QUERY UniRef90_UPI0003B503EB UniRef90_UPI0003B6888B	1 10 20 30  PKLVLVRHGQSEWNEKNLFTGWVDVKLSAKGQQEA KVVLIRHGESVWNKANIFTGWTDVDLSEKGVQEA TKLVLVRHGESEWNKLNLFTGWTDVELSDKGRSEA KLVLVRHGESEWNKENFFTGWTDVKLSEKGUSEA	40 A R A G E V E G G Q
UniRef90_W5SNX7 UniRef90_B5JSU3 UniRef90_E6UBQ8 UniRef90_A5DVC8	KLVLVRHGQSIJWNLENRFIGWKDVDLIDQGREEA KLVLIRHGESEWNKENKFTGWTDVELSEAGVEEA	LEGGR KRAGQ KKAGK KRAGE
UniRef90_W6MM60 UniRef90_Q54NE6 UniRef90_Q12F50 UniRef90_O5BMD5	PKLILVRHGQSEWNEKNLFTGWVDVQLSAVGRKEA KLVLIRHGESTWNKENKFTGWTDVDLSEKGVQEA KLVLIRHGESTWNLENRFTGWTDVDLTETGIQQA KIVLRHGESTWNLENRFTGWTDVDLTETGIQQA KIVLRHGESTWNKDNRFTGWTDVDLSAKGVEEA KIVLLRHGESTWNKDNRFTGWTDVDLTEKGVEEA TKLVLVRHGQSQWNQENRFTGWEDVDLTDQGRAEA	ARAGE HEAGK KDAGK KKGGE
UniRef90_QSP7N4 UniRef90_K2GLG8 UniRef90_F4GQG9 UniRef90_UPl00035F2EE1 UniRef90_J6GR92	KI V L L R H G E S T WN K D N R F T G WT D V D L T E K G V E E A T K L V L V R H G Q S Q WN Q E N R F T G W E D V D L T D Q G R A E A K L V L M R H G E S Q WN L E N R F T G WT D V D L T D T G R E Q A K I V F M R H G E S T WN L S N R F T G W T D V D L T E K G I A E A R I V L I R H G E S V WN K E N R F T G W T N V D L S E K G V E E A	A R A G E F Q A G K R A A G K K K A G A
UniRef90_B5F050 UniRef90_UPI00037F5B06 UniRef90_UPI00036B338E UniRef90_E7NUE3	T K L V L V R H G E S Q W N K E N R F T G W Y D V D L S E K G V S E A K I V L L R H G L S E W N K L N L F T G W E D V D L T E Q G I E E A K V V M I R H G E S D W N K L N L F T G W T D V D L S E R G V Q E A [ K L V L V R H G E S E W N K L N L F T G W T D V E L S E K G M E E A	KAAGK REAGR IDAGK KEGGK
UniRef90_A0A010ZHV5 UniRef90_G4T4G2 UniRef90_U2WCQ1 UniRef90_I4F433 UniRef90_Q23F09	KLVLVRHGESEWNKLNLFTGWTDVELSEKGMEEA KLVLIRHGESTWNKENRFTGWQDVPLSEKGLAEA KLVLIRHGESTWNKENRFTGWTDVDLSDQGRAEA TLVLIRHGESEWNLENRFTGWTDVDLTEKGLSEA TLVLIRHGESEWNKANLFTGWVDVPLSEKGRAEA KIVLRHGESEWNKANLFTGWVDVPLSEKGRAEA	RAAGK RAAGK KSAGR ARGGE RSAGK
UniRef90_I1W8V3 UniRef90_E4RIV4 UniRef90_R5PI75 UniRef90_D2Z878	KI V L L R H G E S V W N K E N R F T G W K D V Q L S P K G I E E A K L V L L R H G Q S E W N K T N Q F T G W V D V P L T E K G R E E A K I V F V R H G Q S E W N L A N K F T G W T D V D L S E Q G I K E A K I V L L R H G E S T W N K E N R F T G W T D V D L T E K G I E E A K L V L L R H G E S V W N K E N R F T G W T D V P L S E D G V K E A K L V L L R H G E S V W N K E N R F T G W T D V P L S E D G V K E A	K N G G K E A A G E V K A G N H R A G R
UniRef90_E2MV10 UniRef90_F3ZCU8 UniRef90_B1MHP2 UniRef90_F0JH11 UniRef90_UPI00036A310F	KLVLLRHGESVWNKENRFTGWTDVPLSEDGVKEA KLILVRHGQSEWNASNQFTGWVDVALTDKGRAEA KLILVRHGESEWNATNQFTGWVDVNLTEKGEKEA TLILLRHGESCWNAKNLFTGWVDVDLTEKGRSEA TLVLIRHGESQWNAKNLFTGWVDVDLTEKGRSEA TLVLIRHGESVWNAKGLFTGWVDVDLTEQGVREA	V R G G E L R G G E Q R G G E V D G A K R R G G D
UniRef90_Q8A8R2 UniRef90_W7D648 UniRef90_F7K5C0 UniRef90_C2BG76	KI V L I R H G E S E WN K E N R F I G W I D V D L S E K G V E E A I K L V L I R H G Q S E WN K E N L F T G W H D V D L S E Q G V E E A K I V L V R H G E S E WN K E N L F T G W T D V D L S E T G E K F A	CKAGD KRAGE ADAGR KEAGK
UniRef90_F8N8P0 UniRef90_F9ZIJ3 UniRef90_E2SMS6 UniRef90_UPI000373D562 UniRef90_UPI000380A27B		
UniRef90_T1BM82 UniRef90_F4PX73 UniRef90_U2UQL7 UniRef90_UPI0003705B7F UniRef90_C7NK56	KIVLIRHGESIWN QENRFIGWIDVDLIPNGIQEA KLVLIRHGESEWN KENLFTGWTDVDLSEKGHEEA KLILERHGQSEWN ASNQFTGWVDVDLTEQGRAEA TLVLLRHGESEWN ALNLFTGWVDVRLTEKGIAEG KLVLLRHGESEWN ALNLFTGWVDVRLTEKGIAEG KLVLLRHGESTWN KENKFTGWTDVELSPAGLLEAI TLVLVRHGESTWN KENKFTGWTDVELSEQGRAEA TLVL RHGESEWN KLNLFTGWVDVDLSEQGRAEA TLIL LRHGQSEWN EKNLFTGWVDVDLTEKGRAEA KLIL RHGQSEWN EKNLFTGWVDVDLTEKGRAEA	VEAGR HEAGK RQGGQ ARGGQ RRGGE
UniRef90_Q6NJL2 UniRef90_UPl00036C4C0D UniRef90_F2UIE8 UniRef90_F5S9K5	KLILLRHGQSEWNASNQFTGWVDVNLTEKGEAEA KLVLLRHGQSDWNEKNLFTGWVDVDLTEKGREEA TVVFVRHGQSVWNLENKFTGWVDVPLSEQGVSEA ELVFIRHGLSEWNAKNLFTGWRDVKLSEQGLAEA	KRGGE VRGGE QEAGK TAAGQ
UniRef90_UPI0002D8435D UniRef90_UPI00035FE6CD UniRef90_UPI00039B7BD4 UniRef90_A0A011T8W0 UniRef90_UPI0003B443AA	KVILLRHGQSEWNEKNLFIGWVDVPLIEQGRAEAL KLVLRHGQSQWNLENRFIGWTDVDLTAQGLAEA KLILVRHGQSEWNKSNQFIGWVDVDLTEQGEQEA TLILLRHGQSEWNKTNQFTGWVDVVDLTEQGRGEA LVLRHGESEWNAKNLFTGWVDVDINEKGVGEA	G N A G E A N A G K A R G G E K K A A E
UniRef90_B7GE12 UniRef90_UPI0003679AD8 UniRef90_E8R0W2 UniRef90_V4AT30 UniRef90_E0QM57	T L V L V R H G E S T W N K E N R F T G W V D C P L S E A G E E E A K L V F A R H G E S L W N K A N L F T G W A D V D L S E K G V E Q A T L V M L R H G E S R W N L E N R F T G W V D C D L T E K G V A E A T L V L V R H G E S E W N K S N Q F T G W Y D C D L T E N C G V E E A	HKGGQ I EAGK KRAGE KFAGK
UniRef90_R1EV79 UniRef90_R9GMN7 UniRef90_V5SK32 UniRef90_E3H517	TLILLRHGQSVWNEANLFTGWADVGLTTLGKNEA KIVLIRHGESLWNQENRFTGWTDVDLSENGYLQA KIVMVRHGESEWNQKNLFCGWFDANLSEKGKEEA	A Q G A T K K A G E I A A G K Q R G G E
UniRef90_R5FX26 UniRef90_E1VSZ7 UniRef90_R4M0Y7 UniRef90_R6YSM7 UniRef90_J3VU46	L V L	A E G G R A R G G Q R R G G E K E A G K K K A G Q
UniRef90_UPI0004646169 UniRef90_W6K3Z8 UniRef90_E4LAE2 UniRef90_W9BRX0	TLILLRHGESEWNQKNLFTGWVDVDLTDKGRAEA	ARGGE
UniRef90_S9T6A6 UniRef90_I7JXK2 UniRef90_W4G541 UniRef90_L1QCY8 UniRef90_D3QHL3	T L V V I R H G E S Q WN K K N L F C G WT D V D L T Q Q G F A E A P Q L V L I R H G Q S Q WN L E N R F T G WW D V D V T E K G A E E A K L V L I R H G Q S V WN L E N R F T G WT D V D L S E Q G L I E A P K L I L C R H G Q S I WN A K N L F T G W A D V D L S E Q G R N E A T L V L M R H G E S E WN K T N Q F T G W Y D A P L S A K G H E E A T L V L M R H G Q S Q WN L E N R F T G W V D V D L T A E G E A Q A P K L I L C R H G Q S E WN A K N L F T G W T D V D L S E Q G L N E A K L V L V R H G E S E Y N R Q N L F T G W A D A D L N E K G K A E A E I V L I R H G E S E Y N R Q N L F T G W S D P D L T E K G I H E A K L V F S R H G E S E WN S K N L F T G W T N V Q L T E K G I N E A K L V L I R H G E S E W N S K N L F T G W V N V Q L T E K G I N E A K L V L I R H G E S E W N S K N L F T G W V N V Q L T E K G I N E A K L V L I R H G E S E W N S K N L F T G W V N V Q L T E K G I N E A K L V L I R H G E S E W N S K N L F T G W V N V Q L T E K G I N E A K L V L I R H G E S E W N S K N L F T G W V N V S F K G V F E A	T S G K K A A G K R R G G E V T A G C
UniRef90_B8C354 UniRef90_X5A4J2 UniRef90_K8Z9K6 UniRef90_Q74LL9 UniRef90_C5BYN5		
UniRef90_L8FDX3 UniRef90_K0KQS6 UniRef90_A7GPN5 UniRef90_D2Q1C6	P T L I L L R H G E S E WN A K N L F T G WV D V P L S E K G T A E A L L I L R H G E S T A N A D D R F G G WL D Y A L T N R G R D Q A P T L I I L R H G Q S E F N N L N K F C G WL D A K L T D K G K E Q A K L V L I R H G Q S L WN L E N R F T G WT D V D L S E N G L H E A R L I L L R H G H S D WN A K N L F T G WV D V D L N A Q G V E E A K L V L I R H G Q S I WN L E N K F T G WT D V E L S D N G L N E A K L V V V R H G E S E F N E L N L F S G WE D V D L T S K G I E E A T V L L M R H G E S T WN L E N K F T G WY D C P L S D K G H V E A	S A A G R K F A S N R T A G A H R G G Q
UniRef90_D4W3F7 UniRef90_UPI000255C5A2 UniRef90_F0YNT0	KIL V L I K H G Q S I WN L E N K F I G W T D V E L S D N G L N E A K L V V V R H G E S E F N E L N L F S G W E D V D L T S K G I E E A T V L L M R H G E S T WN L E N K F T G W Y D C P L S D K G H V E A	KLAAK KHAGA ADAGA

QUERY UniRef90_UPI0003B503EB UniRef90_UPI0003B6888B UniRef90_W5SNX7	N
UniRef90_B5JSU3 UniRef90_E6UBQ8 UniRef90_A5DVC8 UniRef90_W6MM60 UniRef90_Q54NE6	QL R E A G F E F D V V F T S V L K R A I R T M W T I L D E M D L M H L P V E R V L K E A G Y D F D I C Y T S Y L K R A I H T L N N V L A E M D R E W L P V V K L I Q E A G I K L D V V H T S K L S R A I Q T A D I A L E S A D Q L W L P V K R L L K E S G L K P E V L Y T S K L T R A I Q T A N I A L E A A D R L Y I P V H R R L L K A G F T F D I A Y T S V L K R A L R T L W L L E E L N L Y W I P V S R L L K A E G Y D F D L A Y T S V L K R A T R T L W H V L D E M D R T W L P V V N L E G Y D F D L A Y T S V L K R A T R T L W H V L D E M D R T W L P V V N L E G Y D F D L A Y T S V L K R A T R T L W H V L D E M D R T W L P V V N L E G Y D F D L A Y T S V L K R A T R T L W H V L D E M D R T W L P V V N L E G Y D F D L A Y T S V L K R A T R T L W H V L D E M D R T W L P V V N L E G Y D F D L A Y T S V L K R A T R T L W H V L D E M D R T W L P V V N L E G Y D F D L A Y T S V L K R A T R T L W H V L D E M D R T W L P V V N L E G Y D F D L A Y T S V L K R A T R T L W H V L D E M D R T W L P V V N L E G Y D F D L A Y T S V L K R A T R T L W H V L D E M D R T W L P V V N L E G Y D F D L A Y T S V L K R A T R T L W H V L D E M D R T W L P V N R A T R T L W H V L D W
UniRef90_Q12F50 UniRef90_D3BMD5 UniRef90_Q5P7N4 UniRef90_K2GLG8	LLKAEGYDFDLAYTSVLKRATRTLWHVLDEMDRTWLPVVN TLKHEGFTFDLAYTSVLKRANRTLDIVLDESDIPVVK LLKREGYTFDLAYTSVLKRANKTLNLVLEELDSLWLPVEH LLKEAGFEFDVAYTSVLKRANKTLNLVLEELDSLWLPVEH
UniRef90_F4GQG9 UniRef90_UPI00035F2EE1 UniRef90_J6GR92 UniRef90_B5F050 UniRef90_UPI00037F5B06	L L K E Q G F E F D L A Y T S V L K R A I R T L W I A L D A M D S M H T P T G L V L K E S G Y T F D L A Y T S V L K R A I R T L W L T M D E M D M M Y L P V K N I L K E N G F H F T Q A Y T S Y L K R A I K T L N Q I L D V M D L D W I P V E K L L K E E G F S F D F A Y T S V L K R A I K T L N Y A L D E M G D L W V P T N K
UniRef90_UPI00036B338E UniRef90_E7NUE3 UniRef90_A0A010ZHV5 UniRef90_G4T4G2	KLKEEGYTFDVAFTSVLKRAI KTLNIVLEQMDIQWIPVYKALREEGFDFDICYTSYLKRAI HTLNFILDEMDRNWLPVVKLLKKEGYLFDKAYTSVLRRAI KTLWCVLEETDLMWIPVEKLLCELGYEFDLAFTSVLKRAI RTLNRI QEEMDLDWIPVIR
UniRef90_U2WCQ1 UniRef90_I4F433 UniRef90_Q23F09 UniRef90_I1W8V3 UniRef90_E4RIV4	L L R E S G F D F D L C Y T S Y L K R A I H T L N H V L D N M D R V W L P V Q K L L A E Q G L L P D V L H T S L L K R A I S T A E L A L A T A D R Q W I P V R R T L K Q N G Y E F D V V Y T S V L T R A I M T Y N N L A D E L G C H H L P V I K L M K D K G V L P D I V F T S L L R R A I N T A N I A L D E A D R L W I P V K R I L E K E G F T F D L A F T S Y L K R A T K T L N I I L D L M D L H W I P V L K
UniRef90_R5PI75 UniRef90_D2Z878 UniRef90_E2MV10 UniRef90_F3ZVU8	L L K E K G F Q F E K A Y T S F L K R A V K T L N V V L D R M D L D WI P V E K L L A G E G Y S F D S A Y T S T L K R A I K T L WI V M E E M D L M W L P V Y K L L V E A G L K P Q V L Y T S L L R R A I N T A H I A L D T A D L L WI P V R L L K D S G L L P D V V H T S L L K R A I R T A Q I G L E A A E R H W I P V R R L L A Q Q G L L P D I L F T S L L R R A I N T A H L A L D T A D R L W I P V V R L L K E A G L T F D V A H T S L L R R A I R T L W L V Q D E M D L M W L P V F K L L K E A G V R P D V V H T S L L R R A I R T A N L A L E N A D L S W L P V E R L K E A G V R P D V V H T S L L V R A I R T A N L A L E N A D L S W L P V E R L K E A G V R P D V V H T S L L V R A I R T A N L A L E N A D L S W L P V E R L K E A G V R P D V V H T S L L V R A I R T A N L A L E N A D L S W L P V E R L K E A G V R P D V V H T S L L V R A I R T A N L A L E N A D L S W L P V E R L K E A G V R P D V V H T S L L V R A I R T A N L A L E N A D L S W L P V E R L K E A G V R P D V V H T S L L V R A I R T A N L A L E N A D L S W L P V E R L K E A G V R P D V V H T S L L V R A I R T A N L A L E N A D L S W L P V E R L K E A G V R P D V V H T S L L V R A I R T A N L A L E N A D L S W L P V E R L K E A G V R P D V V H T S L L V R A I R T A N L A L E N A D L S W L P V E R L K E A G V R P D V V H T S L L V R A I R T A N L A L E N A D L S W L P V E R L K E A G V R P D V V H T S L L V R A I R T A N L A L E N A D L S W L P V E R L K E A G V R P D V V H T S L L V R A I R T A N L A L E N A D L S W L P V E R L K E A G V R P D V V H T S L L V R A I R T A N L A L E N A D L S W L P V E R L T A N L A L E N A D L S W L P V E R L T A N L A L E N A D L S W L P V E R L T A N L A L E N A D L S W L P V E R L T A N L A L T
UniRef90_B1MHP2 UniRef90_F0JH11 UniRef90_UPI00036A310F UniRef90_Q8A8R2 UniRef90_W7D648	L L A Q Q G L L P D I L F T S L L R R A I N T A H L A L D T A D R L WI P V V R L L K E A G L T F D V A H T S L L R R A I R T L W L V Q D E M D L M W L P V F K L L K E A G V R P D V V H T S L L V R A I R T A N L A L E N A D L S W L P V E R A L R E A G F S F E A A Y T S Y L K R A V K T L N C V L D R L D K D W I P V E K L I K E A G L E F D V A F T S V L T R A I R T L D F A L A G S D Q L W V P V Y K
UniRef90_F7K5C0 UniRef90_C2BG76 UniRef90_F8N8P0 UniRef90_F9ZIJ3 UniRef90_E2SMS6	ALREAGES FEAAYTS YLKRAVKT LNCVLD RLDKDWIPVEK LIKEAGLEF DVAFTS VLTRAIRT LDFALAGS DQLWVPVYK TLLEQGYDFDLCYTS YLKRAIHTLDHILEEMDRCWLPVVK KIKEAGLRFDHAHTS VLKRAIKT CNFVLEYS DQMYVPQSK LLKEKGFHFDIAYTS YLKRAVKT LNNVLDTMDED WIPVYK LLKEHGFTFDIGYTS VLKRAVKT LNNVLDTMDED WIPVVK LLKQEGFDFDICYTS YLKRAVKT LNNVLD KMDQMWIPIEH
UniRef90_UPI000373D562 UniRef90_UPI000380A27B UniRef90_T1BM82 UniRef90_F4PX73	KLLADKFNFDIAYTSFLKRANNTLDFIEEMHLVGKVETVK
UniRef90_U2UQL7 UniRef90_UPI0003705B7F UniRef90_C7NK56 UniRef90_Q6NJL2 UniRef90_UPI00036C4C0D	L L K D E G F D F D V C Y T S Y L K R A II H T L G H V L D V M D R D F L P V H K L L A K N G I L P D I V H T S R Q K R A II D T A N L A L A E A D R G W I D V K R L L V A E G Y L P D V L H T S R L R R A II T T A N L A L D A A D R H W II D V K R L L K A Q G V L P S V V Y T S L L R R A II T T A N I A L N A A D R H W II P V V R L L V E K G L A P D V L H T S L L R R A II T T A H L A L D R A D R H W II P V K R
UniRef90_F2UIE8 UniRef90_F5S9K5 UniRef90_UPI0002D8435D UniRef90_UPI00035FE6CD UniRef90_UPI00039B7BD4	L L VIE K GL A P D V L H T S L L R R A I T T A H L A L D R A D R H WI P V K R M L K E H K Y E F D I A Y T S V L K R A I Q T C N I V L E E L D Q L Y I P V E K K L K A A G Y E F D I A F T S V L T R A I K T C N I V L E E S D Q L F V P Q I K L L V E A G L L P D I V Y T S R Q K R A I I T A N L A L E A A D R S WI D V K R L L K N E G Y H F D V A Y T S V L K R A I R T L W I V M D K M D L M W V P V H R L L T E S G V L P D I V Y T S L L R R A I R T A E I C L N V A D R H W I P V E R
UniRef90_A0A011T8W0 UniRef90_UPI0003B443AA UniRef90_B7GEI2 UniRef90_UPI0003679AD8 UniRef90_E8R0W2	L L K D S G I L P D I V Y I S L L K R A I K I A E I C L N V A D R H WI P V E R L L K D S G I L P D V L H T S V L K R A I H T A V L A L D G C D R H WI P V K R L L K A E G L L P D V L H T S V L K R A I H T A V L A L D G C D R H WI P V K R L L R E G G Y H F D K A Y T S T L K R A I K T L W I V L E E M D L M Y L P I T N L I K E A G E F D I V F T S V L K R A I K T T N L A L E S A D Q L W L P V E K Q L K A E G F A F D V A Y T S V L K R A I K T L W L A M D E L D Q L W V P V Y R A L K E K G Y T F D V A F T S V L K R A I K T L V F V Q D E L D L H W L P V H R D L K K D G F V F D I A Y T S Y Q K R A I K T L N I V L E E I D E L Y I P V Y K A L W R E G H T I D V A Y T S L L K R A Q Q T L E I V L K I T G Q E D V T V H R L K K N G Y N F D V A F T S V L K R A I K T L H L V L E E L D H L W I P E N K A I K F A G K F D V A F T S V L T R A Q N T L N S I L A F S G O T G I P V N K
UniRef90_V4AT30 UniRef90_E0QM57	ALKEKGYTFDVAFTSVLKRAIKTLYFVQDELDLHWLPVHR DLKKDGFVFDIAYTSYQKRAIKTLNIVLEELDELYIPVVK ALWREGHTIDVAYTSLLKRAQQTLEIVLKITGQEDVTVHR ILKKNGYNFDVAFTSLLKRAQKTLHIVLEELDHLWIPENK
UniRef90_V5SK32 UniRef90_E3H517 UniRef90_R5FX26 UniRef90_E1VSZ7 UniRef90_R4M0Y7	L L K E R G L L P D I V H T S L Q R R A I N T A N I A L D A A D R L WI P V K R A L A E A G F D F D I C Y T S Y L K R A I H T L N L I L Q S M D R E W L P V L K L T E A G Y K P E V L H T S L L T R A I V T A N L A L E A A G R S W I P V N R L L K E H G L L P D V V H T S V L R R A I R T S E I A L H T A D R H W I P V K R
UniRef90_R6YSM7 UniRef90_J3VU46 UniRef90_UPI0004646169 UniRef90_W6K3Z8 UniRef90_E4LAE2	V L K E Q G F H F D L A F T S V L K R A E D T L D Y I L K E M G E E N I E I K R I L K Q E G Y F F D F S Y T S V L K R A I H T L W V I L D E L D Q T W L P V E K I L K D A G F T F D I C F S S F L K R A I K T G I I L E E L D L L W I D H L K L M K E A G L L P D V V H T S V L R R A I T T A N L A L D A C D R H W I P V H R I L K D A F L T F D V C Y T S V L K R A I H T A Y T V L D F M D L T W I P V L K
UniRef90_W9BRX0 UniRef90_S9T6A6 UniRef90_I7JXK2 UniRef90_I4OCY9	AL WREGHT DVAYTSLLKRAQUT LEILVLKEIGEDVIVHR AIKKNGYNFDVAHTSVLTRAQNTLNSILAESGQTGIPVNK AIKEAGLKFDVAHTSVLTRAQNTLNSILAESGQTGIPVNK LLKERGLPDIVHTSLQRRAINTANIALDAADRLWIPVKR ALAEAGFDFDICYTSYLKRAIHTLNLILQSMDREWLPVLK LLKERGLPDVVHTSLLRRAILRTSELALHTADRHWIPVKR LLKEHGLPDVVHTSVLRRALRTSELALHTADRHWIPVKR VLKEQGFHFDIAFTSVLKRAIHTLWVILDELDQTWLPVEK ILKQEGYFFDFSYTSVLKRAIHTLWVILDELDQTWLPVEK ILKQEGYFFDFSYTSVLKRAIHTLWVILDELDLLWIDHLK LMKEAGLLPDVVHTSVLKRAIHTLWVILDELDLTWIPVLK LLKDAGFTFDICFSSFLKRAIKTGIILEELDLLWIDHLK LMKEAGLLPDVVHTSVLKRAIHTANLALEEMQRLWLPVEK LLKDAEITFDVCYTSVLKRAIHTANLALEEMQRLWLPVEK LLKDAEITFDVCYTSVLKRAIHTANLALEEMQRLWLPVEK LLKDAGLLFIPILKRAIKTTYHLLNESDQLFIPIHA KIKDQGIELDIVYTSVLKRAIRTLWIALHEMDQMWIPIHH KIKDQGIELDIVYTSVLKRAIRTLWIALHEMDQMWIPIHH KIKDQGIELDIVYTSVLKRAIRTLWIALHEMDQMWIPIHH KIKDQGIELDIVYTSVLKRAIRTLWIALHEMDQMWIPIHH KIKDQGIELDIVYTSVLKRAIRTLWIALHEMDQMWIPIHH KIKDQGIELDIVYTSVLKRAIRTLWILLEESDQLFIPIIK AVAEAGLTFDVAYTSVLKRAIRTLWILLEESDQLFIPIIK KVKENNIELDVAYTSVLKRAIRTCWHVLEESDQLWIPVHK LIKEAGGFTFDVAYTSVLKRAIRTCWHVLEESDQLWIPVHK LIKEAGGFTFDVAYTSVLKRAIRTCWHVLEESDQLWIPPTK LIKEAGGFTFDVAYTSVLKRAIKTLHLVLEESDQLWIPPTK LIKEAGGFTFDVAYTSVLKRAIKTLHLVLEESDQLWIPPETK LIKEAGGFTFDVAYTSVLDRAIKTCHYILEESDQLWIPPETK LIKEAGGIELDIAAYTSVLDRAIKTCHYILEESDQLWIPPETK LIKEAGGIELDIAAYTSVLDRAIKTCHYILEESDQLWIPPETK LIKEAGGIELDIAAYTSVLDRAIKTCHYILEESDQLWIPPETK LIKEAGGIELDIAAYTSVLDRAIKTCHYILEESDQLWIPPETK LIKEAGGIEFDQAYTSLLTRAIKTLHLVLEESDQLWIPPETK
UniRef90_L1QCY8 UniRef90_D3QHL3 UniRef90_B8C354 UniRef90_X5A4J2 UniRef90_K8Z9K6	KVKENNIEIDVAYTSLLKRALETTNYILKESDQLWIPVHK LIKEAGFTFDVAYTSVLKRALETTNVIILEEMDLMYIPIVN MLKEAGFTFDLAFASVLKRSIKTLHLVLEELDLLWIPVQK KIKAAGIELDHAYTSVLDRAIKTQHYILEESDQLWIPETK
UniRef90_Q74LL9 UniRef90_C5BYN5 UniRef90_L8FDX3 UniRef90_K0KQS6 UniRef90_A7GPN5	
UniRef90_D2Q1C6 UniRef90_D4W3F7 UniRef90_UPl000255C5A2 UniRef90_F0YNT0	L L LERDL LPDV LHTSL LRRAI RTANI AL EEAGRQWI DVRR V LNKHGFEFDVAYTSCLKRAI RTLWI I LHEMDLMWI PVYK L LANQNL IFDAAFTSV LKRSI KSLNYI LEGLHQEWI PVYK L VAEAGLAFDVAYTSTLKRAI RTLDHALEQSDHMWI PVTK

QUERY UniRef90_UPI0003B503EB UniRef90_UPI0003B6888B UniRef90_W5SNX7 UniRef90_B5JSU3	140 PP
UniRef90_E6UBQ8 UniRef90_A5DVC8 UniRef90_W6MM60 UniRef90_Q54NE6 UniRef90_Q12F50 UniRef90_D3BMD5 UniRef90_Q5P7N4	P E L E D G D E R L P E N D A R Y A N M D K A L L P R S E S L A L T I D R V I P M A L T E D D E R N P K K D P K Y R E E D P A E L P L Q E S L K D T I A R A V P P P I E A D A K Y S Q V G E R R Y L D I D P A C V P L T E S L K L V I D R L L P P P I A N D S E F S Q F G D E R Y A D V E P A V L P K T E S L K L V I D R L L P P A L E E S D E R Y P G N D P R Y A K L D K S D L P K T E C L K D T V E R F L P P L A A N D E R C E R G D P R Y A K L D P P E C L K D T V A R V L P P A L K S D D P R S P A L D P L Y K D V D P A L L P L T E C L K D T V A R F V P P L P E G D E R L T S G D P R Y A S L P R A Q F P R T E C L K D T V A R F V P P Q M T R D D E R Y A G K L R V Y R D L T E E Q I P L S E S L K D T V D R F V P
UniRef90_K2GLG8 UniRef90_F4GQG9 UniRef90_UPI00035F2EE1 UniRef90_J6GR92 UniRef90_B5F050 UniRef90_UPI00037F5B06	P Q MT R D D E R Y A G K L R V Y R D L T E E Q I P L S E S L K D T V D R F V P N P L E P D D P R H P R F D R R Y A K I A A D K L P A T E C L Q D T V A R V L P P P L E A G D D R A S F N D P R Y A G L D K S Q I P L T E C L K D T V A R V M P T P L A A T D E R A P G A D P R Y T G V V P A Y L P L T E A L C H T V A R T L P P E L T K D D E R Y P G A D P R Y A K L S E K E L P L T E S L A L T I D R V I P P L I E E T D K R H P S H D R R Y N H L K A E E K T G G E S L K D T Y D R M L P P Q L E K S D P R W P G N D P R Y A L V P E D E L P L S E S L K E T E A R A I P
UniRef90_UPI00036B338E UniRef90_E7NUE3 UniRef90_A0A010ZHV5 UniRef90_G4T4G2 UniRef90_U2WCQ1 UniRef90_U4F433 UniRef90_Q23F09	P P I A N D S E F S Q F G D E R Y A D V E P A V L P K T E S L K L V I D R L L P P A L E E S D E R Y P G N D P R Y A K L D K S D L P K T E C L K D T V A R F L P P P P L A A N D E R C E R G D P R Y A K L P P E Q L K D T V A R F V P P L T E C L K D T V A R F V P P L T E C L K D T V A R F V P P L T E C L K D T V A R F V P P L T E C L K D T V A R F V P P L T E C L K D T V A R F V P P L P E G D E R L T S G D P R Y A S L P R A Q F P R T E C L K D T V A R F V P P L P E G D E R L T S G D P R Y A S L P R A Q F P R T E C L K D T V A R R V V P P L P E G D E R Y A G K L R V Y R D L T E E Q L P L T E C L K D T V A R R V L P P L T E C L L R D T
UniRef90_I1W8V3 UniRef90_E4RIV4 UniRef90_R5PI75 UniRef90_D2Z878 UniRef90_E2MV10 UniRef90_F3ZCU8 UniRef90_B1MHP2	PEIDPNDQYAQNNDPRYAGDP VPEAECLADVVERVKP PALDADDSRHPKNESKYDELSEAELPDSESLKMTIKRVMP PALRENDPRNPRLDIRYMGIQSDHLPLTESLKDTVERILP PPLQDDDPRYPGKDPRYSGLSKDDIPRSECLKDTVDRFLP PELSDDSEFSQANDPRYANLDEVPRTECLLDVVKRFIPYF PPLAADAEYSQANDARYRTIPSDARPDTECLKDVVKRFIPYF PPLAADAEYSQANDARYRTIPSDARPDTECLKDVVVRMLP PPIERGSHYSQDQDPRYADIDGGPLTECLADVVARFVPYY
UniRef90_F0JH11 UniRef90_UPI00036A310F UniRef90_Q8A8R2 UniRef90_W7D648 UniRef90_F7K5C0 UniRef90_C2BG76	PEL DPSDPRFPGNDPRYASLAPEELPRCESLKLTIERTMPPVISDDDTYSQVDDRRYSQLPSELMPRTECLKDVLERTLPAPVGKDDPRNPGMDIRYAGVPDSELPRTESLKDTIGRVMPPLLEEGDERQAKNDRRYQLLDTSTIPTGENLKVTLERVIPPFLEETDPRNPALQEQYRQERGDILPLGESLKDTIERVVPPELSEEKEKQAHLPMFAHLPKDVIPGAENLKVTLERVLPPELSEEKEKQAHLPMFAHLPKDVIPGAENLKVTLERVLP
UniRef90_F8N8P0 UniRef90_F9ZIJ3 UniRef90_E2SMS6 UniRef90_UPI000373D562 UniRef90_UPI000380A27B UniRef90_T1BM82 UniRef90_F4PX73	P P L Q D D D P R Y P G K D P R Y S G L S K D D L P R S E C L K D T V D R F L P F E L S D D S E F S Q A N D P R Y A N L D E V P R T E C L L D V V R M F P Y P P L A A D A E Y S Q A N D A R Y R T L P D D A R P D T E C L K D V V R M M P P P L E R G S H Y S Q D Q D P R Y A D L D G G P L T E C L K D V V A R F V P Y Y P E L D P S D P R F P G N D P R Y A S L A P E E L P R C E S L K L T L E R T M P P V I S D D D T Y S Q V D D R R Y S Q L P S E L M P R T E C L K D V L E R T L P A P V G K D P R N P A L A G V P D S E L M P R T E C L K D T L E R V V P P L L E E G D E R Q A K N D R R Y S Q L L D T S T L P T G E N L K V T L L E R V V P P F L E E T D P R N P A L Q E Q R Q E R G D L P L G E S L K D T L E R V V P P F L E E T D P R N P A L Q E Q E N S D V P D T E S L K D T L E R V V P P A L N L A A D G T G S A L A D L R Y A K V P A Q Y L P V T E S L K D T V T D R V V P P A L N L D A C Q E M Y R C V D P A T E C L K D T V T D R V V P P A L D A C Q E M Y R C V D P A T E C L K D T V T D R V V P P P L L E E S D D R R P G D D T L P L G E N L K T T L D R V V P P A L D A C Q E M Y R C V D P A T E C L K D T V V E R F V P P A L E C L K D D P R A P L N L P A T E C L K D T V T D R V V P P A L D A C Q E M Y R C V D P A T E C L K D T V T R R F V P P A L E C L K D D P R A P L N L P A T E C L K D T V T R R F V P P L L E E S D P R S E R H D P R Y E Q T E A L K A M A G E C L K D V V E R F V P P L E A C L K D T V E R F V P P L E A C L K D T V T L E R V V P P L E A C L K D T V T L E R V V P P L E A C L K D T V T L E R V V P P L E A C L K D T V T L E R V L P P L E A L L E K D D D R R A P Q K Q P A Y R N V A A E D L P L A E S L E T T L L A R M L P Y V P P L E A L C L K D T V T L E R V L P P L E A L C L K D T V T L E R F V P P L L E A C L K D T V T R F L P P L E A L C L K D T V T R F L P P L E A L C L K D T V T R F L P P L L E A C L K D T V T R F L P P L L E A C L K D T V T R F L P P P L L D D S S E F S Q A N D P R Y A D L D A P R T E C L K D V V E R F M P Y W P P L L D D S S E F S Q A N D P R Y A D L D R T T E C L K D V V L R R F L P P L L D D D D D
UniRef90_U2UQL7 UniRef90_UPI0003705B7F UniRef90_C7NK56 UniRef90_Q6NJL2 UniRef90_UPI00036C4C0D UniRef90_F2UIE8 UniRef90_F5S9K5	PLLAESDPRSERHDPRYEQTEALKAMAGETLEDTVARVVPPALEKDDPRAPINDPLYKGVDPSLLPLTECLKDTVARVVPPALEKDDPRAPINDPLYKGVDPSLLPLTECLKDTVARVVPPALETPDDERAPQKQPAYRNVAAEDLPLAESLETTIARVVPPPLADDSEFSQVGDPRYADLGDAVPRTECLKDVQERMLPYPPIEADDSEFSQAGDPRYADLGAEVPATECLKDVVERLRPPELEDSSEFSQANDPRYANLDVPPRTECLKDVVERFVPYFPELEDSSEFSQAGDPRYADLDVPRTECLKDVVERFVPYFPELEDSSEFSQAGDPRYADVPDAPRTECLKDVLDRFMPYWPPATEDHEYYPGNFPWAKDIPKDKLPLTESLKLTLERVLPPLLDKDDEFSAHNDRRYAHLPSDVVPDGENLKVTLERVLPPLLDKDDEFSAHNDRRYAHLPSDVVPDGENLKVTLERVLPP
UniRef90_UPI0002D8435D UniRef90_UPI00035FE6CD UniRef90_UPI00039B7BD4 UniRef90_A0A011T8W0 UniRef90_UPI0003B443AA UniRef90_B7GEI2	
UniRef90_UPI0003679AD8 UniRef90_E8R0W2 UniRef90_V4AT30 UniRef90_E0QM57 UniRef90_R1EV79 UniRef90_R9GMN7 UniRef90_V5SK32	PLMSRDDEHSAHNDRRYALLDDSVIPDAENLKVTLERALP PPLSPDDPGHPRHDRRYRDLTPDQLPACESLKDTLARVLP PALTPDDERWAGRDKRYADLDSSCVPACECLKDTVARVLP PALDDDDERNVRFDAKYKDLDPKDMPKGESLKDTINRVMP PPIDTDSEYWPGNDNKYAHIPTEEIPLSECLKDTVERCLP PAVTKEDPRYPGNDLRYQELKEAELPLSENLNDTVARVLP PPMEKDHQYYETIDPRYAGDPPEEFPMFESLKLTIERTLP
UniRef90_E3H517 UniRef90_R5FX26 UniRef90_E1VSZ7 UniRef90_R4M0Y7 UniRef90_R6YSM7 UniRef90_J3VU46 UniRef90_UPl0004646169	P P L D D S D P Y S Q A N D P R Y A D V E N A P R T E C L K D V L G R M L P Y W P A L T E D D E R N P R L L A P Y R E A P A D E M P L T E C L K D T I A R A W P P A L D D S S E F S Q I N D E R Y A A L G D S A P R T E C L K D V L D R M L P Y P P I E D G N E Y S Q F D D P R Y A D L P P E L K P R S E C L K D V L L R A L P P E L E E T D P R Y P G N D P K Y K E L T K D E L P K T E N L V D T I K R V V E P A L S R E D G R F S G N D P R Y A N E P V E L P S T E C L K D N O L R S L A L T I N R V F H P P I S E D D P R H P R E D O K Y K N E P V E L P S T E C L K D N O L R S L A L T I N R V F H
UniRef90_W6K3Z8 UniRef90_E4LAE2 UniRef90_W9BRX0 UniRef90_S9T6A6 UniRef90_I7JXK2 UniRef90_W4G541	PPI EQGSEFDQTGDPRYVGV EVPLTECLKDVIPRMMPPSLDKDDERNPAFKMPYLKIKADKNFPSECLKDTVERVTPPPLDAGSEFDLSKDRRYAGI ALPNTESLKDTIARVLPPALEPTDSRFEAADRKYASLQPGQFPLTENLEDTEKRVLAPKQNEEQRNSYLNDRKYELLDRRVMPESESLKDTLVRVIPPQLTTDSEYYPGHDRRYKDLNKEDLPLSESLEMTAARVMP
UniRef90_L1QCY8 UniRef90_D3QHL3 UniRef90_B8C354 UniRef90_X5A4J2 UniRef90_K8Z9K6 UniRef90_Q74LL9 UniRef90_C5BYN5	P P L A P G G E F D F A G D P R Y A G K E L P D T E S L K T T L D R V Q P P A E T E A Q R E E Y L Q S R K Y R H L D K R M M P Y S E S L K T T L D R V V P P E C D E S S E Y Y P G N D P R Y A N V D K A D L P K T E S L K L T E D R F M P P M L E P D D P R Y A R N D R R Y Q E V R P G D I P R G E S L E D T V H R V G D P L L D E S D E R S A V H D R R Y A H L Q K S S I P A G E N L K V T L E R V V P P A I D D D N E Y S Q A H D R R Y A N L D P H I V P K A E N L H V T L D R V M P P E I E L G S Q F S Q D G D P R Y A G E P I P R T E A L K N V L E R A L P
UniRef90_L8FDX3 UniRef90_K0KQS6 UniRef90_A7GPN5 UniRef90_D2Q1C6 UniRef90_D4W3F7 UniRef90_UP1000255C5A2 UniRef90_F0YNT0	PPL DDS DPY S QANDPRY A DVENAPRIECK BV L GRMLPY WPAL TEDDERNPRL APYREAPADEMPLTECLK DV L DRMLPY WPAL DDS SEFS QINDERY A A L GDS APRITECLK DV L DRMLPY PPL EDGNEYS QF DDPRY A DLE PPEL K PRSECLK DV L L R AL PPEL ET DPRY PGNDPRY A DLE PPEL K PRSECLK DV L L R AL PPEL ET DPRY PGNDPRY A NIL PPEL K PRSECLK DV L L R AL PPEL ET DPRY PGNDPRY A NIL PPEL K PRSECLK DV L PRMMPPH L SEDDPRHPRFDQKY K N F PVEL I PSTECLK DV I PRMMPPS L SEDDPRHPRFDQKY K N F PVEL I PSTECLK DV I PRMMPPS L DK DDERRY PAL SEDDPRY V GV EVPLTECLK DV I PRMMPPS L DK DDERRY PAFK M PYLKI K A DKN F PSECLK DT V ER V T PPH L DAGS EFDLS K DRRY A GI AND N T ESL K D T L AR V L PPH L DAGS EFDLS K DRRY A GI AND N T ESL K D T L AR V L PPH L DAGS EFDLS K DRRY A GI AND N T ESL K D T L V R V N PPH L APR G G E F D F A G D PRY K D L N K E D L P L SE SL K D T L V R V N PPH L APR G G E F D F A G D PRY A D L N K E D L P L SE SL K T T L D R V V PPH L APR G G E F D F A G D PRY A N V D K A D L P K T E SL K T T L D R V V PPH L D E S S E Y Y P G N D PRY A N V D K A D L P K T E SL K T T L D R V V PPH L D E S S E Y Y P G N D PRY A N V D K A D L P K T E SL K T T L D R V V PPH L D E S D E R S A V H D R R Y A A N L D P R G E S L E D T E K R V L E R A L D A D D P T H P R H D A R Y A A N L D P H L V P K A E N L H V T L D R V W PPH L D E L D S S E F D Q A G D P R Y A A L P P D E L P S T E S L A A V K R R R L V PPH L T E K D Q E A S A I D E R Y K Y E I D E V P K G E S L H M V V D R L K S L P A L D A D D P R Y P G Y E Y K Y H N L K E N E L P A T E C L E D T E K R V L P P L T E K D Q E A S A I D E R Y K Y E I D E V P K G E S L K T T L D R V L P P L T E K L T L D R V L P P L T E K L T L D R V L P P L T E K L A D V T E K R V L P P L T E K L A D V T E K R V L P P L T E K L A D V T E K R V L P P L T E K L A D V T E K R V L P P L T E K L A D V T E K R V L P P L T E K L A D V T E K R V L P P L T E K L A D V T E K R V L P P L T E K L A D V T E K R V L P P L T E K L A D V T E K R V L P P L T E K L A D V T E K R V L P P L T E K L A D V T E K R V L P P L T E K L A D V T E K R V L P P L T E K L A D V T

QUERY	200 200 200 200 200 200 200 200 200 200
UniRef90_UPI0003B503EB UniRef90_UPI0003B6888B UniRef90_W5SNX7 UniRef90_B5JSU3	CWHEVIAPKSGKRIVIAAHGNSLRALVKFLDGISDQDIVG YFLEEIKPQMGKRVIIAAHGNSLRALVKYLDNLTPEEILE YWTDKIAKAEGKKVIVVAHGNSLRALVKYLDNMSDDDILK FWQDRIVPRSGQTPLVVAHGNSLRALVKYLDDMTPEAILG
UniRef90_E6UBQ8 UniRef90_A5DVC8 UniRef90_W6MM60	Y F E E E I K P Q I G R R V V I A A H G N S L R A L V K Y F D G L S D E E I I N Y W Q D E I A G D A G K V V L V V A H G N S L R A L V K H L D N I S D E E I A G Y W Q D T I A A D A G K T V L I A A H G N S L R G L V K Y L E G I S D A D I A G
UniRef90_Q54NE6 UniRef90_Q12F50 UniRef90_D3BMD5 UniRef90_Q5P7N4	LWNDTLAPTLGQKVLIAAHGNSIRALVKYLDNIADDKIVS FWNESMAPKAGKRVVVAAHGNSIRALVKYLDNISDSDIVG FWTETVAPSLKQGKKVLLHGNSIRALIMYLDKVSESDIVG YWETVIVPNAGRRILIAAHGNSLRALIKYLDNISDSEIVG
UniRef90_K2GLG8 UniRef90_F4GQG9 UniRef90_UPI00035F2EE1	Y F D A EI A P Q A G K Q V L I VA H G N S L R A L V K H L D N V S D E D I L K F W N E S I A P R A G R R V L V A A H G N S L R A L I K H L D G I S D D E I V H W D E D I A P R A G K K I I I S A H G N S L R A L I K M L D G I S D N D I V G
UniRef90_J6GR92 UniRef90_B5F050 UniRef90_UPI00037F5B06	YWEDKI FPMQHDDVLVAAHGNSLRGI I KVLKGLSDEDI VE YWNDTI LPRMGERVI I AAHGNSLRALVKYLDNMSEDEI LE FWFSDI APKQGKSVI I AAHGNSLRSLVQYLDGLSEAEI LK
UniRef90_UPI00036B338E UniRef90_E7NUE3 UniRef90_A0A010ZHV5 UniRef90_G4T4G2	Y W A D A I   A P K E G K K   V L I   V A H G N S M R A I   V K Y L D K M S G D E I   A K Y F E E Y I   K K D M G K R V L I   A A H G N S L R A L I   K Y F E H L S D E E I I I G Y W E K V V A P D S G K K L I I   A A H G N S L R A L V K Y L D D V S E K D I L L E Y W H S V L E P T I G K R V L I   S A H G N S I   R A L I   K Y L D N L S D T E I T E
UniRef90_U2WCQ1 UniRef90_I4F433 UniRef90_Q23F09	Y Y E K E I L P E M R C R V L I A A H G N S L R A L I M Y F E K L T E E E I V S Y W Y D A I V P D A G Q N V L V A A H G N S L R A L V K H L D G M G D D E V V G F W Y D Q I V P S A G K N V L V V A H G N S L R S I V K H V D N V S E Q D I J G
UniRef90_I1W8V3 UniRef90_E4RIV4 UniRef90_R5PI75 UniRef90_D2Z878	Y F E A E I E P E D G K T V L I A A H G N S L R A I V K M L D G L T E E E I A K F WE K T I V P K E G R K I I I S A H G N S L R A L V K H L D N I S D E E I S S Y W K E V I V P T L Q H F D Q V V A H G N S L R G I I K Y L K N I P D N E I V K Y W N E V I A P R S G E K V L I V A H G N S L R A L V K Y L D R I P D D D I P G
UniRef90_E2MV10 UniRef90_F3ZCU8 UniRef90_B1MHP2	E E E L PR L K A G E T V M V A A H G N S L R A L V K H L D N I S D E D I A A Y WY D A I V P D A G H T V L V A A H G N S L R A L V K H L D Q I S D Q D I A A E E A L V P E L R A G K T V L V A A H G N S L R A L V K Y L D G L S D E E I V G
UniRef90_F0JH11 UniRef90_UPI00036A310F UniRef90_Q8A8R2 UniRef90_W7D648	Y W F E T
UniRef90_F7K5C0 UniRef90_C2BG76 UniRef90_F8N8P0	YYNDVI LKSMGKRVL VAAHGNSI RAL VQYFENL KPEEI VD YYFDSI APEEGETVL VAAHGNSL RAL AKHLEKI SDDDI MD FWECEI FPKLKDNI I VAAHGNSL RGI VKHLKGI SDKDI SG
UniRef90_F9ZIJ3 UniRef90_E2SMS6 UniRef90_UPI000373D562	Y WNTTI A P QIL Q A D K S V I I H G N S L R A L V K Y L D N V S D N D I L N Y F N D V I K Q D M G K R V I I A A H G N S L R A L V K Y F D K I S E E D I V N Y F E E V I L P R A K A G E Q I V I H G N S L R A L V K Y L D N I S D E D I A E Y W E E T I S R D A G K T V L V A A H G N S L R A L V K H L E D I S D D D I A G
UniRef90_UPI000380A27B UniRef90_T1BM82 UniRef90_F4PX73 UniRef90_U2UQL7	LWEQVMAPMSGRQVLVVAHGNSLRALIKHLBDIJSDDIJKG EWNETVAPAIKNNKKVIIHGNSIRALVKLLDNVSDDEIVG YYKETIEKDMGRRVLVAAHGNSLRALVKYLDDISPKEIVT
UniRef90_UPI0003705B7F UniRef90_C7NK56 UniRef90_Q6NJL2	WD S E
UniRef90_UPI00036C4C0D UniRef90_F2UIE8 UniRef90_F5S9K5 UniRef90_UPI0002D8435D	Y WN ETIVP MS GKRIVI VA A H GNSL R ALI VK H L DGI S D E DI A A Y WN ETIVP MS GKRIV LIA A H GNSL R ALI K H L DNI P E DVI T K F WE D QI A P A A G K R IV L V A A H G N S L R A L A K H I E GI S D D DI MA Y WE S DI A P D A G K T IV L L A A H G N S L R A L VK H L DGI S D A DI A S
UniRef90_UPI00035FE6CD UniRef90_UPI00039B7BD4 UniRef90_A0A011T8W0	Y WKDTI VPQLKKNII I I CAHGNSLRALIKYLDNMSENSI TE VDVI LPQLLAGRNVMVAAHGNSLRALVKYLDHISDDDIAG WENELVPDKAGKTVLVTAHGNSLRGLVKHLDGISDADIAE
UniRef90_UPI0003B443AA UniRef90_B7GEI2 UniRef90_UPI0003679AD8 UniRef90_E8R0W2	Y WESDIVK PDQGRTIVLITAHGNSLRALVKHLDQISDDEIAG WWEDTL VPEIGTKILIAAHGNTLRALVKHLDNISPEDITG FWEDKIAPRAGKOVLIVAHGNSIRALVKHIKQLSDDEIMG
UniRef90_V4AT30 UniRef90_E0QM57 UniRef90_R1EV79	Y WY DINI VP AIKS GKRV VI H GNSL RAL VKYL DNMT DDAI LA FWESDI SKSLGKNVI I AAHGNSL RAL I KYL LEI DNEKI LD Y WESDI TPKRGKTVL VAAHGNSI RGI LKYL DGI SDDEI TS
UniRef90_R9GMN7 UniRef90_V5SK32 UniRef90_E3H517 UniRef90_R5FX26	Y WQ S EI V P A L V E N K H V I I H G N S L R A L I K Y I D N L T N E E V I A Y W N N V I V P Q E G K R I I I A A H G N S L R G I V K H L D N M S D E A I M S E S D I K P D L A D G K T V L V A A H G N S L R S L V K H L E N I S D D E I V G
UniRef90_E1VSZ7 UniRef90_R4M0Y7 UniRef90_R6YSM7	WENNIKADSAGKTVMVTAHGNSLRALVKHLDGISDEDIAG YWYDQIVPDAGKTVLVAAHGNSLRAIVKHLDGISDEAIAG YWDTDIKPELGKRVIISAHGNSLRGLIKYLDGMSDEDVIK
UniRef90_J3VU46 UniRef90_UPl0004646169 UniRef90_W6K3Z8 UniRef90_E4LAE2	Y WN KV I F P R I G N R I I I A A H G N T I R A I R Q F I D N L S E G E L L E A F H E R V A P V E G K D V L I T A H G N T I R G M V K E F D N I S D E D I P K Y WE D E I T D L G G T V L V V A H G N S L R A L V K H L D G I S D E E I A G
UniRef90_W9BRX0 UniRef90_S9T6A6 UniRef90_I7JXK2	Y WE SRI A PEAGKRVII SAHGNSLRAL WKHLSGI A DDAI TG Y WHETI A PQAGERVII A A HGNTLRAL VKYLDNI PADGI A D Y WN DQI SQQDDKTVLVSAHGNSLRALIKYLEDI SDEAI VN
UniRef90_W4G541 UniRef90_L1QCY8 UniRef90_D3QHL3	WWE QEI APGAGKNILIAAHGNSLRALIMHLDNISKDDITE YWDAEIAPRAGEDVLIAAHGNSLRAIVKLLFAVPDDRIVD IWTDHISQHDGQTVLVSAHGNSIRALIKYLEDVSDEDIIG
UniRef90_B8C354 UniRef90_X5A4J2 UniRef90_K8Z9K6 UniRef90_Q74LL9	WD S E
UniRef90_C5BYN5 UniRef90_L8FDX3 UniRef90_K0KQS6	Y WN S E I T P D E G K T V L V A A H G N S L R A I V K H L D G V D D A T I A G Y W Q D A I A A D A G H V T L V V A H G N S L R A L C T H L D G L T P D R V R T L Y G D L L K K L I E R D V V V V A H G S A C R S I L K L I K K I S D E D I K D
UniRef90_A7GPN5 UniRef90_D2Q1C6 UniRef90_D4W3F7 UniRef90_UPl000255C5A2	Y WY DAIL VP DDGKT V L VT A H GN I I K SIL VK Y L DHL IS DDGIV V S Y WY DAIL VP DDGKT V L VT A H GN S L R A L V K H L DQL DE K T V V V E WH E K I VP D A E K K V I I A A H GN T L R A L V K Y L DE L S N D G V A N F WT D H I A P R D G N N V L V V S H R N T L R A L V K H I F N I S D F F I V I V I
UniRef90_F0YNT0	Y WQ QV I VP E A GK SV I I A A H G N S L R A L V Q Y L D G I S N D D I T E

QUERY	LN		P P G			F E	L	DEN	ILK	22 S	KPSYYLDPEA
UniRef90_UPI0003B503EB UniRef90_UPI0003B6888B	L N		P T G	L P T P	L V L V	ΥE	F	D E N D D N	ILK F IFKN	<u>                                     </u>	KHYYLGDPE KHYYLGDQEA
UniRef90_W5SNX7	L N		PTG	I P	L V I V	Y E Y E	L	O K D O E D	LKI	۱ د	K H Y Y L G D E D
UniRef90_B5JSU3 UniRef90_E6UBQ8	V N		PTG PTA	TP	L V	ΥE	F	D D E	: F N \	/ I	GKEYLCDPD
UniRef90_A5DVC8 UniRef90_W6MM60	L N		PTG PTG	I P	L V L V	Y E Y E		D E K	LKF	T	KPAYYLDP KPSYYLDPE
UniRef90_Q54NE6	MD	I	PTG	I P	L V	ΥE		$D \in N$	I L K F	)   I	K H Y Y L A D E
UniRef90_Q12F50 UniRef90_D3BMD5	L N		P N G P T G		L V L V	Y E Y E	L	DAQ DEN	I L K	)   I	R H Y Y L G D S E K H Y Y L A D P
UniRef90_Q5P7N4 UniRef90_K2GLG8	L N		PTA PTG		L V L V	Y E Y E		D A N D D N		P	RSYYLADADT KSGYLGD
UniRef90_F4GQG9	L N	l II	PTG	Q P	I V	ΥF	П Г	ח ח כ	I R	) I I	R H Y Y L G D P
UniRef90_UPI00035F2EE1 UniRef90_J6GR92	L N	L	P N G P T A	VP	L V Y V	FΕ	F	DE	L R L		R H Y Y L G D K D Y F L G D P E
UniRef90_B5F050 UniRef90 UPI00037F5B06	L N		P T G		L V L V	ΥE	E	D E N D A D	IFK LK		KHYYLGNAD KSYYLGDQEA
UniRef90_UPI00036B338E UniRef90_E7NUE3	TNV		PTG PTG	I P	L V L V	ΥE	닏	DDS	LK LK FK	<u> </u>	KHYYLADEEA DKRYLGDQE
UniRef90_A0A010ZHV5	L N		PTG	VP	ĹŸ	Y E Y E	Ė	ט ב ט	)   L   R <u>F</u>	<u>'</u> _L	K H Y Y L G D
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UniRef90_I4F433 UniRef90_Q23F09	LN		PTG PTS		L R L I	Y D lY F	닕	D A D D A N	L R     F K	T	Q P G Q Y L D P D R N Y Y L A D P E
UniRef90_I1W8V3	V N	l II	PTA		L V L V	ΥĒ		DEN	IFK IFK	)   	KKGEVLDPE
UniRef90_E4RIV4 UniRef90_R5PI75	L N	L	PTA	VP	Ϋ́	FE	Ė	בַּ בַּ	ĽKĽ	Īġ	DSYYLGDQE KDYFLGDPE NHYYLGD
UniRef90_D2Z878 UniRef90_E2MV10	V N L N	<b>  I</b>	PTG PTG	I P	L <u>V</u>	Y D	E_L	) A E	G K 🛚	<u>/</u> _L	NPGTYLDPE
UniRef90_F3ZCU8 UniRef90_B1MHP2	L N			I P	LA	Y D Y D	L	D A D D E N	FQF	<b>V</b>	K K G T Y L D P E A T P G V Y L D P E
UniRef90_F0JH11	L N	<b>  I</b>	PTG	L P	L <u>V</u>	ΥE	LI	NDD	) L T F	) L	R H Y Y   L   G D P
UniRef90_UPI00036A310F UniRef90_Q8A8R2	L N	L	P T G	VP	ΥV	Y D F E	F	D D R	LVL	V	D P G T Y L D P E K D Y Y L G N P E
UniRef90_W7D648 UniRef90_F7K5C0	V E V N		PTG PTG	I P	L V L V	Y E Y E		D D E D E A	LK F	• T	N K Y Y L G E K K E Y L G D P E A
UniRef90_C2BG76 UniRef90_F8N8P0	L E		PTG	Q P	L V Y V	ΥĘ		DDE	LNI	/ I	K K Y Y L K D Y Y L G D
UniRef90_F9ZIJ3	C <sub>N</sub>		PTG	I P	ĽÝ	Ϋ́Ē		D D N	İLK	֓֞֞֞֞֞֜֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֓֓֡֓֓	RNYYLGNP
UniRef90_E2SMS6 UniRef90_UPI000373D562	L N	l II	P T G P T G	I P	L V	Y E		νиυ	651	/ V	NPGIYLDPE
UniRef90_UPI000380A27B UniRef90_T1BM82	L N		PTG PTG		L R L I	Y E Y E		DEN	ILR GAN	<u>P</u> ∐ / I	GAGEYLDP DHYYLGDPD
UniRef90_F4PX73 UniRef90_U2UQL7	V E V N	1	P T G P T G	I P	L V	ΥE	L	$D \in N$	I L K <u>F</u>	) I	SHRYLADE RHYYLGDQAA
UniRef90_UPI0003705B7F	L N		PTG	I P	L V	ΥE		D D S	FSF	)	T P G R Y L D P Q A
UniRef90_C7NK56 UniRef90_Q6NJL2	L N			I P	L <u>V</u>	Y E	L	D E A	F R     <u>G</u> T	/_L	T P G R Y L D P E A N P G T Y L D P E
UniRef90_UPI00036C4C0D UniRef90 F2UIE8	L N		P T G		L Y L V	ΥĿ	LLL	D E N	ILR MK		A G G E Y L D P E A K R S Y L L N P D
UniRef90_F5S9K5 UniRef90_UPI0002D8435D	L E	1	PTG PTG	Q P	L V L I	Y K Y E	L	D D N	ΙLKΝ	/ [	EKFYL KAGT <u>YL</u> D
UniRef90_UPI00035FE6CD	L N	i li l	D T C	I D	I \/	VF	II IN	ע ח וי	II T	· ĸ	THVVIICDSET
UniRef90_UPI00039B7BD4 UniRef90_A0A011T8W0	L N	<b>   </b>     <b>   </b>	PTG	I P	L V L <u>V</u>	Y E Y R	L	3 E R 3 E D	LMF		P G T Y L D P E E P G A Y L D P E A P H H Y L G D Q E N E Y Y L G G S R Y L D P E A
UniRef90_UPI0003B443AA UniRef90_B7GEI2	L N		PTG PTG	I P	L Y L V	Y E  Y E		DEN	I F A F		R G G R Y L D P E A P H H Y L G D Q E
UniRef90_UPI0003679AD8 UniRef90_E8R0W2	V E L N		PNF	PP	L V	FE	F	DEN		/ Q	N E Y Y L G
UniRef90_V4AT30	L N		r i G	į	ĽΫ	Ϋ́Κ	֓֞֞֜֞֓֓֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	) K D	Ŀĸ	֓֞֝֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	GSRYLGD EHFYVADEE K SGRFLADPEA RHYYL VSMQFLGDE KPGEYLDDE
UniRef90_E0QM57 UniRef90_R1EV79	L N	V	P T G	V P	L I	ΥĒ	L	DAD	LKI	) L	S G R F L A D P E A
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UniRef90_E3H517 UniRef90_R5FX26	L N	H I	PTG	I P	L Y	ΥĘ	Į.	DEN	I F K	<u></u>    [	K P G E Y L D P E D K R Y V G D E
UniRef90_E1VSZ7	L N		PTG	ľ	ĻŽ	Ϋ́Ē		D D N	FQ	֡֝֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	RGGTYLDPE
UniRef90_R4M0Y7 UniRef90_R6YSM7	L N	L	P T G Q T G		i C	ΥE		) D N	I L K		RHYYL
UniRef90_J3VU46 UniRef90_UPI0004646169	L N F E	V	PTG ATG	I P	L I R V	Y E Y E	F S	S E N D E E	IMKF LH	 	RHYYL EHYYL KKVYNLD GPSRYLDPE
UniRef90_W6K3Z8 UniRef90_E4LAE2											
UniRef90_W9BRX0	L E										
UniRef90_S9T6A6 UniRef90_I7JXK2	YE		K T G	A P	L V L I	ΥE			LK	/ T	HRYYLGPD
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UniRef90_C5BYN5 UniRef90_L8FDX3	L N		PTG	I V P	L V	ΥE		D N N D C	I F E F	ן ∨ ו פ	T G G R Y L D P
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UniRef90_A7GPN5 UniRef90_D2Q1C6	L N		P T G	V P	L Y	ΥE		D D D	EN F	V V	T P G E Y L D P
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UniRef90 K6W9H9	1
UniRef90_P96121	KLVLIRHGESEWNRLNLFTGWTDVPLTPRGESEAQEGGR
UniRef90_S2YFL9	TLILLRHGESAWNSKNLFTGWIDVDLTPRGEEQARDSGT
UniRef90_C5RAS5	KLVLIRHGQSEWNALNLFNGWVDTKLSDKGIAQAKTAGQ KVVMVRHGESEWNQKNLF <mark>C</mark> GWFD <u>A</u> RLSEKGLQEA <mark>C</mark> SAGV
UniRef90_B4GFT2 UniRef90_U2U7Q7	K V V M V R H G E S E W N Q K N L F C G W F D A R L S E K G L Q E A C S A G V Q L V V V R H G E S E W N K L N L F T G W T D V D L T D T G R A E A A A G G K
UniRef90 A5DWD5	KLIILRHGESQWNHENKF <mark>C</mark> GWLDIPLTDKG <u>K</u> DEAKYAGE
UniRef90_T1A9F6	QIL I L VIR H G E SIL IWN A A H R F T G W Q DIVIDIL IS E R GIV IT E A H R S A S
UniRef90_E6XEE8	KIL I L VIR H G K SILIWNIVIK NIVIF T G WT DII IDILIA T E GII IN E A E T A G Q
UniRef90_UPI0003330F24 UniRef90_UPI0003A365C8	KLVLIRHGESÄWNLENRFSGWYDADLSPAGHEEAKRGGQ KLILLRHGESQWNLENRFTGWKDVSLTELGLQEAISSAN
UniRef90_UF10003A303C8	QIV V I VIR H G Q S IV IY N R Q N II IF T G W T D IV ID II IT F Q G T H F A II IF A G R
UniRef90_X6P0R7	TIL VIEIVIR H G O SIVIWN A T N O F T G WIVID C DII IS DII IGIVIK F A O F G A D
UniRef90_J9JT11	K   V M    R
UniRef90_M5JAI3 UniRef90 H3BB55	K
UniRef90_H3BB33	KV V L I R H G Q S I W N E L N K F T G W Y D A T L S E N G K N E A K S A A I
UniRef90_E6X3H6	KILI LIKHGQSVIYNLIQNII FIGWIDVALISEKGII A EAQKAGQ
UniRef90_UPI0003599943	L V L V R H G E S T Y N R A N L F T G W H D A D L S D T G V K E A L Y S G Q
UniRef90_B4NI30 UniRef90 UPI000381E70C	REVVIRIGESEFNEEN AF GOVERNOUS LSFNGSEA GOVERNA BOUND A COMPANDA BOUND A CO
UniRef90_D4YF28	KEVFERHGQSEENEDANVFTGWLDPALSPEGVEEAKAAGE
UniRef90_C2ET64	KL VĪ VRHĢQŞQĀNRDNLFTGWTDVPLTEKGLEQGQMVGD
UniRef90_UPI00038BB9D0	KL V L I RHGESA WNLENRFSGWYDADL SPAGHEEAKRGGQ
UniRef90_I7K064 UniRef90_G9WHZ0	K L V L V  R   H   G   E   S   L   A   N   A   E   N   V   Y   T   G   W  N   D   V   P   L   T   D   K   G   I   R   Q   A   R   K   A   G   E   K   L   V   L   I   R   H   G   Q   S   T   A   N   R   D   N   V   F   T   G   W   S   D   A   P   L   T   D   K   G   I   A   Q   A   H   T   A   G   R   T   T   T   T   T   T   T   T   T
UniRef90_U2V841	TILVVMRHGESTWTAONREAGWADII PILTERGRDOARHAGE
UniRef90_UPI0003F4ACDC	KLILVRHGKSLWNIANVFTGWTNVDLAPEGLVEANIAGE
UniRef90_D8UBI2 UniRef90_A6Q3H2	T   L
UniRef90_A6Q3H2 UniRef90_S4R5G0	T L V L V R H G E G S W T R E N R F C S W V D Q P L S A D G E A E A R R C S R
UniRef90_T1P9G3	KIV VI LIRHGES <u>E</u> FNKILINI <u>LIF</u> CGWHDAPILII DKGILIEDASKI <u>L</u> IAA
UniRef90_UPI000249304C	KLVLLRHGQSLANKVNEYTGWSDSPLTEYGLKQAHEAGK
UniRef90_UPI0003C105E2 UniRef90_N1ZFV0	K L V L I R H G E S T W N Q E N R F C G W F D A D L S E T G A Q E A K R G A Q T R F Y L I R H G E T E W N A R G T Y Q G L T D T P L S E E G E K Q A L C L G K
UniRef90_W7M1F8	KLILLRHGQSTWNEKNLFTGWKDVGITQSGRVEALQAGA
UniRef90_UPI0002195AC1	KLVLV RHGESTANRDNEFTGWTD V P L TAKGKTQAHQVGQ
UniRef90_C5F969	KLVLLRHGESII ANQKNTYTGWSDVGLTAEGKAQAETAGE
UniRef90_F9ZK10 UniRef90_G0UH78	TKLVLLRHGQSI WNRDKKFTGWSDVALSPKGEQEAEQAAY KLILMRHGESTANMQNTFTGWTDAALTDTGRAQAKAAGQ
UniRef90_D8LCP0	T Q V V L L R H G M S T F N K L N L F T G W C D V P L T E E G R Q E A L E A G K
UniRef90_C0QQ87	P K L V L <u>V</u>  R H G Q S <u>V</u>  W N <u>L</u> Q N R F T G W V  D  V  P  L  T E K G K E E A <u>Y</u> K A G E
UniRef90_M7A7I1	TLILMRHGESEWNASNQFTGWVDVALTDKGKAEAVRAGQ TELYLLRHGQTDWNKQSIFQGQTDIELNETGIAEAKKAA HGESIANRDNVYTGWNDVALSAKGIQQAKSAGK KLVLIRHGESILNKTNSFGGWLDVDLSTKGVQEAQHAAL LILVRHGQSEWNEQNLFTGWKDPGLTELGLKEAKNAGS
UniRef90_E3DP32 UniRef90_I7L980	H G E S I A N R D N V Y T G W N D V A L S A K G I Q Q A K S A G K
UniRef90_A0DSL2	H G E S I A N R D N V Y T G WN D V A L S A K G I Q Q A K S A G K K L V L I R H G E S I L N K T N S F G G W L D V D L S T K G V Q E A Q H A A L
UniRef90_UPI000287D4EA	LILVRHGQSEWNEQNLFTGWKDPGLTELGIKEAKNAGS TEILLIRHGETDWNAEKRLQGHLDIPLNAEGRRQAAALGR KLVLVRHGESQWNLENRFTGWVDVPLSPKGEQEANAAGE
UniRef90_UPI000315B877 UniRef90_UPI0003B32448	_
UniRef90 R6BDA4	KLVLVRHGESQWNLENRFTGWVDVPLSPKGEQEANAAGE TLLYLIRHGETAGNSEGRFQGLVDNPLNESGMQQSQMLG
UniRef90_G8PLA1	ILVIVIRHGOSEWNII IKNII IETGWKNPDII ITEOGIVIEEATAAGK
UniRef90_UPI00035E4C28	KLILLRHGQSQWNLENRFTGWKDVPLTNKGVNEATIAGK KLVLMRHGESVANYNHTFTGWSDVSLTDEGRREAHEAGR TKIVLIRHGETAWNAVRRLQGHIDIPLNLEGERQARALAE
UniRef90_G2KV03 UniRef90_UPI00037EE1EC	TKI VIIRHGESMANINHIFIGWSDIVISLIIDEGKKEAHEAGR
UniRef90_U5QHL5	
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UniRef90_UPI0003A8E42A UniRef90_A1HPV8	I I L V L V IR H G Q S E WNIL IK NIL IF T G WR D P S L T E Q G H A E A K A A G Q
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UniRef90_M4YYR0	TRLYIARHGKTMENTLIGRAQGWSDTPLTKKGEEGWRELGL
UniRef90_Q12008	TIL FIL L R H G Q S E LIN H E N L F C G W L D A K L T E K G K E Q A R H S A E
UniRef90_S1TC63 UniRef90_UPI000474E1E9	KIILLRHGESQWNQQNRFTGWEDVPLTMKGVVEARRAAN TRVIIVRHGESTYNQQKRIQGHCDSELTPAGEAQALQVGQ PRLILVRHGETEWNRQQRFQGQIDVPLNDNGREQSKCAAD IVVRHGESTFNVKRIVQGHHDESLLTETGEAQAREV TKVILVRHGQTQWNLEMKYQGHCDVALTEEGIRQANLAAN RLVMVRHGESTWNQENRFCGWFDAELSEKGAEAKRGAH
UniRef90_K9TFJ2	PRLI L VRHGETEWNRQQRFQGQIDVPLNDNGREQSKCAAD
UniRef90_K9FL61	I V VR H G E S T F NVK R L VQ G H H D E S L L T E T G E A Q A R E V
UniRef90_I9C2P7 UniRef90_UPI0003ACCF46	IKVILVRHGQIQWNLEMKYQGHCDVALTEEGLRQANLAAN
UniRef90_A3DDB3	RLVMVRHGESTWNQENRF <mark>C</mark> GWFDAELSEKGAEEAKRGAH TVLYLVRHGQTDWNKENR <mark>C</mark> QGRIDTELNSEGLLQAEALAQ
UniRef90_B4WQ92	TVLYLVRHGQTDWNKENRCQGRIDTELNSEGILQAEAIAQPRFLLVRHGETNWNRDGRFQGKIDIPLNENGHRQAAQAGEELYLVRHGETDSNKRGTYLGWTDVELNSNGLCQAKAIRD
UniRef90_W4V4F0	ELYLVRHGETDSNKRGTYLGWTDVELNSNGL <mark>C</mark> QAKALRD
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UniRef90_F2NR85	EVWLIRHGETAWNAAGRVQGHADVPLSPAGIGQAFRLAE
UniRef90_UPI00036F46BE	RIL VL VIR H G Q S E WNIL IK NIL IF I G WK D P DIL II E K G V E E A K E A G R
UniRef90_UPI00037AD08F	TKLYLVRHGKTMFNTIGRAQGWSDTPLTSEGETGLKELGL
UniRef90_P36623 UniRef90_E1T8W2	L V L T R H G E S E WN K L N L F T G W K D P A L S E T G I K E A K L G G E T Q I L F I R H G E T E WN R I K R L Q G H L D L P L A A V G L E Q A Q H L A R
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UniRef90_UPI0004742E46	
UniRef90_G6FN65	RIL L I R H G E T E WN R Q G K F Q G Q II D V P L N E N G R L Q A Q K A A A
UniRef90_J8PWP3 UniRef90_UPI00046F38C0	KI VI VRHGOSI WNKKNVETGWVDVPI STVGI EFAI KAGE
UniRef90_Q2SZ59	RLLLIRHGETEWNRQGKFQGQIDVPLNENGRLQAQKAAAAKLFILRHGGSELNSENFGGWIDAKLTEKGKLQAQKAAAAKLFILRHGQSELNSENFGGWIDAKLTEKGKLQARHSAKKLVLVRHGQSLWNKKNVFTGWVDVPLSTVGIEEALKAGETQVLFIRHGETAWNRLKRIQGHIDIPLADTGLAQARQLAATHIVLIRHGGSEWNLTNRFTGWKNPALTEKGHTEALTAGKTLVLIRHGQSEWNLTNRFTGWKNPALTEKGHTEALTAGK
UniRef90_B2UFK9	THI VLIRHGETDWNRERRLQGQLDVPLNTQGLEQAAQLGK
UniRef90_E6YGF0	ILVLIRHGQSEWNLTNRFTGWKNPALTEKGHTEALTAGK
UniRef90_B0JPB0 UniRef90_B1M6A7	L V L V R H G Q S S Y N A E Q K I   Q G R S D S V L   I E K G H L D A E K V G N L V L V R H G Q S E W N L R N L F T G W R D P D L T E R G V A E A R A A G R
UniRef90_UPI00046F18EF	Y L L R H G Q T A WN A D G R Y <mark>C</mark> G R T D L    P L  T E K G L  A Q A D A   V
UniRef90_C0QQJ5	RILLICRHGESEYNAKRILIQGHILIDTDILITPAGIVVIQARILIAGE
UniRef90_K9V644	TRVII VRHGESTYNTQRRIQGRSNASTLTEKGRNDANKV TRLYIARHGKIMFNILGRAQGWSDTPLTQAGEEGLRELGL
UniRef90_C6STE0 UniRef90_UPI000402BBBD	TELILIRHGET DWN RELRF Q G Q V D V P L N A T G H A Q A Q R L A Q
J 10100_01 1000 TOZDDDD	· · <u>- · · · · · · · · · · · · · · ·</u>

50 60 UniRef90_K6W9H9   L   K   A   A   D   V   D   D   V   V   T   S   L   R   R   A   I   N   T   UniRef90_P96121   V   L   R   S   A   G   L   P   R   S   V   T   R   A   V   R   T   UniRef90_S2YFL9   L   R   S   A   G   L   P   R   S   V   T   R   A   V   R   T   T   A   V   R   T   T   T   T   T   T   T   T   T	70 80 T A N A A L N A A D R H WI Q V K R T L N F V L Q A L D R E WL P V H K T A R L A M T A A G L A R T P V A R
UniRef90_P96121       V L Q E A G F D F D L C Y T S F L K R A I N T         UniRef90_S2YFL9       L L R S A G L L P R S V H T S V L T R A V R T         UniRef90_C5RAS5       L L A K E G I Q F D Q A Y T S V L T R A I T T         UniRef90_B4GFT2       A L K K A K M E F D V A Y T S L L T R A Q E T         UniRef90_U2U7Q7       A L K E A G Y D F D V C H T S L L K R A I H T         UniRef90_A5DWD5       L L K Q N N L S P D I L Y T S K L T R S I E T	T L H L A L E E A D Q L WI P E V K T L A A A L S A S G H K T I P I C K T L N I I L D E M D R A W L P V H K T G F I I L K V L G K P W V D H I K
UniRef90_E6XEE8  LIKSNLIDIDICFSSYLKRALRI	TAWILLETAEMMHVDCRY
UniRef90_E0RKY6  UniRef90_X6P0R7  ALKKAHFQFDIMYTSYLKRALK1  UniRef90_X6P0R7  ALKKAHFQFDIMYTSYLKRALK1	T L Y H I L D E L D H L WI P V Q K T G N I I L E T L D Q L WI P V Q K T C N I L N L V D P K N S C T V H K T L D I T L E F A G Q M F L P F F K
UniRef90_H3BB55       A       L       K       D       A       Y       E       F       D       C       Y       T       S       V       L       K       R       A       I       R       A       I	T L WF V L D G I D Q M W V P V V R T L R Y I L D E L N Q N W I L V K K T A Q L A L R E L D W E Q I D C K T A B L O E L D A L W V P V V R
UniRef90_B4NI30	TADII LAKMNSSYVPIKA TAELALDVADLSWIDVRR TTYTLDNLDQLYLPVYK
UniRef90_UPI00038BB9D0	T L WTV L D A L D Q M W L P V V R T A N I I A E T C G F L A L P I T K T S Y I V M D E I H Q P W L P I I K
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UniRef90_T1P9G3	T
UNIREI9U_W/MIF8  L L K K H H H L   P D L C H I S L L K K A I L L S	SGNI ALDIADRH WI PIVI R
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UniRef90_E3DP32	TASFVAAQKNL DVQE TANI I ADI CDFLYLPITK SANVMLETMNSLWVTQQS
UniRef90_UPI000315B877	TAE AIAAPRGMTVQI TLEIILDVTGQKNILVEK TAQMIAQMHGLQKLEPVV
UniRef90_UPI00035E4C28	TAKI MVSEMNENHLWNEK SENI VLSEIN QLWIP QHK TAQAV AVHYDHATVHT
UniRef90_K8GS33	TAELI LS <mark>C</mark> LKQTPKPFQT T <mark>CQHI LDQLGQSDLQTI</mark> R TAEFI AAKHGL PVVS
UniRef90_UPI0003B32448 UniRef90_G8BDA4 UniRef90_G8PLA1 UniRef90_UPI00035E4C28 UniRef90_UPI00035E4C28 UniRef90_UPI00037EE1EC UniRef90_UPI00037EE1EC UniRef90_UPI0003A8E42A UniRef90_UPI0003A8E42A UniRef90_UPI000465E1F1 UniRef90_UPI000465E1F1 UniRef90_UPI000465E1F1 UniRef90_UPI000474E1E9 UniRef90_UPI000474E1E9 UniRef90_UPF000474E1E9	T MELL LRESENEFLPYTR TIETMCEEFDNMKIPILQ SLWLIMETLDQLWLPVDK TAEIIAAELQKATPGPSF
UniRef90_K9TFJ2	TAEII LQHH PGVELKV TAALITDTLNQGHTPQVT TAE <mark>C</mark> IAKKHQLQVK T TLWTILDGTDQMWLPVVR
UniRef90_A3DDB3       R L A G E N D V T Y S S A L K R A Y T T T UniRef90_B4WQ92         F L K T V S I D A A V S S S M L R P K E T UniRef90_W4V4F0       K L K T V K V D A T Y S S P F N R T V K T V K V V K V D A T Y S S P F N R T V K T V K V V K V D A T Y S S P F N R T V K T V K V V K V V D A T Y S S P F N R T V K T V K V V K V V D A T Y S S P F N R T V K T V K V V K V V D A T Y S S P F N R T V K T V K V V V V V V V V V V V V V V	T A E
UniRef90_U9VUH6	T A E
UniRef90_UPI0003786A8B	T C Q   I L E E V G E P N L E T I K T A Q P V A D A L G L P V Q L R T L A I V L K E L G Q E S L P H T A T A Q A V A R Q Q A G P M E V I C
UniRef90_G6FN65	TAEIILQNHNSIK TMDVILEELRLGHENHVQ TAMIAMAQNKSEKTPVVI TAQPTADALGLPL
UniRef90_Q2SZ59         G E A R A G A R I D A I Y T S D L A R A R Q T UniRef90_B2UFK9           UniRef90_E6YGF0         A L A R E R F D A V Y A S D L S R A R Q T UniRef90_B0JPB0           UniRef90_B0JPB0         A L S Q I D I A A F Y C S P L Q R A K S T UniRef90_B1M6A7           GL K R D G Y G F D V A F T S A L I R A Q R T	T A R
UniRef90_B0JPB0	T A Y I A S G K T E V V T T A Q I I A D V L D M D I T K T A E I I H R E I I A N S G D F S T T M E I I L R E T N N E N L P Y V R T A Q P A L A A L A A L L P Q L S T

		90	100 110 120
UniRef90_K6W9H9 UniRef90 P96121	N WR L N E S WK L N E	R H Y G D L  Q G L	D K K Q T K D Q Y G D E Q F M L WR R S Y D T P P N K T E <u>T A Q</u> K Y G E Q Q V R V WR R S F D V A P
UniRef90_S2YFL9 UniRef90_C5RAS5	H WR L N E	RHYGALQGR RHYGALQGL	E K G E
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UniRef90_U2U7Q7 UniRef90_A5DWD5	T Y K L N E S W R L N E	: R	NKAETLEQYGEEKFMQWRRSYDLQP DKHQVFQELGSDKEKFQFLRRDYHG
UniRef90_T1A9F6	A WQL NE S WKL NE	RHYGDLEGR	DKREVSREYGEHQVALWRRSYRVAP
UniRef90_E6XEE8 UniRef90_UPI0003330F2	4 TWRLNE	RHYGGLTGL	NKAETAAKHGEAQVKI WRRSYDVPP
UniRef90_UPI0003A3650 UniRef90_E0RKY6	8 DWRLNE SWKLNE	R H Y G A L E G L   R H Y G A L Q G L   R	N K S E T A T K Y G E D Q V
UniRef90_X6P0R7 UniRef90_J9JT11	S WR L N E N WR L N E	R M Y G G L T G L	DKREVSREYGEHQVALWRRSYRVAPNKDEVLEEVGEEFFLSVRRGYETPPNKAETAAKHGEAQVKIWRRSYDVPPNKSETATKYGEDQVLIWRRSYDIPPSKLDSAVQYGEEQVHIWRRSYDIPPSKLDSAVQYGEEQVHIWRRSFDVRPNKVETVQRHGTEKVLEWRRSFDVPPNKSETAKKYGEDKVKLWRRSFDIPP
UniRef90_M5JAI3	SWRLNE		N K A D A A E K F G A D Q V L Q W R R S Y D V A E
UniRef90_H3BB55 UniRef90_G2LPG4	SWCINE	RHYGAILIEGILII	NKDEWIKKYGEKOWIIIWRRSENIIIP
UniRef90_E6X3H6  UniRef90_UPI000359994	SWKLNE SWRLNE	R H Y G A W Q Q R   R H Y G I L Q G L	NKDEVKEEVGEERFI AURRGYDTPPNKASTVTSYGEEQVHKWRRSFRTAPNKRFLADRYGEEQVQYWRRGYDGLP
UniRef90_B4NI30 UniRef90_UPI000381E70	DWRL <mark>C</mark> E CSWRLNE	RHYGNLTGY RHYGALQGK	N K R F LA D R Y G E E Q V Q Y W R R G Y D G L P
UniRef90_D4YF28	HWRLNE	RHYGALQGL	N K A Q T R E E Y G D D Q F M T W R R S Y D T P P N K A E T A A I H G E D Q V H I W R R S Y D V R P N K A K V K E E V G A E Q L H R W R R G Y S E V P
UniRef90_C2ET64 UniRef90_UPI00038BB9D	T WRLNE	R H Y G A L S G L K H N G G L T G L	NKARTAAKHGEAQVKI WRRSYDVPP NKDASRSIYGKEQVLLWRRSFD
UniRef90_I7K064 UniRef90_G9WHZ0	SWRIINE	ERHYGAII IKGII II	N K A K T A K K Y G D Q Q V  R F W R R S Y T
UniRef90_U2V841 UniRef90_UPI0003F4ACI	S WR L N E	RHYGSFQGE RNYGAWOGO	A R P A M R E R Y G E E L F T T Y R R S Y D V R P N K E E L K A A V G E E L F L K V R R G F S T P P
UniRef90_D8UBI2 UniRef90 A6Q3H2	SWRIINE	RHYGAILIOGILII	NKAETAAKHGAEQIVIHII IWRRSYATRP
UniRef90_S4R5G0	SWRLNE	RHYGALVGL	N K E E V K A K Y G E E L F M A V R R G Y D T P P N R A Q L A L N H G E E Q V K A W R R A Y D V R P N K R Q V A N K Y G E E K V Q L W R R S F D V L P
UniRef90_T1P9G3   UniRef90_UPI000249304	DWR L NE CTWR L NE		N K R QV A N K Y G E E K V Q I WR R S F D V L P N K D D T R K L F G V E Q V A L WR R S Y N K A E T A A K H G E A Q V K V WR R S F D V P P
UniRef90_UPI0003C105E UniRef90_N1ZFV0	2 SWRLNE EQHFKE	IIIN F G F W F G H I	NIVIK QII IT F K Y G K S Y T D F Y F R P F S H
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UniRef90_C5F969	S WR L N E	R H Y G A IL IR GII II	N K D L  T R K  L  F G P D Q V  A S W R R S F S
UniRef90_F9ZK10 UniRef90_G0UH78	TWRILINE	RHYGALEGM RHYGALAGL	GRWPANKQFGNWPILG <mark>C</mark> QNKFDAAP DKDEARRQFGKQQVERWRRGFKDLP
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UniRef90_M7A7I1 UniRef90_E3DP32	D W R   L   N E	R H Y G A   L   Q G   L   I	NKADTŪEKYGQEQFMLWRRSYDTPP KFDQIKEQYKEELKAWQDDPLQNP
UniRef90_I7L980	T WRLNE S WRLNE	RHYGALRGI	NKDVSRKVFGKEQVLKWRRGFD
UniRef90_A0DSL2 UniRef90_UPI000287D4E	A NQALNE	RNYGSLAGL	NKDVSRKVFGKEQVLKWRRGFD NKKEASIKYGEEQIKQWRRSFS NKDDARRKWGEEQVHIWRRSFDIPP
UniRef90_UPI000315B87 UniRef90_UPI0003B3244	7 DPG L RE 8 SQA L NE	RUYGGFEGL	T Y E E I G E R Y P E A Y L A WK A R D P D A R F N K A E T A K K F G D E Q V K L WR R S Y D L A P
UniRef90_R6BDA4 UniRef90_G8PLA1	F P GIL IS F	IIIDGGII LIFGRI	R F D F II I A IV IF Y P Q IV IM Q A M
UniRef90_UPI00035E4C2 UniRef90_G2KV03	28 DKALNE TWRINE	RDYGDLVGL	N K D E A R Q K F G E E Q V H I WR R S F D V P P N K E E T S H K Y G K E Q V H L WR R G Y D V T P N K Q K V R A E V G D E Q F M M W R R S F E A V P
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UniRef90_K8GS33	IDAIKE	II NII MII WEGMII	I   F K D V A Q K Y P D F F F Q WS N R P H F   I   R M
UniRef90_UPI0003A8E42 UniRef90_A1HPV8	A NVALNE VPALRE	R D Y G D L S G L I	NKDDARAKWGEEQVHVWRRSYDVPP TYDGUNSQWPDLMKKL
UniRef90_UPI000465E1F UniRef90_M4YYR0	1 DOAILINE	RDYGDII IAGII II	N K D D A R E K W G E E Q V H I W R R S Y D V P P Y D S E L F L G V L P R T K A F E N R D R K P N V L K E Y G K D K Y M F L R R D Y E G K P
UniRef90_Q12008 UniRef90_S1TC63	SWRIINE	RHYGAILIOGMI	NKDDAAROII IGOKII VIYHWRRSY RGIVI
UniRef90_UPI000474E1E UniRef90_K9TFJ2	9 SDNLKE	VSLPLWEGV	PFAEAEAQHPEIFDQWRTDPANFVM FESEIETDFPGMLDQWKDTPESVQM SFTDIEAKYPEEYQAWRHQPNDFKM
UniRef90_K9FL61 UniRef90_I9C2P7	D L L K	I S P L WE A I	S F T D I E A K Y P E E Y Q A WR H Q P N D F K M T Y A A L N D Q W S D L M A K L L T H P
UniRef90_UPI0003ACCF	46 TWRENE	RHYGGLT GL	NKAETAAKHGEEQVKUWRRSFDIPP
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UniRef90_W4V4F0 UniRef90_F0S865	S D N L K E D K R L N E	RNFGI WDDL RSYGDLEGL	I
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                                                                                                                                                                                                                                                                                                VELPTGTPLVYELDEKCNVVSK

FQIDNCSVTELKIYDD
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LNIPTATPLVIQFNDRLQYQDEFYLGN
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LNIPTGVPLVYEFDSGLKLLSKKTL
GMVANASVSKFLFNDDL IVCMEYAD
RELGTGKPVVYRLDEEGKVL
IELPTGKPYIIYYKKGLVVKNK
VEVGNAEPILYTLDHDLRILKK
VEVGNAEPILYTLDHDLRILKK
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VHQSNCGISVLNFAGGLN
QELNTGVPIIYELNAD
IRQDNTAVNIIEYYRDRAVV
LNATGVPMVYTLNADSTVADKKVLGD
QYIDNGSVTVVEFEDGGFTIK
VDIPNGIPLVVELDKNLKFIRK FYLD
LHVLTGLPVLYEMNEK RIITARYSLE
FKQGNGAITVIDYT
MYQANCGISVLNF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    K N D
G N Q E
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S L E
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FKQGNGAVSVIDYHGG
FRVDNCTITKLEVRD
TELPTGLPRKYVMNRNLQVL
FKQGNGAVSVIDYPDG
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HSLLNTSVNVVDYDDG
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UniRef90\_UPI000402BBBD

Interest		4 40 20 20 40
Interest	UniRef90 U5QM61	V   M   V   R H G Q S   T W N   T E N R E T G W T D   V   P   L   T E K G K E E A R T C G E
Interest	UniRef90_X5JI47	RLLLVRHGETD <u>W</u> NLQRRYQGQTD <u>VP</u> LN <u>VT</u> GKQQ <u>S</u> QKLAQ
Interest	UniRef90_M4KHQ6	T T L L L L R H G Q T E L IN R D G K Y S G R G N P E L T D L G K K Q I A . H A S
Infeeting		QI Y F V R H G K I E W N L E S R F Q G H G D S P L L K E S H E D L K K L G K
Infeeting		RILLVRHGET DWNKEGREOGOLDEPLINET GKNOAKK
Interest   Proposed    UniRef90 K9XRA8	PRILLLIRHGETQWNRESRFQGIIRDIIPILINDNGREQGRKAGE	
Interest   Company   Com	UniRef90_UPI000471AB6F	TRVLLLRHGLSTYNVQGRIQGRDDSTLTADG <u>E</u> AMARRTGE
Interest	UniRef90_UPI00034BC80B	TRVII VRHGQSTYNAEKRI QGRTDSKLITEQG <mark>C</mark> ADSSKAGK
Imbresson   JP10004775243		I R V I I V R H G Q S S Y N A Q K K I Q G R C D S V L I E K G K V D A E I V G I
Interest   1	UniRef90 UPI00047CD4D6	T KIL IFIL VIR H GE S T WNITE GRIVOG GOHDTHLITKK GITS QATALIGN
Interest   1	UniRef90_K9Z3H3	TRVĪIĀRĦĠQŠSYNĀQKMLQĠR <mark>C</mark> DSVITEKĠ <u>Ē</u> KQAQLLĠE
Interest   Depoil	UniRef90_E2ZD03	RIILVRHGETKWNIEGRYQGQEDTELSERGLEQGRLLAQ
Junkergo		I RIV VI VIRH GQS I YNIL QQIL I QGR S DQS V LI E K GR A DA QKIV RI I I I RH GET E WN R O GK E O GOLD [V] PI IN D N GRIL O A OKA A A
Junkergo   UP100041781381	UniRef90 K9RG14	TRVII VRHGQSTYNI VRRII QGHILDSVLITEKGCSDAVKVGK
Junkergo   UP100041781381	UniRef90_Q47IH2	TRI CLVRHGETEWNAERRLQGQI DI CLNETGQRQAVAAGR
Interestion   Control		PRILLLVIRHGET DWN RDGK F QGQII DV PILNDN GRIVIQAN QARE
Interestion   Control		PKILLVRHGEIGWNAANKETGWIDIVPLISERGRA GERTUA
Interestion   Control	UniRef90_UPI00036F70C3	TRVLFIRHGETTWNRVKRIQGHIDIPLAASGIAQAERLAA
TRINGERON   SERVICE   SERV	UniRef90_UPI00047A83DC	KLYLIRHGETEWNLHNRTQG <mark>C</mark> VDVPLNENGKLQALKLAR
TRINGERON   SERVICE   SERV		TRIVITIA RHGOSNYNIVOK PILOGPSDESIVITAK GOODA OUTO
Junkergo	UniRef90_L6L166 UniRef90_K9SXX2	TRIVIL VIRHGESTSNSAGMIVIQGRGNSPILTOKGOOOAKII AGII
Junkergo	UniRef90_R5HUW1	LYFVRHGQTLWNVENKLCGATDLALITĒFGHĒQAVĒTGR
Interest   Assistant	UniRef90_C1CVZ0	T E F WV V R H G E S T WN M D G R Y Q G Q T D V P L S H V G V L Q A A S L A E
Interest   Assistant		OII Y E V R H G K T E WNI A S R E O G H G D S PILLIP O S I K D I K K II G E
Interest   Assistant	UniRef90_B2IEV6	LVLVRHGQSDWNLKNCFTGWKDPDLTEKGIGEAQAAGR
Initiagisto   Castonian   Ca	UniRef90_A8IGZ9	T E L V L V R H G Q S E WN L K N L F T G W R D P N L T D Q G V S E A R R A G A
Initiagisto   Castonian   Ca	UniRef90_E8U7E6	I E F WV V IR H G E S I W N IV IA G R Y Q G Q T D IV IP L IS P L IG H L Q A A S L A G
Initiagisto   Castonian   Ca	UniRef90_F6EEJ9 UniRef90_R7MTE5	KLYI ARHGKTMFNTI GRAQGWSDSPLITPFGEEGINFI GIV
Initiagisto   Castonian   Ca	UniRef90_Q3ALQ7	RL LL VR H GLS S F N K E R R T Q G R D D S N L S E E G H E Q A R A L G R
Initiagisto   Castonian   Ca	UniRef90_UPI0002ECEB1C	ELIYI VRHGETEWNKEGRLQGWLDSNLTKMGLEQV MRL
Interests   Soughor		KIVI IRHGOSIWALERRETGATOWNI E EGQRQARRIGE
Interests   Soughor	UniRef90_R0H5X8	EIT VVVRHGETÄWNÄERKINQGHUDVELNDAGRQQAVRVAE
Jinker90	UniRef90_S0J9D7	TELYI VRHGKTMFNTLQRVQGWCDTPLTKSGVERLQYLG
JAINERGO_JONO0326862  JAINERGO_JONO0376864  TILL   L.R.H.G.G.T.G.W.N.V.L.E.G.R.L.G.G.G.K.N.S.P.L.T.E.V.G.V.G.G.R.E.K.A.S.E. JAINERGO_JONO03768640068	UniRef90_T0ZGQ1	KILI LVRHGQSILWNLENLFTGWTDII DILAPAGREEAMRAGR
TRIESTON		TKI FI I RHGOTOWNWGGKWQGHADWPLINEI GYQQAKILLAR
TRIESTON	UniRef90_A0A023BBQ4	TLLLLRHAESVWTHDGKFTGWSDVNLSEVGIVEEKKASE
TRIESTON	UniRef90_A0A037Z6S6	T T L F I T R H G Q T L WN T Q K R M Q G WK D S P L T E L G L K Q A K S L S K
Third   Thir	UniRef90_V4RW71	
Timerion	UniRef90_M9VIC9 UniRef90_UPI00046A9068	RIILVRHGQSIANAEGRILQGQKEYPIISSOGKFFAKKIVAF
Inire190	UniRef90_D8PPM2	PRLELIRHGETEWSENGRHTGRTDFPLTARGFEQFKEKAQ
Inire190	UniRef90_A4G1U3	TELL LERHGETDWNVEKRLQGHHDLDLNREGVRQVAALGR
Jnikef90		KILL VRHGOSOWNIESPETGGODI DI TELIGKEEAPNACH
Jnikef90	UniRef90_C4GM97	LYLIRHGQTEYNAAGIVQGW <mark>C</mark> DSPLITAEGKAGAAQTGN
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TEVVIVRHGETSWNASRIIQGHLDIPLNDTGLWQAZQAVAVAVAVAVAVAVAVAVAVAVAVAVAVAVAVAVAV	UniRef90_N1ZZ93	TKLFFVRHGKTKWNLEGRYQGRGDSPLLPESYRELEELA
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TEVVIVRHGETSWNASRIIQGHLDIPLNDTGLWQAZQAVAVAVAVAVAVAVAVAVAVAVAVAVAVAVAVAVAV		I K F Y F J V J R H G E T J J W N K E G K Y C G K I D L P L I P D G L Q Q A H Q L A K
T E V V I V R H G E T S W N A S R I I Q G H L D A E L N D I G R Q Q A V A V A D I R R R R R R R R R R R R R R R R R R	UniRef90_R5BFZ5	RII I L VIR H G Q T K WN S E G R V Q G R T DII PL N A R G M A Q A E A V G E
T E V V I V R H G E T S W N A S R I I Q G H L D A E L N D I G R Q Q A V A V A D I R R R R R R R R R R R R R R R R R R	UniRef90_H7FWH7	TLILLRHGQSTWNLENRFTGEVDLDLSPYGEAQAKQAG
T L Y L M R H G Q T V F N L K G R I Q G A S D S P L T T L V V R Q A Q S A K G		I E II L I I I R H G E T D Y N K K N L Y Y G H L N P S L N K T G L N Q L K N T K K
T L Y L M R H G Q T V F N L K G R I Q G A S D S P L T T L V V R Q A Q S A K G	UniRef90_C5YMMU UniRef90 D5H199	TEVYL VRHGETMFNQLNKIVQGWCDSPLTVKGINDLKRTAK
T L Y L M R H G Q T V F N L K G R I Q G A S D S P L T T L V V R Q A Q S A K G	UniRef90_UPI0002375786	TRI VAVRHGETAWNVDTRIQGHLDIPLNDTGLWQAERLAR
T L Y L M R H G Q T V F N L K G R I Q G A S D S P L T T L V V R Q A Q S A K G	UniRef90_A0A011PMR8	TRILYIL VIRHGATELLTAEDRFAGSSDIVIPLISDEGRRQVACLAE
T L Y L M R H G Q T V F N L K G R I Q G A S D S P L T T L V V R Q A Q S A K G		TRIVIT VIR H G O S S Y N A O RITTO G R S D F S IV VIT F K G R O D A O K W
T L Y L M R H G Q T V F N L K G R I Q G A S D S P L T T L V V R Q A Q S A K G	UniRef90_D7WMY7	I YL L R H G E T N Y N T Q G R Y Q G Q L D S P L T E R G R E Q V Q Q N A R
T L Y L M R H G Q T V F N L K G R I Q G A S D S P L T T L V V R Q A Q S A K G	UniRef90_UPI0003F54BA6	TRI LAI RHGETAWNVDARLQGHLDLPLNDKGLWQAARTGK
JniRef90_W9S0M8  LILIRHGESLWNEKNLFTGCVDVPLTKRGVEEAIEAGK JniRef90_F9N7C6  QIYFVRHGETDWNHLGKHQGFSDIPLNEKGMAQAVDVGD		I I I I I I I I I I I I I I I I I I I
JniRef90_W9S0M8  LILIRHGESLWNEKNLFTGCVDVPLTKRGVEEAIEAGK JniRef90_F9N7C6  QIYFVRHGETDWNHLGKHQGFSDIPLNEKGMAQAVDVGD	UniRef90_F9L3M5 UniRef90_B9GUK5	LILIRHGESLWNEKNLIFTGCVDVPLITKKGVEEAIFAGK
JniRef90_W9S0M8  LILIRHGESLWNEKNLFTGCVDVPLTKRGVEEAIEAGK JniRef90_F9N7C6  QIYFVRHGETDWNHLGKHQGFSDIPLNEKGMAQAVDVGD	UniRef90_A2BVH7	RLVLVRHGLSSFNEKGLTQGRTDSYLTDKGYEQALKSGE
JniRef90_W9S0M8  LILIRHGESLWNEKNLFTGCVDVPLTKRGVEEAIEAGK JniRef90_F9N7C6  QIYFVRHGETDWNHLGKHQGFSDIPLNEKGMAQAVDVGD	UniRef90_M4DZW9	TEILV LVR HGETTWNAAGRI QGQMESDLNELGQKQAVALAD
JniRef90_W9S0M8 JniRef90_F9N7C6 JniRef90_Q9PLK4 JniRef90_A0A016XEN4 JniRef90_Q03ZJ4 JniRef90_V2XYL5 JniRef90_UP10003FD05FA JniRef90_UP10003FD05FA JniRef90_GF8D11 JniRef90_Q6FN95 JniRef90_Q6FN95 JniRef90_H1		I KII I KII GEGAWN KEN RE <mark>C</mark> S WVD OKII S T N GV I E A ON <mark>C</mark> CK
JniRef90_F9N7C6  JniRef90_Q9PLK4  T	UniRef90_W9S0M8	L L L R H G E S W N E K N L F T G C V D V P L T K R G V E E A M E A G K
JRIREF90_Q9PLK4	UniRef90_F9N7C6	QI Y F V R H G E T D WN H L G K H Q G F S D I P L N E K G M A Q A V D V G D
	UniRef90_Q9PLK4	TELLILIRHGQSVWNQKNLFTGWVDIPLSQQGLQEALTAGE
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JniRef90_UPI0003FD05FA	UniRef90_V2XYL5	PRLFLIRHGETEWSLNGRHTGRTDIPLITPRGEEQVKQKAQ
JAIRCHSU_FSKUTT  I K   U	UniRef90_UPI0003FD05FA	TKI YL MRHGQTLFNKLHKIQGASDSPLITAKGIRQAELARD
JniRef90_H3LME5		I KII OL VIKHGEI I WNIVID KRIVIQ G QII DILIPILIN DHGLIK Q A Q A T A Q
UniRef90_H7F296 LYFVRHGQTYLNKNLRMQGWADTPLTPEGAETVRQSGR JniRef90_C7N5T5 RVYVIRHGETEGNAAGIFQGRVDGQLLESGYKLARVTGE		OVILVRHAETEWNVRFIIIOGOSDSAIITSRGKROTSAIIIA
JniRef90_C7N5T5 R V Y V I  R H G E T E G N A A G I F Q G R V D G Q L L E S G Y K L A R V T G E	UniRef90_H7F296	LY FVRHGQTY LNKNLRMQGWADTPLITPEGAEITVRQSGR
	UniRef90_C7N5T5	R V Y V    R H G E T E G N A A G   F Q G R V D G Q L L E S G Y K L A R V T G E

University   Uni			50 60 70 80
UniRefog			L L H C V R F D T A F T S K L S R A Q Q T L Q L L L A A A G Q S D V P V T E
Uniref90			RHI SERGDIVIDILI VISSSMSRAKETA EILTERYHPHIIS ILQILI
UniRef90_Q171B2 UniRef90_UP1000476BA12 UniRef90_UP100047BA12 UniRef90_UP100047BA12 UniRef90_UP100047BA12 UniRef90_UP100047BA12 UniRef90_UP100047BA12 UniRef90_UP100047BA12 UniRef90_UP100047BA12 UniRef90_UP100047BA12 UniRef90_UP100047BA12 UniRef90_UP10004BA12 UniRe	UniRef90_l	17LE23	YLKTTK FKAI YSSPLQRAFNTAQ ELSWTMNAGLSVII
UniRef90_Q171B2 UniRef90_UP1000476BA12 UniRef90_UP100047BA12 UniRef90_UP100047BA12 UniRef90_UP100047BA12 UniRef90_UP100047BA12 UniRef90_UP100047BA12 UniRef90_UP100047BA12 UniRef90_UP100047BA12 UniRef90_UP100047BA12 UniRef90_UP100047BA12 UniRef90_UP10004BA12 UniRe			ILIN EI KFDQIIYSSPLKRAAETAREI EK <mark>C</mark> FKEN FDI <mark>H</mark> Y
Uniref90			FLKDLKID FAVTSPMLRPKETAEIILQHHPE VTLTT
Uniref90			ALDGIRLDVVLSSPLRRAAHTAALVCGACSGAAPAVVY
Uniref90			ALISKUNVDAF YSSPLQRAKDTAETIRNELIANHSEQPQT ALISKUNVDAF YSSPLQRAKSTAOLIQS <mark>C</mark> LENPPTUQAT
Uniref90	UniRef90_A	A2BPZ6	YL RNISFNKAFSSSMHRPFETAQLILQNRKDLKI ER
Uniref90			RLRSENI HINSIYSSDLKRAFETAKTI HS <mark>C</mark> LN NVITFKK ALKDVKI GAF YSSPI ORAYKTAOLV OSI NOYKPSITV
Uniref90	UniRef90_E	E2ZD03	GLKDVPIDVF VSSPLKRSFMTASFCAE LHGNTVAK
Uniref90			GTALSSLSFDALY <mark>C</mark> SPLQRAKQTADIIILSYL PNPPQLQP
Uniref90			_ALKNISFDAIYCSPLKRAKQTAELIHHEIKANLDNTQK
UniRef90		Q47IH2	
UniRef90_UPI00046A9068         WL AHQPID AIYSSDLSRAYETAK         E AAYHSIEVQK           UniRef90_D8PPM2         ML VGEVKNLCTVLVSPRQRAHKTFHLLFEHVITPPPHMVTE           UniRef90_A4G1U3         ML VDEPLD AIFSSDLKRALGTAQ         GIAIPRGMSVQL           UniRef90_K8GME8         SCKLRNYRVRVCFTSMLFRALGTAQ         GIAIPRGMSVQL           UniRef90_U2HTX1         QL LDQKID MAFSSKLLRARRTLAIMLEEMDQVTIPIMI           UniRef90_C4GM97         AIAQAQIPFAAAYCSTSPRTAATAQIILQHARQPHITPVA           UniRef90_UPI0003465383         GLREAGLDFKKAFSSDSGRTIQTMSIILEELJTN           UniRef90_UPI0004786481         YEKENELHFDHAYCSTQERASDTLELITN           UniRef90_UPI0004786481         RIAGFRPPUSALYTSPLIRARRTLAARRTLAARRTLARRTLARRTLARRTLARRTL		UPI000476BA12	LLKSVKLD FAVISSSMLRPKETAELILEHH PGVALTT
UniRef90_UPI00046A9068 UniRef90_D8PPM2 UniRef90_A4G1U3 UniRef90_A4G1U3 UniRef90_K8GME8 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPI0003465383 UniRef90_UPI0003465383 UniRef90_UPI0003465383 UniRef90_UPI0004786481 UniRef90_UPI0004786481 UNIRef90_UPI0004786481	UniRef90_l	UPI000411819B	SCKLRDYPVDVCFTSMLFRAMETATECDELCAGKIPVFKH
UniRef90_UPI00046A9068 UniRef90_D8PPM2 UniRef90_A4G1U3 UniRef90_A4G1U3 UniRef90_K8GME8 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPI0003465383 UniRef90_UPI0003465383 UniRef90_UPI0003465383 UniRef90_UPI0004786481 UniRef90_UPI0004786481 UNIRef90_UPI0004786481		UP100036F70C3	RILIASRMNGRQPII YSSDILIQRAQQIAQPIASALIGILI <u>PLIQILICI</u> RMSS <mark>C</mark> RIVID RILIYSSNILISRAVIOTANYI ISO VVIKKDIVVVI
UniRef90_UPI00046A9068 UniRef90_D8PPM2 UniRef90_A4G1U3 UniRef90_A4G1U3 UniRef90_K8GME8 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPI0003465383 UniRef90_UPI0003465383 UniRef90_UPI0003465383 UniRef90_UPI0004786481 UniRef90_UPI0004786481 UNIRef90_UPI0004786481		Q07UT3	KÜKTQGFVFDVAFTSALTRAQHTÜDÜMLTELGQTGLPTTR
UniRef90_UP100046A9068 UniRef90_D8PPM2 UniRef90_A4G1U3 UniRef90_A4G1U3 UniRef90_K8GME8 UniRef90_UP1000346S083 UniRef90_UP1000346S383 UniRef90_UP1000346S383 UniRef90_UP1000346S383 UniRef90_UP1000346S383 UniRef90_UP1000348S383 UniRef90_UP1000478S6481		L8LT88	ETLIKDYP LITALIYCS PILQRAMGTAE IIIS NSREHPLIRVQP
UniRef90_UPI00046A9068 UniRef90_D8PPM2 UniRef90_A4G1U3 UniRef90_A4G1U3 UniRef90_K8GME8 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPI0003465383 UniRef90_UPI0003465383 UniRef90_UPI0003465383 UniRef90_UPI0004786481 UniRef90_UPI0004786481 UNIRef90_UPI0004786481		R5HUW1	KI A E E GI K A D E LY S PL I R A A E T A RYI S E TT
UniRef90_UPI00046A9068 UniRef90_D8PPM2 UniRef90_A4G1U3 UniRef90_A4G1U3 UniRef90_K8GME8 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPI0003465383 UniRef90_UPI0003465383 UniRef90_UPI0003465383 UniRef90_UPI0004786481 UniRef90_UPI0004786481 UNIRef90_UPI0004786481		C1CVZ0	RILIT GLIHFDAVYTSDLIRASQTADAVAERLAGAP VVQP
UniRef90_UP100046A9068 UniRef90_D8PPM2 UniRef90_A4G1U3 UniRef90_A4G1U3 UniRef90_K8GME8 UniRef90_UP1000346S083 UniRef90_UP1000346S383 UniRef90_UP1000346S383 UniRef90_UP1000346S383 UniRef90_UP1000346S383 UniRef90_UP1000348S383 UniRef90_UP1000478S6481		S5DVJ3	HLKGTR FRGIFASPLDRAFNTAQ GIDNAMNANLPVVI
UniRef90_UPI00046A9068         WL AHQPID AIYSSDLSRAYETAK         E AAYHSIEVQK           UniRef90_D8PPM2         ML VGEVKNLCTVLVSPRQRAHKTFHLLFEHVITPPPHMVTE           UniRef90_A4G1U3         ML VDEPLD AIFSSDLKRALGTAQ         GIAIPRGMSVQL           UniRef90_K8GME8         SCKLRNYRVRVCFTSMLFRALGTAQ         GIAIPRGMSVQL           UniRef90_U2HTX1         QL LDQKID MAFSSKLLRARRTLAIMLEEMDQVTIPIMI           UniRef90_C4GM97         AIAQAQIPFAAAYCSTSPRTAATAQIILQHARQPHITPVA           UniRef90_UPI0003465383         GLREAGLDFKKAFSSDSGRTIQTMSIILEELJTN           UniRef90_UPI0004786481         YEKENELHFDHAYCSTQERASDTLELITN           UniRef90_UPI0004786481         RIAGFRPPUSALYTSPLIRARRTLAARRTLAARRTLARRTLARRTLARRTLARRTL	UniRef90_E	B2IEV6	GLKAKGLAFDIAFTSALTRAQHTLKLILGELGTPDVPTTR
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UniRef90_UPI00046A9068         WL AHQPID AIYSSDLSRAYETAK         E AAYHSIEVQK           UniRef90_D8PPM2         ML VGEVKNLCTVLVSPRQRAHKTFHLLFEHVITPPPHMVTE           UniRef90_A4G1U3         ML VDEPLD AIFSSDLKRALGTAQ         GIAIPRGMSVQL           UniRef90_K8GME8         SCKLRNYRVRVCFTSMLFRALGTAQ         GIAIPRGMSVQL           UniRef90_U2HTX1         QL LDQKID MAFSSKLLRARRTLAIMLEEMDQVTIPIMI           UniRef90_C4GM97         AIAQAQIPFAAAYCSTSPRTAATAQIILQHARQPHITPVA           UniRef90_UPI0003465383         GLREAGLDFKKAFSSDSGRTIQTMSIILEELJTN           UniRef90_UPI0004786481         YEKENELHFDHAYCSTQERASDTLELITN           UniRef90_UPI0004786481         RIAGFRPPUSALYTSPLIRARRTLAARRTLAARRTLARRTLARRTLARRTLARRTL	UniRef90_F	F6EEJ9	RLARQRGRIAAVVSSPLTRAQQTAHAVAEGLGVDVHVQ
UniRef90_UPI00046A9068         WL AHQPID AIYSSDLSRAYETAK         E AAYHSIEVQK           UniRef90_D8PPM2         ML VGEVKNLCTVLVSPRQRAHKTFHLLFEHVITPPPHMVTE           UniRef90_A4G1U3         ML VDEPLD AIFSSDLKRALGTAQ         GIAIPRGMSVQL           UniRef90_K8GME8         SCKLRNYRVRVCFTSMLFRALGTAQ         GIAIPRGMSVQL           UniRef90_U2HTX1         QL LDQKID MAFSSKLLRARRTLAIMLEEMDQVTIPIMI           UniRef90_C4GM97         AIAQAQIPFAAAYCSTSPRTAATAQIILQHARQPHITPVA           UniRef90_UPI0003465383         GLREAGLDFKKAFSSDSGRTIQTMSIILEELJTN           UniRef90_UPI0004786481         YEKENELHFDHAYCSTQERASDTLELITN           UniRef90_UPI0004786481         RIAGFRPPUSALYTSPLIRARRTLAARRTLAARRTLARRTLARRTLARRTLARRTL		R/MTE5 Q3ALQ7	GILIKAAGII IP F KAAYSSDSGRTILIQTMDILI LIRETGILETILIPYKR SILEDVISILIQALIYSSPILIORAAATTASII LIETKGGOSPAPIVIE
UniRef90_UPI00046A9068         WL AHQPID AIYSSDLSRAYETAK         E AAYHSIEVQK           UniRef90_D8PPM2         ML VGEVKNLCTVLVSPRQRAHKTFHLLFEHVITPPPHMVTE           UniRef90_A4G1U3         ML VDEPLD AIFSSDLKRALGTAQ         GIAIPRGMSVQL           UniRef90_K8GME8         SCKLRNYRVRVCFTSMLFRALGTAQ         GIAIPRGMSVQL           UniRef90_U2HTX1         QL LDQKID MAFSSKLLRARRTLAIMLEEMDQVTIPIMI           UniRef90_C4GM97         AIAQAQIPFAAAYCSTSPRTAATAQIILQHARQPHITPVA           UniRef90_UPI0003465383         GLREAGLDFKKAFSSDSGRTIQTMSIILEELJTN           UniRef90_UPI0004786481         YEKENELHFDHAYCSTQERASDTLELITN           UniRef90_UPI0004786481         RIAGFRPPUSALYTSPLIRARRTLAARRTLAARRTLARRTLARRTLARRTLARRTL	UniRef90_l	UPI0002ECEB1C	KGOLQDISFDAAFSSPSKRAYDTAEI
UniRef90_UPI00046A9068 UniRef90_D8PPM2 UniRef90_A4G1U3 UniRef90_A4G1U3 UniRef90_K8GME8 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPI0003465383 UniRef90_UPI0003465383 UniRef90_UPI0003465383 UniRef90_UPI0004786481 UNIRef90_UPI0004786481 UNIREF90_UPI0004786481		K9P2T1 C3C2I0	A IL IA E IL IA F T A II Y S S PIL Q R A S A T A V A IL L A S H G S PIL IA P V F
UniRef90_UPI00046A9068         WL AHQPID AIYSSDLSRAYETAK         E AAYHSIEVQK           UniRef90_D8PPM2         ML VGEVKNLCTVLVSPRQRAHKTFHLLFEHVITPPPHMVTE           UniRef90_A4G1U3         ML VDEPLD AIFSSDLKRALGTAQ         GIAIPRGMSVQL           UniRef90_K8GME8         SCKLRNYRVRVCFTSMLFRALGTAQ         GIAIPRGMSVQL           UniRef90_U2HTX1         QL LDQKID MAFSSKLLRARRTLAIMLEEMDQVTIPIMI           UniRef90_C4GM97         AIAQAQIPFAAAYCSTSPRTAATAQIILQHARQPHITPVA           UniRef90_UPI0003465383         GLREAGLDFKKAFSSDSGRTIQTMSIILEELJTN           UniRef90_UPI0004786481         YEKENELHFDHAYCSTQERASDTLELITN           UniRef90_UPI0004786481         RIAGFRPPUSALYTSPLIRARRTLAARRTLAARRTLARRTLARRTLARRTLARRTL	UniRef90_F	R0H5X8	RLAKE PKISYVYSSDLKRAFETAQIII AAKCGKLEVLT
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UniRef90_UPI00046A9068       WL A H Q P I D A I Y S S D L S R A Y E T A K       E A A Y H S I E V Q K         UniRef90_D8PPM2       ML V G E V K N L C T V L V S P R Q R A H K T F H L L F E H V T P P P H M V T E         UniRef90_A4G1U3       A L D E P L D A I F S S D L K R A L G T A Q G I A I P R G M S V Q L         UniRef90_K8GME8       S C K L R N Y R V R V R V C F T S M L F R A L E T A T E V D D L C D G R I P I L K H         UniRef90_U2HTX1       Q L L D Q K I D M A F S S K L L R A R R T L A I M L E E M D Q V T I P L M I         UniRef90_C4GM97       A I A Q A Q I P F A A A Y C S T S P R T A A T A Q I I L Q H A R Q P H I T P V A         UniRef90_UPI0003465383       G L R E A G L D F K K A F S S D S G R T I Q T M S I I L E E L G L T K I P Y L Y         UniRef90_D6S4F7       Y E K E N E I H F D H A Y C S T Q E R A S D T L E L I T N Q P Y E R         UniRef90_UPI00047864B1       R I A G F R P P I S A I Y T S P I L R A R I T A F A L A R A I I I L R I I I I I I I I I I I I I I I		A9WDJ8	RLANEGVTFSALYSSDLARAYQTAWEIIGAALR VPVQL
UniRef90_UPI00046A9068         WL AHQPID AIYSSDLSRAYETAK         E AAYHSIEVQK           UniRef90_D8PPM2         ML VGEVKNLCTVLVSPRQRAHKTFHLLFEHVITPPPHMVTE           UniRef90_A4G1U3         ML VDEPLD AIFSSDLKRALGTAQ         GIAIPRGMSVQL           UniRef90_K8GME8         SCKLRNYRVRVCFTSMLFRALGTAQ         GIAIPRGMSVQL           UniRef90_U2HTX1         QL LDQKID MAFSSKLLRARRTLAIMLEEMDQVTIPIMI           UniRef90_C4GM97         AIAQAQIPFAAAYCSTSPRTAATAQIILQHARQPHITPVA           UniRef90_UPI0003465383         GLREAGLDFKKAFSSDSGRTIQTMSIILEELJTN           UniRef90_UPI0004786481         YEKENELHFDHAYCSTQERASDTLELITN           UniRef90_UPI0004786481         RIAGFRPPUSALYTSPLIRARRTLAARRTLAARRTLARRTLARRTLARRTLARRTL	UniRef90_l	U3CG82	LLE QFELHKAYVS PLQRAVDTS DI VLEGRDVEVVT
UniRef90_UPI00046A9068         WL AHQPID AIYSSDLSRAYETAK         E AAYHSIEVQK           UniRef90_D8PPM2         ML VGEVKNLCTVLVSPRQRAHKTFHLLFEHVITPPPHMVTE           UniRef90_A4G1U3         ML VDEPLD AIFSSDLKRALGTAQ         GIAIPRGMSVQL           UniRef90_K8GME8         SCKLRNYRVRVCFTSMLFRALGTAQ         GIAIPRGMSVQL           UniRef90_U2HTX1         QL LDQKID MAFSSKLLRARRTLAIMLEEMDQVTIPIMI           UniRef90_C4GM97         AIAQAQIPFAAAYCSTSPRTAATAQIILQHARQPHITPVA           UniRef90_UPI0003465383         GLREAGLDFKKAFSSDSGRTIQTMSIILEELJTN           UniRef90_UPI0004786481         YEKENELHFDHAYCSTQERASDTLELITN           UniRef90_UPI0004786481         RIAGFRPPUSALYTSPLIRARRTLAARRTLAARRTLARRTLARRTLARRTLARRTL		AUAU23BBQ4 A0A037Z6S6	RMANTNID YIYTSPIGRAFKTAEI VRGC RDIKMIK
UniRef90_UPI00046A9068 UniRef90_D8PPM2 UniRef90_A4G1U3 UniRef90_A4G1U3 UniRef90_K8GME8 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPIX1 UniRef90_UPI0003465383 UniRef90_UPI0003465383 UniRef90_UPI0003465383 UniRef90_UPI0004786481 UNIRef90_UPI0004786481 UNIREF90_UPI0004786481	UniRef90_\	V4RW71	RLAKEF KISVI YSSDLKRALETAQTI ANRCGGLK VIE
UniRef90_B8PM2  WILVGEVKNILCTVLVSPRQRAHKTFHILFEHVIJPPHMWILE UniRef90_A4G1U3  UniRef90_K8GME8  UniRef90_U2HTX1  UniRef90_U2HTX1  UniRef90_U2HTX1  UniRef90_UPI0003465383  UniRef90_UPI0003465383  UniRef90_UPI0003465383  UniRef90_UPI0004786481  UniRef90_UPI0004786481  RILAGERPPIDSAUVTSPULIRARITA A TAQIILE HVIJPPHMIUTPUMIUUTPUM			WILAHOPED AUYSSPILVIRARIVII AETUGRAAGILEVIGF
UniRef90_A4G1U3       A L L D E P L D A I F S S DIL K R A L G T A Q G I A I P R G M S V Q L         UniRef90_K8GME8       S C K L R N Y R V R V R V C F T S M L F R A I E T A T E V D D I C D G R I P I L K I E T A T E V D D I	UniRef90_[	D8PPM2	MIL VIGENIK NII IC LIVI VISPRORAHKIEHILLEEHIVILPPPHMIVILE
UniRef90_UPI0003465383  GLREAGLDFKAAFSSDSGRTLQTMSIILEELGLTKIPYIIY UniRef90_W6T7Y2  YFKENELHFDHAYCSTQERASDTLELITN QPYER UniRef90_UPI0004786481  RIAQAQIPFAAAYCSTSPRIAATAQIILQHARQPHIIPVA			ALLIDEPLID AILFSSDLKRALGTAQ GIAIPRGMSVQL SCKURNYRVCETSMIERALETATEVIDDI COGRUPI I KU
UniRef90_UPI0003465383  GLREAGLDFKAAFSSDSGRTLQTMSIILEELGLTKIPYIIY UniRef90_W6T7Y2  YFKENELHFDHAYCSTQERASDTLELITN QPYER UniRef90_UPI0004786481  RIAQAQIPFAAAYCSTSPRIAATAQIILQHARQPHIIPVA QPYIIPVA			QLLDQKID MAFSSKLLRARRTLAIMLEEMDQVTIPIMI
VINIRE190_UP100047864B1  VINIRE190_UP100047864B1  UniRe190_UP100047864B1  UniRe190_V4MS19 UniRe190_D4MS19 UniRe190_B9HE66 UniRe190_B9HE66 UniRe190_B9HE66 UniRe190_UP100036AB08D UniRe190_UP100036AB08D UniRe190_UP100036AB08D UniRe190_UP100035C78MO UniRe190_UP100035C78FC UniRe190_UP100035C78BC UniRe190_UP100035C78BC UniRe190_UP100035C78FC UniRe190_UP10003C78FC UniRe190_UP10003C78FC UniRe190_UP10003C78FC UniRe190_UP10003C78FC UniRe190_UP10003C78FC UniRe190_UP			
UniRef90_D6S4F7			Y F K E N E L H F D H A Y C S T Q E R A S D T L E L I T N OP Y E R
NIRE190_V4MS19	UniRef90_[	D6S4F7	YLKGTK FRGIYASPLKRAFDTAQ GVQQSMGISLPVRV
UniRef90_V4MS19 UniRef90_F8l9P6 UniRef90_R8l9P66 UniRef90_R8l9P66 UniRef90_R8l9P67 UniRef90_R8l9P66 UniRef90_B9HE66 UniRef90_C5YMM0 UniRef90_C5YMM0 UniRef90_UP100036AB08D UniRef90_D5H199 UniRef90_D5H199 UniRef90_UP100035CF8FC UniRef90_UP100035CF8FC UniRef90_UP100035CF8FC UniRef90_UP100035CF8FC UniRef90_D7WMY7 UniRef90_UP100035CF8FC UniRef90_D7WMY7 UniRef90_UP100035CF8FC UniRef90_P2MS68 UniRef90_P3MS68 UniRef90_UP100035CF8FC UniRef90_UP10003CT80A4 UniRef90_UP10003CT80A4 UNIREf90_UP10003CT80A4 UNIREf90_UP100A1C T T T T T T T T T T T T T T T T T T T		07100047864B7 N1ZZ93	TYLNDFKFAKVYCSPIRRAKVTAQKLVANLERPVNIFA
Unire	UniRef90_\	V4MS19	RISNIPVDVIFTSSLIRAQMTAMMIQHRRKKVPI ILHN
UniRef90_R5BFZ5 UniRef90_H7FWH7 UniRef90_UP100036AB08D UniRef90_C5YMM0 UniRef90_D5H199 UniRef90_UP10002375786 UniRef90_UP100035CF8FC UniRef90_UP10003CF8FC UniRef90_UP100035CF8FC UniRef90_UP100035CF8FC UniRef90_UP10003CF8FC UniRef90_UP10003C		⊦ชเยคช B9HE66	NILIGUES FUTAV VIS PREKARŲ IAŲ PELII REGES MEILI RILIS REF KVIS AVYS S DIEKRAFFTAFKITA AT <mark>C</mark> GITAF VIIK
UniRef90_UP100036AB08D UniRef90_C5YMM0 UniRef90_D5H199 UniRef90_UP10002375786 UniRef90_UP10002375786 UniRef90_UP100035CF8FC UniRef90_UP100035CF8FC UniRef90_D7WMY7 UniRef90_D7WMY7 UniRef90_D7WMY7 UniRef90_D7WMY7 UniRef90_F2MS68 UniRef90_F2MS68 UniRef90_F9L3M5 UniRef90_B9GUK5 UniRef90_A28DH7 UniRef90_D9GUK5 UniRef90_D9GUK5 UniRef90_Q124Q8 UniRef90_Q124Q8 UniRef90_UP10003C1B0A4 UniRef90_UP10003C1B0A4 UniRef90_UP10003C1B0A4 UniRef90_UP10003C1B0A4 UniRef90_D9S0M8 UniRef90_DPLK4 UniRef90_Q9PLK4	UniRef90_F	R5BFZ5	WLSGRKUDA VYASPLMRAHDTAK ALADRQGVCVKL
UniRef90_C5YMM0 UniRef90_D5H199 UniRef90_UP10002375786 UniRef90_UP10002375786 UniRef90_UP100035CF8FC UniRef90_UP100035CF8FC UniRef90_UP100035CF8FC UniRef90_UP100035CF8FC UniRef90_UP10003F54BA6 UNIREF90_UP10		H/FWH/ UPI00036AB08D	RLEGMNEKI DI VESSDI KR <mark>C</mark> RESI ELI ELDENI KKYE
UniRef90_UPI0002375786 UniRef90_UPI0002375786 UniRef90_UPI00035CF8FC UniRef90_UPI00035CF8FC UniRef90_UPI00035CF8FC UniRef90_DTWMY7 UniRef90_UPI0003F54BA6 UniRef90_UPI0003F54BA6 UniRef90_F9L3M5 UniRef90_F9L3M5 UniRef90_B9GUK5 UniRef90_B9GUK5 UniRef90_M4DZW9 UniRef90_Q124Q8 UniRef90_Q124Q8 UniRef90_UPI0003C1B0A4 UniRef90_UPI0003C1B0A4 UniRef90_UPI0003C1B0A4 UniRef90_UPI0003C1B0A4 UniRef90_UPI0003C1B0A4 UniRef90_Q9PLK4 UniRef90_Q	UniRef90_0	C5YMM0	HRLSKEVKPVALYSSDLKRAAETAQTIARICNVPNVMF
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Y D
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LAQGNTAVSVVDFWGDQSPYNRICILND
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UniRef90_A5V214 UniRef90_UPI00047BBB8E UniRef90_K3ZP30 UniRef90_F4L8Q4 UniRef90_E3GAQ8 UniRef90_UPI0002C369ED UniRef90_UPI00036EC86A UniRef90_UPI00036EC86A UniRef90_UPI00036E3A52 UniRef90_UPI00036E3A52 UniRef90_UPI00036E3A52 UniRef90_D6Y3R9 UniRef90_D6Y3R9 UniRef90_I1CYF0 UniRef90_R9KY97 UniRef90_R9KY97 UniRef90_R9EJY8 UniRef90_H3SK85 UniRef90_H3SK85 UniRef90_UPI0003774169 UniRef90_UPI0003774169 UniRef90_UPI0003774169 UniRef90_UPI0003774169 UniRef90_UPI0003774169 UniRef90_UPI0003774169 UniRef90_UPI0003774169	EVVLVRHGQTDWNVSRIIQGRIDQELNETGRQQAAKVAR TEIWFIRHGETDWNRQRRLQGWQDIPLNESGREQARLAE QVYLVRHGETQWNAERRLQGWQDIPLNESGREQARLAE TIFLTRHGQTEWNVQHRMQGHMDSELTALGVQQAEWLSR EIMVIRHGETAWNADGRIQGHLDVELNDAGRKQAAAVA KIYIIRHGQTDWNVEGKIQGRQDIPLNAAGKMQAQALAK PLVFIRHGGTDWNATGRFQGQRDIPLNAAGKMQAQALAK PTLYIVRHGQTDWNATGRFQGTQDIPLNAAGKAAAGG TTLYIVRHGQSVLNAQDRFTGLLDPPLSATGEDEAARAGG TSLLLIRHGQSVLNAQDRFTGLLDPPLSATGEDEAARAGA TSLLLIRHGGTPFSVEKRFSGVGDPSLTPNGMAQAEALAR KLYLVRHGETECNKKGVYMGSTDVPLNETGIRQGELLRE TRLLLLRHGQTWNVKKRFQGQSDIPLNETGIRQGELLRE TTLYIVRHGGTEWNVKKRFQGQSDIPLNETGIRQAEAAAK RLYMIRHGETECNKKKGVYMGSTDVPLNETGIRQAEAAAAK RLYMIRHGGTEWNVKKRFQGQSDIPLTELGTRQAEAAAAK RLYMIRHGGTEWNVKKRFQGQSDIPLTELGTRQAEAAAAK RLYMIRHGGTEWNVKKRFQGQSDIPLTELGTRQAEAAAAK

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UniRef90_UPI00037412CD UniRef90_G7M4R3	REDAMLI PFAALYSSDLRRARATAQAVSAATGLPVH YFRDNNILIFDHAYSSTLERACDTLEQVTDMS YTR
UniRef90_I3E070 UniRef90_D7GCX1 UniRef90_Q82LK1	Y F R D N NI I F D H A Y S S T L E R A C D T L E Q V T D M S Y T R R L E N T E F T A V I T S P S G R T V Q T A E L I K G D R Q L P I V K H V A A L G P E A L V S S P L R R A L E T A D T L A E L T G L L I A S H H V G A A F V S P M R R A R E T A R L A G L D G A R V R I S N L P V D V I F T S A L I R A Q M T A M L A M T Q H R M K K V P V I L
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UniRef90_I7KQI4 UniRef90_C5VYV0 UniRef90_C7NBG8	RISSINDO ON THE SALIRA QMTA MLA MTQHRMKKVPVILL VLNELISDKMRLISSPLLRTRQTMEIMRA AMGLPTA GYQTFLNHSE WDLIITSPLARAKKTA EIIQQQLT IPLEGLKDA GLDFKLAVSSDLGRTVQTMTIA QRELILGKIPYYQYFENNEITFDA AYSSTQERA SDTLEITFENNEN TEDA AYSSTQERA TEDA AYSSTQERA TEDA AYSSTQERA TEDA AYSSTQUERA TEDA AYSSTQUERA TEDA AYSSTQUERA TEDA AYSSTQUERA TEDA AYSSTQUERA TEDA A
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UniRef90_X5XWE2 UniRef90_A0A014QAS4 UniRef90_L8FYX2	RELIQNPEDFVASPMKRTRETMQRLRLAMQLDPDAYRTALADEHFD AIIYSSDLQRALVTAQ ALGQATGCPVQPGKLIDPSKLTKVFISPRTRAQRTYDLLFDDAAKAKGKVEIALKDKEID VI ITSPLKRAKKTAEIIVQEQLN VDLLELGLRDTQFVEALSSDSGRALETMRVLGENRAKPKPPYSVRLRRNVHFAGAFCSDTTRAMETIQTILDMNEADSVKQPVHLDRRRICFDAIIYSSDLLRAWETATLIADRLNVEP TPRLAAVPLAAVVCSPLQRCWETAQRILERQPGKPAQPVNLEDRDISFEKIIYTSVQARAVKTAQILERQPGKPAQPVNLEDRDISFEKIIYTSVQARAVKTAQRILERQPGKPAQPVNLEDRDISFEKIIYTSVQARAVKTAQRILERQPGKPAQPVNLEDRDISFEKIIYTSVQARAVKTAQRILERVPASQPPVEVGFKTKNIHFDAAFASDLTRAVDTAHFVLSGL DEPLPVTTRLQCKLIDPTKLNHIFVSPRKRSQRTLQCMLEHVPASQPPVEVGFKTKNIHFDAAFASDLTRAVDTAHFVLSGL DEPLPVTTRLAGLSVSGVWSSPSERALQTAQLICDGRT TPIQTRLAGGFTEHEVVLSGL DEPLPVTTRLAGLSVSGVWSSPSERARKTCA
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UniRef90_E0RXT7 UniRef90_UPI0003B3127D	NLEDRDI SFEKI YTSYQARAVKTAQIVDEH FHTGYEI KMLEQGIKADEI LTSPLVRASETARHISELT GIPLRI
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UniRef90_F3S548	TRFWLIRHALVEQNARMRLYGTMDVALCPDSLKTQRWMYA

UniRef90_UPI0004782F9D UniRef90_R2SSL3	R L A G A G D A V V S S P L L R T R Q T A G Y A A D L L G L P E E D L L N H D A D G F D F V A S P L R R T R E T M E R V R A G L G L P R E G Y R T L I C D I K F D A V Y A S P L S R A I N T G A L V G S H P H A S A A F Y V G M L A G V R V H A F V V H S G R R R A A E T A K A I Q E S H P H A S A A F Y V G H L I D P K N L C T V Y V S P R O R A H K T F H L F E N V P K V P R H V L T V Y V Q G W N P Q L I F T S P L S R A T E T A Q A I A S G R S V G D M T V W R S R R E P I G A V V S S P L E R A R R T A Q P A A R A L G V R P A V C S Q M I K P G N L T H L F V S P R K R A Q H T C E E D V D D K Y K E N I P I I I K P Y L K K I K F E K C I S S P L K R C I Q T A N I G A C A G L T G P F E I V I A E M E P D A L I A S P L S R A T E T I K G S R E S E MI F R V E N I N P S K I Y T S S S D S G R T I Q T M G I V L E E L G L T G N P Y T F R V E N I N P S K I Y T S S S D R A Y K T A E I I K G S R E S E MI F R M K D L P L H A I Y S S P S E R T L H T A E L I K G E R D P P M A Y E R L A A F N D D M C F T S P L K R S A E T A E I I M G S R E S E MI F R M K D L P L H A I Y S S P S E R T L H T A E L I K G E R D P M A Y E A L A G Q G F S R V C T S P L K R S A E T A E I I M G S R E S E MI F R M K D L P L H A I Y S S P S L G R T M Q T A A E I A S P D M A Y E A L A G Q G F S R V C T S P L K R S A E T A E I I A E A W G M P P P M A Y E A L A G R S V C T S P L K R S A E T A E I I A E A W G M P P P M A Y E A L A G R C G G G G R S R V C T S P L K R S A E T A E I I A E A W G M P P P M A Y E A L A G R C G G G G R S R V C T S P L K R S A E T A E I I A E A W G M P P P M A Y E A L A G R C G G G G R S R V C T S P L K R S A E T A E I I A E A W G M P P P M A Y E A L A G R C G G G G F S R V C T S P L K R S A E T A E I I S E M T G I P M R M Y V S S P L G R T M Q T A A E I S E M T G I P M R M Y V S S D L G R T M Q T A A E I S E M T G I P M R M Y V S S D L G R T R E T M Q R L R A A F D G P L P E V E L M I S E M T G I P M R M Y V S S D L G R T R E T M Q R L R A A F D G P L P E V E L M I I S E M T G I P M R M Y T A K I I S E M T G I R T T T T T T T T T T T T T T T T
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L L V R H G E T E W S V S G Q H T S F T D L P L T E R G E Q Q A K S L A P J J I R H G V T E W N Q L G K L Q G V T D I P L S P E G I E Q A K L L A E J I R H G V T E W N Q L G K L Q G V T D I P L S P E G I E Q A K L L A E J I R H G S D G N V Q R M F C G F K D V E L T K K G L Y Q A E R L A G R J I R H G Q T V W H A E N R Y A G V S D I D L T D T G R A Q A E A L A G R J I R H G Q S T A N A R R I W Q G Q L E F P L S E E G R L Q A R H A G R J I R H G Q S T A N A R R I W Q G Q L E F P L S E E G R L Q A R H A G R J I R H G Q T S W S T A N A R R I W Q G Q L E F P L S E E G R L Q A R H A G R J I R H G Q T S W S T A N A R R I W Q G R L D L Q L T P A G D E M A K D F A G T S W S T A N A R R I W Q G R L D L Q L T P A G D E M A K D F A G T S W S T A N A R R I W Q G R L T P K G I A D A K A L G R I T F R I V Q G R I D L Q L T P A G D E M A K D F A I T F R I V Q G R I D L Q L T P A G D E M A K D F A I T F R I V Q G R I D L Q L T P A G D E M A K D F A I T F R I V V R H G Q T E W N L K D Q M Q G S Q N S P L T E Q G V L G A K L T G S I T D L D L T D Y G I K Q M K A T G S I T C R T S T T D L D L T D Y G I K Q M K A T G S I T C R T S T T D L D L T D Y G I K Q M K A T G S I T C R T S T T D L D L T D Y G I K Q M K A T G S I T C R T S T T D L D L T D Y G I K Q M K A T G S I T C R T S T T D L D L T D Y G I K Q M K A T G S I T C R T S T T C R T S T T D L D L T D Y G I K Q M K A T G S T S T S T T D L D L T D Y G I K Q M K A T G S T S T S T T D L D L T D Y G I K Q M K A T G S T S T S T T D L D L T D Y G I K Q M K A T G S T S T S T T D L D L T D Y G I K Q M K A T G S T S T S T T D L D L T D Y G I K Q M K A T G S T S T S T T D L D L T D Y G I K Q M K A T G S T S T S T T D L D L T D Y G I K Q M K A T G S T S T S T T D L D L T D Y G I K Q M K A T G S T S T S T T D L D L T D Y G I K Q M K A T G S T S T S T T D L D L T D Y G I K Q M K A T G S T S T S T T T T T T T T T T T T T	UniRef90_F8A439	TLTLVRHGRTHFNARRILQGHSDSPLTRTGREGVRITAQ
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JIIIREISU WIGDOU FRUITI I TRIGGIS WSKSGQIIS II DEDELIDIGI K QMKAIGS  TIYVTRIGGIS WSKISG WSDTPLTKKGLDVA QDEGIS  JIIIREISO WYDLC CHARACH A GWSDTPLTKKGLDVA QDEGIS  JIIIREISO WYDLC CHARACH A GWSDTPLT K KGLDVA QDEGIS  JIIIREISO WYDLC CHARACH A GWSDTPLT DI DIVVA E C.P. C. A. A. I. C.E.  JOHN COLL WYDLC CHARACH A GWSDTPLT WA E C.P. C. A. A. I. C.E.  JOHN CHARACH A GWSDTPLT WYDLOG CHARACH WYN WYDLOG CHARACH WYN WYN WYDLOG CHARACH WYN WYN WYN WYN WYN WYN WYN WYN WYN WYN	UniRef90_X2H1F6	LYLIRHGQTEWNLKDQMQGSQNSPLTEQGVLGAKLTGQ
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UniRef90_L0MB31 UniRef90_M2RUN5 UniRef90_R2HER3 UniRef90_R2NSU0 UniRef90_G0PRN3	HYLQAVPFDAITYSSDLRRTQKTAQLLAEAANLNLTIHY MAALKDTTLTQIFSSPSGRAMTTAQ ALAAHCKCVVRS GKVIDPSNVCTVYVSPRKRAHRTFHLLFDHLPELPRHVIT SYQNLPWTAVFLSPMKRTLATANPLCDVVGL EMQF ELKDVPFEKIYTSTLKRAYLTAEGINNQLTQ PTEIVR VLVSRGP VQAVVSSPLRRARQTAEAAARRLDL EVQI
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LRLDNC

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GGLDNASLTVIE

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FALHTGTAGTLG TEHGRPVITSW

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PNASP VRFDSDGEIWR MVALDPD

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IUNIKEISU C/XVVQ4 ILIYIL VIK 🗖 G Q I FILIN I F 🗖 KILIQ G WII ID S GILII EILIG K K Q A II IA I	A R G E
IUNIKEISU C/XVVQ4 ILIYIL VIK 🗖 G Q I FILIN I F 🗖 KILIQ G WII ID S GILII EILIG K K Q A II IA I	
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UniRef90_UPI0002492E1B	G K G P
UniRef90_J9YRP2 KFYLVRHGKTQWNLEGRFQGNGDSPLLEEAIEELEEL	Ğ Q A
UniRef90_LOQJM8  TVILIRHARSTSNTTGVLAGRSDVDLDEKGREQAAGL UniRef90_R2QDA3  TTFYFVRHGETELNRQRRFNGATDSPLTKEGVEATERL	D
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UniRef90_R5T022  LYI MR H G K T D WNI Q R K L Q G R T D I P L N E E G R Q M A K Q A UniRef90_L8PAK5  R V I L WR H G Q T S WN V E R R F Q G T T D V P L A E T G V S Q A R R A UniRef90_V5RRZ7  P M Y I F R H G Q T E D N A N F I F S G W R D S A L T E E G K E Q A L E L	K E A R
UniRef90_V5RRZ7	٩K
UniRef90_UPI0004757036	A A G E
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UniRef90_X0SSS9 RLILVRHGETDTNKARLALGQADVELNEHGRWQAQRLUniRef90_UPI000287A3EC RIYFTRHGETEWNKEGTLQGQMDSPLTENGLRMGKIL	HE
UniRef90_B1MY69 TKFYFVRHGQTEWNLERRFQGNGDSELLPSSYDDMUKV	G E G E
TUNIKE190 UP10003/566FC	Y E A P
UniRef90 12FO27	F E A A
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UniRef90_C6HYX3   I V L V R H G A T L W S E S G R H T G R T D L P L T E L G I E Q A Q A L UniRef90_M2SDK1   P T I Y L A R H A E T V F N A N A R M Q G N A H T P L T R S G I A Q A E A M	3 E
UniRef90_A0JWB7	G D G E
UniRef90_UPI00046A83DE	A E G L
UniRef90_S6CXH2 TRFWLIRHALVEENARM <mark>C</mark> MYGAMDVPL <mark>C</mark> PDSLIAQRPM UniRef90_UPI00036E6BE4 TRLLLRHGQTELSVDRRYSGRGDVALTDLGVRQAEAA	Y R A K
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UniRef90 J8E6A5 KIFLVRHGQTEGITMGRMESRKDSPLTNMGIQEIKSL UniRef90 UP10002E63AAD TTIGIIRHGSTDWNKEGRAQGNSDISLNEEGMAQAKQL	ΓR
UniRej90_R6ZBE9  KLYVVRHGKTTWNEKGLLQGSTDLELNDVGIKEANDL	ŘÎ
UniRef90_UPI000219730E Q   Y L V R H G R T W F N R Y N K M Q G W S D T P L A P E G L E V A K Q A UniRef90_R2PU09	X K
UniRef90_UPI0002886ECB	V E A Q
UniRef90_S0K0U8 T   V L V R H G E S T L N L G R L F L G Q A D T P L T Y Q G V Q Q A L A C UniRef90_A8YWY1 R L Y L V R H G Q T Y L N R Y N K M Q G W C D T P L T T A G L E G A E E A	ΓS GK
	(/ ID
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UniRef90_H3AT49 UniRef90_I7JGY7	- GIL IK A F KIVIT F D AIVIY S S D S G R AIVIF L A NIL IA IL IK N S G D F D K NIL IK L
UniRef90_UPI00047EDC7E	F Y K DILIS D K KIV L VIS NILLIR A Q F T A D ILLI I I I I I I I I I I I I I I I I
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UniRef90_D2BSD9 UniRef90_D5UIF9	WLIMESEVIDPDAFWVISHWGRARQTAELLLYPEA SWILT
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UniRef90_UPI0003826734 UniRef90_A6C4H5	REGS F PEA EILRES PMQRCQETES PWLNTLPKASQKLVH
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UniRef90_T5K3D2 UniRef90_A0PRB0	RIL VIGAHIVI LI II VICI SPILIGRAMRT AII II ADRII GAELI E ALNELELDNPL VISSPRKRTII ATAF II AGIIT VIDT VI
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JniRef90_V5FWA4	D K <u>L L                                </u>

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

G Q G R Q G R Q G G T R G P H D R R E W G L G G E G G G S Y Q R V R E

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N F Q K E Y C N S C Y A L D

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Y N V P P
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WF I P Y D K I F E Y S I Y D

L K C P L H I I F K L T P L A Y G C K V E S I Y L N I E A

T G L K N A S V S K I T Y K D G

F K I E N A R I C E I E V I D G F P I I N K L N Y G D

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D K L D N A S L T I I E T H D

R H M D N S S I S K I I Y E D G N F K V

I T A D P G S V S V V R Y T Q L R P F V L H

A P F A N A S V T I A H T E G D

I V A D P A S I T A I R Y T

A G I P N C K L M K L

L G L S N C C W S V L

V E T P L A

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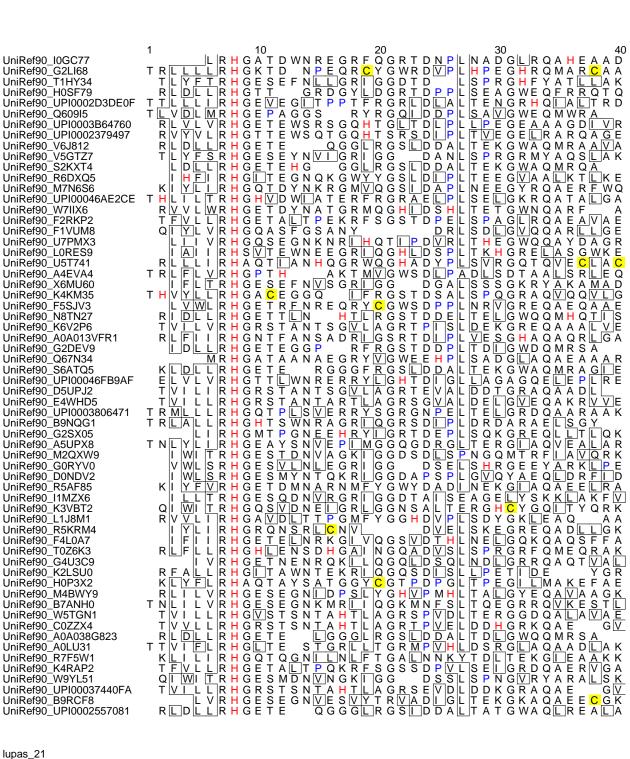
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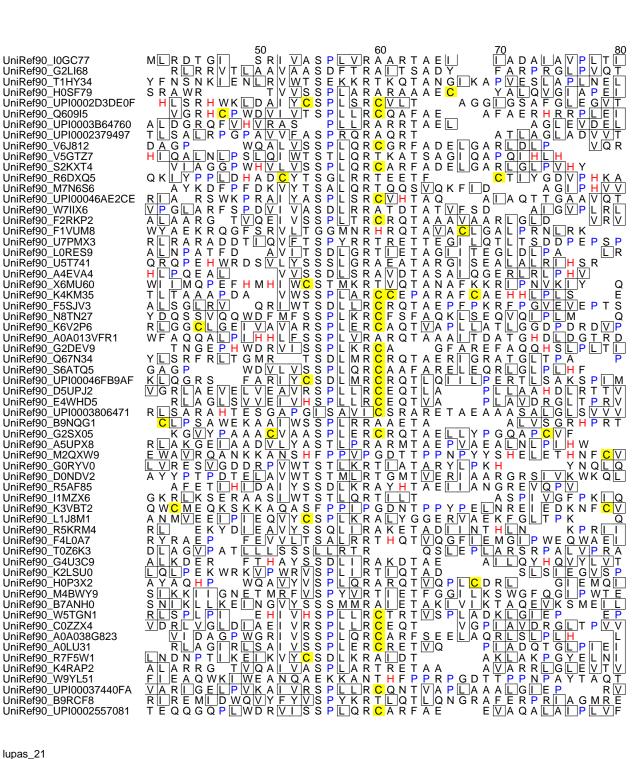
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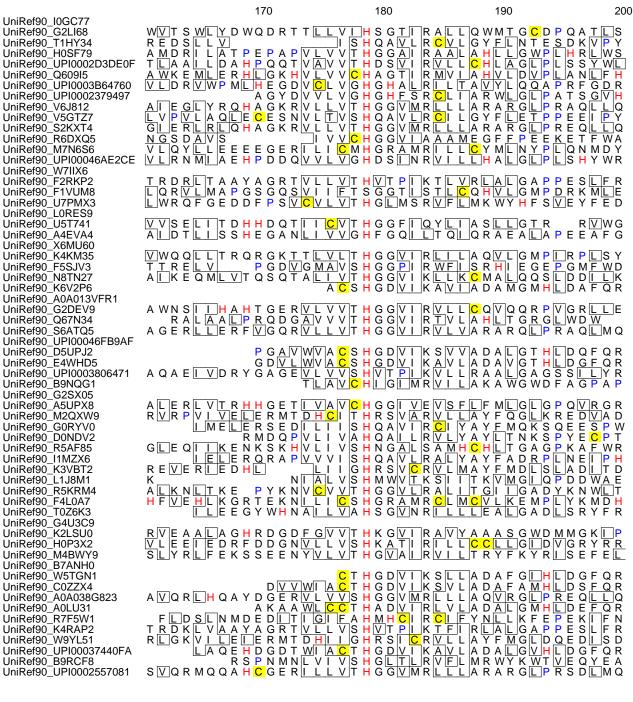
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I V A E P A S V S V I R Y T A T L P F V
V V V G H G A L L S V Q V A A G G
L I I D P C S V S I V R Y T
L K I E N C E P Y V I E R M H D K T F K L T S H N L D D
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210

220

230

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