. G. J. H. V. J. J. J. J. J. J. J. J. J. J. J. J. J.	UniRef90_E0W101				
Junkelso DP10004446F2E  GVT T F DV_R A N T F A A A H M GV, D P A S V DV T V V I G G H A G LI T L L L L L L L L L L L L L L L L L	UniRef90_W0PIW6	SGTLL	D S Q R M R F H I	ARHAGVHPS A	VEAMVLGEHGTSQVFI
JAMESSON STATES STATES AND A STATE OF A STAT		GIVIT TE	DVIRANTFA	A A H M G V D P A S	VDVTVIGGHAGITIL
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JAMESSON STATES STATES AND A STATE OF A STAT	UniRef90_C4JX87 UniRef90_G0QR65	AMTRI	DHDRGLTOII	A Q K L K <mark>C H</mark> V D C	I E E [V] P [V V] G G H S G [V] I [I V] P I I Q N F C W G N H S P T M Y P D
JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSO	UniRef90_R5PMK7	SLAAL	DSTRLQQAL	A LEFGVQQD K	VTAHTYGGHGEQMAVF
JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSO	UniRef90_R5BV64 UniRef90_UPI000365AD99	SILIA AIL A MILIRI	D H N R A L T OI	A Q K S G K A V K D	I NATITGGHGEAMAVF I RDFVWGNHSPTMYPD
JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSO	UniRef90_D8QLH9_	GVTTL	DVVRAARFV	Ģ Ģ ŽĀ Ğ Ž D P K E	CVVPVVGGHSGATIVP
JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSO		G V I S L G V T T I	DI I RSNTFV	A E A K G L S P E D A E L K G K K P O F	
JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSO	UniRef90_C1E2C0	<u>GVTTL</u>	DVVRSNTFI	SEĀKĞÜDVŅĪ	VDVPVVGGHAGUTULP
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JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSO		A L T R L	D Q N R A Q A Q V	A A RILIGIVI <mark>P</mark> N S A A F A ILIFILIGIP O S	VKN <mark>C</mark> I WGNHSSTQYPD
JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSO	UniRef90_I3D2Y1	I A S S L	DSSRFRYLI	SKKFAMPQSL	I NALVIGEHGDSMIPL
JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSO		AMTRIL	D H N R A A T QII	A Q K T G T T V N D S E V O G T N P T C	DE HVNV VGGHSGLTLIP
JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSO	UniRef90_I3CQ66	AMMRL	D H N R A R A M L	A K RL G E P V D S	EQVVVWGNHSPTMYAD
JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSO		GVTKL	DV VRANTFL DV VRSAAFV	GE <u>IVL</u> IGILIDPRD AGAKNI DAFF	
JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSON CARROST  JURINERSO	UniRef90_U1GAT6	GVTTL	DVVRAETFV	QDITGERDPS	KTVIPVIGHSGETIVP
IniRef90		GVITTL	DV VRAARFIL	S E IV ID G A T P D E S O V IQ G T N P A S	FPVTVVGGHSGVTIVP
Jinkergo	UniRef90_D2TX06	GVTTL	DIIRSNTFV	AELKGKKPQE	Ī E V T V L G G H S G V T L L P
JniRef90 H2ZMX1 JniRef90 K3MYT6 GV TT L D VR A N N F VA A E S Q GWD PR TT N VK V L I WG N H S S T Q Y P D JniRef90 C3.99T5 JniRef90 W1N3U7 Jni		SILAAI	11 2 1 811 12 5 211 1	4 K F (, (1)V   () 5 K	
Jinkef90	UniRef90_H2ZMX1	CLTRL	DQNRAQSQI	A A R L G V N D C V	SNVIIWGNHSSTQYPD
Jinkef90		TIAAI	D S N R I O S F I	A E S Q G W D P R I A K H F G V I Q S K	T C C R T Y G G H G F S M A V F
JniRef90	UniRef90_W1N3U7	AMMRIL	IDHNRAKSQILI	AQKIGKHIVII D	UVID N MIVIWG N H S A I Q Y P D
JniRef90_A1DM13 JniRef90_A1DM13 JniRef90_A5CBL7 JniRef90_HSSIZ5 A M T R L D N R A L D S T R L Q S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K A F T S V P V L G G H S G V T L L P V P V L G G H S G V T L L P V R S T T L D V L R S E T F V A L L E A N R P R Q V N V P V L G G H S G V T L L P V R S T T L D L V R A S R F V S E L K G T D P A D E Q V T V V G G H S G V T L V P D J N R R S T E V S E L A K H F G L E Q S K T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S P V T V V G G H S G V T L V P D J N R R S T E V S E L A K H F G L R Q S P V T L V P D D A D S V S V N M M L A L D S T R L R S E L S K V M E V L G T L W G N H S A T Q Y P D D A D S V S V N M M L A L G S T L R V P V D G T L W G N H S A T Q Y P D D A D S V S V N M M L A L G S T L R V P V L G G H S G T L V P D D A D S V S V N M L A L G S T L R V P V L G G H S G T L V P D D A D S V S V N M L V L W G N H S A T Q Y P D D A D S V S V N M L A L G S T L R V P V L G G H S G T L V P D D N R R S T R L R N R L A S T F V S E L	UniRef90_UPI0003DF636C UniRef90_Q2YAQ4	SMMRL	DHNRAVFQL	S R R L N V A R S S A V K V G Q P V S S	V R K MI WG N H S S A Q Y P D
JniRef90_A1DM13 JniRef90_A1DM13 JniRef90_A5CBL7 JniRef90_HSSIZ5 A M T R L D N R A L D S T R L Q S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S Q T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K A F T S V P V L G G H S G V T L L P V P V L G G H S G V T L L P V R S T T L D V L R S E T F V A L L E A N R P R Q V N V P V L G G H S G V T L L P V R S T T L D L V R A S R F V S E L K G T D P A D E Q V T V V G G H S G V T L V P D J N R R S T E V S E L A K H F G L E Q S K T N T R T Y G G H G E Q M A V F J N R R S P V S E L A K H F G L R Q S P V T V V G G H S G V T L V P D J N R R S T E V S E L A K H F G L R Q S P V T L V P D D A D S V S V N M M L A L D S T R L R S E L S K V M E V L G T L W G N H S A T Q Y P D D A D S V S V N M M L A L G S T L R V P V D G T L W G N H S A T Q Y P D D A D S V S V N M M L A L G S T L R V P V L G G H S G T L V P D D A D S V S V N M L A L G S T L R V P V L G G H S G T L V P D D A D S V S V N M L V L W G N H S A T Q Y P D D A D S V S V N M L A L G S T L R V P V L G G H S G T L V P D D N R R S T R L R N R L A S T F V S E L	UniRef90_R7TJI8	CLTRL	DQNRAAAQI	AERVGVTSQD	KNVI I WGNHSSTQFPD
JniRef90_UP1000471478F	UniRef90_A6GNA9 UniRef90_F4P7E9	GVTTL	DV VRAAS FV	S E I A G T A A A S	TNVAVIGGHS
JniRef90_UP1000471478F	UniRef90_F4KJS3	TLAAL	DSTRLQSEL	AKHFGLRQSC	TNTRTYGG <mark>H</mark> GEQMAVF
JniRef90_UP1000471478F	UniRef90_R5GEI7	TLAAL	DSTRLQSEL	AKHFGVAQSE	VTARTFGGHGEQMAVF
JniRef90_UP1000471478F	UniRef90_H5SIZ5	AMTRL	DHNRAVSLL	A E A <mark>C</mark> R V P V T D	RRVAI WGNHSATQFPD
JniRef90_UP1000471478F	UniRef90_Q4QL89	Ğ <u>V</u> TTL	DVLRSETFV	Ă E L K G L N V S R	TSVPVIGGHSGVTLLP
JniRef90_UP1000471478F	UniRef90_V2US60	AMLRL	DHNRALTQL	A Q K A N V A V A D A F I I F A N D P C	II E K T V W G N H S P T M Y A D
JniRef90_UP1000471478F	UniRef90_UPI00039D9733	Ă M M R L	DHNRALAQL	ANRTGCHTTD	I R N M V WG N H S A T Q Y P D
JniRef90_N9VBW0  A G T V L D S A R L R K L V S Y H F D I D A D S V S V N MI A E H G A S A M A V J N J N J N J N J N J N J N J N J N J	UniRef90_B4L2P2	GVTTL	D C V R A E R F I	GDYLKISPTK AKHEGIEOSK	IVKI PVI GGHAGTTI LP
JniRef90_N9VBW0  A G T V L D S A R L R K L V S Y H F D I D A D S V S V N MI A E H G A S A M A V J N J N J N J N J N J N J N J N J N J	UniRef90_U1HY66	ĠVTŢL	DVVRASREV	S E I K G T D P A D	EQVTVGGHSGVTVP
JNIRET90_S2J7L6 GVTTLDLVRASTFVSELIGGNPSTLRVPVVGGHSGVTLLP	UniRef90_N9VBW0	AGTVL	D S A R L R K L V	SY <mark>H</mark> FDIDADS ANKAGW <mark>D</mark> WK5	USVN MIJA E H G A S A M A V
JNIRET90_S2J7L6 GVTTLDLVRASTFVSELIGGNPSTLRVPVVGGHSGVTLLP	UniRef90_UPI0003723E9B	AMTRL	DHQRAKGLL	ANRLIGKSVME	VI GT WGNHSATQYPD
JNIRET90_S2J7L6 GVTTLDLVRASTFVSELIGGNPSTLRVPVVGGHSGVTLLP	UniRef90_R5Z1A0 UniRef90_D5X4M7	T L A A L	DSTRLRSEL DHNRAISOI	SKYFQLSMDS AAKTGKAWAD	ENCRTYGGHGEQMAVF FKVCVWGNHSPTMYAD
JNIRET90_S2J7L6 GVTTLDLVRASTFVSELIGGNPSTLRVPVVGGHSGVTLLP	UniRef90_M4CF15	CLTRL	DHNRAQARL	A E K L S V P V S S	KNVIVWGNHSSTQYPD
JNIRET90_S2J7L6 GVTTLDLVRASTFVSELIGGNPSTLRVPVVGGHSGVTLLP	UniRef90_UPI0003FA46FF UniRef90_M1WIC4	A MT R L	D Q N R A Y G Q L	A S K L IG V A L T D A F L V G K F P O K	I E NV I WG N H S P T M F P D
JNIRET90_S2J7L6 GVTTLDLVRASTFVSELIGGNPSTLRVPVVGGHSGVTLLP	UniRef90_UPI000427785F	ŤĽÁ ÁĽ	DSTRURNEL	AKHFNIHPDK	VNCRTYGGHGEQMAVF
JNIRET90_S2J7L6 GVTTLDLVRASTFVSELIGGNPSTLRVPVVGGHSGVTLLP	UniRef90_L8D0N6 UniRef90_R7QQ53	GVTTL	DVIRSEAFV DHNRTMAOV	A E L K G L D V A N A A R I D V P V O S	V K V P V   G G H S G T T L  P   V A G C   W G N  H S S T O V P D
JniRef90_S2J7L6 JniRef90_UPI000255648F JniRef90_UPI000344387F JniRef90_UPI000344387F JniRef90_UPI0003671041 JniRef90_UPI0003671041 JniRef90_H3FCC2 JniRef90_G3AJA2 JniRef90_UPI00036CB833 JniRef90_UPI00036CB833 JniRef90_UPI00036CB833 JniRef90_UPI00036CB833 JniRef90_UPI00036CB833 JniRef90_UPI00036CB833 JniRef90_UPI00036CB833	UniRef90_V4KJM0				AEIFKKAEVNVPVI
JniRef90_UP1000344387F JniRef90_UP1000344387F JniRef90_UP10003671041 JniRef90_UP10003671041 JniRef90_UP10003671041 JniRef90_UP10003671041 JniRef90_UP10003671041 JniRef90_UP100036C8333 JniRef90_UP100036CB833 JniRef90_UP100036CB833 JniRef90_UP100036CB833 JniRef90_UP100036CB833 JniRef90_UP100036CB833 JniRef90_UP100036CB833	UniRef90_S2J7L6 UniRef90_UPI000255648F	GVTTL	DIVRASTEW DTIRAFTEW	SELIGGN <mark>P</mark> ST ADTVGFGRGS	L   R   V   P   V   V   G   G   H   S   G   V   T   I   L   P   V   L   G   G   H   S   G   S   T   I   L   P
JniRef90_S9UXP2 JniRef90_UP10003671041 JniRef90_H3FCC2 JniRef90_G3AJA2 JniRef90_UP100036CB833 JniRef90_F4QFJ5  G V T T L D L V R A R T F V S E A L G K A P V E V D V P V L G G H S G E T  V P V L G G H S G T V P V L G G H S G T V P V L G G H S G T V P V L G G H S G T V P V L G G H S G T V P V L G G H S G T V P V L G G H S G T V P V L G G H S G T V P V L G G H S G T V P V L G G H S G T V P V L G G G V T V V V L G G H S G T V P V L G G V T V V V L G G H S G T V P V L G G V T V V V L G G H S G T V P V L G G V T V V V V C G V T V V V V V V V V V V V V V V V V V	UniRef90_UPI000344387F	S GCNL	DTACFCFL		RGLVCILEAGDSSVPV
JniRef90_H3FCC2  JniRef90_G3AJA2  JniRef90_UPl00036CB833  JniRef90_F4QFJ5  GVT T L DLV V R A Q A F V S E L K G T D A A K T V V P V L G G H A G T L L P P D A G L R L D F N V N V L G G H A G T L V P D D A A K T V N N V L G G H A G T L V P D D D D D D D D D D D D D D D D D D	UniRef90_S9UXP2 UniRef90_UPI0003671041	GVTTL	DULVRARTEV	S E A I G K A P V E	V D V P V  GGHSGET  V P
JniRef90_G3AJA2	UniRef90_H3FCC2	ğİVİTİL	DVVRAQAFV	S E L K G T D A A K	TVVPVIGGHAGITIIP
JniRef90_F4QFJ5 A M T R L D H N R G L A Q L A D K T G C G V T D L Q K F C W G N H S A T Q Y P D	UniRef90_G3AJA2	GVTTL	DIVRANTFI	A QL Y E T K P T D	FNVNVIGGHSGETIVP
	UniRef90_F4QFJ5	AMTRL	DHNRGLAQL	A D K T G C G V T D	I QKFCWGNHSATQYPD

	210	220 <u>23</u> 0 240
UniRef90_B4LPS6 UniRef90_M2MIZ4	I F S Q C S P L L S Q	K F T G E D E DVK R L T E R I Q E A G T E A G Y S L E G S E R D E Y V K R V Q F G G D E
UniRef90_M0MA77 UniRef90_I0YQB9	FSKVRVDG LLSQATPRV	R D P D F S D D E R T D T L E S L Q E S À M N D V S P E T A K A L T E R L Q D A G T E
UniRef90_K0NHZ0	<u>K</u> DY <mark>C</mark> SVSGISLDNFLS	S D R M E E II IF E K T R Q A G N L
UniRef90_UPI0004575D79 UniRef90_T0EFY9	LRGPGRDGTPDLTA WSYAMQGVQPIYQIVSR	DHQTYEEAARRÂVQ NNQNLTFKDLDLIEKEVKNLAYE
UniRef90_UPI0003F496E1 UniRef90_S2K7K8	ILLIS O T P O G K DIVIK	GEEYKAII VI <mark>H</mark> RII IOEGGDE
UniRef90_I1PNM9	ASHATVSTDRGERPVRE	T G I E F T K E E L D A L T H R I Q F G G D E L I A D E I WL R E E F V T D V Q Q R G A A V A V K D D A WL K G E F I S T V Q Q R G A A V
UniRef90_Q7ZSY2 UniRef90_V7Z5U7	WS I IVIQIVIN GII IPII II SIL VI	D K Y DIL IDIL ID AIL IE A A A R H G G W A
UniRef90_H0X138 UniRef90_M0XT98	LISQCTPKV	D F P Q D Q L T A L T G R I Q E A G T E
UniRef90_T2MFV8 UniRef90_H0EN93	VNHATVEINGHINPVKE LFSQAKPSVSI	A VK D D H WLE G D F L K V V Q T R G A A L P D N K L A A L VK R V Q F G G D E
UniRef90_J6H3M9	S S G V T V A G E P L S S L I	G S A K L S A E T WE D L K Q R V T K G G A N A L T L L L L K R T Q D G G T E
UniRef90_S8D4W0 UniRef90_E0WT01	IL L IS Q II I	S G L S F S E Q E <u>V I D</u> L <u>T K R I I Q N A G T E</u>
UniRef90_H0EDL9 UniRef90_W0PIW6	LFSQSSHPDLV WSGVRIGGVPLARVLDV	G N A <u>E L L                               </u>
UniRef90_H2YZK0 UniRef90_B7GEG9	WS GVRIG GVPLARVLDV VISQCQPSVTFDQAA LYSQLEGFAP	N E K D C E A F Q N K I E E E V R F A N I S L E A I T T R I Q D A G T E S D A E R E A L T V R T Q F G G D E
UniRef90_UPI0004446F2E	WGSQEGUS LISQSNHP	H N S D V Q L S N R A M E _ D L S G D A L K A L V N R I Q F G G D E
UniRef90_C4JX87 UniRef90_G0QR65	LTHATVHGKPIKPQLDD	T WII IN S Y F N P KIVIQ K R G A E
UniRef90_R5PMK7 UniRef90_R5BV64	A S Q V K I D G K P L S E M A S K A L I D G T P L A	GLSDERWEELKHHTVQGGSNI EKHLSAERWAELKHNTIQGGSNI
UniRef90_UPI000365AD99 UniRef90_D8QLH9	YRFATVNGESLKDLI LLSQTKHGKGIT	NDEEWNKNEFIPKVGKRGAAL GEQYKALIHRIQFGGDE
UniRef90_UPI0003F5A651	G V T L P L S Q	L G L D F S D D E I A A L T T R I Q N A G T E
UniRef90_J7UB04 UniRef90_C1E2C0	L L S Q L P G V S L L S Q T Y P S	F S D A E I D S L T K R I Q N A G T E T K F T A E E L E A L T V R I Q N A G T E M G T D A D K E D W K H V H K M V V D G A Y E
UniRef90_B1PDJ4 UniRef90_B9D261	WS GVNVA GVSLK GLNPH QS NVSV	M G T D A D K E D W K
UniRef90_E5AAQ2 UniRef90_K1PU26	L F S Q A Q P S V N I	PSDKLDALVNRVQFGGDE ALKDDNWVKNDFVKTVQQRGAAV
UniRef90_K8D9W4	WS HSSVYGSPV AQVY	ERKTGKALDTAALAERVRRLGFE TEKLTMTNELRNYWKKLRL
UniRef90_I3D2Y1 UniRef90_A0Z1R5	L <u>F</u> NAR <u>V</u> KNDKA <u>L</u>	DIL I
UniRef90_C5E3W9 UniRef90_I3CQ66	LISQTKYS YRFALVRGEPAPLRIQD	N M D K A T K D A   L I   <mark>H</mark> R   I   Q F G G D E
UniRef90_S8DYB4 UniRef90_A8Q8R4	LLSQAKPPCSLTE	EETKVLTYRIQNGGTE PF <mark>C</mark> KFSNDEVKKLTERIQNAGTE
UniRef90_U1GAT6	IL IF S Q A K P T IV IE II I	P Q D K Y D D L V   H R   V   Q F G G D E
UniRef90_M5BQU1 UniRef90_C4R024	L L S Q S K V G Q S L Q P D S L L S Q S	EKWKALVNRI QYGGDE K <u>H</u> KD <u>LP</u> KDTYDALV <mark>H</mark> RLQFGGDE
UniRef90_D2TX06 UniRef90_K1E657	I I F H A F I V I S G K N A A F	ELTKRIQNAGTEVVEAKAGGG AVGDQEWLESTFIPTVAKRGAAL
UniRef90_R5BEC0 UniRef90_H2ZMX1	ASKAKVDGKPLSEFN VAHASVKCGDTESSVVS	I S E E R WA A I K H D T I Q G G S N C V K D D N WL N G E F I T T V Q K R G G A V
UniRef90_K3WT76	IL L IS Q IL I	K D A K F S D E Q
UniRef90_C3J9T5 UniRef90_W1N3U7	LSHCTVDGK AAF	DIL VIERD WYEND FILIPTIVIQQRGAAII
UniRef90_UPI0003DF636C UniRef90_Q2YAQ4	I SHAFIVIDG HNAA	I GEQDDPEKWYELEENVKNR DLVNDMAWLETGFLPVLQKRGME
UniRef90_R7TJI8 UniRef90_A6GNA9	VSHATVTLNGQSSSVKD	A K N D S W Q G E F I S T V Q T R G A A V N D Q E WN A N T F L P T V G K R G A A L
UniRef90_F4P7E9 UniRef90_F4KJS3	G A LILLIPILLIS AL	LPHQFTDAQRDALVQRIQFGGDE GTDRLTHDQWAALQQRVIKGGAN
UniRef90_A1DM13	V G G H S G E T I V P L F S K A S	P A   L   D   I   P A D K Y D A   L V   N R   V   Q F G G D E
UniRef90_R5GEI7 UniRef90_H5SIZ5	ASNAKIAGKPLKDYMGT LI <mark>H</mark> AQVQGEPALTRVAW	DWYEK EFILIPKIVIQRRGEAII
UniRef90_C8V0H6 UniRef90_Q4QL89	L F S K V S P A F Q L L L S Q V Q Y A K	PADKYDAL VNRV QFGGDE WNED <u>E</u> DLAKRLQNAG <u>TE</u>
UniRef90_V2US60 UniRef90_S2K6R1	Y R F A T V N G E R L K D K L N D L L S Q V P G T E K L S E K Q	D A W N K D D F L P T V G K R G A A I I I
UniRef90_UPI00039D9733	I N H A S V S G Q P A R D L V E Q L M S Q C Q P P L N A S Q	LEDLTKRIQFAGDE QW LVDEFIPTVQQRGAAI
UniRef90_B4L2P2 UniRef90_UPI000471478F	A S S A KIVID G T PILIT DIL I IG T	E <mark>C</mark> LESMIKRIQNGGEE DK LTNEAWAALRERVYKGGAN
UniRef90_U1HY66 UniRef90_N9VBW0	LLSQSNHP WSTAKVGETFIK	DLAGEQRDEL VNRLQFGGDE DLPQFTEEVKEKLYEDSKKEAFE QDWLKGDF LKNVQQRGAE
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UniRef90_UPI000427785F UniRef90_L8D0N6	SSTATIDGKPLNDLI LLSQ V	GTPQLTSEQWKSLKERVIQGGKN EGASFTDEEVAALTSRIQNAGTE GGFELVARDFIPTLQKRGAAV
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UniRef90_UPI000255648F UniRef90_UPI000344387F	X S GIVINII ID GIVISILIK DILINILID	E E Q
UniRef90_S9UXP2 UniRef90_UPI0003671041	L L S K Y L L S Q VA GVS	PELSAEQVKALTHRIQFGGDE FSDEEVASLTHRIQNAGTE
UniRef90_H3FCC2	IV L IS QIVIT P SIVI	K <u>F</u> SEDE <u>L</u> KKL <u>T</u> PRIQDAGTE
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UniRef90 B4LPS6	250 260 270 280  V L  N G K G S A T  L  S M A Y A A A Y F  V N A  L L  R G  L  N D E P G  V I  E  C  A Y  V  A
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UniRef90_V7Z5U7 UniRef90_H0X138 UniRef90_M0XT98	V
UniRef90_T2MFV8 UniRef90_H0EN93	Ī K A R K L S S A M S A A K A <mark>I C</mark> D H M K T WWF G T A D D D Y <mark>C</mark> S M G V D G S  V V   A <u>A</u> K D S A T L S M A Y <u>A G F</u> R F <u>A</u> E A <u>V L</u> K G L S G E K G <u>I V T P S</u> F V Y
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UniRef90_R5BV64 UniRef90_UPI000365AD99	I KLRGRSSFQSPAYNAVKMIEAAMGGKKFTLPAGCYVNHDIKLRGRSSFQSPAYNAVKMIEAAMGGDKFTWPAGCYVNCDIEARGLSSAASAANAALDHIRDWVLGSNGQWTMGVPSDGS
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UniRef90_F4KJS3 UniRef90_A1DM13	I A A R K L S S A M S A A K A L C D H L R D WWT G T E G S W W M G V P S D G S I E A R G L S S A A S A A N A A L D H V R D W V L G T N G K W T M G L P S D G S V V K A K N S A T L S M A Y A G A R F V N S L L E A S V H L K E C T Y L K T D V I L A L R G R S S F S P A Y V S L E M L R A A M G G E P F R W P A G C F V S D H V V K A K D S A T L S M A Y A G F R F A E K V L R A S Q L V E P T Y L Y L R G V
UniRef90_R5GEI7 UniRef90_H5SIZ5	I KLRGRSSFQSPAY <mark>C</mark> SI E MIAAAMGGAEFPWPAGTFVNND I ELLGKSSAASAAHAAI EHMRSWVFGTPPEDWVSMAVDGS VVKAKDSATLSMAFAGFRFAESVIKASKGQSGIVE <b>P</b> SYVY
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UniRef90_UPI000427785F UniRef90_L8D0N6	I I DERGRSSESPAYESEAMIGAVMGGDKEDWPVGAYVNN V V N A K G S A T L S M G A A A A R F C F S L V K G L Q G E A N V I D Y A Y V Q I K A R G F S S A L S A A R A L A N H L R S W V C G D E H I V S M A V P S D G S
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	200 200 210 220
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UniRef90_V4KJM0 UniRef90_S2J7L6 UniRef90_UPl000255648F UniRef90_UPl000344387F UniRef90_S9UXP2 UniRef90_UPl0003671041 UniRef90_H3FCC2 UniRef90_G3AJA2 UniRef90_UPl00036CB833 UniRef90_F4QFJ5	STITELPFFASKVRLGKNGVEEVLDLPLSDFEKEGLEALKSGVKNLIFFSVPVELGPEGVKKILPIEINDFEQKLFSAATGCPEYAPFFAQQVLLGKEGVEKYIPVKLSAYEEANLKNML  SEVPKCEYFSSLVELGKEGVAKTLPVPLNAFEEDLLEKCVGDGEHARFFAQPLVLGKNGVEKLLPIPLSSYEQKAMSDMLDAVKGVEYFSTKVQIGQSGVEKILGVNLSAYEKACVEAAVKLVNGLDYFSLPVELSKEGIHEVILDKISTDEKALLKVAIYGIQEGLVYSFPVTCADGGYSIVQGLDIDEFSRTMMQATEYGADKGLYFSFPVICKNGNYELVQGLDLDAFSKDRFDVTR





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V S H L D T G
L T D C A F P
L E D C A F P
L E D C A F P
L S H L P T N
L Y D C A F P
L V D A A Y P
L D D G A F P
L D D G A F P
L S H L D T S
D L S H L D T S
D L S H L D T S
L S D C A L P
L E D G A F P L A G D F S E V T G F A A N L T G V E A V L L A D V Q A T J L L A D V Q A T J L L K G I V A T L L A G M V T T L L A G M V T T L L A G M V T T D L L A G M V T T D L L A G M V T T D L L A G M V T T D L L A G M V T T D L L A G M V T T D L L A G M V T T D L L A G M V T T D L L A G M V T T D L L A G M V T S D L A G I D I Y GPDDGHDDDDPPPEQ UniRef90\_B4LR03 UniRef90\_C7MV61 UniRef90\_X0QDR0 UniRef90\_V4ILR5 UniRef90\_XOQDR0
UniRef90\_V4ILR5
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UniRef90\_F5FRV8
UniRef90\_E9C218
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UniRef90\_UPI00037E5090
UniRef90\_H3NUK0
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UniRef90\_E1SLM1
UniRef90\_H3NUK0
UniRef90\_UPI00047DA8E3
UniRef90\_T1KQT4
UniRef90\_UPI00047DA8E3
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UniRef90\_T0C4U3
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UniRef90\_B6DLK9
UniRef90\_P6CMX6
UniRef90\_P7CMX6
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UniRef90_A1K5Q9 UniRef90_L0DA29	DPNVAFKDAKVAL LVGARPRGPGMERKDLLTENAKI FTVQQATTAFEGADWVI LVGGLPRKEGMTRADLLRANGPI FTGQGLNNALKDTDMVLI PAGVPRKPGMTRDDLFALNASI VRDL
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UniRef90_Q8H0P9 UniRef90_F3LEC4	N P E V V F D N V D I AL L V G A R P R G E N M E R K D L L A A N G P I F I A Q D V A E A C K G V D V A V M V G G F P R G P G M E R K E V M G K N V A I Y K G Q D A N V A F K D A D Y A L L V G A R P R G P G M E R K D L L E A N A A I F S A Q
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UniRef90_X8IVG1 UniRef90_M7YNY2	D E G L   A K A G A D
UniRef90_B4LR03 UniRef90_C7MV61	GGFLFLTGMDLVIIPAGLPRKPGMTRDDLFNKNAGIVRSIDPLVGFKDVSAAFLVGAMPRKEGMERKDLLSANVKIFKVQNPKDAFDGANIALLVGARPRTKGMERGDLLEANGGIFKPQ
UniRef90_X0QDR0 UniRef90_V4ILR5	D P NVA F K D A D F A F L V G A R P R G P G M E R S D L L E A N A K I F S G Q
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UniRef90_UPI0003F68B16 UniRef90_V5FRV8	GIL IQ K AIL IT G A DII V V VIT A GII IA R K P G M T R D DIL IF K T N A SII I IR DII I
UniRef90_F0SGB9 UniRef90_E9C218	S D N K A F A D C N WV L C V G S V P R K A G M E R G D L V R V N G P I F T S T D P K V A F N N A D A A I L V G A M P R K E G M E R K D L L R A N A K I F K E Q D A N K A F D G A N V A L L V G A R P R G P G M E R G D L L E A N G G I F K P Q
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UniRef90_F2DZ74 UniRef90_H3NUK0	NVEDGFKNTHFALLIGARPRGAGMERSDLLEVNAEIFTRQ DLKVGFTDVEAALLVGAKPRGKGQERGDLLKDNAKIFIPQ DPNIAFADADYALLVGARPRGPGMERKDLLEANAAIFSAQ
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UniRef90_Q4A0K7 UniRef90_A5DGY9	G V Y Q D L T D D F    V  A A S E A T D K N N G D R T L L A Q G N H D      K G     A     A  D S      K  N S D    V  L  P  A  G V P  R K P  G M T R D D   F  N  N  A S    V  Q G
UniRef90_E1SLM1 UniRef90_R1CB91	D P T P A L E G A D L V L I S A G V A R K P G M D R A D L F N V N A G I I R N L G L E R T L T G A S V V V I P A G V P R K P G M T R D D L F N T N A S I V Q T L
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UniRef90_S8FKK1 UniRef90_A0A023FCF4	K M E V A F K D A N WI L A I G A V P R K D G M E R A D L L K V N G G I F G P L G L E K A L T G A D I V V I P A G V P R K P G D L A V A F K D V D A A F L L G S M P R K Q G M E R R D L L S A N C K I F R E Q
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UniRef90_Q9FNS5 UniRef90_S9WTW3	DPY EVF G D A D WAL MI G A K P R G P G M E R A D L L Q Q N G E I F Q V Q S I D K A L K G A D L V I N V A G L A R K P G M V R E D L F N T N A L T I E E L D Q T E A F T D L D V A V L V G A F P R K P G M E R N D M L A K N A E I F K A Q
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UniRef90_C6TNA8 UniRef90_C8P9X5	DVVEACKDVNI VVMVGGFPRKEGMERKDVMSKNVSI YKAQ QDYAALATAQLLVVAVGQSARGKEGPMAELPATGRALAEI
UniRef90_A9NX63 UniRef90_A4QGA0	DPYEVFRDVEWALLIGAKPRGPGMERADLLDINGQIFAAQ DANEAFDGANAAFLVGAKPRGKGEERADLLANNGKIFGPQ
UniRef90_W7DLF4 UniRef90_Q3U1V6	GGEAECRNAIMILIEAHDPEILIDAENI DOASSILVIRRE
UniRef90_L1M919 UniRef90_A6DLK9	K D L S A S A H S K V V I F T A N S L G G S E S Y L H A V Q S N V D M F R A L D V A E A F K D A K Y I I S S G G A P R K E G M T R E D L L A G N C K I A E E L D V N V A M K D V N WAL L V G S K P R G P G M E R G D L I K E N G P I F T S T
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UniRef90_K2B930 UniRef90_B4D4R8	N   V   N   E   A   M   K   E   V   N   W   A   V   L   V   G   S   V   P   R   K   D   G   M   E   R   S   D   L   L   N   I   N   G   K   I   F   T   A   Q   N   L   D   E   G   G   G   T   T   T   T   T   T   T
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UniRef90_E1RJ09 UniRef90_UPI000362BE6F	T D P E N I R N S D I I L F A A G M A R N P Q K T R A D L L D V N I R V A S E C N A E A G F K N V H Y A I L L G A R P R G P G M E R K D L L S A N A E I F S R Q D P T E A L K D A D V V V I S A G V A R K P G M T R A D L F N T N A T I V H N L
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UniRef90_B9XQ90 UniRef90_G3Y094	SIDEGERGIN WALL VIGSVPRKAGMERKDILLGIN GKIFIGQ GLRDALKGSEIILIPAGVPRKPGMTRDDLENTNASIVRDL DPKKAFEGANLAFLVIGSMPRKAGMERSDLLSANGGIFGPQ
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UniRef90_K6W9P9 UniRef90_P61974	DPRQAFDGTDFALLIGAQPRTKGMERADLLQANAAIFAEQ KAEVAFDGTNAAFLVGAKPRGKGEERADLLTANGKLFGPQ
UniRef90_P61974 UniRef90_K6KBV8 UniRef90_W6MY07	D D G L A K A D S D L V I I P A G V P R K P G M S R D D L F N I N A G I V R D L
UniRef90_Q6FL22	DIGQALK GAAV V V I PAGV PRRPGITRDDLFKLNAGI V K NL

UniRef90_UPI0004560059 UniRef90_UPI0002490D6B UniRef90_UPI0003D75E20 UniRef90_M5U157 UniRef90_F8A034 UniRef90_J4H3G6	130 140 150 160 AVGI AEHSPKAFVLVISNPVNSTVPI VLKKKGVFDPKRLF GEKIKSSEFNGVIINVNDPNEASTAILQKTVSIPQNQVFG ASALEKHAPNCKVLVVANPANTNALILKEFAPSIPAKNIT SPDAVLIMVTNPVDVMTYEALRLTGFPPERVIG GEAINGAADDVKVLVVGNPANTNAYIAAQHAPDVPRERFT ASAVARVSPKAHLLIITNPVNSLVPIAFEKAGVYDPKRLF
UniRef90_H3G2J3 UniRef90_A1K5Q9 UniRef90_L0DA29 UniRef90_P17505 UniRef90_F8GE84 UniRef90_Q8H0P9 UniRef90_F3LEC4	GAALIAEFAPTTKVI VVGNPANTNAFII CAKYAGKI PARNFS GAAI GQYAPDCKVLVVGNPCNTNAYI AKEVAGRVPAKNFT GKAI NDAAPNVRVLTVANPCNTNCLI AKSHAPNI PADRWF AAATAESAPNAAI LVI SNPVNSTVPQVLKNKGVYNPKKLF GRAL NVAAKRNVVLVVGNPANTNAYI TLKNAPDL DPANFS ASALEEHAPGCKVLVVGNPANTNSLI LSNYAPKI PKENVT GKAMNETASRDI VLVVGNPANTNSLI AQRNAPDL NPRNFT
UniRef90_M4ZX24 UniRef90_B6JYT4 UniRef90_X8IVG1 UniRef90_M7YNY2 UniRef90_B4LR03 UniRef90_C7MV61 UniRef90_X0QDR0	GEALSRSAKKDVVLVVGNPANTNALIAMNNAADLDPGRFTGRACAVVAPNALYLVITNPVNSMVPNALAAGGVRDSRKLIAATNAPKAFILVISNPVNSTVPIVLKKHGVFDPKRLFCEGVAKSCPNAIVNLISNPVNSTVPIVLKKHGVFDPKRLLGEALDKVAKKDVVLVVGNPANTNALVCANYAPSIPRENFSGEALNGAADDIKVLVVGNPANTNALIAQANAPDIPAERFT
UniRef90_V4ILR5 UniRef90_C1E918 UniRef90_UPI000348458D UniRef90_UPI0003F68B16 UniRef90_V5FRV8 UniRef90_E9C218 UniRef90_E9C218 UniRef90_UPI00047E3EDC	GKALNDHASREVVLVVGNPANTNALITLKNAPDLNPRNITGKALNAVAPTCKVCVVGNPCNTNALIAMENAPNLDRRNFHGRALNMASRNVKILVVGNPANTNAYIAMKSAPDLPQKNFTGKALNDHAADDVVLVTGNPANTNALIASVSAPDLPQKNFTFSEVAVTCPNAICCVVTNPVNSTVPVALKKAGTFEPTRLFGKAIDSAAAKDVVVVVGNPCNTNCLIAMENAPSVPRDRWFGDALNTVAPSVKENFSGEAINKGAADDIVLVVGNPANTNALITLHATSLPKENFSGEAINKGAADDIVLVVGNPANTNALIAQAHAPDVPAERFT
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UniRef90_C2GK21 UniRef90_A0A022QUV0 UniRef90_F0J9X5 UniRef90_G8BJ12 UniRef90_H1Q466 UniRef90_Q8FN62 UniRef90_Q9FNS5	GKALNAVASRNVVIVVGNPCNTNALIAQQHAPDVPASRFTGKALNAVASRNVVIVVGNPCNTNALICLKNAPNIPAKNFHGHALDQFAKKSVVLVVGNPANTNALICSKYAPSIPKENFTVANIGRTAPNAAILIISNPVNSTVPIALKKLGVFNPKKLFGQNIKKFCPDAKFCVIFNPADITGLVTLVHSGLRPNQVAGKAINDHAAQDIVLVVGNPCNTNALIAMSNAPDVPQSRFNGRAINFSSRNCKVIVVGNPCNTNALIAMFNAPNIPRKNFH
UniRef90_S9WTW3 UniRef90_E4WX88 UniRef90_M2YWQ3 UniRef90_C6TNA8 UniRef90_C8P9X5 UniRef90_A9NX63 UniRef90_A4QGA0 UniRef90_W7DLF4	T T E I A K H A P G A I I G V I P N P L N S M M V V A L K R E K A Y D P R K L F G A L L N T V A K K T V V L V V G N P A N T N C L I A Q K Y A P T I P K Q N F S V Q G I A E N C P D A Y I L V I S N P V N S T V P I A L K K A G K F N P K K L F A S A L E Q H A A D C K V L V V A N P A N T N A L I L K E F A P S I P E K N I T A P R I V A S G F N G L V V N L A D P N E A A T A F L Q E Q L R L P A K Q V L G G K A L D A V S P N V K V L V V G N P C N T N A L I C L K N A P K I P P K N F H G K A I N D N A A D D I V L V V G N P A N T N A L I A S A A A P D V P A S R F N V N R W M E T G F Q G I C L V A T P Q S E V V A H W I M K F S G L A S E K I I A
UniRef90_Q3U1V6 UniRef90_L1M919 UniRef90_A6DLK9 UniRef90_D9SFQ9 UniRef90_F4CMX6 UniRef90_X1YDY3 UniRef90_D1BB08	VPALGHYSQHAVLLVASQPVEIMSYVTWKLSTFPATRVVGGKNIKTYCPDKHVVIIFNPADLTGLVTLLYSGL KPGQVTGKAINDHADDVRVVVVGNPCNTNCLIAMHNAPDVPRDRFHGKLLNEYAARHVVLVVGNPANTNALIAMKNAPDLDPRNFSGKAINEAADDLKVLVVGNPANTNALIAKSAAPDVPAERFTGEALDKHAKKDVVLVVGNPANTNALIAASHAPDVPSDRFTGAAINGAADDVRILVVGNPANTNALIAASHAPDVPSDRFT
UniRef90_G7H0Y9 UniRef90_V7IFQ7 UniRef90_K2B930 UniRef90_B4D4R8 UniRef90_L0GSY7 UniRef90_I7ZHV7 UniRef90_B6HMM3 UniRef90_C5KWJ7	G A A L N K V A S R N V V L V V G N P A N T N A Y I A M K S A P D L P A R N F T G R A I N E N A A S D V V F V V G N P C N T N C L I A M H N A P N I P R D R F Y G K A I E K N A P D V R V L V V G N P C N T N C L I A M N N A R G I P A N R W F G R A L D E V A S R D I V I V V G N P A N T N A L I A M K S A S G L P R E N F T G K A L S D N A S R D V V L V V G N P A N T N A L I A A S A A K K L D P K Q F T F T E I A A T C P Q A M C C V V T N P V N S T L P E A L K K G G V F D P T R V F A K A C G E H A P K A T L C V V S N P V N S T V P II A L K K L G V F D W R R L V
UniRef90_E1RJ09 UniRef90_UPI000362BE6F UniRef90_M4XJP7 UniRef90_T1JGE8 UniRef90_B5DLR8 UniRef90_S8JHH8 UniRef90_B9XQ90 UniRef90_G3Y094	MKCI SGFDGVFITVTNPMDALNYYLCTKGGIEREKCIGGRALNDHANHDVIVVVGNPANTNALIASRNAPELSPSQFTVEKAAKVCPKACIAIITNPVNTIIPIALKKAGVYDKNKLFGKAIDQYAKKTVVLVVGNPANTNALVCSKYAPSIPKENFSACLVAKRAPKALVGIITNPVNAVVAVAMKKAGCYDPNRLFSQKLKSSGFRGILIVVTNPVDALTQLYQEYTQFPKSRVIGGQAIQKNAASDVILVVGNPCNTNCLIAMNNAPQIPKDRWH
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UniRef90_P61974 UniRef90_K6KBV8 UniRef90_W6MY07 UniRef90_Q6FL22	G K A L N D N A A D D I V L V V G N P A N T N A L I A Q H A A K D I P A D R F N  M V A T N P C D I I T W Q V W Q L S G L P R G Q V L G  A V G V A T H A P K A F V L V I S N P V N S T V P I F K E K H G V F D P R R L L  V S N V A K H C P N A R L L I I S N P V N S L I P V A L K R C G V F Q A G N V M

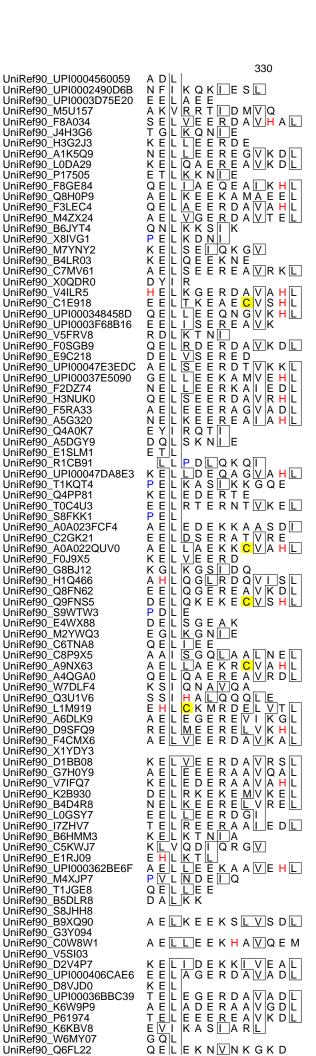
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UniRef90_Q8H0P9 UniRef90_F3LEC4 UniRef90_M4ZX24 UniRef90_B6JYT4	CLT RLDHN RALGQVS E KT GVPVS D KN CI I WG N H S S T Q Y P D A MT RLDHN RA MT QLA Q KT G S S LNDIT QTI WG N H S S T Q Y P D A MT RLDHN RAIS QLA T RLN S Q G E S V S V N V WG N H S V T Q Y P D G V T T LD S V R A S K F L S Q V K G A S P E T L R V P I V G G H S G A T I V P
UniRef90_X8IVG1 UniRef90_M7YNY2 UniRef90_B4LR03	G V T T L D S V R A S K F L S Q V K G A S P E T   R V P   V G G H S G A T  V P  G V T T L D V A R S F A T V A G S P A P T Y T A P V V G G H S G V T  L P  G V T L D V A R A N T F V A E V D P R E V N V P V V G G H A G V T  L P  A M T R L D Q N R A S S Q  A N K L G V P T  V S N  L   W G N H S S T Q V P D
UniRef90_C7MV61 UniRef90_X0QDR0 UniRef90_V4ILR5	GVTTLDSIRAARFISEVENTDPTQERVNVIGGHSGITIIPAMLRLDHNRAVSQAALKLHVPVSDIKKMIWGNHSNTQFPDCLTRLDHNRALGQVSEKTGVPVSDKKMIWGNHSSTQYPDAMTRLDHNRALGQVSEKTGVPVSDKNCIIWGNHSSTQYPDAMTRLDHNRAISQLATRLNSQGESVSVNVWGNHSVTQYPDAMTRLDHNRAISQLATRLNSQGESVSVNVWGNHSVTQYPDGVTTLDSVRASKFLSQVKGASPETIRVPIVGGHSGATIVPGVTTLDVARASTFIATVAGSPAPTYTAPVVGGHSGVTIIPGVTTLDVARANTFVAEVLGVDPREVNVPVVGGHAGVTIIPGVTTLDQNRASSQIANKLGVPTHVSNIIIWGNHSSTQYPDAMTRLDQNRASSQIAKKLQVPVSDVKKMIWGNHSATQYPDTGTLDSSRMRRAVSSELGIDPRSVGGYNLGEHGNSQFTASMMRLDHNRSLSQIAEKTGSHSTKVEKMVWGNHSATQYPDALTRL
UniRef90_C1E918 UniRef90_UPI000348458D UniRef90_UPI0003F68B16	ALTRLDENRAK <mark>C</mark> QLALKAGVFYETTNVTIWGNHSTTQVPDSMMRLDHNRALAQLAQSKQPIAEIEKVIVWGNHSPTMYPDALTRLDHNRAKAQLAKKTGAPVTDITRTVWGNHSDTQYPD
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UniRef90_F5RA33 UniRef90_A5G320 UniRef90_Q4A0K7	A M L R L D H N R A L S Q L S A K L G R P V S S F K T M T W G N H S P T M Y A D A M L R L D H N R A L S Q L S A K L G R P V S S F K T M T W G N H S P T M Y A D A M L R L D H N R A A S M L A A K A G V N V G D V G K L V W G N H S P T M Y P D T G T A L E T S R F K T L I A D H Y Q L D P N N V E A F V L G E H G Q H A L P V G V T T L D L V R A N T F L S Q L F P K E S K P T D F N L N V L G G H G V T T L D V L R S E T F L A E A K G L S P E Q V K L N V L G G H A G L T L L P A M L R L D H N R A L S Q L A A K T G T K V A D L E K T V W G N H S P T M Y A D G V T T L D V V R A N T F V A E A K G L D P V T T N V P V L G G H A G L T L L P A M T R L D Q N R A Q A V L A S R L G V Q V D K K N V L I W G N H S S T Q Y P D A M T T L D F K R A K T O L A O K A G V D V T F V T N M L W G N H S A T O Y P D D
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UniRef90_A0A022QUV0 UniRef90_F0J9X5 UniRef90_G8BJ12	A MT R L D Q N R A L A L L A S K L K V S V A D K N A I I WG N H S S T Q F P D A M V R L D H N R A M S Q L A T K L G C S S T A E N I V V WG N H S G T Q F P D A L T R L D E N R A K C Q L A L K A G V F Y D K V N V T I WG N H S T T Q V P D A M T R L D H N R A K G Q I A Q K L K V S A A D H N V I I WG N H S S T Q F P D G V T T L D S V R A E T F F G E L T N T N P N T L K G K L S V I G G H S G D T I T L A A L D S T R L K G A L A K H F G V S Q S E I N A Y T Y G G H G E K M A V F A M R R L D H N R A I S Q L A T K T G L S S E F Q D V V V WG N H S A A Q F P D C T C S S E S C S C S C S C S C S C S C S C
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UniRef90_S9WTW3 UniRef90_E4WX88 UniRef90_M2YWQ3	ALTRL DENRAK <mark>C</mark> QLALKSGKFYTSVSRMI WGNHSTTQVPDGIISLDAIRASVFLGEITGKDPKTLEVPILGGHSGRTMLPALTRLDQNRATAQIAAKAGVTSDKVTGIIWGNHSATQYPDGVTTLDVVRAETFVQGITGTKDPSKTVIPVIGHSGETIVP
UniRef90_C6TNA8 UniRef90_C8P9X5 UniRef90_A9NX63	GVT T L DV VR A E T F V Q G T G T K D P S K T V I PV I G H S G E T I V P C L T R L D H N R A S G Q I S E R L N V L V S D K N V I V W G N H S S T Q Y P D I G T V V D T A R L H R A V A H A A H V A P A N V S G F V Y G Q H A G R Q V F A A L T R L D E N R A K C Q L A L K A G V F Y D K V S N M I W G N H S T T Q V P D A M M R L D H N R A I S Q L A T K L G R S A E F N N I V V W G N H S A T Q F P D L G T M L D T S Q L A T K L G R S A E F N N I V V W G N H S A T Q F P D L G T M L D T S Q P L G R Y F Q V N A K N V H A Y M I G S T L K N G V P A
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UniRef90_A6DLK9 UniRef90_D9SFQ9 UniRef90_F4CMX6	L G C N L D S Q R L Q Y I I T S V L K V Q T S G K E V W V V G E Q G E N K V C S T L A A L D S T R L Q S A L A K K F G V M Q N E V K G C T Y G G H G E Q M A V F A M T R L D E N R A K S Q L A Q K A G V A V T E V K N M I W G N H S A T Q V P D A M M R L D H N R A L S Q L S A K L S V P V S E I T K M I W G N H S A T Q Y P D A M T R L D Q N R A Q A Q L A A R L G V I T K V K N I L I W G N H S A T Q Y P D A M T R L D Q N R A Q A Q L A A R L G V I T K V K N I L I W G N H S A T Q V P D
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UniRef90_V7IFQ7 UniRef90_K2B930 UniRef90_B4D4R8 UniRef90_L0GSY7	A MT R L D H N R A L S Q A A T K A G V P V S Q V R R T I W G N H S A T Q Y P D A L T R L D H N R A L S Q A A T K A G V P V S Q V R R T I W G N H S R T Q Y P D A M L R L D H N R A L N Q I A L K I G H S V N S I N Q C V W G N H S P S M Y T D A M T L L D E F R A R S Q L A I K A N V D V D A I Q M L I W G N H S A T Q Y P D A M T R L D E N R A K M Q L A L K A G V D V T R V S N A V W G N H S A T M Y P D S M M R L D H N R A L S M L A G R A G K P V A A V E R M V W G N H S P T M Y P D S M M R L D H N R A L S M L A G R A G K P V A A V E R M V W G N H S P T M Y P D S M M R L D H N R A L S M L A G R A G K P V A A V E R M V W G N H S P T M Y P D S M M R L D H N R A L S M L A G R A G K P V A A V E R M V W G N H S P T M Y P D S M M R L D H N R A L S M L A G R A G K P V A A V E R M V W G N H S P T M Y P D S M M R L D H N R A L S M L A G R A G K P V A A V E R M V W G N H S P T M Y P D S M M R L D H N R A L S M L A G R A G K P V A A V E R M V W G N H S P T M Y P D S M M R L D H N R A L S M L A G R A G K P V A A V E R M V W G N H S P T M Y P D S M M R L D H N R A L S M L A G R A G K P V A A V E R M V W G N H S P T M Y P D S M M R L D H N R A L S M L A G R A G K P V A A V E R M V W G N H S P T M Y P D S M M R L D H N R A L S M L A G R A G K P V A A V E R M V W G N H S P T M Y P D S M M R L D H N R A L S M L A G R A G K P V A A V E R M V W G N H S A T M Y P D S M M R L D H N R A L S M L A G R A G K P V A A V E R M V W G N H S A T M Y P D S M M R L D H N R A L S M L A G R A G K P V A A V E R M V W G N H S A T M Y P D S M M R L D H N R A L S M L A G R A G K P V A A V E R M V W G N H S A T M Y P D S M M R L D H N R A L S M L A G R A G K P V M A A V E R M V W G N H S A T M Y P D S M M R M T M T M T M T M T M T M T M T M
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UniRef90_E1RJ09 UniRef90_UPI000362BE6F UniRef90_M4XJP7	A MVR L D H N R A L S M L A G K A G K P V A V L W G N H S A T Q Y P D G V T T L D T V R A S T F V A H A L G A N P K D F K V P V I G G H S G A T I L P G V T T L D S V R A S T F F S E K L N F A V D K A E V P L I G G H G E T I M P V F G G Q L D T A R L H L F L K E K G L A P D N T A Q A L G E H G E F Q V P L A M S R L D H N R T K G I L A N H T G Y N P A D R R V A V W G N H S A T Q Y P D G V T T L D V I R A N T F V A E A K D V N V K Y V R V P V I G G H S G T T I P L
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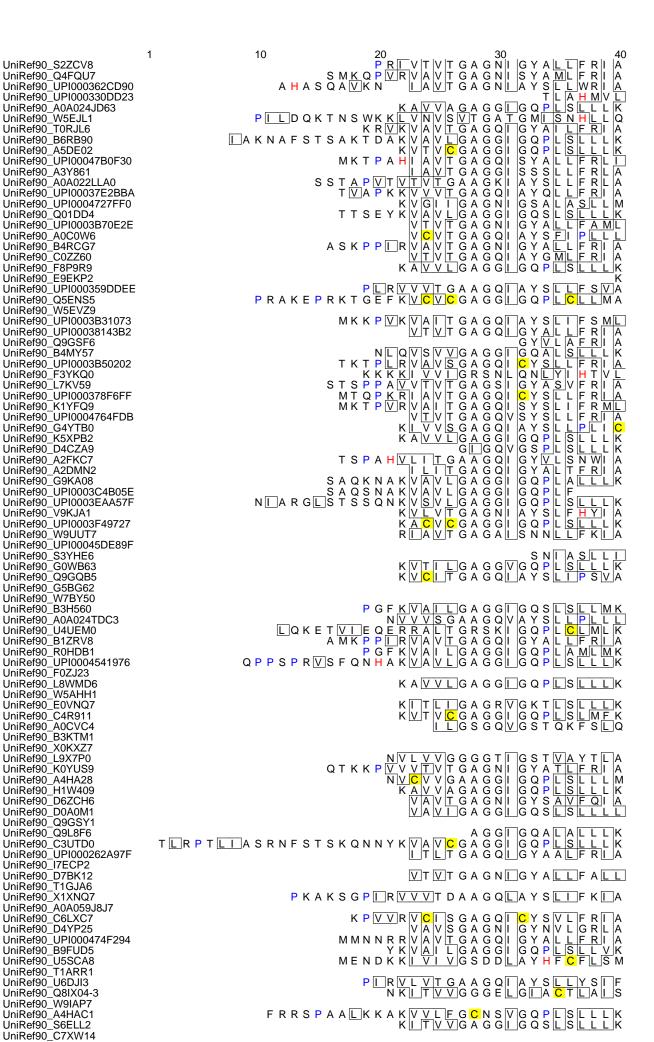
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UniRef90_F0J9X5	R Q K I E L T G K K L I E V A L
UniRef90_H1Q466	VASLDASY RARIDANV
UniRef90_Q9FNS5	RAKIRASE EEQLDR <mark>C</mark> L
UniRef90_E4WX88	REKLTVTA
UniRef90_C6TNA8  Y G D T G L T Y S F P V T C E R G D W N T V Q G L K T D Q F S F P V T C E R G D W N T V Q G L K T D Q F S F V T C E R G D W N T V Q G L K T D Q F S F P V T C E R G D W N T V Q G L K T D Q F T D	REKVDKTA
UniRef90_C8P9X5 YQPQYSGYVSFPAVLGRQGVGNLILKLYPVEEUniRef90_A9NX63 YGIADDLLFSMPCRSKGDGDYELAPILLDDSLF	EMAIIRTAA RARIKKSE
UniRef90_A4QGA0	RARIDANA QKQLAVAV
UniRef90_Q3U1V6	/ T G L Q A S A / A A L D A S Y
UniRef90_A6DLK9 Y G I P E G L I F S F P C R S N G D G T Y E I V P F E L D S H L I UniRef90_D9SFQ9 Y D I P E G V L Y G F P V T C K N G H F K I V Q D L P I S E L G F	TDGVAKTV
UniRef90_F4CMX6 Y GVA E GI I S S F P V T T A N G A Y E I V Q G L E I N D F S F	RERIDASV
UniRef90_X1YDY3	RERIDASV
UniRef90_G7H0Y9	RERIGITL
UniRef90_K2B930	QQK    Q L T L  REK   TATV
UniRef90_L0GSY7	R Q M M D R T L R A R M T V T F
UniRef90_B6HMM3  PGGKEIDYFAVKILELGKTGATKALPLKISEHEI UniRef90_C5KWJ7  KPMCGLDYFATKCKFGDDCEIIAKVEPELNDYEE	ŢŖĿĹĖŲĄĿ
UniRef90_E1RJ09 YGISS <mark>CS IGVPAVI</mark> GREGILRIEETNLDEWEJ	LNKWKEAA
UniRef90_UPI000362BE6F Y G V A K G V F S F P V C C R Y G R Y Q V Q N L A M D E S S L UniRef90_M4XJP7 N G E T S P A F F A Y P I R L G T N G V E K V L P I N L S E F E F	
UniRef90_T1JGE8 Y Q V P K D V M Y S F P V T C G A D H S W K L V N L N L D D F S F UniRef90_B5DLR8 S D A T D A P F F S T P L S F G K D G I K K N H G L P M N E S E F	RKKMDASG KKQVKVAV
UniRef90_S8JHH8 UniRef90_B9XQ90  Y GI E K GL I T S F PVR S D G K K L E I V Q G L A I D P F S G	OSK∏DIT∏
	SVEDILE
UniRef90_C0W8W1	K S K F D V T
UniRef90_D2V4P7	A D K II N V S V R A R M D A N A
UniRef90_D8VJD0 Y G T P R D I V Y S F P V K I S N G K W Q I V Q G L T I S D F A F UniRef90_UPI00036BBC39 Y G V P E G L I F G F P V I G E N G A W K V V E L D I S D F Q F	R E K L DVT G R E R I D A N I
UniRef90_K6W9P9	RARIDASV
UniRef90_K6KBV8 Y GVT GAAAGVPAVLTQSGVQQII ELQLADDEA	A E K F R H A I
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UniRef90_S2ZCV8 UniRef90_Q4FQU7	50 60 70 80  G P D V P V K L   N   L   E   I   P Q K A A E G T A M E L   D D C A F P T L A G V E I F D  G K D Q P V I L   Q L   E   I   A P D A L K G V V M E L E D C A F P L L A G I V Q T D
UniRef90_UPI000362CD90 UniRef90_UPI000330DD23 UniRef90_A0A024JD63	GPDTPVALRILVDIPDRAAEGVAMELMDSAFPLLRGLTVTD
UniRef90_W5EJL1 UniRef90_T0RJL6 UniRef90_B6RB90 UniRef90_A5DE02	LSPLVDDLALYDVVNS PGVAADLSHISTTGEVIGSLPADQPIALKLLGSESSVHALEGVVMELQDSLYPLLREVSIGISGQMFGELSLLELPQGALEGVRMELDDCAFPRLKKVTCTDESPLVTQLSLYDIA HTPGVAADLSHIETKAKVQGFLGALNPQVSHLSLFDIV NAHGVAADLSHICTPAVVTGHQPAAGDLPIVLHLLELPEAMADGVRMELIDCASPLLHDIVISD
UniRef90_A3DL02 UniRef90_UPI00047B0F30 UniRef90_A3Y861 UniRef90_A0A022LLA0	AGDLPIVLHLLEIPEAMADGVRMELIDCASPLLHDIVISDDQPLILQLVEVSQAMTSLAGLALELEDCALPLVDSIEITDDGDTPVRLRLLDIAVTAAEGVAMEIEDCALPLVDSIEITDDGDVFGKLSLLEIPQRASEGVAMELEDSAFPLLKGLEITD
UniRef90_UPI00037E2BBA UniRef90_UPI0004727FF0 UniRef90_Q01DD4	ESPLVTQLSLYDIA HTPGVAADLSHIETKAKVJGFLGA LNPQVSHLSLEDIV NAHGVAADLSHIETKAKVQGFLGA LNPQVSHLSLFDIV NAHGVAADLSHICTPAVVTGHQPA AGDLPIVLHLLEIPEAMADGVRMELIDCASPLLHDIVISD DQPLILQLVEVSQAMTSLAGLALELEDCALPLLQDIRIFD GPDTPVRLRLLDIAVTAAEGVAMEIEDCALPLVDSIEITD DGDVFGKLSLLEIPQRASEGVAMELEDSAFPLLKGLEITD LSDFVSEISLIDIRDTVKGRALDLETMSVILKKDIKIHS MNPLISDLRLYDLANTPGVAADLSHTNTGCKVTGFMGA
UniRef90_UPI0003B70E2E UniRef90_A0C0W6 UniRef90_B4RCG7 UniRef90_C0ZZ60	GPDQPVKLNLLEIPQKAAEGTAMELNDSAFPLLAGVDIYDSGQVFGQLRLLDIMETALKGVVMEIEDCAYPLIGDIQTGSGKDQPVILQLLEIPQKALKGVAMELEDCAFPLLQDMVLTDGADVPIKLRLLEIPAAVAEGVAMELEDGAFPLLSSIDITDSNPLVTELGLYDIV NAPGVAVDLSHIATPAKVEGYLPPNSPHIDELALYDVV NTPGVAADLSHIATPAKVEGYLPPNSPHIDELALYDVV NTPGVAADLSHIATPAKVEGYLPPNSPHIDELALYDVV
UniRef90_F8P9R9 UniRef90_E9EKP2 UniRef90_UPI000359DDEE	S G Q V F G Q L R L L D I MET A L K G V V M E I E D C A Y P L I G D I Q T G S G K D Q P V I L Q L L E I P Q K A L K G V A M E L E D C A F P L L Q D M V L T D G A D V P I K L R L L E I P A A V A E G V A M E L E D G A F P L L S S I D I T D S N P L V T E L G L Y D I V N A P G V A V D L S H I A T P A K V E G Y L P P N S P H I D E L A L Y D V V N T P G V A A D L S H I A T P A K V E G Y L P P A K G D V F G E L L L L D I T P M M L N G V V M E L M D C A I P L V K N L V A T D M D P N V K E L C V F D V A M V P A Q G V A T D L G H L E K K A A V K G Y V M D
UniRef90_Q5ENS5 UniRef90_W5EVZ9 UniRef90_UPI0003B31073	M D P N V K E L C V F D V A M V P A Q G V A T D L G H L E K K A A V K G Y V M D
UniRef90_UPI00038143B2 UniRef90_Q9GSF6 UniRef90_B4MY57 UniRef90_UPI0003B50202	NGDLYVRLHLLEITPPKLEGVKMELQDCAFPKLAGVEATD MNPLIETLVLHDVA NTKGVAADLSHCTSPTVKSYTGEK
UniRef90_F3YKQ0 UniRef90_L7KV59 UniRef90_UPI000378F6FF	A G D L F G P L N L L D L A Q K A V Q G V V M E L E D C A F P L L S D V I T D L K K I P A E I Y L I D D Q A K T S V Q D F D Y A S Y Y H A D A T I H A D Q P I A L R L L E L P Q A V P A A V G T A M E L D D G A F G L L K S V D V F D N G D V P V A L Q L L D L A Q K A V K G V V M E L E D C A F P L L Q D V V I T D
UniRef90_K1YFQ9 UniRef90_UPI0004764FDB UniRef90_G4YTB0 UniRef90_K5XPB2	G K D Q P V I L Q L L E L P P A M L E G V V M E L N D C A F P L V A G I V A T D N T P V V L R L L E I E P A M K A L E G V A M E L D D C A F P L L S D I V L T S L G H V F G E L R L L D I P P A Q L E G V K M E L Q D C A F N L V D A L V P T S C N P L V T E L G L V D I V N S P G V T A D L S H I S T P A K V E G N L P D I C P L V D E L V L Y D V V N S P G V T A D L S H I S T A A K H A D T S P P S G E L P V V L H L F D I A E N R L K A L V M E L E D G A F Q H L S G I V A T T K G D L C G D L H L L E I P F G M L E G C V M E L Q D C A F P N V A G I V W T D N S P L V S R L T L Y D I A H T P G V A A D L S H I E T R A N V K G F L G S
UniRef90_D4CZA9 UniRef90_A2FKC7 UniRef90_A2DMN2	CPLVDELVLYDVVNS PGVTADLSHISTAAKHADTSPPSGELPVVLHLEDIAENRLKALVMELEDGAFQHLSGIVATTKGDLCGDLHLLEIPFGMLEGCVMELQDCAFPNVAGIVWTDNSPLVSRLTLYDIA HTPGVAADLSHIETRATVKGYLGP
UniRef90_G9KA08 UniRef90_UPI0003C4B05E UniRef90_UPI0003EAA57F UniRef90_V9KJA1	N S P L V S R L T L Y D I A H T P G V A A D L S H I E T R A T V K G Y L G P L X S H L S L Y D I A H T L G V A A D L S H I E T R A N V K G F L G S N S P L V S Q L S L Y D I A H T P G V A A D L S H I E T R A H V T H M G P E N G D A F G K L V L L D V T P A M L R A V V M E L Q D C A F D L L R E I V A T D
UniRef90_UPI0003F49727 UniRef90_W9UUT7 UniRef90_UPI00045DE89F	LNPLVTELALYDVV NALGVAADLSHIASPAQVTGYLPPSGEMTDQPVIMQLIEVPLRGIAMELEDCAFPLLHTITLHD
UniRef90_S3YHE6 UniRef90_G0WB63 UniRef90_Q9GQB5 UniRef90_G5BG62	SQDLASEILLIDINEKLALGKMLDLSTLSVILDKNIKINS LSPYITELSLYDL RNVEGVSKDLSHINTNSKCTGHGEI KGEVFGIMTLLDIPPMMLEGVKMEMVDLALPLLQEVIVTD IPAGVPRKPVVNT
UniRef90_W7BY50 UniRef90_B3H560 UniRef90_A0A024TDC3	MNPLVSLLHLYDVV NAPGVTADVSHMDTGAVVRGFLGAGPDQRIHLRLDIPQEVLSGVVMELNDCAFHLVHELVPTTQSPLIDELCIHDLKP TTGLGLELNHLDTKCKVSAFSGK
UniRef90_U4UEM0 UniRef90_B1ZRV8 UniRef90_R0HDB1	QSPLIDELCI HDLKP TTGLGLELNHIDTKCKVSAFSGK SGAMADQPVIFEKAMKALEGVAMELDDCAFPLLKGIVQTD MNPLVSVLHLYDVA NAPGVTADISHMDTSAVRGFLGQP NSPLVSRLTLYDIA HTPGVAADLSHIETRANAK
UniRef90_UPI0004541976 UniRef90_F0ZJ23 UniRef90_L8WMD6 UniRef90_W5AHH1	T N P A L T E L S L F D L V N T P G V A A D L S H L D T P A V V Q G Y L P P
UniRef90_E0VNQ7 UniRef90_C4R911 UniRef90_A0CVC4	T C P L I D H L C L F D I D R S V K G V G V D V S H I D T K C C V S Y C G M K L N P Y V T T L A L Y D V V N V P G V G K D L S H L D T D T K L E S Y L P E L L E L P E K L Q E L E G L K M Q L Q D C A F P L L N N V I V S S
UniRef90_B3KTM1 UniRef90_X0KXZ7 UniRef90_L9X7P0 UniRef90_K0YUS9	VQQPTIDLTLVDPRTDAARGHAIDLRHSQ <mark>C</mark> HAPDSRTGAE AGDMADQ <u>PV</u> IJN <u>M</u> LEIPAEG <u>T</u> AMELRD <u>A</u> AF <u>P</u> TLA <u>GL</u> NVYD
UniRef90_A4HA28 UniRef90_H1W409 UniRef90_D6ZCH6	R Q P Y G S T L S L F D V V G T A G V A A D L S H V D N V G V Q L K Y A T G L S P L V D E L A L Y D V V N T P G V A T D L S H L S S V A K T T G Y L P K G R R L V L R L L E T P A A A R A A E G V A M E L M D C A F G L L D S V E V H D R Q P Y G S T L S L Y D V A G A P G V A A D L S H V D R A G V T V K Y A A G L N G V V M E L T D C A F P A L A K L I P T D C
UniRef90_D0A0M1 UniRef90_Q9GSY1 UniRef90_Q9L8F6 UniRef90_C3UTD0	R Q P Y G S T L S L Y D V A G A D L S H V D R A G V T V K Y A A G L N G V V M E L T D C A F P A L A K I I P T D C A F P A L A K I P T D C A F P A L A K I P T D C A F P A L A K I P T D C A F P A L A K I P T D C A F P A L A K I
UniRef90_UPI000262A97F UniRef90_I7ECP2 UniRef90_D7BK12	NRPAGSDLALYDIAPVTP GVAADLSHIPTPVTIKGYAGE ISPLVSELSLYDVV HTPGVAADLSHIETAAKVAYNGPE AGDLFGSLRLLEIPQGMAEGAALELADCAFPTLADVDITD LEGVVMELADCAFPTLADVDITD GKDVPVRLNLLEIPQKAAEGTAMELNDCAFPLLESVNIFD DSALPLLHKVVPTT
UniRef90_T1GJA6 UniRef90_X1XNQ7 UniRef90_A0A059J8J7	N G E V F G Q V I L H L I D E P S A E G V C M E I D D L A L P L V Q G Y V K T T
UniRef90_C6LXC7 UniRef90_D4YP25 UniRef90_UPI000474F294 UniRef90_B9FUD5	GYDQPVHIVMLEVPAKAAEGVAMELVDCAFPLLSGFTLTAYGDEPIELRLLEVPQQALDGVIMELVDHASPRIANIVATDSGQMFGHLLELEQALPALEGVAMELDDCAFPLLKRIVCTSMSPLVSALHLYDIANVDGVTADLGHCNTPAKVAGFTGKMTLNVKDIYLF PFPLQQNDKINDYASEVFSINELKL
UniRef90_U5SCA8 UniRef90_T1ARR1 UniRef90_U6DJI3	G K D Q P I I L V L L D I T P M M L D G V L M E L Q D C A L P L L K D V I A T D
UniRef90_Q8IX04-3 UniRef90_W9IAP7 UniRef90_A4HAC1 UniRef90_S6ELL2	A K GILA D R L V L L D L S E G T K G A T M D L E IL F N L P N V E IL S S H P L Q K T T G Y L P A N D L N P H V E E L V C C S T D D M P G A GILA A D L S H V D T L P K V H Y A A D E
UniRef90_S6ELL2 UniRef90_C7XW14	TQHRHAHLALYDVNADAVRGVTADLSHIDTGVSVSGYEGD QVDRLTLLDENDERVVGLQNDLQAG WPTAEIKT

UniRef90_S2ZCV8 UniRef90_Q4FQU7 UniRef90_UP1000362CD90 UniRef90_UP1000330DD23 UniRef90_A0A024JD63 UniRef90_W5EJL1 UniRef90_T0RJL6 UniRef90_B6RB90 UniRef90_A5DE02 UniRef90_UP100047B0F30 UniRef90_A3Y861 UniRef90_A0A022LLA0 UniRef90_A0A022LLA0 UniRef90_UP100037E2BBA UniRef90_UP10004727FF0 UniRef90_UP1000370E2E UniRef90_UP10003B70E2E UniRef90_A0C0W6 UniRef90_B4RCG7	90  100  110  110  120  DVN R A F Q G T N V A Y L V G A M P R R K G M E R A D L L E A N A G I F G P Q D A T V A F K D V D Y A L L V G S R P R G P G M E R K D L L E A N A A I F S A Q D L A T A F D G V S A A F L V G A K P R T K G Q E R G D L L A A N G T I F G P Q S S L E K F E S F D V L V I T A G R F R T P G M S R A D L L K E N S E I L Q S I E D G L K T A G A D L V I P A G L P R K P G M T R D D L F K I N A G I V R D L D P Y V I F E D A D WAL L I G A K P R G P G M E R A G I V D I N G G I F G P L D A D W A L L I G A K P R G P G M E R A D L L K V N G G I F G P L D A C V S G A Q L V L I P A G V P R K P G M T R D D L F N T N A S I V R D L N K E D S S A G T D V V I I P A G V P R K P G M T R A D L F N I N A S I V R D L D P Y V A F E N V D L A F L I G A K P R G P G M E R K D L L R V N A D I F A L Q N P E E G F N G A D Y A L L I G A R P R S A G M E R N D L L T A N A Q I F E R Q D P N V A F K D A N V A F L V G A K P R G K G E E R S A L L S A N G K I F G P Q K S Y E L I R N F D I L V I T A G V A R K L D Q T R D D L L K I N A S I I G E I D Q E D A L K G C D L V V I P A G V P R K P G M T R D D L F A I N A G I V R D L D P N Q A F A G C S Y G L L V G A R P R S K G M E R K D L L K I N A S I I G E I D P N Q A F A G C S Y G L L V G A R P R S K G M E R K D L L K N A N I F K E Q D A N V A F K D A N W L L V G S K P R G P G M E R K D L L K K D N G K I F I A Q
UniRef90_C0ZZ60 UniRef90_F8P9R9 UniRef90_E9EKP2 UniRef90_UP1000359DDEE UniRef90_Q5ENS5 UniRef90_W5EVZ9 UniRef90_UP10003B31073 UniRef90_UP10003B31073 UniRef90_UP10003B143B2 UniRef90_B4MY57 UniRef90_UP10003B50202 UniRef90_UP10003B50202 UniRef90_L7KV59 UniRef90_UP1000378F6FF UniRef90_UP1000378F6FF UniRef90_UP10004764FDB UniRef90_UP10004764FDB UniRef90_UP10004764FDB UniRef90_G4YTB0 UniRef90_G4YTB0 UniRef90_D4CZA9 UniRef90_D4CZA9 UniRef90_A2EMN2	D P D V A F S G A N V G M L V G A R P R S K G M E R A D L L S A N G A I F T A H D D G L K K A G A N I I V I P A G I P R K P G I N A G I V R D L N A G I V R D L D K A A F K D A D L I V I P A G I P R K P G M T R D D L F N I N A G I V R G L D P N V A F K D V D A A F M V G A M P R K E G M E R K D L L K A N V K I F K A Q N L E E C L T G C H L V L I P A G M P R K P G Q T R D D L F N K N A G I V R S I D P M T A F E G T D Y A L L V G A R P R G P G M E R K D L L T A N G G I F G P Q D P N V A F K D A D V V F L V G S R P R R P G M D R K D L L E A N G A I F G P Q D P N V A F K D A D V V F L V G S R P R R P G M D R K D L L E S N A N V A I I A V D P N T A F R D I D A A L L V G S R P R R P R M D R K D L L E S N A N V A I I K E K D P R K A A F R D I D A A L L V G S R P R R P G M D R K D L L E S N A N V A I I K E K D P R K A A F R D I D A A L L V G S R P R R S K G M E R R D L L S A N A A I F R V Q G E E M S N Q L V S K E D N V T L I K E K C D P R K A A F R D I D A G F F V G S R P R T Q G M E R S D L L K A N G A I F R V Q D P N V A F K D V D F A L L V G S R P R T Q G M E R S D L L K A N G A I F T V Q S P A E A F A G A N W G L L V G S R P R K Q G M Q R K D L I E K N V T I F K A Q N D G K T L K G A D V V V I P A G V P R K P G M T R D D L F T V N A G I V R D L F F C V F V S N N P A K G K P G M T R D D L F T V N A G I V R D L F F C V F V S N N P A K G K P G M T R D D L F T V N A G I V R D L K V E E A F K G V D V A F L V A S M P L K P G M T R D D L F N T N A S I V A T L K V E E A F K G V D V A F L V A S M P L K P G M T R D D L F N T N A S I V A T L K V E E A F K G V D V A F L V A S M P R K P G M T R D D L F N T N A S I V A T L K V E E A F K G V D V V I P A G V P R K P G M T R D D L F N T N A S I V A T L K V E E A F K G V D V V I P A G V P R K P G M T R D D L F N T N A S I V A T L K V E E A F K G V D V V I P A G V P R K P G M T R D D L F N T N A S I V A T L K V E E A F K G V D V V I P A G V P R K P G M T R D D L F N T N A S I V A T L K V E E A F K G V D V V I P A G V P R K P G M T R D D L F N T N A S I V A T L K V E E A F K G V D V V
UniRef90_G9KA08 UniRef90_UPl0003C4B05E UniRef90_UPl0003EAA57F UniRef90_V9KJA1 UniRef90_UPl0003F49727 UniRef90_W9UUT7 UniRef90_UPl00045DE89F UniRef90_G3YHE6 UniRef90_G0WB63 UniRef90_G9GQB5 UniRef90_G5BG62 UniRef90 W7BY50	E QL P D C K G C D V V V I P A G V P R K P G M T R D D L F N T N A S I V I A T L D Q L C M T R D D L F N T N A T I V A N L Q L G E A L K G S E V V V I P A G V P R K P G M T R D D L F N T N A T I V A V L R E E I A F T D L D V A I L I G S I P H H A G M L K K D L L K S N V R I F R S Q D N E R A L E G S D I V I I P A G V P R K P G M T R D D L F I N A G I C A T L N V E E G F E N I H Y A L L I G A Y P R G P G M E R R D L L E M N A E I F A R Q T D V S K L K D F D I V V I T A G I T R K E G Q S R E E L A K I N A S I V G E T D I E K A L K G A N L V I I P A G V P R R P G M S R D D L F K I N A K I V K S L D P L V A F D N V D A A F L V G A M P R K E G M E R K D L L A A N V K I F Q A Q Q P L A T I W K S L M S F M N L S C W I I S G M T R D D L F N T N A T I V A T L M A G I C A T L M Q Q A S S V V R R F
UniRef90_W/B/50 UniRef90_B3H560 UniRef90_A0A024TDC3 UniRef90_U4UEM0 UniRef90_B1ZRV8 UniRef90_R0HDB1 UniRef90_UP10004541976 UniRef90_F0ZJ23 UniRef90_L8WMD6 UniRef90_W5AHH1 UniRef90_E0VNQ7 UniRef90_C4R911 UniRef90_A0CVC4	K QLE D A T G M D L V I I P A G I P R K P G M T R D D L F K I N A G I V K T L D L Q T A F Q D A D I A I L L G G F P R K Q G M E R K E L I S K N G S I F K A Q D N L Q L A L Q H K I V A L M A G A P G A D A L P Y D K M W E P N S L V V K E I K P E V G F K D A N W C L L I G A K P R G P G M E R A D L L K D N G K I F I G Q Q L E E A L T G M D L V I I P A G V P R K P G M T R D D L F N I N A G I V R T L D V Q T A F L H I N V A I L V G A F P R G P G M Q R K D L L K V N V S I F K E Q D D G K A V K G A D V I V I P A G V P R K P G M S R D D L F K N A G I V K G L N I Q K A L E N P D V V V I A A G Y P T S P K L N G K K L F E K N A P I I A N L N D G L E K A G S D L V I P A G V P R K P G M T R D D L F A I N A G I I R D L D S A V A F K D A D V A I F L G A M P R K P G M E R S D L L Q M N R E I F I Q Q M T R D D L F N T N A T I V A T L
UniRef90_B3KTM1 UniRef90_L9X7P0 UniRef90_L9X7P0 UniRef90_K0YUS9 UniRef90_A4HA28 UniRef90_A4HA28 UniRef90_D6ZCH6 UniRef90_D0A0M1 UniRef90_Q9GSY1 UniRef90_Q9L8F6 UniRef90_C3UTD0 UniRef90_UPl000262A97F UniRef90_I7ECP2 UniRef90_D7BK12	T D P T L VD D A D V I V V T A S A P R S P D S F R L S V L E R N L E I A A D L D A N K A F E G C N Y A L L I G A R P R S K G M E R A D L L E A N G G I F G P Q K V G V P A K G V D V F V V V A G V P R K P G M T R D D L F K V N A G I M L D L D D K A A F K D A D I I V I P A G I P R K P G M T R D D L F N I N A G I V K G L D P A A A F A G A N V A L L V G A K P R A R G M E R S D L L R A N G G I F G P Q K L P P V K R D V D V F V I V A G V P R K P G M S R D D L F N V N A G I I M D L D P A V A F K D C D Y A F L V G S F P R K D G M D R S Q L L E K N G G I F K V Q D P T P A L E G A D V V L V S A G V A R K P G M D R A D L F N V N A G I V K A L C L A D A L K G A D V I I I P A G V P R K P G M T R D D L F N T N A G I V K T L D A N V A F A G A N V A L I G S R P R T A G M E R K D L L S A N V R I F K F G O S P P R K F G M F R K D L L S A N V R I F K F G O S P P R K F G M F R K D L L S A N V R I F K F G O S P P R K F G M F R K D L L S A N V R I F K F G O S P D F A F K D V A A A F L V G A M P R K F G M F R K D L L S A N V R I F K F G O S P D F A F K D V A A A F L V G A M P R K F G M F R K D L L S A N V R I F K F G O S P D F A F K D V A A A F L V G A M P R K F G M F R K D L L S A N V R I F K F G O S P D F A F K D V A A A F L V G A M P R K F G M F R K D L L S A N V R I F K F G O S P D F A F K D V A A A F L V G A M P R K F G M F R K D L L S A N V R I F K F G O S P D F A F K D V A A A F L V G A M P R K F G M F R K D L L S A N V R I F K F G O S P D F A F K D V A A A F L V G A M P R K F G M F R K D L L S A N V R I F K F G O S P D F A F K D V A A A F L V G A M P R K F G M F R K D L L S A N V R I F K F G O S P D F A F K D V A A A F L V G A M P R K F G M F R K D L L S A N V R I F K F G O S P D F A F K D V A A A F L V G A M P R K F G M F R K D L L S A N V R I F K F G O S P C T T T T T T T T T T T T T T T T T T
UniRef90_T1GJA6 UniRef90_X1XNQ7 UniRef90_A0A059J8J7 UniRef90_C6LXC7 UniRef90_D4YP25 UniRef90_UPI000474F294 UniRef90_B9FUD5 UniRef90_T1ARR1 UniRef90_T1ARR1 UniRef90_U6DJI3 UniRef90_Q8IX04-3 UniRef90_W9IAP7 UniRef90_A4HAC1 UniRef90_S6ELL2 UniRef90_C7XW14	DANKAFEGTNVGLLVGARPRTKGMERADLLAAANGGIFGPQ DPAVAFNDVSAAFLVGAMPRREGMERKDLLSANVKIFKAQ KLEVAFKNVDAAFLLGTMPNNESKEKKDFLSSNVNTFKLL  MTRDDLFSTNASIVRD  MTRDDLFSTNASIVRD  DNAEAFKDADYCLLFGAFPRKAGMERAELLSKNKGIFQVQ DPEVAFDGAHAALLIGSAPRKDGMTRGDLLEVNAGIFSTQ DLNEAMQSVNWALLVGSVPRKQGMERSDLLKINGGIFTKQ EELAGCAGVDVVVIPAGVPRKPGMTRDDLFGINAGIVREL GSEKDYADADILILSAKEERQENEQDSEYLRRNLLVRKI KEDVAFKDLDVAILVGSMPRRDGMERKDLLKANVKIFKCQ KDLSASAHSKVVIFTVNSLGSSQSYLDVVQSNVDMFRAL GAKAAFKDADIIVIPAGIPRKPGMTRDDLFNINAGIVKGL GQWPVLRDAQLILLCFGRSFDPHQDRRDVLKVAAPMARRI GGGGALEHADVVLIPAGVPRKPGMTRDDLFNINAGIVKGL GQWSSLHTADVIITAFGNQQQLQENRFGELTVNARAVHQM

UniRef90_S2ZCV8 UniRef90_Q4FQU7 UniRef90_UPl000362CD90 UniRef90_UPl000330DD23 UniRef90_A0A024JD63 UniRef90_T0RJL6 UniRef90_B6RB90 UniRef90_A5DE02 UniRef90_A5DE02 UniRef90_A5DE02 UniRef90_A5DE02 UniRef90_A78861 UniRef90_UPl00047B0F30 UniRef90_A3Y861 UniRef90_UPl00037E2BBA UniRef90_UPl00037E2BBA UniRef90_UPl00037E2BBA UniRef90_UPl0003B70E2E UniRef90_Q01DD4 UniRef90_UPl0003B70E2E UniRef90_B4RCG7 UniRef90_E9EKP2 UniRef90_E9EKP2 UniRef90_UPl000359DDEE UniRef90_UPl0003B31073 UniRef90_UPl0003B31073 UniRef90_UPl0003B31073 UniRef90_UPl0003B31073 UniRef90_UPl0003B50202 UniRef90_UPl0003B50202 UniRef90_UPl0003B50202 UniRef90_UPl0003F6F UniRef90_UPl000378F6FF UniRef90_UPl000450BF	GKALLND QAARD BYVL VVG N PANT N ALL A Q N AAP D D P A S R F T T G A ALL N D QAARD BYVL VVG N PANT N ALL A Q N AAP D D P A S R F T T G A ALL N D QAARD BYVL VVG N PANT N ALL A Q N AAP D D P A S R F T T G A ALL N D QAARD BYVL VVG N PANT N ALL A Q N AAP D D P A S R F T T G A ALL N D QAARD BYVL VVG N PANT N ALL A Q N AAP D D P A S R F T T G A ALL N D QAARD BYVL VVG N PANT N ALL A Q N AAP D D P A S R F T T G A ALL N D QAARD BYVL VVG N PANT N ALL A Q N AAP D D P A S R F T T G A ALL N D QAARD BYVL VVG N PANT N ALL A Q N AAP D D P A S R F T T G A ALL N D QAARD BYVL VVG N PANT N ALL A Q N AAP D D P A S R F T T G A ALL N D QAARD BYVL VVG N PANT N ALL A Q N AAP D D P A S R F T T T T T T T T T T T T T T T T T T
UniRef90_B3KTM1 UniRef90_X0KXZ7 UniRef90_L9X7P0 UniRef90_K0YUS9 UniRef90_A4HA28 UniRef90_H1W409	GAWFADGEPTPTVVV ANPCDRIAHRLWEASGWPRRFLG

UniRef90 S2ZCV8	170 180 190 A MMR L  D H N R A [] A Q L  A H K T G A N <u>A</u> D [] K D V V V  WG N H S A D Q Y	200
UniRef90_Q4FQU7 UniRef90_UPI000362CD90	A M T R I D H N R A M A O I A G K T D S T V N D V K K M I W G N H S S T O Y	/ P D
UniRef90_UPI000330DD23 UniRef90_A0A024JD63	A MARIL DHN RAMA QUAQKLERPAELEK MVVWGNHSAT QF MAGVLDEGRMAYHIKAFSGLKGQSVRP <mark>C</mark> VIGPHSDRMV GVTTLDVVRASTF <u>T</u> A <u>SVVGK</u> NPSK <u>F</u> TLPVVGGHSGETI	VIP
UniRef90_W5EJL1 UniRef90_T0RJL6	A <u>L.</u> T R L  D E N R A K F Q L  A <u>L.  </u> Q A G  V  F <u>Y</u> D K  V  S N M I  WG N <mark>H</mark> S T T Q   <u>V</u> A M T T  L  D E N R A K T Q  L  A Q K A G  V  D  V  T E  V  T N M I  WG N <del>H</del> S A T Q Y	/ P D / P D
UniRef90_B6RB90 UniRef90_A5DE02	G V T T L D  <u>V</u> V R A N T S I  A E <u>A</u> K G  <u>L </u> D  <u>V </u> A K V N  <u>V</u>  P V <u>I  G G H</u> A G A T  <u>I</u> G V T T L D S V R A E T F L G E  L T G Q S P S A I  R G H L S V I  G G H S G E	I P D T I
UniRef90_UPI00047B0F30 UniRef90_A3Y861	AMTRLDHNRAVSQLALH <mark>C</mark> G <mark>C</mark> SVNDLRVIIWGNHSTTQY ALTRLDHNRTKGLVAKHLGVTAEAENVIIWGNHSSTQY	/ P D / P D
UniRef90_A0A022LLA0 UniRef90_UPI00037E2BBA	A L T R L D H N R T K G L V A K H L G V T A E A E N V I I W G N H S S T Q Y A L M R L D H N R A L S Q L A T R L G A P V A E D G V V V W G N H S A T Q F A M M R L D H N R A L S Q L A K K L G R D V T D F Q V V A W G N H S A T Q F	- P D - A D
UniRef90_UPI0004727FF0 UniRef90_Q01DD4 UniRef90_UPI0003B70E2E	MAGEL DSARANLNLAKKEQISPLKDSAYVLGTHDDEMI GVTTLDIVRSNTFVAEAKGLDINDVDVPVIGGHAGITI AMMRLDHNRAISQLA <u>E</u> KTGAAVKDIKKMIWGNHSADQY	L P
UniRef90_A0C0W6 UniRef90_B4RCG7	<mark>C</mark> I IT RILID O N R A Y A OIVIAILIAILIN K PILIN S K NIL LLI WG N H S T T O Y	/ P S
UniRef90_C0ZZ60 UniRef90_F8P9R9	AMVRL DENRGRAQLAKKAGVSINDVSEFI YGNHSPTMF ALTRL DHNRAIAQVVKKTGVRASSRKVSVWGNHSATQY GVTTLDVVRASTFVSEI IGDRSLSTSVTVPVVGGH <u>S</u> GV	/ <mark>P D</mark> / T I
UniRef90_E9EKP2 UniRef90_UPI000359DDEE	G V T T L D  <u>    V </u> R	_  <u>P  V</u> = <u>P</u> D
UniRef90_Q5ENS5 UniRef90_W5EVZ9	TTTLDVVRANKFV VRLPAPPDRVNVPV I GGHAGTTI GVTTLDVARANTFVAEVLGVDPREVNVPV VGGHAGVTU	L P L P
UniRef90_UPI0003B31073 UniRef90_UPI00038143B2 UniRef90_Q9GSF6	A MVR L D H N R A V S Q L S S K T G V H G N D D Q V I I W G N H S S T Q Y A M T R L D H N R A V A Q L A R H L H V P V R S I D G I V W G N H S A S Q Y A M T R L D H N R M K G E L A E K A G V P Y S N H R V T V W G N H S N T Q V	/ <b>P</b> D
UniRef90_B4MY57 UniRef90_UPI0003B50202	GET TILIDIV VIR A K T EILIG O SE <mark>IC</mark> LID P O REINILIPIV I G G H S GET IL	L P
UniRef90_F3YKQ0 UniRef90_L7KV59	SMIRL DHNRAQGQLAAKAGVAVEDIEKVVWGNHSPTMF LGTMLATSYFQVEIAKLFKISPKNVHGYIIGDNAEDVI ALTRLDHNRAIAQLSHRAGVEVGEIRVTIWGNHSATQY	PV PD
UniRef90_UPI000378F6FF UniRef90_K1YFQ9	A MILIR LID H N R AIL IT Q F A Q K A GI <u>V SIV D AIT K K F I</u> V W G N H S P T M F A M M R IL ID H N R AIL IS QIT A A K T G H <mark>C</mark> T K IV IE Q M V V W G N H S A T Q F	P D
UniRef90_UPI0004764FDB UniRef90_G4YTB0	AMTRILIDENRAKAQILIAKKAG <u>IVIPIVI</u> AQIVITNAJI IWGNHSATQY ATTRILIDHERITRSEILVEKVINETRSAKKVVI IWGNHSSTON	/ P D
UniRef90_K5XPB2 UniRef90_D4CZA9	GVTTLDVVRSSTFVAEKHGNLSLATEVVVPVVGGG GVTTLDULRAETFAQKYTGE SVSTNLDLLRAETFAQKYTGE	HV
UniRef90_A2FKC7 UniRef90_A2DMN2 UniRef90_G9KA08	S L S M L D H N R A Y Y E V A H K L G V S L E D H D I T V W G N H G E S M V A M T R L D H N R M V G A L A A K F G V T P E K L H V C I W G N H S N T Q V G V T T L D I V R A N T F I A E L K G	/ P D
UniRef90_UPI0003C4B05E UniRef90_UPI0003EAA57F	GVT TLDL VR A N T FVA ELK GLD P A RVNVPV I G G H A G K TI GLD P A RVNVPV V G G H A G K TI	I P
UniRef90_V9KJA1 UniRef90_UPI0003F49727	S L N R L G L N R A K Y Q I A A R L S V E P K D V R N I V W G N P S P K L Y G V T H L D I V R A S T F V S A V V G K P A E G Y T V P V I G G H A G V T I	L P
UniRef90_W9UUT7 UniRef90_UPI00045DE89F	ALTRLDHNRAKGILANHTGANPKNIRIVVWGNHSTTQY IG <mark>C</mark> NLDSQRLQYIITNVLKAQTSGKEVWVIGEQGEDKV MAGELDSARAKLNLAKLKNISPTSAKLNVFGMHNDEMI	/ D D
UniRef90_S3YHE6 UniRef90_G0WB63	(3 V   M    D   V RAELE V V DE   (3EDSI    DKIKMDK   D    I	V
UniRef90_Q9GQB5 UniRef90_G5BG62 UniRef90_W7BY50	CLTRLDQNRAQAQIAEKLKVPPTVKNVIIWGNHSSTQF GVTTLDIVRANTFVAELKGLDPARVNVPVIGGHAGKTI LGTMLDTAFLQWELGRYFQVNAKNVHAYMIGSTLEKGV	I P
UniRef90_B3H560 UniRef90_A0A024TDC3	LGT ML DTAFLQWELGRYFQVNAKNVHAYMI GSTLEKGVGVTTLDVARANTFVAEVLGLDPREVDVPVVGGHAGVTIALTRLDHERMRSLLVKKIQSYPEHKHCVI WGNHSNTQVGHAGLTALDSVRANTFVAHVQGVEPECVMVPVVGGHSSETI	LP /PD
UniRef90_U4UEM0 UniRef90_B1ZRV8	GI TAL DSÜRANTFVAHÜQĞÜEPE <mark>C</mark> ÜMVPVÜĞĞHSSETI A <u>MV</u> RLD <u>QN</u> RAQTQLAK <u>K</u> AĞVDTA <u>VK</u> DIFI <u>Y</u> ĞNHSP <u>S</u> MF	P F P S
UniRef90_R0HDB1 UniRef90_UPI0004541976	G V T M L D V V R A N T F V A E V M S L D P R E V D V P V V G G H A G V T I G V T T L D L V R A N T F V A E L K G L D P A R V N V P V L G G H A G K T I	L P I P
UniRef90_F0ZJ23 UniRef90_L8WMD6	A MVRL D Q N R A Q T Q L A K K A G V D T A V K D I F I Y G N H S P S M F G V T M L D V V R A N T F V A E V M S L D P R E V D V P V V G G H A G V T I G V T T L D L V R A N T F V A E L K G L D P A R V N N V I I WG N H S L T Q V A L T R L D Q N R A Q S M I S E K V G V S V E N N N V I I WG N H S L T Q V G V T T L D V V R A S T F L A T V A G S S A P D Y T V P V V G G H S G V T L G V T T L D V V R A K T F Y A G K A N V P V T G V N V P V V G G H S G V T L G V T T L D V V R A N T F V A E S K D K E A S A F D T R V L G G H S G E T L G V T T L D C V R A N T F V A E S K D K E A S A F D T R V L G G H S G E T L S L M Q L D P A R V N V P V I G G H A G K T I T L D I V R A N T F V A E L K G L D P A R V N V P V I G G H A G K T I T G T T L D T Y R L R G M V A S R A L V S P S A V D A F V V G R H G E D Q N Y S L S E T A R L A D E L A R R A D D V S P S D V S C P I V G E H G E H M M A M M R L D H N R A I S Q L A E K T E A A V A D L K V V V W G N H S A D Q Y G V S L D G L R A T R F I V A E I S G K K P H E L N V P V I G G H S G E T I G V T L D I V R A E T F V A E I S G K K P H E L N V P V I G G H S G E T I G V T T L D I V R A E T F V A E I S G K K P H E L N V P V I G G H S G E T I G V T T L D I V R A E T F V A E I S G K K P H E L N V P V I G G H S G E T I G V T T L D I V R A E T F V A E I S G K K P H E L N V P V I G G H S G E T I G V T T L D I V R A E T F V A E I S G K K P H E L N V P V I G G H S G E T I G V T T L D I V R A E T F V A E I S G K K P H E L N V P V I G G H S G E T I G V T T L D I V R A E T F V A E I S G K K P H E L N V P V I G G H S G E T I G V T T L D I V R A E T F V A E I S G K K P H E L N V P V I G G H S G E T I G V T T L D I V R A E T F V A E I S G K K P H E L N V P V I G G H S G E T I G V T T L D I V R A E T F V A E I S G K K P H E L N V P V I G G H S G E T I G V T T L D I V R A E T F V A E I S G K K P H E L N V P V I G G H S G E T I G T T T T T T T T T T T T T T T T T	/ <mark>P</mark> D _I P
UniRef90_W5AHH1 UniRef90_E0VNQ7 UniRef90_C4R911	GVITIL DV VIRAK I FYAGKANVPVI GVINVPV V GGH GLITIL DV VIRANT FVGEV V K D P N DI I V PVI GGA SQETI	V P
UniRef90_A0CVC4 UniRef90_B3KTM1	GVTTLDEVKAANT FVAESKUKEAS FURVI WG NHSLT QY GVTTLDEVKAANT FVAELK GIDPARVIVVIVI GGHAGKTI	/ P D
UniRef90_X0KXZ7 UniRef90_L9X7P0	T G T T L D T Y R L R G M V A S R A L V S P S A V D A F V V G R H G E D Q V Y S L S E T A R L A D E L A R R A D V S P S D V S C P I V G E H G E H M V	/ V T / <mark>P</mark> V
UniRef90_K0YUS9 UniRef90_A4HA28	A M M R L D H N R A L S Q L A E K T E A A V A D L K V V V W G N H S A D Q Y G V S L L D G L R A T R F I N E A R K P L A V N Q V P V V G G H S D T T I	V P D
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UniRef90_D0A0M1 UniRef90_Q9GSY1 UniRef90_Q9L8F6	GVT LLDGLRATRFINNARHPLAVA SVPVVGGHSDVTI AMTRLDHNRMLGELAAQKNVTPGKHRCIIWGNHSNTQV GVTTLDVIRSETFVAALKDKDPGQVRVPVIGGHSGVTL	/ PD
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UniRef90_I7ECP2 UniRef90_D7BK12	AMTRL DQNRAQAQLAAKLGVPVQDKNVVI WGNHSSTQF AMMRLDHNRALSQLAEKTGAKVSDLKKMTWGNHSADQF	P D
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UniRef90_D4YP25 UniRef90_UPl000474F294 UniRef90_B9FUD5	A M I T II ID E II IR A R I CII IA K K A GIVID I CIVIS CIM I II IWG N H S S I CIY	( <del>P</del> I)
UniRef90_U5SCA8 UniRef90_T1ARR1	PAEAVRRHDAGRRARQHVRRGDEGPPARRRRPGGS LGTYLDTLYFQKLVSKVLDTSFREVKGYVLGGTSPHKL AMVRLDHNRALSQLAEKTGAHTTDLRVMVWGNHSSTQY	A A P D
UniRef90_U6DJI3 UniRef90_Q8IX04-3	<mark>C</mark> LTRLDHNRAKAQIALKLĞVTSDDKNVII WĞNHSSTQY I G <mark>C</mark> NLD <u>SQRLQYL</u> I TNVLKAQTSGKEVMVI GEQGEDKN	/
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UniRef90_S6ELL2 UniRef90_C7XW14	GIITRIL DAVRASTFIL <mark>H</mark> EAT VRAGSTPKSNTL P <mark>YVI</mark> LGTV VDTARLKLAII QNASQQNV <mark>H</mark> SITEGYVY GQ <mark>H</mark> DGNL V	/ T A

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210 220 230

V S F A K V A G K P A T E L V D E E WL S S Y Y R P T V A K R
L T A S T V N G K L A L D L V D R T WY E G T Y L P E V Q Q R
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A S N A V V V V G G S E K S V P A A L N D N D Y L T N T F V S T V Q K R G A A
V S W A T V A G K P A T E L V
D E A WL A D Y F V P T V A K R G A A
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L I S Q S N H P
DI A G E A L D K L T N R I Q F G G D
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E T F A T V G G T P A L D V I D R D T W L D T I V P
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UniRef90_UPI00047B0F30 UniRef90_A3Y861 UniRef90_A0A022LLA0 UniRef90_UPI00037E2BBA UniRef90_UPI0004727FF0 UniRef90_Q01DD4	I QKRGKSSAASAANAALEHMRNWLFGTPAGDWTSMTVDGS I KARGHSSAASAAQAII DHMHDWALGTQNDDIVSTFSDGS II VRGSSSAASAAGAAVDQMRDWVHGTPGESWTTVALDGQ LEVRGSSSAASAASAAIDHMHDWCLGTPQDNWVTAALDGS  VVEAKGSATLSMAYAAARMAEACLRGLSGEPDVYECTYVA
UniRef90_UPI0003B70E2E UniRef90_AOCOW6 UniRef90_B4RCG7 UniRef90_C0ZZ60 UniRef90_F8P9R9 UniRef90_UPI000359DDEE UniRef90_Q5ENS5 UniRef90_UPSEVZ9 UniRef90_UPI0003B31073 UniRef90_UPI0003B31073 UniRef90_UPI0003B3143B2 UniRef90_UPI0003B50202 UniRef90_UPI0003B50202 UniRef90_UPI000378F6FF UniRef90_UPI000378F6FF UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB UniRef90_UPI0004764FDB	I E A R G A S S A A S A A S A A I D H M H T WALGT P E G D W S T F P S H G E V L N A R G N S S F S A A N A V K D H I K D W F N G R E D T L S L G V L S N G E I E A R G Q S S A A S A A N A L I D H V R S L N T V G E V H S I A V N S E G R I A A R G S S S A A S A A S A S I D H V R D W V I G T A E D D W V S V C S D G S V V K A K D S A T L S M A F A G A E F A G K V I R A L N G E K G L V A P S Y V N V V K A K D S A T L S M A Y A G F R F A E K L L R A K G L V E P S Y V Y L P G V I K A R K L S S A M S A A K A A C D H M R D W F I G T K G G N W V S V I S D G S V V N G K G S A T L S M A Y A G A R L G K S V L A G L A G Q R R T E C A Y C K V V E A K G S A T L S M A F A A A K F A D A C L R G M R G D A G L V E C S Y V A K A R G L S S A A S A A S A A S A A I D H M H D W A L G S N G K W V S M G V P S D G S I D V R G S S S A A S A A S A A N A A L D H L H D W V N G T G D R W T S A A L V D G S I D V K A K G S A T L S M A F A G A Q F V G S L I K G I K N E E P L V E C A F V E E A R G A S S A A S A A S A A N A A L D H L R D W V L G S G D R W V S M G L S S T G A P F E N K D G C S F S T V T V L A E L T E V V L R D E A R V I T V G V E V K D A L E A R G A S S A A S A A S A A N A A I D H M R D W L G T G G G W V S M G V Y S N S I E A R G A S S A A S A A S A A N A A I D H M R D W L G T G G G W V S M G V Y S N S I E A R G A S S A A S A A S A A N A A I D H M R D W L G T G G G W V S M G V Y S N S I E A R G A S S A A S A A S A A N A A I D H M R D W L G T G G G W V S M G V Y S N S I E A R G A S S A A S A A S A A N A A I D H M R D W L G T G G G W V S M G V Y S N S I E A R G A S S A A S A A S A A N A A I D H M R D W L G T G G G W V S M G V Y S N S I E A R G A S S A A S A A S A A N A A I D H M R D W L G T G G G W V S M G V Y S N S I E A R G A S S A A S A A S A A N A A I D H M R D W L G T G G G W V S M G V Y S N S I E A R G A S S A A S A A S A A N A A I D H M R D W L G T G G G W V S M G V Y S N S I E A R G L S S A A S A A S A A N A A I D H M R D W L G T G G G W V S M G V Y S N S I E A R G L S S A A S A A S A A N A A I D H M R D W L G T G G G W V S M G
UniRef90_UPI0003C4B05E UniRef90_UPI0003EAA57F UniRef90_V9KJA1 UniRef90_UPI0003F49727 UniRef90_W9UUT7 UniRef90_UPI00045DE89F	VVKAKGSATLSMAYAGARFVFSVLDA VVKAKGSATLSMAYAGARFVFSLLDAMNGKEGVVECSFVR TKVRKLSSAMSAAKAISDHLRDLWVGTPEGDWTSMGVGNS VVKAKDSATLSMAQAGAEFAEFVLEAAFGGKSKVVQAYVY I AARGQSSAASAAQAI VDHMHDWVLGTSPGEI VSMFSDGS LLRVKSQRSWSVGLSVADMVDSI VNNKKKVHSVSTLAKGY
UniRef90_S3YHE6 UniRef90_GOWB63 UniRef90_QOGQB5 UniRef90_Q5BG62 UniRef90_B3H560 UniRef90_B3H560 UniRef90_B3H560 UniRef90_B1ZRV8 UniRef90_B1ZRV8 UniRef90_B1ZRV8 UniRef90_B1ZRV8 UniRef90_B1ZRV8 UniRef90_LPI0004541976 UniRef90_LBWMD6 UniRef90_LBWMD6 UniRef90_LBWMD6 UniRef90_C4R911 UniRef90_C4R911 UniRef90_AOCVC4 UniRef90_B3KTM1 UniRef90_B3KTM1 UniRef90_B3KTM1 UniRef90_L9X7P0 UniRef90_L9X7P0 UniRef90_C4HA28 UniRef90_H1W409 UniRef90_D6ZCH6 UniRef90_D0AOM1 UniRef90_QOGSY1 UniRef90_Q9GSY1 UniRef90_Q9L8F6 UniRef90_Q150	V V K A K D S A T L S M A L A G Y K F A E E L L R S L H K T I P A F V Y L P G I V I R G L S S A M S A A N A S V D H M R D W W Q G T K D R W V S M G V F S N G E V V K A K G S A T L S M A Y A G A R F V F S L V D A M N G K E G V V E C S F V Q P L A E N R L F D Y S I A L A L V E L T R I L G D E R M L T V G V Y V Q D K V V E A K G S A T L S M A Y A A A K F A D A C L R G D A N V V E C S F V A I L Q R K L S S A M S V A A A K F A D A C L R G D A N V V E C S F V A I L Q R K L S S A M S V A A A K F A D A C L R G D S E L V S M A V L S T G N K L K A N E S G Q L A S A F A A A R F I L S L V K A L Q G Y P D I V E S A F V N I A A R G A G S A A S A A N A L V D H V R S L V T P G A V H S I A V K K S N G A V V V E A K A G S A S A A S A A N A L V D H V R S L V T P G A V H S I A V K K S N G A V V K A K G S A T L S M V G L H C N V Q F Q M N P G L E F I F Q S L N T F V V K A K G S A T L S M A Y A G A F F V F S V V D A M N G K E G V V E C S F V R I A A R K L S S A A S A A N A L V G H M R D W L L G T R D G E V V S V Y S D G S V V K A K K D S A T L S M A Y A G A V F G D A C L K G L N G V P D I V E C S F V Q N C G T R G A S S L S T A Y A A F R F T S S L M M A L K G A E N I I E C A Y V K V L A K N S A T L S M A Y A G A Y F G D A C L K G L N G V P D I V E C S F V K V L A K N S A T L S M A Y A G A Y F G D A C L K G L N G V P D I V E C S F V K V L A K N S A T L S M A Y A G A R F V F S L V D A M N G K E G V V E C S F V K V L A K N S A T L S M A Y A G A R F V F S L V D A M N G K E G V V E C S F V K V L A K A S A S A A S A A S A A S A G S A A F R F T S S L M M A L K G A E N I I E C A Y V K V K A K D S A T L S M A Y A G A R F V F S L V D A M N G K E G V V E C S F V K V L A K N S A T L S M A Y A G A R F V F S L V D A M N G K E G V V E C S F V K I L D K H E V Y P V S H V K Y K A K D S A T L S M A Y A G A R F V F S L V D A M N G K E G V V E C S F V K I L B C A Y V K A K D S A T L S M A Y A G A R F V F S L V D A M N G K E G V V E C S F V K I L B C A R G S S S A A S A A S A A N A L C C S V I L D K H E V Y P V S H V Y A Y V D V K A K G S A T L S M A
UniRef90_UPI000262A97F UniRef90_I7ECP2 UniRef90_D7BK12 UniRef90_T1GJA6 UniRef90_X1XNQ7 UniRef90_A0A059J8J7 UniRef90_C6LXC7 UniRef90_D4YP25 UniRef90_UPI000474F294 UniRef90_B9FUD5 UniRef90_USSCA8 UniRef90_T1ARR1	I LERGGSSVASAANAALEHTRDWVRAAGRWTSAAIVSRGEIAARKMSSALSAAKAASDHMRDWFLGSDSWVSMGVVSDGSIEARGASSAASAASAALDHVYNWVNGTPEGDWVTIWSDGHISARKMSSAMSAAKAACDHMHDWWNGTQSGNYVSVISDGSIQARKKLSAMSAAKAACDHMHDWWNGTQSGNYVSVISDGSIQARKKLSAMSAAKAAVDHMHDWWNGTADGTWVSMGIDGSVVXKAKGSATLSMAQAGARFADSLLRATQGEQNVIEPTFVDIEARGHSSSASAANAAIDHIRDWHMGTKPGVFVSCSLGNPIQARGGSSVVSAASATLDHLRDWEQGTDGRWVSMAVPEARIL
UniRef90_U6DJI3 UniRef90_Q8IX04-3 UniRef90_W9IAP7 UniRef90_A4HAC1 UniRef90_S6ELL2 UniRef90_C7XW14	VVKAKDSATLSMAYAGFRFAEKVLRAVKGEKGLVEPSYVY STEAAPPVALSLAYATCDFSTSLLKAQRGDVGIVECALVE VVKAKNSATLSMAHAAYKVVESFLQDSKGQPINASAQKLL ALRGLGSDWNAVYAWTLRVLQALFTNSNATFSLAVN

	290 300 310 320	`
UniRef90_S2ZCV8 UniRef90_Q4FQU7	Y GV P A GL N F G F P V T S D G G E W Q V V D G L E I S D A T R A G L D H N L Y G L A K G L L Y S E P C T C T N G D W S L V D G V D V S A E S K E K M A A T E	,
UniRef90_UPI000362CD90 UniRef90_UPI000330DD23 UniRef90_A0A024JD63	Y GIVE E GL V F G F P T V A R E G R W E I V Q G L D L S E F Q R Q R II A A N V H G I E S K I F F G W P V I L G K E G V K K K V N P E I N T Q E L G E L N S A L E G G K E V D F F S V P V E F G K D G A T R V Q N P K I N D Y E K K L L S V A V	
UniRef90_W5EJL1 UniRef90_T0RJL6	E G G K E V D F F S V P V E F G K D G A T R V Q N P K I N D Y E K K L L S V A V Y G I A E D L V F S M P C R S K G D G D Y E V Q H V A M D D F L W D R I K K S E Y G V D E G L I F S F P C R V E N G K L I V V E G Q E H N A F G T E K F N A T L	
UniRef90_B6RB90 UniRef90_A5DE02 UniRef90_UPI00047B0F30	K Y V N G V T F F S V P V L L Q N G E I S S F I N P K I T S E E A N I T E V A L Y D I T P G I M F S Y P V E I E N A K Y R V V Q N I E T S E F S R E R I K I T E	
UniRef90_A3Y861 UniRef90_A0A022LLA0	Y GI E K GL F Y S F P M Q C H D G V C E I K Q G L A L S E F S K A R M L E T Q Y G T V P G V V T G L P C R S N G G E W E V V E G L E I D D F Q R A R I D A S V Y G V P E G L V F G F P A R S V N G E W Q I V P D L E L T D Y Q R E R I A Q N V	
UniRef90_UPI00037E2BBA UniRef90_UPI0004727FF0 UniRef90_Q01DD4		
UniRef90_UPI0003B70E2E UniRef90_A0C0W6	Y G V P E G L T Y G M P V T C K D G Q Y Q V V E G L E L P E K T K Q H T V A N A Y G V Q S G L C F S Y P I C L G A F K Y E I V G N L E L S D F S K Q K L K V T E	
UniRef90_B4RCG7 UniRef90_C0ZZ60	Y GFAEGVWAGMPVKTTAPGAYEVVSYEMDDFAKSKIKITN Y GVPEGLISSFPVT CADGEFAIVPDLAIDDFSRERIDLSV	
UniRef90_F8P9R9 UniRef90_E9EKP2 UniRef90_UPI000359DDEE	PGGDGCDFFSWPVELGFENGKERSEKITEAEQVLVKAAV PGGDGCDFFSWPVELGPNGAEKATNPGLTEKEKGLLGKAV YGINKEGINYSEPVITIENKKITIVOGISLNEF	
UniRef90_Q5ENS5 UniRef90_W5EVZ9	SEITDLPYFAQKVVFGKEGISKVLPLELNEYETKRLEEVK SEVTELPFFASKVRLGRGGAEEILPLPLNDFERAGLEKAK	
UniRef90_UPI0003B31073 UniRef90_UPI00038143B2 UniRef90_Q9GSF6	Y GI K P GI V Y G Y P C I C K D G G Y E I V Q GL S V D D F S R G K M I I I E Y G V P E G L V S S F P V R S V D G E W R I V P D L A V D A F S R E R I D A S V Y G I K K G T V F S F P C F V D A N G N V H V V G I F V T G W R O K I F A T F	
UniRef90_B4MY57 UniRef90_UPI0003B50202	SNVTPLEFFASPVILGPSGIKDIPCLPLDQLESQMLQGLL YDIPEGLYCGVPATCAAGSVQRIEGLEVGDFQRQMIERTV	
UniRef90_F3YKQ0 UniRef90_L7KV59 UniRef90_UPI000378F6FF	Y GLIEN PIVIFII SIVIPAIVI GA E GIVIR ELL LIELL HILLS DDE QKELLIK QILA Y GIVIPE GILVIC SEPVEN SIVA GEWELLI VE GLIELLIGA E O O O MILD RIVI	
UniRef90_K1YFQ9 UniRef90_UPI0004764FDB	S N V T E L P F F A Y G V P E G L I Y G M P V I C K D G Q Y Q V V E G L E L P E K T K Q H I V A N A Y G V Q S G L C F S Y P I C L G A F K Y E I V G N L E L S D F S K Q K L K V T E Y G F A E G V W A G M P V K T T A P G A Y E V V S Y E M D D F A K S K I K I T E Y G F A E G V W A G M P V K T T A P G A Y E V V S Y E M D D F A K S K I K I T E Y G V P E G L I S S F P V T C A D G E F A I V P D L A I D D F S R E R I D L S V Y G V P E G L I S S P P V T C A D G E F A I V P D L A I D D F S R E R I D L S V Y G I K E G L M Y S F P V T I L E N K K I T L V Q G L S I N E F S E I T D L P Y F A Q K V V F G K E G L S K V L P L E L N D F E R A G L E K A K Y G I K P G I V Y G Y P C I C K D G G Y E I V Q G L S V D D F S R G K M T I T E Y G V P E G L V S S F P V R S V D G E W R L V P D L A V D A F S R E R I D A S V Y G I K K G T V F S F P C E V D A N G N V H V V G L E V T G W L R Q K L E A T L S N V T P L E F F A S P V I L G P S G I K D I D Q L E V T G W L R Q K L E A T L Y G U P E G L Y C G V P A T C A A G S V Q R I E G L E V G D F Q R Q M I E R T V Y G L E N P V F I S V P A V I G A E G V R E L L E L H L S D D E Q K E L K Q I A Y G V P E G L Y C G V P A T C A A G S V Q R I E G L E V G D F A R K M M T A T E Y G V P E G L Y C S F P V R S V A G E W E L V E G L D I N E F S R A R I D A S I Y G I P E G L M A G V P V I C E N G E W K E V K G L A V S D F A R K M M T A T E Y G V P E G L V F G Y P V E T S A D G G W H V T E I E H S P A A Q E R I R K T T Y G V P E G L I Y S F P V K C T G N G A Y E V V N L P T S S R I D A M M K A T A S E G K E V A Y F S S N I E L G B G A Y E V V N L P T S S R I D A M M K A T A S E G K E V A Y F S S N I E L G B G A Y E V V N L P L S P T S S R I D A M M K A T A S E G K E V A Y F S S N I E L G B G A Y E V V N L P T S S R I D A M M K A T A	
UniRef90_G4YTB0 UniRef90_K5XPB2 UniRef90_D4CZA9	Y GVPE GLIYS F PVK CT GN GAYEV VINL PTSSRIDA MMK ATA SEGKEVAYFSSNIEL GLGGIAKI NPLKITDAERNLIKAAI NGG DVIEVESMBVELGESGAENI VINLEVNEREKALIEWSK	
UniRef90_A2FKC7 UniRef90_A2DMN2	Y G V P E G L I Y S F P V K C T G N G A Y E V V N L P T S S R D A M M K A T A S E G K E V A Y F S S N I E L G L G G I A K I N P L K I T D A E R N L I K A A I N G G D V I E Y F S M P V E L G P S G A E N I V N I E V N E R E K A L L E V C K Y G I K P G V V F S F P C K V D K E G H I H V V G Y K I N D W L K E K L A F T E Y G I K Q G T I F S F P V T V S K D G E V H V V E L E L N D W V K G R L E A T E	
UniRef90_G9KA08 UniRef90_UPI0003C4B05E	E GVIECS FVS T PLLLGKNGIEKNLGIKIS PYEEK MVA E A M	
UniRef90_UPI0003EAA57F UniRef90_V9KJA1 UniRef90_UPI0003F49727	SETTESPYFSTPLLLGKNGIEKNLGLKLSAFEEKLVAEAM YGVAEDLIYSFPVTIQNKTWKLVQDLAISDFSKQKMKLCT EIGTELEYFSVPIELGSSGIEKILSLKLDEYEQGLLGAAV	
UniRef90_W9UUT7 UniRef90_UPI00045DE89F	Y GVA E DLIY S F P V T I Q N K T W K L V Q D L A I S D F S K Q K M K L C T E G T E L E Y F S V P I E L G S S G I E K I L S L K L D E Y E Q G L L G A A V Y G I Q K G I V Y S F P V R C D Y G R Y Q I V K G L E I N E W G L Q Q M R L T E Y D I D S E V F L S L P C I L G I S G V S E V I K T T L K E D T V E K L Q S S A	
UniRef90_S3YHE6 UniRef90_G0WB63 UniRef90_Q9GQB5	S N G K E V E Y I A L P V N L V Y G S V A S I V L D N L T S E E T K L L N I A V Y G I P A G L M Y S F P V T V A N K K V T I V E G L D I N D F A R E K M D L T A	
UniRef90_G5BG62 UniRef90_W7BY50	SKETE <mark>C</mark> TYFSTPLLLGKNGLEKNLGIKISAFEENMI <u>V</u> EAI FGMASG FISIPAVIGATGVKTTLPLTLSDSEQKQLATVV	
UniRef90_B3H560 UniRef90_A0A024TDC3 UniRef90_U4UEM0	S QV NLE N S F T L F H C F N G F Y D V P D D L I Y S F P V K C I G N G K Y Q L A N V A V T P A I A K L M Q L S A S K V H F L K Y L A T P L L L G P L G V T K N F G L P L S D F E Q C M F D N A V	
UniRef90_B1ZRV8 UniRef90_R0HDB1	Y G F D A N V WA G M P V R T T T P G S Y E V I G Y A M D D F A K S K L A A T N E C K N T G L C S S E V C R C L P Q G S T R	
UniRef90_UPI0004541976 UniRef90_F0ZJ23 UniRef90_L8WMD6	YNIPKGLIFSFPUT CRQGQWSLVQDLKI SPFEQA SADPEGG KALIPNGVEKI I PI QU SDYFAAI VKTAT	
UniRef90_W5AHH1 UniRef90_E0VNQ7	STVTELPFFASKVRLGKSGVEEVMGLELSALEKEGLESKG SNLPQIEYMASPLKLGLCGIEHNFGYPLSDFEVSLMEQAA	
UniRef90_C4R911 UniRef90_A0CVC4 UniRef90_B3KTM1	S D S S D V D F F A L P V V L S S N G I E E I I L E K V D A K E T E L L K I A T Y G I P K G L C F S L P V T C K D F E F K V V G D V E L D D F A K Q R I Q L S L S O E T F C T Y F S T P I L G K K G I F R N I G I K V S S F F F K M I S D A I	
UniRef90_X0KXZ7 UniRef90_L9X7P0	Y N  P K G	
UniRef90_K0YUS9 UniRef90_A4HA28 UniRef90_H1W409	Y DI PEGL VYGVPCTSDG GDWKVVE T D G Q H E P F L A I P V I L G R H GI E K R L P I P L H P T E E K I L K E A L	
UniRef90_D6ZCH6 UniRef90_D0A0M1	Y GVPEGLVSSFPARSVNGEWLIVEGLHVGEFSRARIDASVTDGQNCSFLAIPVVLGKNGIEKRLPIPMNAVEKEMLKQSIYGIEPGVIYSFPVTVDEQGKVHIVELNVNSFIQEKMQVSL	
UniRef90_Q9GSY1 UniRef90_Q9L8F6 UniRef90_C3UTD0	Y GILLE P GIVI LY S F PIVIT IVID E Q G K IVIHIL VIE LLINIVIN S F IL Q E K M Q IVIS L	
UniRef90_UPI000262A97F UniRef90_I7ECP2	Y GVPEGLISSFPVTSSDGAWSIVDGLEIDEFSRERIDASV Y GTPRDVSFSFPV	
UniRef90_D7BK12 UniRef90_T1GJA6 UniRef90_X1XNQ7	Y GVP E GLIF G F P A V S E G G E W K V V E Y G A P K D I I F S F P V E I V N K Q W K I V Q G L K L D D F A N G K L A I T G Y G V P K D L I Y S M P V T I Y K K Q W T I V Q G L K I T S A K N K L D L A A	
UniRef90_A0A059J8J7 UniRef90_C6LXC7	S PI Y K D E F V A S N V R L G P N G V E P I K I S E Y E Q K L L D N C L Y G I A P G I F Y S M P C S C V D G K W Q I V K L D L P K E V L D E M K A S E Y G V P A G V V Y S Y P V T I E N G T Y T V V P Q L E L D D L Q R E R I T A S A	
UniRef90_D4YP25 UniRef90_UPI000474F294		
UniRef90_B9FUD5 UniRef90_U5SCA8 UniRef90_T1ARR1	CQVPELPFFACRVKLGRDGVEEVAELRLTEFEARALEALKEM KDIPLSIPVVLGGNGIRQIAGLSFSETEQKNLIVIAYGVAPGVIFGYPVTCKDGKFSIVQGLEVNAFSRARLAATE	
UniRef90_U6DJI3 UniRef90_Q8IX04-3		
UniRef90_W9IAP7 UniRef90_A4HAC1 UniRef90_S6ELL2	LPETGTDFFSVPIELGPNGAEKATNPGITEKEKALLAKAT SMRPETSFFSSRVELGRDGVQRIFPMGLTTYEHELIETAV SHINGLPYFAVPLRVTSAGVDEVIIERMSLFERERL QPQFDGYVSYPVQLNRQGVGNYVLLPLYPLETEQIKVAA	
UniRef90_C7XW14	QPQFDGYVSYPVQLNRQGVGNYVLLPLYPLETEQIKVAA	

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UniRef90_S2ZCV8	330 K A   L   Q E E Y D A   V   K A   L
UniRef90_Q4FQU7	QELSEERDAVAHL
UniRef90_UPI000362CD90 UniRef90_UPI000330DD23	A E L Q Q E R R A V A H L I
UniRef90_A0A024JD63	A E L Q Q E R R A V A H L L A L Q K E Y E E D G L K G N L
UniRef90_W5EJL1	A E  L
UniRef90_T0RJL6 UniRef90_B6RB90	NELREERAAVKEL
UniRef90_B0RB90 UniRef90_A5DE02	DGLQKS[DQ
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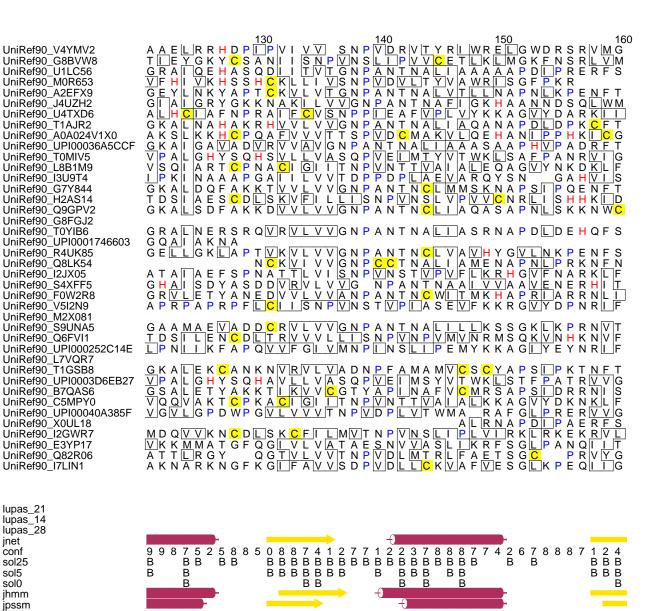
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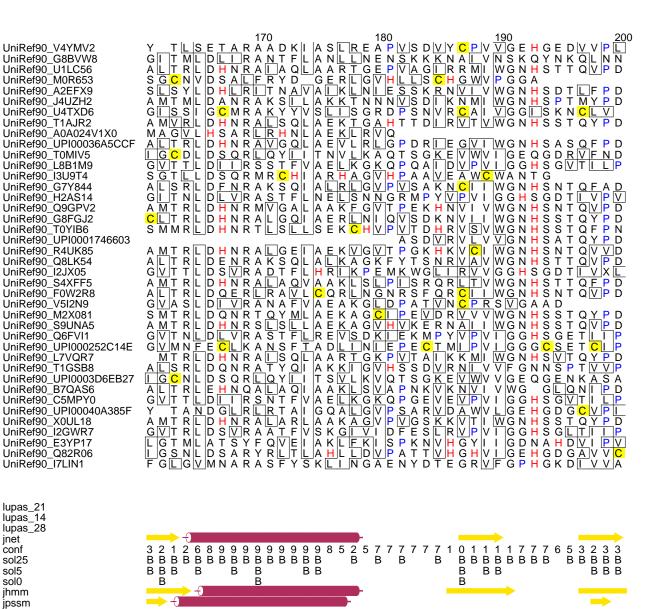
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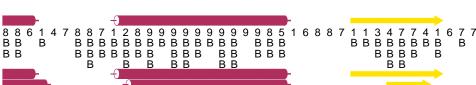
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