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UniRef90_I3R9V5 UniRef90_F2G760 UniRef90_R7CBZ8 UniRef90_UPI0003B45A28 UniRef90_UPI0003B45A28 UniRef90_UPI0004686D0F UniRef90_K4Z8Y7 UniRef90_A9BFY3 UniRef90_A9BFY3 UniRef90_UPI0002FFECB2 UniRef90_B7K129 UniRef90_I6UJY8 UniRef90_I6UJY8 UniRef90_I6UJY8 UniRef90_K9SLN0 UniRef90_K9SLN0 UniRef90_A4XZU0 UniRef90_A4XZU0 UniRef90_A7HLY3 UniRef90_UPI000379B9D4 UniRef90_UPI000379B9D4 UniRef90_UPI0003681FA6 UniRef90_UPICEP0 UniRef90_UTLEP0 UniRef90_MNG72 UniRef90_MNG72 UniRef90_D7UXE6 UniRef90_D7E2S2 UniRef90_UPI00035DE18A UniRef90_UPI00035DE18A UniRef90_UPI00035DE18A	Y N D G N G H G I H V A G I I A A Y D N N E G V G V Y P P G V N M H V K I P Y Y T D I T G H G S A V A G I I A A E K N G K G I T G I N T N V E L Y S A R V D P S D D H G H G T H V A G I I A A A A N N A T G A A G I C P G C A I L P V K V P E D E N G H G T Q V S G I A A A A N N A T G A A G I C P G C A I L P V K K V P E D E N G H G T Q V S G I A A A A N N G V G I A G I A WQ C R L M P L R A T R D V Q G H G T H V A G T I A S Y G S V S G V M R N A T L I P V K K V P Q D D N G H G T S V A G V I A A I G N N S G T T G I V W S A K I M P I K A D T D G H G T H T A G I I A A K D D G Q G V V G L A P D A K I M P I K I N V K D Y N G H G T H V A G T I A A M E N D M G V V G V A P K A G L L V L K V S S H G T H V A G T I A S F T S S G V L G V P P S A S S Y P S K A D P M D V D G H G T H V A G T I A A S F T S S G V L G V P P S A S S Y P S K A D D N G H G T H V A G T I A A S F T S S G V L G V P P S A S S Y P S K A D D N G H G T H V A G T I A A S T N N N Y G V A G I A Y Q A K I M P L K V Y E D G D G H G T H V A G T I A A N D S N G G I S G V A P E A S L L I V K V Y E D G D G H G T H V A G T I A A N D S N G G I S G V A P E A S L L I V K V Y E D G D G H G T H V A G T I A A N D S N G G I S G V A P E A S L L I V K V Y P D D N G H G T H V A G T I A A G G N N L G V V G V A P E A S L L I V K V V Y E D G D G H G T H V A G T I A A G G N N L G V V G V A P E A S L L I V K V V Y E D G D G H G T H V A G T I A A G G N N L G V V G V A P E A S L L I V K V V Y E D G D G H G T H V A G T I A A R D S N G G I S G V A P E A S L L I V K V V Y E D G D G H G T H V A G T I A A G G N N L G V V G V A P E A S L L I V K V V Y E D D N G H G T H V A G T I A A G G N N L G V V G V A P E A S L L I V K V V Y E D G D G H G T H V A G T I A A R D S N G G I A P D A S L Y A I K A D D N G H G T H V A G T I A A G G N N G T V G I A P D A S L Y A I K A D D N G H G T H V A G T I A A A D N N G T G M I G V A P T S T L H A G K V V D D N G H G T H V A G T I A A A D N N G T S G M I G V A P T S T L H A G K V V D D D N G H G T H V A G T I A A R P P G T G F V G L A P R A R V M P I K V V D D D
UniRef90_B3QT82 UniRef90_V5M4L4 UniRef90_I6V1Q5 UniRef90_A6GBM9 UniRef90_W9FTQ1 UniRef90_R8M5V3 UniRef90_M3FCX8 UniRef90_E4RPQ1 UniRef90_UP100037571A3 UniRef90_UP100037571A3 UniRef90_T0RZL4 UniRef90_T0RZL4 UniRef90_T0RZL4 UniRef90_UP1000423E906 UniRef90_UP1000423E906 UniRef90_S4NFI3 UniRef90_S4NFI3 UniRef90_S4NFI3 UniRef90_UP100047D05D8 UniRef90_UP100047D05D8 UniRef90_UP10003631A1D UniRef90_UP10003631A1D UniRef90_W4V8C3 UniRef90_W4V8C3 UniRef90_P80146 UniRef90_P80146 UniRef90_M1WVL4 UniRef90_UP100034984C9	D P F D E N S H G T A C A G I VA A T N N A K G V A G I A P D C K L VA L R V D G N G H G T H C A G I A A T N N K K G V A P Q A S I Y A V R V P D D H G H G T H V A S I A A G T N N K K G V A P Q A S I Y A V R V P Y D D H G H G T H V A G T I A A T D N R I G V A G V A H Q A K I M P L K V D T K D R V G H G T H V A G T I A A T E N N Q G V A H Q A K I M P L K V N Y S D M N G H G T H V A G T I A A T E N N Q G V L G V A P D A K L L S G K V N Y S D M N G H G T H V A G T I A A T E N N Q G V L G V A P D A K L L I V K V N Y S D M N G H G T H V A G T V A A S R E S G G A G V A P E A Q L L I L K V N V S D G H G T H V S G T I G A T D N S L G V A Q V S W A G E I L I L K V N V S D G H G T H V S G T I G A T E N R E G I L G I A P N V Q L M A V R A N Y E D N N G H G T H V S G T I G A R E N R E G I L G I A P N V Q L M A V R A N Y E D N N G H G T H V S G T I A A S L D G E G V V G V A P K A K L L S L K A D P M D D N H H G T H V S G T I G A A G H N S V G V A Q V I Q N A N I M A V K F D P L D G H S H G T H V A G I I A G K G R A M P V G V A P E C Q I I P V R V D V L D H H S H G T H V A S T V L G T G S A S E G L G V A P G A R L L V G K V N Y S D D H S H G T H V A G I V A A K K N N S S G V V G V A P R A N L Y A V K V D Y E D R H G H G T H V A G I V A A K K N N S S G V V G V A P N A N L Y A V K V D P C D D D G H G T H V A G I V A A A K N N S S G V V G V A P D A N L Y A V K V D P M D D D G H G T H V A G I V A A A K N N S S G V V G V A P D A S I L A V R V N A T D D Q G H G T H V A G I V A A R G S G V V G V A P D A S I L A V R V N A T D D Q G H G T H V A G I V A A R G N G I G I V G V A P D A S I L A V R V D N A T D D Q G H G T H V A G I I A G E K N G F G I T G V A Y N A K I M A V K F N P M D D T G H G T H V A G T I A A E N N G F G I T G V A Y N A K I M A V K F N P M D D T G H G T H V A G T I A A E N N G F G I T G V A Y N A K I M A V K F N P M D D T G H G T H V A G T I A A E N N G F G I T G V A Y N A K I M A V K F N P M D D T G H G T H V A G T I A A E N N G F G I T G V A Y N A K I M P V K V D L D N N G H G T H V S G I I A G E K N G F G V T G I A

QUERY UniRef90 F5L5P2	50 60 70 80 L G D A G S G Q Y S WI I N G I E W A I A N N M D V I N M S L G G P S G S A A L L D Q N G A G G L F E V I N G I I W A T D H G A K V I N M S L G D D E H S D L L
UniRef90_W4QHH8 UniRef90_W4BMG2 UniRef90_A4IN34	L
UniRef90_UPI00047BC493 UniRef90_H3SC94 UniRef90_C2ZHC0	L NADGYGT SIDVAKGI YWAVDRGAKVI NLSL GNYQPSSVL LDENGEGT SFEVARGI RWAVDNGAQVI NMSL GDYHSSFAL LDSTGSGTTYSVAEGI IWATDNGAKVI NLSL GNYVDGAFL LDKYTNGKYSTVVKGI DWAI EHNINI VLMSL GGKKESTFF FNGEEGANDFVI AQGI LYALEQGADVI NMSL GGYGESPLM
UniRef90_X2GRZ5 UniRef90_UPI00036193C8 UniRef90_T0B3T6	LIDS I GAGI I Y SIVIA E GIL I IWA I DHGANII I INMSILIGNYADAQFILI
UniRef90_UPI00030044F7 UniRef90_U1YI69 UniRef90_J8FX91	FGGGWGASDYTI AQGI LYAMEKGAKVI NMSLGGYFSSPLLLDKKENGKYSNI IQAI EWSLKNNLRI I SMSFGGYQKSDALIGSDGSGSSFDI AKGI IWAADHGASVI NMSVGNYHPSNVLLDRYANGKYSTVVKGI DWALEHKANI I LMSLGGKKESVFF
UniRef90_UPI000475210A UniRef90_UPI0004645F84 UniRef90_UPI000471F325	L S A Q G G G T V A D A E G R F A A D H G A D V N M S L G G P G E S K L M L D Q N G S G N L Q S L Q G D W S T N R M D L N M S L G T T A D S Q L L P K E G S G L S Y V A G L E W C R H K M N V A S M S L G N P R K P V A M M C C C C C C C C
UniRef90_UPl000364E7DA UniRef90_UPl0004717023 UniRef90_UPl00037695D5	L P K E G S G L I S Y V I A G L E W C I R H K M N V A S M S L G N P R K P V A M L G G D G G G T L S G I A Q G I E W S I D N N M D V I N M S L G G D F G S Q A L L D S S G S G Y L S D V I A G I D W A I T N Q M D I I N L S L G S P T D S P T L F N G S M G A Y D Y T I A E G I V Y S V D K G A D V I N L S L G G F M P S P L J
UniRef90_UPI0002F0D842 UniRef90_C6Q0J0 UniRef90_UPI00041ADBC1	L S D Y G G G T V A D I A E A I K F A A D N G A D V I N M S L G G G G E S Q L M
UniRef90_UPI0004704D65 UniRef90_E5WN85 UniRef90_UPI0003F88451	LKSDGDGTLSDVISGIEWSIKAAMNIINMSFGILDTSEAL
UniRef90_W2EBT3 UniRef90_Q46C21 UniRef90_UPl0004177F74	L N K D G S G Q Y E WI I N G I H Y A I E Q N A D I I S M S L G G P A D I P E L L N N S G S G S Y A G I A E G I E W S I N N G M D I I N M S L G G S Q S S S L M E A D G T G S E A K L G E G I R Y A V D H G A K I V V L S L G L N K Y S E Y M F D S E G D G Y L S T C I L G F E W A V N N N A R I I S F S G G S P E H D S L F L D K T G S G D L K S I L K A I D W S L Q H N I D I I N M S L V V S G D S Q I L Q D E D G S I N D V D M I K A M E Y F K E K G V K V V N M S L G G Y G Y D D N V L D N Q G S G T L D A V A Q G I R E A A D S G A Q V I S L S L G A P D G G T A L G D D R S V Y T S A V L R G I D Y A V D N H A D V I N M S F G S F Y N D P A V L N G E G S G A H D W V I G G I D Y A V Q Q G V D I S M S L G G P D D L P D L L D D K N Y G S Y S W W I S A I N Y A V N N G A K I I N M S V G G N S F S K G M
UniRef90_V2ZA94 UniRef90_R8H3U1 UniRef90_L5N7G7	QDEDGSINDVDMIKAMEYFKEKGVKVVNMSLGGYGYDDNV LDNQGSGTLDAVAQGIREAADSGAQVISLSLGAPDGGTAL GDDR SVYTSAVLRGIDYAVDNHADVINMSFGSFYNDPAV
UniRef90_UPI0003672A94 UniRef90_UPI00037016B8 UniRef90_K9PUK1	GDDR SVYTSAVLRGI DYAVDNHADVINMSEGAFYNDPAVLNGEGSGAHDWIGGI DYAVQQGVDIISMSLGGPDDLPDLLDDKNYGSYSWWISAINYAVNNGAKIINMSVGGNSFSKGMLGADGGGTISDIAEGIKFAADNGADVINMSLGGGGESRLMLSSFGGGTVADIAEAIRFAADNGANVINMSLGGGGESSIMLLSSFGGGTVADIAEAIRFAADNGANVINMSLGGGGGESSIMLLSSFGGGTVADIAEAIRFAADNGANVINMSLGGGGGESSIMLLSSFGGGTVADIAEAIRFAADNGANVINMSLGGGGGESSIMLLSSFGGGTVADIAEAIRFAADNGANVINMSLGGGGGESSIMLLSSFGGGTVADIAEAIRFAADNGANVINMSLGGGGGESSIMLLSSFGGGTVADIAEAIRFAADNGANVINMSLGGGGGESSIMLLSSFGGGTVADIAEAIRFAADNGANVINMSLGGGGGESSIMLLSSFGGGTVADIAEGIRWAADQGYDVINMSLGGGGGESSIMLLSSFGGGTVADIAEGIRWAADQGYDVINMSLGGGGGESSIMLLSSFGGGTVADIAEGIRWAADQGYDVINMSLGGGGGESSIMLLSSFGGGGTVADIAEGIRWAADQGYDVINMSLGGGGGESSIMLLSSFGGGGTVADIAEGIRWAADQGYDVINMSLGGGGGESSIMLLSSFGGGGTVADIAEGIRWAADQGYDVINMSLGGGGGESSIMLLSSFGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
UniRef90_UPI00034A590A UniRef90_I3R9V5 UniRef90_F2G760	L G A D G G G T I S D I A E G I K F A A D N G A D V I N M S L G G G G E S R L M L S S F G G G T V A D I A E A I R F A A D N G A N V I N M S L G G G G E S S I M L N G D G S G S G S D I A E G I R WA A D Q G Y D V I S M S I G A T S S S S V I F N D N G W T Y A S D L I D A I T Q C Q D A G S N V V N M S L G G G S S S T T E
UniRef90_R7CBZ8 UniRef90_I0I6I9 UniRef90_UPI0003B45A28	L
UniRef90_UPl0004686D0F UniRef90_K4Z8Y7 UniRef90_A9BFY3	YGGGGYLQNDDVAAAIVYAADNGARVINMSWGDTVNAFII LGDDGRGSLYGIQQGILYASSIGSDVINMSLGGGGGYNQGM LDARGYGDEDKLGAGILYAVDHGAKIVVMSVGLYRYSKYM FNPNYVGDYA VAAGIVWAVENGADILSNSWGGGGYSNLL
UniRef90_UPI0002FFECB2 UniRef90_B7K129 UniRef90_W3A936	L D K Q G M G Q T D WI I K A I K Y A V E W K V S I I S M S L G G P Q D D P A L L S A G G G T V A D I A E A I R F A A D H G A D I I N M S L G G G G E S Q V M L S D F G M G D V S D V L A G I Q W A L D Q K M D I I N I S I T T F T N S Q A I
UniRef90_I6UJY8 UniRef90_S5AS21 UniRef90_K9SLN0	IDENGDGVNUHU VEGUEYAVDDGADVINUSUGGPGDDDV
UniRef90_H2AHR6 UniRef90_A4XZU0 UniRef90_A7HLY3	LIGGNGSGKYEWI INGI NYAVEQKADI ISMSLIGGPSDVPEL
UniRef90_UPl000422D890 UniRef90_UPl000379B9D4 UniRef90_K9Y8H2	F D N G G WY D E Y T A K G I WA V N H G A K V L S N S W G G P G Y S Q L L D K N G S G R I S T I I A G D W C I S N R I N I I S M S L G G Q A T V P A K G F R G G Y L E D D D V S A A I V Y A A D N G A Q I I S I S W G D V T L A P L I L A D N G L G F N S D I I A G I N Y A V D N G A D I I N L S L G A S R A T P A I F D H N G S A F V S D I I L A I D W C V R A E L D I I N M S F G M Q T R S R A L L D Q G G S G Y L S D I V A G I D W S I T N K M N I V N L S L G T G D S S A L
UniRef90_E5YQ55 UniRef90_UPl0003681FA6 UniRef90_U1LEP0	F D H N G S A F V S D I I L A I D W C V R A E I D I I N M S F G M Q T R S R A L L D Q G G S G Y L S D I V A G I D W S I T N K M N I V N L S L G T T G D S S A L L D A S G S G D T E Q I A L G I K Y A V D A G A K V I N M S L G G S E S R T L
UniRef90_A7VM14 UniRef90_M0NG72 UniRef90_D7UXE6	FNDSGNWTNSN L LQA LQS <mark>C</mark> QNAGAK VVNMS LGGGSSNTTE
UniRef90_D7E2S2 UniRef90_F2R6N5 UniRef90_UPI00035DE18A	L DESGEGET DSI ALGI QYAIKQKADVI NMSLGGD YSPTLLDKSGSGSYANI ANGI RYAVDNGANVI NLSLGGNVSNNTLNDEKNSGKSDT MAEAIKWAVAKGAHVI NI SQDTT DADSPMLDSSGSGDEDKLGEGI VYAIEHDVKI VVLSVGLYRYSTYMGDEAPSTI DI AEGI YYAVDNGANI I NLSLGGA YSKYVFT ASGYSDDKDI ASAILYAAENDI QVLNMSFGDVTLSTVV
UniRef90_UPI00028A19E3 UniRef90_B3QT82 UniRef90_V5M4L4	GDEAPSTL DIAEGIYYAVDNGANIINLSLGGA YSKYV FTASGYSDDKDIASAILYAAENDIQVLNMSFGDVTLSTVV LNNQGSGTLDNVAKGITEAADSGAKVISLSLGASNGGTAL
UniRef90_I6V1Q5 UniRef90_A6GBM9 UniRef90_W9FTQ1	L N N Q G S G T L D N V A K G I T E A A D S G A K V I S L S L G A S N G G T A L L G A S G G G S Q S S D G T L G A S G G G S Q S S D G T L G A S G G G S V A S I A N A I R Y A A D N D A D V I N M S L G G P L P S R V M L D D E G Y G E D S G I L A G M E W A V A Q G A D I V N L S L G G P D T D P L E L G P N G S G A Y E W I I D G I N Y A V N W K V R V I S M S L S G P N D V P E L L S G E G G G E Y Q G I I D G M Q Y A I D W R V H V I S M S L G G P E D V E E L L N D R G S G N V S D L A A A I L Y A A G L D V D I I N M S L G K Y Y S D D A V S D D G D E R D V A A A I L Y A A G L D V D I I N M S L G K Y Y S D D A V S D D C D E R D V A A A I L Y A A G L D V D I I N M S L G K Y Y S D D A V S D D C D C D C D C D C D C D C D C D C
UniRef90_R8M5V3 UniRef90_M3FCX8 UniRef90_E4RPQ1	L G P N G S G A Y E W I D G L N Y A V N W K V R V I S M S L S G P N D V P E L L S G G G G F E D V E C L C N D R G S G N V S D C S A A C L D V D I N L S L G T S S D S S T L T S D S S T C T T T T T T T T
UniRef90_W8F1V3 UniRef90_UPI00037571A3 UniRef90_T0RZL4	I I GEGSGEYDWLDAINYAVEWRARVICMSTGGPNDVDEM
UniRef90_T0RBB8 UniRef90_I3IA42 UniRef90_UPI000423E906	MDKKGRGDLEKALKATKYAVENGATVINNSWGSLGHSELL LSDSGSGETIGAIKSIEYAIKNGANIMSNSWGGGERSEAL LAAMGAGLLENINAGVKFAVDQGADVINMSLGVSGGGLPH LSNEGYGQDSWLIEGMEWAA HNAKIVSMSLGGTEPSDGT
UniRef90_W5WUH5 UniRef90_S4NFI3 UniRef90_L9XW36	L A A M G A G L LE NI N A G V K F A V D Q G A D V I N M S L G V S G G G P H L S N E G Y G Q D S W I I E G M E WA A H N A K I V S M S L G G T E P S D G T L S R S G S G S L D G A L K S I D Y A T S M G A K I L S N S W G G G G Y S E T L L N K N G A G R D S H I I A G L E W C L K N N I H V A S L S L G S N G P S V A Y L G D D G S G R Y S E L I A G I D W C M S N D V E I I S M S L G G K T E S A T L L D S S G N G G Y Q N L I R A I D Y A L Q W K V R I L S M S L G G E T D D S A L L N Q D G G G S L S D V I A G I Q W A V D N N L K V L T L S L G T A A K K N Y Q L D S E G N G F N T Q T V E G L E Y A V D D G A D I I N L S L G G P G D A D D I L N N G G V G Y D S W V I A G M Q W A A E S G A D V V N M S L G F E A R T D V L L D R N G S G T L E N A L K S I D Y A T K M G A K V N N S W G G G F S S R I V
UniRef90_I9BXY5 UniRef90_UPI00047D05D8 UniRef90_J9YBX8	L D S S G N G G Y Q N L I R A I D Y A L Q W K V R I L S M S L G G E T D D S A L L N Q D G G G S I S D V I A G I Q W A V D N N I K V L T L S L G T A A K K N Y Q L D S E G N G F N T Q T V E G I E Y A V D D G A D I I N L S L G G P G D A D D I
UniRef90_UPI0003631A1D UniRef90_M4V8C3 UniRef90_K8GMX0	L N N G G V G Y D S W V I A G M Q W A A E S G A D V V N M S L G F E A R T D V L L D R N G S G T L E N A L K S I D Y A T K M G A K V M S N S W G G G G F S Q T L L G S N G G T Y N D V A A G I F Y A V N N G A R V I N L S L G G A F S S R L V
UniRef90_P80146 UniRef90_M1WVL4 UniRef90_UPI00034984C9	L DRNGSGTLENALKSI DYATKMGAKVMSNSWGGGGFSQTL LGSNG GTYNDVAAGI FYAVNNGARVINLSLGGAFSSRIV LDCNGSGSNSSVIAGLDWVTQNHVKVINMSLGG GASTAL LGDSGSGYYDSI SNGI RYAVDNGANI I NLSLGGKFPANNI LNDSGSGSYSAI ANGI YYAVNHGANVINLSLGGDFPNSTL

QUERY UniRef90_F5L5P2	90 100 110 120 K A A V D K A V A S G V V V V A A A G N E G S T G S S S T V G Y P G K Y P S V I Y D A V R Y A Y E H D V V L V A A A G N D N V D V P M Y P A A Y P E V L	ı
UniRef90_W4QHH8 UniRef90_W4BMG2 UniRef90_A4IN34 UniRef90_UPI00047BC493	Y D A I R Y A Y E Q D V V L I A A S G N D N V E D P M Y P A R Y P E V L H D A I K Y A F D R D I V L I A A T G N D N T E R P G Y P A A Y P E V F E E A I R Y A D A H D V V L V A A S G N D S T S Q P S F P A A Y P E V I H D A I K Y A D N H D V I L I A A S G N D N V S T P M Y P A R Y K E V L	
UniRef90_H3SC94 UniRef90_C2ZHC0 UniRef90_X2GRZ5	HDAVKYAFERDVVLIAATGNDN TKRPGYPAAYPEVFEEAMNKAYQKGILLISSAGNEGYKEGNT TYPAKYPSVVKDAVKQALDKGITIVAAAGNESTDEY SFPASYEGVI	
UniRef90_UPI00036193C8 UniRef90_T0B3T6 UniRef90_UPI00030044F7 UniRef90_U1YI69	E E A V Q K A I D A G I T V V A A A G N E A T D M Y S I P A S Y E G V I S V G A E S A I N K A H E K N I I L V A S A G N T G F F N E D T I T Y P A K Y K N V I H D A I K Y A F S K N V V M V A A S G N D H T S O P S F P A A Y P F V I	
UniRef90_J8FX91 UniRef90_UPI000475210A UniRef90_UPI0004645F84 UniRef90_UPI000471F325	E E A MN K A Y E K G I L L V A S A G N E G Y K E G N S T Y P A K F D S V M Q D A V N Y A Y N K G V V I I A A A G N E S R N S A S Y P A R Y P H V I S V S A H D A V D K A Y E Q G V L L V A A S G N D G N G K P V D Y P A A Y S S V V A T I I K R C Q D S G I T V V A S A G N A N S F M Q G E S N A S P I A V G A V D	
UniRef90_UPI000364E7DA UniRef90_UPI0004717023 UniRef90_UPI00037695D5 UniRef90_UPI0002F0D842	ATIIKRCQDSGITVVASAGNANSFMQGESNASPIAVGAVDEQASNNADDAGIVVIAAAGNSGTDFGGSTIAYPAQYDSVMHQAVDKAYNNGTLVVAAAAGNSGTDFGGSTIAYPAKYDSAI EEAVQYAIDSGAVVVAAAGNSGINGNGDTVEYPAKYDSAI EEAVQYAIDSGAVVVVAAAGNESTDEYAYPAAYPGVISVGNKDAIEYAHNKGVVVIAAAGNENQNSAAYPARYPHVIGVAA	
UniRef90_C6Q0J0 UniRef90_UPl00041ADBC1 UniRef90_UPl0004704D65 UniRef90_E5WN85	E N A I Q Y A R N K G S F I V A A A G N D N D C D N S S P A G E A G A Y K Q A V D N A Y A R G V V V V A A A G N S G S S G S S N T I G Y P A K Y D S V I K K E V D K A S R N G I L V V A A A G N H S N S S K T D N I D Y P A R L S S T V H D A L K A A V K K N I L V V C A A G N G D G D D S T D E F A Y P G C Y N E V I	
UniRef90_UPI0003F88451 UniRef90_W2EBT3 UniRef90_Q46C21	K Q F S DILIA Y E E GIL L V VIA A A N S G N R G G N N D T IVIG Y P A K Y D S IV I K D T IVIK Y A E D H D IV L L V A A T G N E A G T T MILIN K IV VIA A GIV V IPIV II A A G N D G D G S G T I T C P G D E ILIN S IL T IV	
UniRef90_UPI0004177F74 UniRef90_V2ZA94 UniRef90_R8H3U1 UniRef90_L5N7G7	H D A A D R A Y K K G L L L V A A S G N D G N K T S V Y Y P A A Y S S V I H K A M K A A Y D A G I T L I A A S G N D D T N K D S S P S S F K E V L Q E A V Q Y A W D K G A V I V A A A G N D G D S T P N Y P A Y Y D K V I Q E K L L E A Y D A G I T L V A A S G N E E T N V P A Y P A G Y P W V I A V G A	
UniRef90_UPI0003672A94 UniRef90_UPI00037016B8 UniRef90_K9PUK1 UniRef90_UPI00034A590A	Q E K L L E A Y D A G I T L V A A S G N E E T N V P A Y P A G Y P W V I A V G A H A A I Q R A V E A G V L V V C A A G N E G D A N E T T N Y G Y P G Y Y N E V I K D A V D N A H S N G V V I V A C M M N F N N G S S Y Y P A A Y A N T I A V G S Q E A I D Y A Y K K N V V V I A A A G N A N Q N G A S Y P A R Y P K V I G V S A K E A I N Y A N Q K G A V I I A A A G N S G S N A A Y P A R Y P H V I	
UniRef90_I3R9V5 UniRef90_F2G760 UniRef90_R7CBZ8 UniRef90_I0I6I9	E D A V Q Y A Y D K G V L L V G A A G N E G P C N D C V H Y P G A Y D E V I R N A M Q S F T D A G M L L V A A A G N D G N S A K S Y P A S Y D A V M H N A I K D A Y N A G I L L I A A A G N T S Q V E Y P A A Y E E V V E R A I Q Y A E A H D V I V V A A A G N A S T E P F Y P A A L P Y V I	
UniRef90_UPI0003B45A28 UniRef90_UPI0004686D0F UniRef90_K4Z8Y7 UniRef90_A9BFY3	E D A L A Y A D A H G C I L I A A A G N N G A VG S WY P A G L E T V I D E A C R T A V A R G T I V V A A T G N D Y R G S I S Y P A A Y S S V I E E I V N Y A E Q K G V L L I A A T G N D G T R Y G K I A V K Y P A A Y P T V L K D A F D Y A L T H N V V V V A S S G N F T T D Q H W F Y P S G F P G V I H K A V Q E A V A A N I L V V C A A G N G D G N D Q T D E Y A Y P G A Y E E V V	
UniRef90_UPI0002FFECB2 UniRef90_B7K129 UniRef90_W3A936 UniRef90_I6UJY8	QEVVKKAYDKGIVIIAAAGNANQN SASYPARYPKVII QEVVKKAYDKGIVIIAASGNDRANTKIKDVLFPARLISSVI	
UniRef90_S5AS21 UniRef90_K9SLN0 UniRef90_H2AHR6	ETVVDKAVSSGIVVAAAAAGNEGSSGSSSTVGYPAKYPSTIASAVDAATASGVAVIVAAGNGGEYEIGGLSPSSARSAITV REAIEYAHQKGVVIIAAAGNSSENA AAYPARYPHVV KEAVTNAVKSGVLVVCAAGNGDGDERTEELSYPAAYNEVI RNAMDAAYQNGVLVVAAAGNSG TSNLSYPASYDSVV	
UniRef90_A4XZU0 UniRef90_A7HLY3 UniRef90_UPI000422D890 UniRef90_UPI000379B9D4	EDAVESAWDNGI VVVAAGNSTSSQTFLYPANYPGI I QVA EDAVESAWDNGI VVVVAAGNEGPAERTI SSPGI SPKVI TV NDA <mark>C</mark> NYAYDLIGVISII I ASAGNEGGVIGIL Y PAALIDNVI	
UniRef90_K9Y8H2 UniRef90_E5YQ55 UniRef90_UPI0003681FA6 UniRef90_U1LEP0	HNAIQSATDAGILVVMGAGNSAGSTPDHPGAFAVEEGLVVLDIVGKANQAGVIIVASSGN DGKRRTADYPARYPQTIKQVVDKAYAQDILVVAAAGNNGADGSGDIVNYPARYDSAIGYMLKYAYDRGVVVVAATGNDGDS SLSYPASSKYTI	
UniRef90_A7VM14 UniRef90_M0NG72 UniRef90_D7UXE6 UniRef90_D7E2S2	R N A M N N F N N S G M L L V A A A G N A G N T S F S Y P A S Y D A V V R D A C A Y A L D E G V L V V A G A G N D S R E S V T Y P A K Y P S V L F Y M M K O A A A K N I P V S V P G A S K Y A L	
UniRef90_F2R6N5 UniRef90_UPI00035DE18A UniRef90_UPI00028A19E3 UniRef90_B3QT82	KIAIEYAGSNGVIVVMSAGNDGDSTPSYPARYANDSGIAVAKAIALALSKQIVVVASAGNDGMDGSLKKT YPAAFPGVLQUVQYAESKGVLLIAATGNDGAEAGKVAVKYPAAYPEVIDDAIQYAYNKGVIVVAASGNSSTSLRHYPAALTSVMSVAARDAVQYAYAQGVVMCASAGNDGTDEQHYPSSFDEVISLVA	
UniRef90_V5M4L4 UniRef90_I6V1Q5 UniRef90_A6GBM9 UniRef90_W9FTQ1	QQAIQYAWNKGAVIVA AAGNAGNTAPNYPAYYENVI DAAVNAAWDAGLVVVVAAGNSGPNKYTIGSPAAASK <u>VI</u> TV AKAVIYAHEKGVTVV <mark>C</mark> AAGNEKR SRVSYPAAYEGSV	
UniRef90_R8M5V3 UniRef90_M3FCX8 UniRef90_E4RPQ1 UniRef90_W8F1V3	A A V D K L S A E K G V L F A I A A G N E G D D A G T V G S P G S A D A A L T V H Q A V K N A V N N E I L V V C A A G N S G D N N H T T D E S Y P G A Y Q E V V H A V V K R A V D A G I P V V C A A G N E G D N K Y T N E Y A Y P G A Y G E V I R N A I N D A A A E G V I L V A A A G N N Q G E V I E E A I R Y A D Q K G V L L I H S A G N E N N D L D K T L Q Y P P N M I T V G A	
UniRef90_UPI00037571A3 UniRef90_T0RZL4 UniRef90_T0RBB8	HEALQHAVNQDVSVVVAAGNGDGDEETPEYAYPAAYTEVI ENYMKDAGKRGVVFVAAAGNNYKNLDESPLYPAARIPNQI KE <u>A</u> IVAAKDAGI LFVAAAGNNNNDSRPTYPASYDVENVIT	
UniRef90_I3IA42 UniRef90_UPl000423E906 UniRef90_W5WUH5 UniRef90_S4NFI3	D P M A Q A V N E T G A L F V I A A G N T G A E G L G S P G A A D A A L T V G A K Q A I E R S H Q A N T L F V A A A G N N N N D S N P T Y P A T Y D V P N V L S A S T I F R C Q N Q G I T V V V A A G N D F D N P F F P W V N C P A N S A S P I	
UniRef90_L9XW36 UniRef90_I9BXY5 UniRef90_UPI00047D05D8 UniRef90_J9YBX8	GRAIIDAAHSDGHILLLCAAGNEGNDGSDSCAAYPAIHENVV HDAIVRATGSGVLVV <mark>C</mark> AAGNTGQVERQ FPGGYNEVV QDAVDAATAAGITVVVAAGNNGPKESTINSPAIJSPNVIAV VSSAVDAATAAGVVVVAAAGNNGSYYDIIGKHSPASARTAI	
UniRef90_UPl0003631A1D UniRef90_M4V8C3 UniRef90_K8GMX0 UniRef90_P80146	D A V E N L S A Q H G T L F V I A A G N N A M T I A T P G N A E S A L T V G A V L D A I K R S N E A G A I F I A A A G N S N Q D N D A R P A Y P A Y D V P N I I T A A V R Y A T E N G V V V V M A S G N E G R S Q P S F P A N L A S N W G I A V D T A V M N A I N A G V T V V V A A G N D N R D A C F Y S P A R V T A A I T V A E S L E Y A N S M G V V V V M S A G N Y G E S K P C Y P G L D A D K W G L V V	
UniRef90_M1WVL4 UniRef90_UPI00034984C9	A É S L É Y A N S M G V V V M S A G N Y G E S K P C Y P G D A D K W G L V V A S A L D Y A S K K G V T V V M A A G N N G L P F V S Y P A A Y A N K S G I A V	

QUERY	130 140 150 160 AVGAVDSSNQRASFSSVGPELDVMAPGVSIQSTLPGNKYG
UniRef90_W4QHH8 UniRef90_W4BMG2	A V S A V D H L Q E K A A F S N Y G D Y I D V T A P G E H I P S L F P N D H Y V Y A A V N D K R N R A F F S N F G Y H I D V T A P G E H I P S L F P N D H Y V Y A V S A T D P D M S K A S Y S N Y G D Y V D V M A P G S S I A S T Y P N N Q Y A S V G A V D P D L S Y A L Y S N Y G D Y V D V V A P G T N I A S T F T G H R Y A T V G A V T E N R E R A F F S N Y G G H I D V T A P G E H I P S L F P N N N Y V A V S A T D A D D K R A S Y S N Y G N Y V D V V A P G T S I A S T Y P N N Q Y A V S A T D A D D K R A S Y S N Y G N Y V D V V A P G T S I A S T Y P N N Q Y A V S A T D A D D K R A S Y S N Y G N Y V D V V A P G T S I A S T Y P N N Q Y A V S A T D A D D K R A S Y S N Y G N Y V D V V A P G T S I A S T Y P N N Q Y A V S A T D A D D K R A S Y S N Y G N Y V D V V A P G T S I A S T Y P N N Q Y A V S A T D A D D K R A S Y S N Y G N Y V D V V A P G T S I A S T Y P N N Q Y A V S A T D A D D K R A S Y S N Y G N Y V D V V A P G T S I A S T Y P N N Q Y A V S A T D A D D K R A S Y S N Y G N Y V D V V A P G T S I A S T Y P N N Q Y A V S A T D A D D K R A S Y S N Y G N Y D T V D T V A P G T S I A S T Y P N N Q Y A V S A T D A D D K R A S Y S N Y G N Y D T V D T V A P G T S I A S T Y P N N Q Y A V S A T D A D D K R A S Y S N Y G N Y D T V D T V A P G T S I A S T Y P N N Q Y A V S A T D A D D K R A S Y S N Y G N Y D T V D T V A P G T S I A S T Y P N N Q Y A V S A T D A D D K R A S Y S N Y G N Y D T V D T V A P G T S I A S T Y P N N Q Y A V S A T D A D D K R A S Y S N Y G N Y D T V D T T T T T T T T T T T T T T T T
UniRef90_UPI00047BC493 UniRef90_H3SC94 UniRef90_C2ZHC0	SVGAVDPDLSYALYSNYGDYVDVVAPGTNI ASTFTGHRYATVGAVTENRERAFFSNYGGHIDVTAPGEHIPSLFPNNNYVAVSATDADDKRASYSNYGNYVDVVAPGTSIASTYPNNQYAAVGALNKNDTRGFLSSRGDELELMAPGVDILSTWKDGDYR
UniRef90_UPI00036193C8 UniRef90_T0B3T6	AVGALNKNDTRGFLSSRGDELELMAPGVDI LSTWKDGDYR SVGSTNDLNKLSSYSNYGPSVDVVAPGEEI YSTWHGSSFV AVSATDPDETRAEYSNFGDYI DVAAPGSSI ASTYPGSRYA TDSKNKLAEFSNYGPSVDLVAPGVDVYSPI YDYTKGSSFA SVGAVNKQKQRWFASSQGNKI DI MAPGEKI LSTSPKQKYT
	SVA AV D WQGKQAEFSNFGSHI DI SAPGVDI PSTYTQNHYA AVGV L DNKNQRGFLSSKGEQLEVMAPGVDI WSTWNNGDYR L DSAGNKAPYSNFGAGVDI AAPGGSDGGKI L QNTI DPRTA
UniRef90_UPI000471F325 UniRef90_UPI000364E7DA	A V S A T D P D E T R A E Y S N F G D Y I D V A A P G S S I A S T Y P G S R Y A T D S K N K L A E F S N Y G P S V D L V A P G V D V Y S P I Y D Y T K G S S F A S V G A V N K Q K Q R W F A S S Q G N K I D I MA P G E K I L S T S P K Q K Y T S V A A V D W Q G K Q A E F S N F G S H I D I S A P G V D I P S T Y T Q N H Y A A V G V L D N K N Q R G F L S S K G E Q L E V M A P G V D I W S T W N N G D Y R L D S A G N K A P Y S N F G A G V D I A A P G G S D G G K I L Q N T I D P R T A A V S A T N E N N Q L A S F S T T G N E V E F S A P G T N I T S T Y L H Q Y Y A R N G V I A P F S S R G S C V N E S N P V T C V A P G V S V E S T C L N N S Y T A V G A V D Q N N N R A S F S S V G N T L E V M A P G V N I E S T M P G N N Y A A V A A V D S S N N R A S F S S T G P K V E V S A P G V S I Y S T Y L N N G Y T
UniRef90_UPI00037695D5 UniRef90_UPI0002F0D842	AVA AVD S S N N R A S F S S T G P K V E V S A P G V S I Y S T Y L N N G Y T V D G G K K L S D S S N Y G A S V D V V A P G E N I Y S T A Y G S E S G S K F A L G P D G E K A P Y S N F G A G V D L S A P G G S D A G K I P E N K G V G V F M T V S A I N P S Y M K A Y F S D Y G N S V K I A A P G V Q I V S T V P G N K Y E
UniRef90_UPI00041ADBC1 UniRef90_UPI0004704D65	A V G A V D S N S N R A S Y S S V G S E L E V M A P G S G V Y S T Y P S N T Y A A V G G V G K N L K K A S F S S L G K E L E F T A P A V D L L S T Y L G N Q Y A S V G A V N L E R D S S E F T N S H N E L D L V A P G E E L L S T F L N G K Y A
UniRef90_W2EBT3 UniRef90_Q46C21	A V A A V D Q N N N R A T F S S T G P A V E I S A P G V S I L S T T P G N N Y A S V G G V D A N K Q K S P L S N F G P E L D I V A P F D V Y T T W M G G V Y D G A T D S S D A I A D F S S R G P V T A V B F S A P G V S I P S T Y P G D G Y A A V S A T N E K N Q L A S F S N T G T A V E F S A P G T S I I S T Y V N R K Y A
UniRef90_V2ZA94 UniRef90_R8H3U1	SVNSSDSDNQTSYFSNYGFTSDISAPGSSVPSTVPGDRYV SVASTDQYDQKSYFSTYGKWVDVAAPGSNIYSTYKGSTYR TDTTSSSPR HAPFSNIGSHIDVAAPGVDIFSTSYDGTYG
UniRef90_UPI00037016B8 UniRef90_K9PUK1	SVGSVNLALQASAFSNSNNEVDL VAPGEGI FSTYPGGGYA TDSNDERTNNSTSGSNYGVHIDVIAPGNYI YYSSDTNYNG IDAAGTKAPYSNYGAGVDLTAPGGSESGGI LQETIDPSSG
UniRef90_I3R9V5 UniRef90_F2G760	A V S A T D P D E T R A E Y S N F G D Y I D V A A P G S S I A S T Y P G S R Y A A T D P D E T R A E Y S N F G D Y I D V A P F G S K I Y D Y T K K G S K F A T D S K N K L A E F S N Y G P S V G P N V A P G V D V Y S P I Y D Y T K K G S K F A T S V G A V N K Q K Q R W F A S S Q G N K I D I N A P G S K I L Q S T Y T Q N H Y A R A V G V L D N K N Q R G F G S G S H I D I S A P G V D I L W S T Y N N G D P R T A A V G V L D N K N Q R G F G S S K G E Q L E V M A P G V D I L W S T Y T U D P R T A A V G V L D N K N Q R G F G S S K G E Q L E V M A P G V S V I L Q Y Y A T A V G A A T N E N N Q L A S F S T T G N E V T C V M A P G V N I L E S T C L N N N S Y Y A A V S A T N E N N Q L A S F S T T G N E V T C V M A P G V N I L E S T C L N N N S Y Y A A V G A V D S S N N R A S F S S T G P K V E V S A P G V N I L Y S T Y L N N N G Y T A Y G G S C G K K L S D S S N N R A S F S S T G P K V E V S A P G V S I L Y S T Y L N N N G Y T A Y G G G K K L S D S S N N R A S F S S V G S E L E V M A P G S G V Y S T Y P G N K Y A A V A A V D S S N R A S Y S S V G S E L E V M A P G S G V Y S T Y P G N K Y A A V G G V N L E R D S S R G S V D D V V A P G E S G V Y S T Y P G N G V Y A A S V G G V N L E R D S S R G S V D D V V A P G G S D D G V Y S T Y P G G D N Y A A V G G V D L S N S N R A S Y S S V G S E L E V M A P G S G V Y S T Y P G G N K Y A A V G G V N L E R D S S R G P V T K D L I S A P G V S I L L S T T P L N G G V Y A A S V G G V D L N N N R A T F S S T G P A V E I L S T F L N G N M Y A A V G G V D L N N N R A T F S S T G P A V E I L S T T Y P G G D G Y A A V G G V D L S N S N R A S Y S S V G S E L E V M A P G S S N I Y P S S T Y P G G T Y G A S V G G V N L E R D S S R G P V T K A V A A P G S S N I Y P S S T Y P G G G Y P S T Y P G G G Y P S T Y P G G G Y P S T Y P G G G Y P S T Y P G G G Y P S T Y P G G G Y P S T Y P G G G Y P S T Y P G G G Y P S T Y P G G G Y P S T Y P G G G Y P S T Y P G G G Y P S T Y P G G G Y P S T Y P G G G Y P S T Y P G G G Y P S T Y P G G G Y P S T Y P G G G Y P S T Y P G G G Y P S T Y P G G G Y P S T Y P S N Y G
UniRef90_UPI0003B45A28 UniRef90_UPI0004686D0F	A V G A T T D Q D V L WP L S N T G E Y I D L T A P G H R I Y S T F L S P E Y A S V A A L G K E K Q L S G I S N F G A T I D I A A P G E E I L S T D L N G G Y Q A V G S V T S N R T R S A F S N Y G S G L E I MA P G S G I Y S T Y P N N Q F R
UniRef90_A9BFY3 UniRef90_UPI0002FFECB2	GATDSSDALADFSSRGPVTKPDLSAPGVSI PSTYPGDGYA AVSATNEKNQLASFSNTGTAVEFSAPGTSI I STYVVNRKYA SVNSSDSDNQTSYFSNYGGFTSDI STYVPGDRYV SVASTDQYDQKSYFSTYGKWVDDVAAPGSNI YSTYKGSTYR TDTTSSSPR HAPFSNLGSHI DVAAPGSNI YSTYPGGGYA TDSNDERTNNSTSGSNYGVHLDVI APGEGI FSTSYDGTYG SVGSVNLALQASAFSNSNNEH DDVI APGEGI FSTSYDGTYNG IDAAAGTKAPYSNYGAGVDI TAPGGSSSGG LQETLDPSSG GVSATAPSNAKAPYSNYGAGVDI TAPGGSDI TSTLI GGGYR SVSSTNPDDDLSEFSSTGPEVNI AAPGSDI TSTLI GGGYR SVASTNPDDDLSEFSSTGPEVNI AAPGSDI TSTLI GGGYR SVAAVDSNENRASYSQYNDQVEI AAPGGKI ASTGGYEGIL AVGATTDQDV LWPLSNTGEYI DL TAPGGEKI ASTGGYEGIL AVGATTDQDV LWPLSNTGEYI DL TAPGGEKI ASTGGYEGIL SVAAAVGSSTSNSNFGATI DI AAPGEEI LSTDL NGGYQ AVGSVTSNRTRSAFSNYGSGLEI MAPGSGI YSTYPNNQFR AVGSVTSNRTRSAFSNYGSGLEI MAPGGEI LSTYL KGKFA SVAAALGKEKQLSGI SNFGATI DI AAPGEEI LSTYL KGKFA SVSAL DPAGKKAPYSNYGAGVDI SAPGGVONI I STYL KGKFA SVSAL DPAGKKAPYSNYGAGVDI SAPGGVI VSLYSTYPNNQFR AVGSVNLRGGU SEFSNTNDKI DLVAPGEENI LSTYL KGKFA SVSAL DPAGKKAPYSNYGAGVDI SAPGGVI VSLJAI GESYTT GVSATLARGSAFSSNSSFGKPELNAAPGGNI YSLAI GGSYYG SVEPNGRESSNSSSFGKPELNAAPGGNI YSLAI DPATGGYYG
UniRef90_W3A936 UniRef90_I6UJY8 UniRef90_S5AS21	A V G S V S P L N K L S Y F S N Y G P N Q E L V A P G E N I K S T S T Q D D Y F A V G A V N S S N Q R A S F S S A G S E L D V M A P G V S I Q S T L P G G T Y G G S V E P N G N I S S F S S N S S F G K P E L A A P G G N I Y S L A L G E S Y T
UniRef90_K9SLN0 UniRef90_H2AHR6 UniRef90_A4XZU0 UniRef90_A7HLY3	GVSATGPNGEKSFYSNYGAGIDIAAPGNTIDPQTGQSIFA AVGSVSIARKSSEFSNANKEIDLVAPGENILSTLPNHKYG SVAAVDSSGNHASFSQYNSQVEVAAPGVGVRSTLPGNRYA AAEFNGGNVKTAYFSNGSPMITVAAPGRDILSTMPGGYYG GAGRSDDAVASFSSRGPTVDPDLVVPGVNIISLRSPGYYT SVTAVDSNLKIGSFSSYGEGODLCGPGLSIYSTYLHNEYK
UniRef90_UPI000422D890 UniRef90_UPI000379B9D4 UniRef90_K9Y8H2	GAGRSDDAVASFSSRGPTVDPDLVVPGVNIISLRSPGYYT SVTAVDSNLKICSFSSYGEGIDLCGPGLSIYSTYLHNEYK GALNQEGDLASFSNQAGELPQDVTAPGVDVVSTVPNDNFA
UniRef90_E5YQ55 UniRef90_UPI0003681FA6 UniRef90_U1LEP0 UniRef90_A7VM14	S V T A V D S N L K I C S F S S Y G E G L D L C G P G L S I Y S T Y L H N E Y K G A L N Q E G D L A S F S N Q A G E I P Q D V T A P G V D V V S T V P N D N F A S V G A T D R H R K I P A F S N R G Q F V D I Y A P G D K I V S A W L Q G K Y H A V A A L D S A N Q R A S F S A T G A Q V D I V A A P G D K I V S T Y L G N Q Y V S V G A T N T F G I V S D Y S N H G Y G V D V V A P G T K V A S L V P N G N V V S V A A V N S S K N L A S F S Q R N S Q V E I S G P G V N V A S T W N N G G Y N A V S S T T K D D T L S N F S N A G P E I E L A A P G S D I Y S T V P G G Y G A V G A T N P F G I I A D Y S N K G M E L D V A A P G S K I P S T V P N G N I Q G A V N Q N N Q L T D F S N R S G S Q E I Y V T A P G E N I Y S T L P G N K Y G A V A S S D R N N E R A A F P R S N Y G P F V D V V A P W R V Y T T A L G G G Y T
UniRef90_M0NG72 UniRef90_D7UXE6 UniRef90_D7E2S2	A V S S T T K D D T L S N F S N A G P E I E L A A P G S D I Y S T V P G G Y G A V G A T N P F G I I A D Y S N K G M E L D V A A P G S K I P S T V P N G N Q G A V N Q N N Q L T D F S N R S G S Q E I Y V T A P G E N I Y S T L P G N K Y G
UniRef90_F2R6N5 UniRef90_UPI00035DE18A UniRef90_UPI00028A19E3 UniRef90_B3QT82	A V A S S D R N N E R A A F S Q S G T F V G V A A F G V D V V S T V P G G G Q C A V G G T A D L K T A E P R S N Y G P E V D V V A P W R V Y T T A L G G G Y T I D T A S K S A N Y S N Y G N W V T I A A P G T D L L S T V P T S M A S N P Y G T T Q A D Q L A Y F S S Y G L T V D L G A P G S G C P T T L P Y Y D G N Y T D
UniRef90_V5M4L4 UniRef90_I6V1Q5 UniRef90_A6GBM9	AVAST DSNDEKSSFST YGT WVD A A APGS NLYST Y KGNS Y QGAVDKY DVITSFSSRGPGN WILAARASGT SMGQPLNDYYTAVAAT DWSGKRTFYSN WGKQLDISAPGGDTRSDKNGDGYL
UniRef90_W9FTQ1 UniRef90_R8M5V3 UniRef90_M3FCX8 UniRef90_E4RPQ1	GAVDD KDKLADFSSGDGAILKPDVI APGVDI I AAILPPGGYA EVGAVDLNKKI APFSSSNNVDL VGPGVEI YSTYKNGTYA QVGAVDFNRRI ANFSNTNDEI DL VAPGVDI YSTFPGGKYA AVGAADQTGELAYYSSYGPELDFI APGGNI LISTYKNNSYQ
UniRef90_W8F1V3 UniRef90_UPI00037571A3 UniRef90_T0RZL4	SARLNDESLAADFSNFGKTQVDVFAPGHQI YSTLPGGKYG CVGAVDMELQLAPFSNTNKEVDL VAPGVDVLSTYIDNKFA TVAALNPENRMTGFSCYGPTVHI AAPGRNI I STVPNNKYK
UniRef90_T0RBB8 UniRef90_I3IA42 UniRef90_UPI000423E906 UniRef90_W5WUH5	GAVNQNNQLTDFSNRSGSQEILYVTAPGENIYSTLPGNKYGAVASSDRNNERAAFSQSGTFVGVAAPGVDVVSTLPGGGQCAVASSDRNNERAAFSQSGTFVGVAAPGVDVVSTLPGGGGCCAVGGTADLKTAEPRSNYGPEVDVVAPGWRVYTTALGGGGYTLDTASKSANYSNYGNWVTIAAPGTDLLSTVPTSMASNPYGDTASKSKSANYSNYGNWVTIAAPGTDLLSTVPTSMASNPYGDTASKSKSANYSNYGNWVTIAAAPGTDLLSTVPTSMASNPYGDAAADDAAAPGSSCOPTTLPYYDGNYTDAAAPGSSCOPTTLPYYDGNYTDAAAPGSNLYSTYKGNSYQGAVDKYDVITSFSSRGPGNWIIAAAPGSNLYSTYKGNSYQGAVDAASTDSNDEKSSFSTYGTWVDAAAPGSNLYSTYKGNSYQGAVDDKAATDWSGKRTFYSNWGKQLDISAPGGOTRSDKNGQPINDYYTTAVAAATDWSGKRTFYSNWGKQLDISAPGGVDTTAAAIPPGGYAAQVAAATDWSGKRTFYSNWGKQLDISAPGGVDTTAAAIPPGGYAAQVAAATDWSGKRTFYSNWGKQLDISAPGGVDTTYSTYKNRSYQGAVDDKNKKIAAPFSESNKNVDDLVQAPGVDIYSTYKNNSYQGAVDFNRRIANFSNTNDEIDLVAAPGGVDIYSTYKNNSYQGAADQTGELAYYSSYGPELDFIAPGGNILSTYKNNSYQGAADQTGELAYYSSYGPELDFIAPGGNILSTYKNNGGYYAAQVGAADQTGELAYYSSYGPELDFIAPGGNILSTVKNGGYYAAVGAADFSNFGKTQVDVFAPGGVDVVSSTYIDNKKFA
UniRef90_S4NFI3 UniRef90_L9XW36 UniRef90_I9BXY5	A V G A V D K R G T I A Y F S S R G T P V T C V A P G Y R V N S T I L G N S Y G A V T A M D E G D R L A S Y S S V G S A V D L L A P G T N V T S S T V D N E Y A G V G A V D L S K K L A P F S T M N K E L D V V A P G V E I V S T Y P G S R Y A
UniRef90_UPI00047D05D8 UniRef90_J9YBX8 UniRef90_UPI0003631A1D UniRef90_M4V8C3	T V G S V D K Q N N I S D F S S K G P V P E V L A P G V N I N S S N E G N N Y R T V G S V D K Q N N I S D F S S K G P V P E V L A P G V A I N A S A G N G M Y T D K Q D A G F S S V G P L A G T G G L K P D L T A P G V A I N A S A G N G M Y T S V A A II D N K G A K A S F S S Y G K R T V H I G A P G V N IV WS S T G G S Y A
UniRef90 M1WVL4	GALDSSDRLARFSNAGVNPLDFVIAPGVRLWSTTPNATYSGATTSTDYRASFSNYGR <mark>C</mark> LDLFAPGQSITSAWYTSSTATNGAVDQDNQLADFSNPGSNDIAYVTAPGVQVYSTIPNNEYDGAVDQNNNIADFSNPGLSQLAYVTAPGVNIYSTVPGDQYA

		170		180		190	200
QUERY	AYNGT	SMASPHV	AGAAA	LILSKH	PNWT	NTQVRSS	LQNTTT
UniRef90_F5L5P2 UniRef90_W4QHH8	F M S G T	S M A A P H V S M A A P H V	SGLAA	LIRSEN	PFIS	N R E V M D L N D D I Y Q I	. I R Q I A D I T N T S T
UniRef90_W4BMG2	ALSGT	SMASPHV	AALAG	LIRSLN	PDLT	N D D I Y Q I N T E V M D L	MRQSVI
UniRef90_A4IN34 UniRef90_UPI00047BC493	ALSGT VMSGT		TALAA AGLAG	LIRSVN	PRLT	N D E V R N I N K Q I Y R I	I I Q S A D I K K S S E
UniRef90_H3SC94	ALSGT	SMASPHV	Τ ΔΙΙ Δ ΔΙ	IIRSIN	PĞLK	N + F V Y + F I	MROSAT
UniRef90_C2ZHC0 UniRef90_X2GRZ5	LDSGT KFSGT	S M A A A H V S M A A P V V	AGVAS	LILEKN	PYLS	N Q K V R E I P H E V E A I N D Q M A D V	M N Q T A L L E M T A N
UniRef90_UPI00036193C8	ALSGT	S M A S P H V	A G L L S	LVKAAN	PNLT	N D Q M A D V	/ I RKTAR
UniRef90_T0B3T6	FILISGT	SMASPIVV	IA GIVIA SI	1 1 1 S K D	PINIIIIK	P Y (JIV IF VVII	L E R T A T L K K T T T
UniRef90_UPI00030044F7 UniRef90_U1YI69	SLSGT	S M A C P H V	IT GIL IA GI	LIRSLN	PSLK	NTE V MK I	L K K T T T M R Q A T R
UniRef90_J8FX91 UniRef90_UPI000475210A	L D S G T E Y Q G T	SMAAAHIV	VIGIVIASI	IIIFKD	RMMS	NOKILIRAII	L K K S A T L Q E S A Q
UniRef90_UPI0004645F84	TGSGT	SQATPHV	A A <u>M</u> F A	ĀLIKAT LLKQRD	PAET	NVQLRAD	MQKNII VI
UniRef90_UPI000471F325	K M S G T S L D G T	S M A C P H V S M A A P H V	IS GIL IA A I	LILIORY	PSILIT	PAQIVIKRII	ITRTAI
UniRef90_UPI000364E7DA UniRef90_UPI0004717023	S L D G T R L S G T	SMATPYT	TGILLA	LIKOON	PAIIT	N I E L RDK	LDQNVV
UniRef90_UPI00037695D5 UniRef90_UPI0002F0D842	RLTGT	SMASPVV	AAAAG	LLKSKY	PDLT	A F E I E Y I P D E I L E V	LEQTAT LKQSAR
UniRef90_C6Q0J0	AWDGT	S M A S P V V S M A A P H V S M A A P V V S M A S P H V	SGVAA	MVKAEN	PSVT	P S E M E D V	/ L D K S A V
UniRef90_UPI00041ADBC1 UniRef90_UPI0004704D65	TLNGT	SMASPHV	AGAAA	LILSKY	PTLS	ASOVRNR	R L SSTA <u>T</u>
UniRef90_E5WN85	TESGT	S M A T P F V S M A A P H V	SGALA	Likafi	RKLS	EPELYAC	QL TRRTV
UniRef90_UPI0003F88451 UniRef90_W2EBT3	AFNGT	S M A S P H V S M A A P O V	AGVAA	QIV W Q A K	PELS	NVELRNL SYEVADL	L NETAV L K Q T A E
UniRef90_Q46C21	YGDGT	SMAAPHV	SĞTVA	L į ËEKK	PTMT	PAEVKKE	LESTAV
UniRef90_UPI0004177F74 UniRef90_V2ZA94	SSSGT	S Q A V P H V S M A S P V V	A G M F A	LLKQMY	PAST	N S E L R R K P R Q V Y N I	(MQFFTS L <mark>C</mark> GTAD
UniRef90_R8H3U1	ŢĹŠĞŢ	S M A S P H V S M A A P Q V S M A A P H V S Q A V P H V S M A S P V V S M A S P V V	A Ğ L A A	LLLAN	KGYS	NSQIRQ	_I E D T A D
UniRef90_L5N7G7 UniRef90_UPI0003672A94	V G S G T T L S G T	S Y S A P I V S M A T P H V	SGALA	L L I S K H L I K E F E L I L D Q N	R T L T	P A D V E Y A E P E L Y A C	ALQASSD QLVRRTV
UniRef90_UPI00037016B8	YWGGT	SQATPLV	A GI CS	Μ̈́Ďον̈́	PNLT[VE ELRSI	LRDTAE
UniRef90_K9PUK1 UniRef90_UPI00034A590A	SFQGT	S M A S P H V S M A A P H V	IA GIVIA A	MII IK A A G	IV IF F	PAFIVION	LQQSAR
UniRef90_I3R9V5	A F S G T	SMATPHIV	SGVGA	ALÎEAA VLMAN	GAS	NTEARER	RILITSTAS
UniRef90_F2G760 UniRef90_R7CBZ8	ISSGT	S M A T P H V S M A A P H V S M A T P F V	A G G A A T G L A S	L V W S Y F L L W Q K D	P Q C S M S M S	N N Q R S A S E F R S L	NLNATAE .LKASAN
UniRef90_I0I6I9	YMSGT	SMATPFV	SGLAG	LLVSFN	PAWT	RDEVLNE	I TSGAD
UniRef90_UPI0003B45A28 UniRef90_UPI0004686D0F	H F S G T S L S G T	S L A A P H V S M A T P H V S M A A P Q V	AGVAA	LWVSAH	RNIS	N I E V R D V V A N A R T I	'LIATAG LRNTAQ
UniRef90_K4Z8Y7	AEEGT	SMAAPQV	AGVAA	LLWSQY	PELK	PYQIRQF	LRKTAK
UniRef90_A9BFY3 UniRef90_UPI0002FFECB2	V L S G T	S M S A P Y V S M A T P H V	AGAAA	LIKEK <mark>C</mark> LLANKW	/KQDY	GKDIKER	MI EVGAE
UniRef90_B7K129 UniRef90_W3A936		S M A A P H V S M A A P F V	A G VA	ALIKAS	G I K E	P S E V <u>L </u> K <u>V</u>	L K A S S R V N R A A V
UniRef90_I6UJY8	AYNGT	SMATPHV	AGAAA	IIISKH	PTWT	NAQIVIRDE	RLESTAT
UniRef90_S5AS21 UniRef90 K9SLN0	TESGT	S M A A P H V	SGAAA	LLKQAR	PTLT	P Q Q K S V P D E E Q L	L L Q S A R
UniRef90_H2AHR6	ŔĹŢĠŢ	S M A S P H V S M A A P H V S M A T P H V	SGALA	LÍKGÚE	Q D L S	EAEVYAG	L V R R T L
UniRef90_A4XZU0 UniRef90_A7HLY3	SYNGT	S M A T P H V S M A T P Y V	SALYA	L V W S Q H	R Q C T	PAQIIRRIV PWOIIRKII	/
UniRef90_UPI000422D890	SLSGT	S M A T P L C	A G V I A	LLLQKE	P D L T	PDEVKDR	R L T G V <mark>C</mark> E
UniRef90_UPI000379B9D4 UniRef90_K9Y8H2	NESGT	S M S A P F V S M A T P H V	A G C A G	LLLSQN	PLLS	N I E V Y N L	. I N L S C D
UniRef90_E5YQ55	EMSGT	S M A T P H V S M A T S H V S M A T P Y A S M A T P H V	SGTIA	LLLAQK	PDLK	TA	
UniRef90_UPI0003681FA6 UniRef90_U1LEP0	YMDGT	S M A T P H V	S A V V G	LLKQAN LLLSTR	PTLK	VEEVROL	LIGSAL. LI <mark>H</mark> RTAE
UniRef90_A7VM14	SISGT	SMASPHV	AGVAA	LVWSNH	PQCT	NTQLRNV	LNQTAE
UniRef90_M0NG72 UniRef90_D7UXE6	YMDGT	S M A T P H V S M A S P H V S M A S P H V S M A A P H V S F S A P Y V S M A A P Q V	AALVA	L <u>L K</u> GQN	K K I S	LASVRAC	LRMNAD
UniRef90_D7E2S2 UniRef90_F2R6N5	NYTGT	S M A A P H V	AGVAA	LMLSAN	PNLS	ESQVRD N	MI TSTAQ
UniRef90_UPI00035DE18A	SDEGT	S M A A P Q V	AAVAA	MIWSKY	PDMK	PYQIRNL	IIR QSAQ
UniRef90_UPI00028A19E3 UniRef90_B3QT82	SFAGT	SAAAPHA	AGAAA	LLISI	PFYT	PKOVRGI	<u>MME</u> YTSM .LVSTAD
UniRef90_V5M4L4	ŢĹSĞŢ	SMATPHV	A GVA A	ĻĻĀŤĶĠ	YTNT	PURQU	IEKRAD
UniRef90_I6V1Q5 UniRef90_A6GBM9	A A P G T WF Q G T	S M A T P H V S M A T P H V S M A S P H A	AGIAAI AGVA	L L L Q A H G L V V A S	GVTN	P D K V K T A P K E V E R [LIETAD MKNTAV
UniRef90_W9FTQ1	TISGT	SMATPHV	AGAAA	L L K Q Q H	PDWK	FAELKGA	LTASTK LIKRTA LVRRTM
UniRef90_R8M5V3 UniRef90_M3FCX8	SLSGT	S M A T P H V S M A T P H I S M A A P P V V S M A T P H V S M A T P H V S M A T P F V	SGALA	LIIKHD LIKNFA	RELT	EAELYAC	L V R R T M
UniRef90_E4RPQ1	ESSGT	SMAAPHI	SGLLA	L L LS D N	N S	ASEVKE	LEQASI
UniRef90_W8F1V3 UniRef90_UPI00037571A3	KLSGT	S M A A P H V	AGALA	L L I N F D	RSLV	E P E I Y A G	
UniRef90_T0RZL4 UniRef90_T0RBB8	V L S G T	S M S A P Y V S M A T P M V	AAAVA	LYKARF	PEAT	P D E L K T K F S D A K T F	MILETAV
UniRef90_I3IA42	FSTGT	SHAAPFV	Ă Ğ Ă V A	LLKSYA	RGLS	DNQVK HE	LKHTSD
UniRef90_UPI000423E906 UniRef90_W5WUH5	TMDGT	S M A T P H V	AGAAAN	ILSQRH	P D WT	GAQLKDA GVEMKEE	ALMSTTK
UniRef90_S4NFI3	ĽĶŠĢŤ	S MACPHV	Ă ĞÜÂÂ	LLTQHF	E K V P	ĂŠĒÜKRĀ	LI AATSÜ
UniRef90_L9XW36 UniRef90_I9BXY5	E A S G T	S V A T P F V S M A T P H V	I G V A A A	LVWETR	E E D G R T I T	PDPVRAL	_L GETAE D L <mark>C</mark> KRTS
UniRef90_UPI00047D05D8	<u>s</u> L s g t	S M A T P L V	A G C A A	L L WE K N	PEŢŢ	PEQVKNZ	DI TSHAL
UniRef90_J9YBX8 UniRef90_UPI0003631A1D	E M S G T	SMASPHV SMSAPHV	A G A A A A G A A A	L L <u>L Q</u> A R I L A Q O H	P A L Q S D W T	P E Q M K S II G Q Q II K D A	_L M S S A T \L M S S A F
UniRef90_M4V8C3	SFSGT	S M A S P H V S M A S A P H V S M A T P H V S M A T P H V S M A T P H V	S G V A A	LVWĞŸE	PSLT	ĀĒĒLKQĒ	ZIL TIA T A T
UniRef90_K8GMX0 UniRef90_P80146	AYSGT TISGT	SMATPHV SMATPHV	A G V A A A	L MIL S A N L Y L O W Y	PFLT	S G E V E T L P S Q V A S A	_L V Q T A N \ L L Y Y A T
UniRef90_M1WVL4	FΥSGT	S M A S P H V	AĞVVA	L M L N A N	SNLT	PDRVRQ	ŢĒĖĖŚ
UniRef90_UPI00034984C9	YYSGT	SMATPHV	A G V V A	LIMILISAN	RNLT	EGQII RQ L	ITNTA

QUERY	210 220 K L G D S F Y Y G K G L I N V Q A A A Q
UniRef90_F5L5P2	D L G P D P Y F G Y G R I N V Y Q A L D
UniRef90_W4QHH8 UniRef90_W4BMG2	D
UniRef90_A4IN34	D L GDDPHYGYG L I N V YRA L E
UniRef90_UPI00047BC493 UniRef90_H3SC94	D L G T P G D F G Y G K I D V A R A L
UniRef90_C2ZHC0	P L G A P F E Y G N G K V N I N D A L K
UniRef90_X2GRZ5 UniRef90_UPI00036193C8	N L G E K G Y Y G H G L I N P L K A L Q D F G K D A D Y G Y G Q I D V D
UniRef90_T0B3T6 UniRef90_UPI00030044F7	D L G E K G Y Y G N G L V N P V A A L Q
UniRef90_U1YI69	DVGEPGWYGYGIMDAPRALD
UniRef90_J8FX91 UniRef90_UPI000475210A	PLGNPFEYGNGKVDLSHALQ KVEEDNHYGAGQLNAGKAVQ
UniRef90_UPI0004645F84	DLGRDQQFGYGLIQ YKA
UniRef90_UPI000471F325 UniRef90_UPI000364E7DA	D
UniRef90_UPI0004717023	DLGRDPLTGYGLIQAQA
UniRef90_UPI00037695D5 UniRef90_UPI0002F0D842	D
UniRef90_C6Q0J0	DVGKDKYTGYGL VDAYKAI Q
UniRef90_UPI00041ADBC1 UniRef90_UPI0004704D65	Y L G S S F Y Y G N G L I N V E A A A Q D L G K D H Y Y G Y G F V Q A
UniRef90_E5WN85	P L G N S P K L G N G L V
UniRef90_UPI0003F88451 UniRef90_W2EBT3	N
UniRef90_Q46C21 UniRef90_UPI0004177F74	DLGKDNDYGSGRIDAYDAV DLGRDSLFGYGLI
UniRef90_V2ZA94	K <u>F</u> FDERQYGYG <u>V</u> VDAYAAVK
UniRef90_R8H3U1 UniRef90_L5N7G7	K L G T D N N W K Y G R V N A Y K A V Q L G E S N E Q G F G Q V N G T A A L R
UniRef90_UPI0003672A94	PLGTSPRFGNGLL
UniRef90_UPI00037016B8 UniRef90_K9PUK1	D A G W D Q Y Y G A G R V N A F N A L Q T I K D D N H Y G A G Y L N A G E A L R
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UniRef90_D7UXE6 UniRef90_D7E2S2	H V D N G T N S Q E
UniRef90_F2R6N5	R P G R D N H V G W G V V D P V R A L
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TUNIRet90_U6LG27	LVLKA
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UniRef90_UPI00036C9D34	V G I K <u>V</u> I S L R F M G C K F
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UniRef90 UPI0003825DFD DESHGTHVAGILIAARDNGIIGIIKGVANNVQII	MSIRA
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UniRef90_UPI000375D73F D D L N G H G T H V A G I I G A K N N N A G V T G I A S G A R L UniRef90_Q8RJP4 D G N G H G T H V A G T I A A N G T G V V G V N P S G Q L G L UniRef90_L1N1V9 D G C Y H G T F V A G V I A G Q G I G Q A L R G V Y P K A R V UniRef90_Q65JX1 P F D D L E H G T H V T G T M V G S P D G Q N Q I G V A P G A K W	HIVKV MIVRA

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UniRef90_R9C5L0 UniRef90_Q67RJ0 UniRef90_D1YVK3 UniRef90_C0GDG5	L D C D G S G T Y S D I A A G I E Y T A D Q G W D V C S M S L G G S Q S D V V I D S Y G S G S F E S L I N G I K Y A A D W K V N I I N M S L G G T Q T N D E L L D E T G S G Y T S W I L E G A Q W D P A N A P D V V N N S W G G G P G N E W F L G K D G S G S L D A I I A G L N Y A A K S D A K V I S M S L G S D E H S Q S M L N K S G S G S L S T V I E G I G W C V Q N K I R I I N L S L G S N A Y Q S H R L D D R G S G T Y S D I M L G I E Q A D D D A A E V I S M S L G G P V D D T A L
UniRef90_W0I9B0 UniRef90_M0H117 UniRef90_H0AB60 UniRef90_UPI0003B38F59	L D D R G S G T Y S D I ML G I E Q A D D D A A E V I S M S L G G P V D D T A L L S E G G S G A T S D I A D A V E WA A D Q G A D V I N L S L G G G G Y S S T M L E E S G S G N L D T I I S G I D Y A A N N S A D V I S M S L G G S T E Y T P L L N E A G S G S M Q G I J E A V R Y A V S W R V R V I S M S L G G P Q D V P E L
UniRef90_U3BZK0 UniRef90_W7AHT0 UniRef90_UPI00046257D0	UDGDNYGGSFHVIKALN <mark>VICILN</mark> KSPIINASWGSRNYDTNM FDDNGETSDDRILLDAAQWMPELAPRIINSSWGGSSQSEFF
UniRef90_K9V2Z3 UniRef90_A0YYI6 UniRef90_A0A022MS30 UniRef90_U5BK75	L G N E G G S S L S V A G G I R Y A V N N G A N V I N M S L G S N S P S S D I I T D Y L G D V D S L A S G I Y Y A V N N G A D V I N M S L G F D S Y S S F L N D A E N S G D S D T M A A A I T Y A V D R G A Q V I N I S Q D T T S A T S A L L G S V G A G L K G N I N N G I K W A V D Q G V D V I N M S L G I K N E G G G L
UniRef90_UPl000369A043 UniRef90_F4L0Y2 UniRef90_G8S904 UniRef90_L1PCN0	L G S V G A G L K G N I N N G L K W A V D Q G V D V I N M S L G L K N E G G G L L D N T G S G Q A S WI I A G M E W A A H S G A K I V S M S L G G T A S G P S D F S G R T S N S N L A N A I K F A V D H G A Q V I N N S W A Y D P S D T T L L D A N G N G Y D S D T A K G I V W A A D H G A N V I N M S L G G T D R S S A I V P D G D E Y D K D I A L A I R Y A V D N G A K V I N T S F G Y S P H K E W V M D D Q G S G S Y S W V S Q G I Y Y A V N N G A D V I N L S L G S D Y P N S T L
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UniRef90_R2S766 UniRef90_Q2FUI8 UniRef90_UPI0003724F30 UniRef90_G7WJX6	LIGADGY GS I S DAI LEAFA WGY A K GA RI LES NS WGA Y GLIDY ALL LIGDS GS GS MS QLI LAGME WAVA E K A DIV V NLIS LIGTY DS P D P A
UniRef90_Q5JEH9 UniRef90_L0ALV2 UniRef90_B7RTP5 UniRef90_I0L1H5	LGQDGGGTMTQIIQGLDYVVEWKKKVISMSLGSPFGSPMV GGGAGGCRASAIVEAIRYAADQEWDVINLSLGSRQTSPAL LGEGGVGTSYDVSQALRYAADAPADVINLSLGGGPFSSAE LDDNGSGYDSALIAGMEWAAHSGAKVVSMSLGGDGTDPMS LDAAGNGSTSDALKCIDYMVNLNLRVLNNSWGGGGFSQAL SDASGYPFVWYGFEGIKWAVDNGAKIINCSWGGYGYSRYE
UniRef90_G7FYD2 UniRef90_I6Z554 UniRef90_D7UWH1 UniRef90_D6K2S6	L D A A G N G S T S D A L K C I D Y M V N L N L R V L N N S W G G G G F S Q A L S D A S G Y P F V W Y G F E G L K W A V D N G A K I I N C S W G G Y G Y S R Y E E R S D G N L Y V S D I I A A M D Y A V K N K A A I V N L S L I T P F K S Q E M N D A E G D G T A K T L A D A I K Y A V G A G A G V I N I S Q D T A N P D S A L L D D D G Y G S Y S D I I A G L E W A A A Q N A D I V N L S L G G P G V D P V E
UniRef90_UPI00037BC734 UniRef90_W7IXV6 UniRef90_A4X4V3	LDDDGYGSYSDI TAGLEWAAAQNADI VNLSLGGPGVDPVELNDFGSGQESWI VAGMEWAVAQGADVVNLSLGGYDTPDPLTGDGLDGTAATLAEAIRAATDRGADI I NI STASLFPDETLCV SGGCAESSI LAGMQWAVEQGADVVNLSLGGPEVDPLE
UniRef90_C6WAY5 UniRef90_U6LG27 UniRef90_UPI00026267F7 UniRef90_UPI00036D7426	L D E N G S G D Y Q WI I D G I N Y A T D W K V R A I S M S L G G P Q D L P E L L G K C G G S V S D I A D G I V WA A A N P A K V I N M S L G G G A C T S A F
UniRef90_Q647R6 UniRef90_A3ZU35 UniRef90_L0JIW6 UniRef90_UPI00036C9D34	L S A S G S G S T A D A V R A L N Y A T D N G A N I T S M S L G G D T Q S S L T L L S A S G S G S T A D A V R A L N Y A T M M G V N V V N N S W G G G E Y S S A L L G S G G G S L S D I A D A V Q W S A D Q G A D I T N M S L G G G D A T N L M L N A Q G S G T M S T V D A G II N W A I Q N G I R I T N L S L G T S G S S D G T
UniRef90_Q8IHZ5 UniRef90_Q093R9 UniRef90_UPl00036A8074 UniRef90_T0RLD7	I D G K K Y G G S F H A I K A L N V C I L N K A P I I N A S W G S S H F D V N L L D S G G S G T L A D A V T C L D Y V A L H P V N V I N N S W G G A F S Q E L C D G S G S C Y D S W L I D A M N Y A A S S G A K V I N M S V G G D G T D P L S V P N S G D E T D V D V A E S F L Y A A K N G A K I I N C S F G K S H N E G G M V P S Y G D E T D V D I A E S F L Y A A R N G A K V I N C S F G G G M L V K E T
UniRef90_T0CEK8 UniRef90_W4ZAG5 UniRef90_D6K8I5	LISCAGSGAYSQILIDG <mark>C</mark> DWVVANAVAVASMSLIGG GANQAT
UniRef90_UPI0003825DFD UniRef90_Q3JCZ6 UniRef90_UPI00035D9F7E UniRef90_UPI000420F17B	PNGDEYDKDI ALGI RYAVDNGAQI INASFGKSFDSDWVTNSDGWAYWSDI AEALTWAANQGAHVANI SYDVTNSSTLSLGKCG GYTSDI ADGMLWANLNPAKVLNLSLGGNACGTTTRVGTKGLSVANI CAALMDAADRDLKVINMSYGGYEYNNSE
UniRef90_UPI000366E626 UniRef90_G0VG86 UniRef90_C6D5D1 UniRef90_G7DSU1	L IG D D N S G P N S G I I A G M E WA A R E H A K V I N M S L G I G T Y D P M S L R S N G S G S M S D V I K G V E F A A E S H I A A N M S L G G G K S P T L L D S O G D G T E P D I G E A I I V A V P N G A P I V M S V G I N P Y S P Y M
UniRef90_A4J0N6 UniRef90_UPl00030F830B UniRef90_F0P238 UniRef90_UPl00035FEE7A	L D D N G E G A N S D I I A A I Q Y V I N Q P T V V S I S L G G P L N T F T S L D Q W G D G T I L N A I N A I N W C L Q K N I H I A N M S F G T D K Y S R A L F D A S G G G N D A N I L A A G E W M L A P G P D V V N N S W G G G P G D E W Y M V P N G D E R D K D V A N A I R Y A V D N G A K I L N M S F G Y S P D K K L V V P N G D E R D K D V A N A I R Y A T D N G A K I L N M S F G Y S P D K Q I V
UniRef90_A0KW04 UniRef90_R9PPV6 UniRef90_B0VIM7 UniRef90_V4HY37	V PNGDERDKDVANAIRYATDNGAKILNMSFGYSPDKQIV LTNAGSGSTSGILSGMQWAVAQGADVVSMSLGGSGTSGPL LGRYG GSTWDISQAILYAASQTADVINMSLGGSGYDSAF ADSDGDMYFTAIENALTYAADNNAHIASMSLGATGDSPST LNSSGSGSTGDAIKCIDYMVGHNVSVLNNSWGGGGFNQAL
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UniRef90_H2JL56 UniRef90_Q8ENV1 UniRef90_UPI00035D7458 UniRef90_UPI0003693F75	PNGDERDKDI ANAVRYAVDNGAKI INMSFGYSPRKYVV LSGSGSGSTSGI VQGLNWVIAHNPKVVNMSLGGSGTDNAF LGCNGSGSSSGVIAGIDWVTKNHPAVVANMSLGGDPDQAT LSDDGTGQDSWVLAGMEWAADQHAKVISMSLGGPGSDPLS LNKTGSGSLSTVIEGIDWCIQNNINILSLSLGSDATEPAE SEQAGSESPAVFAEAIRRAVNDGADVVNMSVTLYRPDSAV FTDAGGQRV HLLAGAQWNAEKAPDIINNSWGGSAGDPWF ILEDGDPSRAALAEGIRWAADHGADIINLSLGDDSASAHE LDRNGRGMEANVIAGIEWAINQGCRVISVSICSTGYSNAY
UniRef90_D6ENQ2 UniRef90_M5RCI6 UniRef90_V5M493 UniRef90_V4ZN45	LEDGDPSRAALAEGIRWAADHGADIINLSLGDDSASAHE LDRNGRGMEANVIAGIEWAINQG <mark>C</mark> RVISVSICSTGYSNAY RNENAEGLLGDVIKGIVYAIEKKVDVINMSFFTDEPRGYL IG GGQGTVSNQVQAIDYAVKMGAWISNNSYGGYGHSNLE LGRGGMGFDYDIEQAMRYSAARRADIINVSLGGPAISPNF
UniRef90_A7BWZ2 UniRef90_S9PQT6 UniRef90_UPl000467AEC9 UniRef90_V5BCJ7	L G R G G M G F D Y D I E Q A M R Y S A A R R A D I I N V S L G G P A I S P N F C E E L S C S T E A L L A A G Q W M L A D L R P H I I N N S W A D G P T D P F L D D D G Y G D D S A V I A G M E W A A A E G A D V V N L S L G S P G L D P V E I S R S S A A A E A L D Y S L R M G A K I S T N S W G Y T T P S E G L
UniRef90_UPI000303E01A UniRef90_U1JMC5 UniRef90_I3EE24	_
UniRef90_UPI000375D73F UniRef90_Q8RJP4 UniRef90_L1N1V9 UniRef90_Q65JX1	L G C N G S G S N S G V I A G I N WV K N N G P S V A N M S L G G G A S Q A T L T D E G K G S T E Y A V L G L I Y A M K H P K A I I N M S L G G V K S E V L L D Q L G E G K L S G I I Q A V N Y V L Q N G K D V V N M S L G G E G V S T T L F N D Q G W A Y G S D L I K A I E Q C E Q A G A N V T S M S L G G S G S S T A E A P D G D E Y D K D I S S A L Y Y A V E N G A K V I N I S L G K Y T S P T P V F S D D G G T D E D L I A A G E W H P E M A P D V V N N S W G G A G L D E F Y

UniRef90_H0B584 UniRef90_M0LC29	90 100 110 120 A QVN KVS A E K G V L F A L A A G N N G P D R G T V A S P G S A D A A L T V S D A V T Y A Y D R G V F L A A A A G N D G P C T D C V S Y P A A E P E V V H R A I K Y A R S K G I V L V A A A G N G D G N E D T I E I S Y P G F Y K E V I
UniRef90_R9C5L0 UniRef90_Q67RJ0 UniRef90_D1YVK3 UniRef90_C0GDG5	R S V V E A W R A A G I V P I F A A G N S G P E P G T V A V P A N Y P E S I A V D D A V N N A V K A G K V V V C A A G N S G P G S K T I G C P A D T P S A L T V D D A A V R A W E A G I V V C A A A G N S G P Q P R T I N S P A I E P G I L T V
UniRef90_W0I9B0 UniRef90_M0H117 UniRef90_H0AB60 UniRef90_UPI0003B38F59	H D M I I T A Y N Y G V V I V A A S G N E A A D Q P S Y P A I Y P E V I A V G A K N A V T Y A T Q Q G S L V V A A A G N D G R R N V S Y P A A Y S E C L T S S V Q N A R D N G S V V I A A A G N D G Y Y N Y T S V P A A I E G A I H E A L K E A V A V D I A V C A A G N G D G D A D T E E F A Y P G A Y N E V I
UniRef90_U3BZK0 UniRef90_W7AHT0 UniRef90_UPl00046257D0	DHAFRYAAKKGVLIVHSAGNSKSDNDLKPSFPNIWMDVGA YLALQRFKGKGTVVVAAAGNENKSNDLLYPIYPASYENVYS RPVLKOWRSAGILPVFSAGNASNNGGEGSIGTPASFPEAF
UniRef90_K9V2Z3 UniRef90_A0YYI6 UniRef90_A0A022MS30 UniRef90_U5BK75	LAALQYASSKGVIVVMAAGNDRLTLPGFPARYADKWGIAV QEAVQFATENGVVVVSSAGNNYGFSPTYPAQYATDWGLAV ARAVREAIGHGVVVVVASAGNDGLD GTARNTYPAAFDGVL EEVIKYALSKGVTIVAASGNDGNKD LYYPGALPGVI
UniRef90_UPI000369A043 UniRef90_F4L0Y2 UniRef90_G8S904	ETVDELISASTGAL FV LAAGNAGPGEQTVGTPGLADSAL TV LQAI NYALQKGV V CV FAAGNKNENVRNYWL ALHPEL I SDAVTYARGKGV V V V AAAGNDRAAG SPA <u>N</u> YPGA <u>D</u> DGV L
UniRef90_L1PCN0 UniRef90_UPl0002E4D138 UniRef90_I0U343 UniRef90_R8GWR8	VQAAEKAWDKGIVVCAAAGNAGPEYRTISSPGISDKILTV ENVIKKALQAGIIVVASAGNAYGGN
UniRef90_R2S766 UniRef90_Q2FUI8 UniRef90_UPI0003724F30 UniRef90_G7WJX6	E E A I K N Y S G L F V A A A G N N G D T T D K P H Y P S S L D I P N I I R D S I N L Y P D A L F V C A A G N G D Y N T D S Y P H S P S S L A N V N I L S E A A V N R A E S G A L F V I A A G N N G E Q G A G T V G S P G S A D A A L T V D E A C D R M V D A G I V V S V A A G N A G P A T R S I V T P G T A E K V I T V
UniRef90_Q5JEH9 UniRef90_L0ALV2 UniRef90_B7RTP5	Q K V E Q
UniRef90_I0L1H5 UniRef90_G7FYD2 UniRef90_I6Z554 UniRef90_D7UWH1	QAVNDLTAETGALFVVAAAGNSGAARTVGSPGAAAAALTVGADAITVSEQADI LFVAAAGNDAVDNDANPHYPSSYESVFSKEII DYAIENGVVII AAAGNENSSGLFYPASYEGVLSVGLKKTI DKAKNVLFI AAAGAGTNVNLMTPLYPASFDSPNII
UniRef90_D6K2S6 UniRef90_UPI00037BC734 UniRef90_W7IXV6	E Q A V D Y A L A H Q V V V V A S A G N D G L G G N V Q L T Y P A S Y D G V L F A V D R V T T F S G L V V A A A G N T G P D A G T V S P A S A F K A L A V
UniRef90_A4X4V3 UniRef90_C6WAY5 UniRef90_U6LG27 UniRef90_UPl00026267F7	E E A V N R L S A S S G T L F V I A A G N S G A A K T L G S P G S A D A A L T V R R A V E Y A S S K D V L I V A A V A N E R G S G N T R P Y P A A Y P E V L E A L T T L S E R S G T L F V V A A G N D G A D R S V G S P G S A D A A L T V G Q E A V Q R A R Q A G M I V V A A A G N Y N G N N D P V F P A S Y D L D N V V S Y E A V K R A L N S G L P V V C A A G N Q G D D R D T D E T A F P G A Y N E V I
UniRef90_UPI00036D7426 UniRef90_Q647R6 UniRef90_A3ZU35 UniRef90_L0JIW6	Q D A I N F A R S Q G T V I V T A A G N E S [S A D R A N P G N C N G V I R D A I D Y A T K E G V L V V A A A G N D G P A D G S [D Y P G A N V E V I A V Y N A I K A S G D E D I L F V A A A G N N G T N N D V N P P A S Y G L D N V I S R Q A C E Y A Q S Q G S L L V A A A G N D Y G S P V S Y P A A Y D T V L
UniRef90_UPI00036C9D34 UniRef90_Q8IHZ5 UniRef90_Q093R9	D S A V N N A F A S G L P V V A A G N D G P A R Y T G S P G A A R D A T V H L A V E R L G K G S V L A A S G N K S N D N D S P L Y P A T F T F P H V Y Q D A I I Q H R D D G I L F V A A A G N N N T D N D A A S Y P G S Y F L S N V I
UniRef90_UPI00036A8074 UniRef90_T0RLD7 UniRef90_T0CEK8 UniRef90_W4ZAG5	LELNRLTAETGALEVVAAAGNTGEFGPVTVGSPGAAQAALTETIDYIGREYGVLVVAAAGNESSNIDRYWPASYESENLLVIDYIAKTYNTLVVVSAGNSSQNIDTKLTYPASYDSEGMLVDDAIQRMIDAGITVVVAAAGNDNGNACNSSPARSEPAITVDEAVQYALKKGTVVVVASAGNGG DKGDHVSYPAAYPGVI
UniRef90_D6K8I5 UniRef90_UPI0003825DFD UniRef90_Q3JCZ6 UniRef90_UPI00035D9F7E	F D A K Y A A A N D V L I V H A A G N D G L D D A N S S E A D N V I I I I G A N A A O Y E R S L G G I V V V A A G N N G S N P G Y S N N P Y M I
UniRef90_UPI000420F17B UniRef90_UPI000366E626 UniRef90_G0VG86	Q N A Î N A A R A R G A T V V V A A G N N N Î D A S A F S P A N C A G V I A A A I Q Y A K D R G K V L V A S A G N E G T D P E V G L A S Y P A S Y D G V I Q A V N K L T A E T G A L F V I A A G N E G T D P Y S V S A P G T A D A A L T V D L A V N A A V D A G I H F A V A A G N E N Q D A C N T S P A S A E R A I T V L D L V N Y A E S K G V L L V A A A G N D G L T G D K A E V K Y P A A Y P T V L
UniRef90_C6D5D1 UniRef90_G7DSU1 UniRef90_A4J0N6 UniRef90_UPI00030F830B	M AVKAAHQAGI HVVAAAGNENQDA <mark>C</mark> NLIS PAGSPFVI EEAVRVACSRGLLIVAAAGN DGGPGTVDYPAVFKETL RDVVIAWRAAGI FPFFSAGNTTNPGGPGSIAVPANYPESF
UniRef90_F0P238 UniRef90_UPI00035FEE7A UniRef90_A0KW04 UniRef90_R9PPV6	L D A F K Y A S D K N V L I V K A A G N S N E D I D T H I H Y P T N F N E T V G WD A F K Y A E K K G V L L I K A A G N D N V N I D D E I H Y P I S K N V I T V V D M V E A L S D K A L F V V S A G N S F T R E T V G I P G C A P S A L T V G A
UniRef90_B0VIM7 UniRef90_V4HY37 UniRef90_UPI000319FB2E	D S V T Q Q A I A S G V I V V A A A G N E S T S Q F S Y P A A F T N V I G V S A D A A L N Y A Y N A C V V I F A A T G N E N N S T I S Y P A N Q T S V I S V G A Y D S I S A S E Q A G I L F V A A A G N S A R D N D V S P G Y P S S Y D S V L A D H A F R Y A A R H G V L I V H S A G N S R S D N D L K P S P L S T W L D V G A
UniRef90_H5SNB2 UniRef90_L7U571 UniRef90_H2JL56 UniRef90_Q8ENV1	HNVIQKAVCOYKITVVVAAAGNEGDDAKNHTPAAYDEVITV DDAVRRSVAAGVTYVVAAAGNESTDACK HTPARTLEAITV MAVDRLSEETGALFTVAAAGNSGPDGYTVGAPGVADAALTV GDAVETAWDNGMVVCVAAGNSGPGDKTVGSPGISPKVITV ESAIRYAQTKDVVLVAAAGNLHRDGEPDPVPYPAAYDGVI
UniRef90_UPI00035D7458 UniRef90_UPI0003693F75 UniRef90_D6ENQ2	ESAIRYAQTKDVVLVAAAGNLHRDGEPDPVPYPAAYDGVI VDILNAWRAAGILPVFAAGNQKTGEPIPGPGSPSNLPGSF DEALQYALKKGVVVVVASAGNGG ELGDHISYPAAYPGVI EAAGLRALQQNALVIAAAGNRSRRSAGRRVSAPANTPSIV
UniRef90_M5RCI6 UniRef90_V5M493 UniRef90_V4ZN45 UniRef90_A7BWZ2	F D A I R R A Q T A G W L F I T S A G N H N L N T N D H T P S S Y D L S N L L S O O V I N E V R N A G V I V V A A S G N E N T D O O M F P A S L A G V I
UniRef90_S9PQT6 UniRef90_UPI000467AEC9 UniRef90_V5BCJ7 UniRef90_UPI000303E01A	RPI VQA WVA A GI FPVFSVGNPEPAT CG SVGVPA A YPESY A TVNKLTA E K GI LFAVA A GNDGRFGDET VGSPGSA DA A L RLAI ERTAKRGQLFVA A VDNA GKDNSVENDFPPN WGHDTR VDMVFAISDFAI FV LSAGNSFIRFT LGSPGCSPSAI TVGA
UniRef90_U1JMC5 UniRef90_I3EE24 UniRef90_UPI000375D73F	D D A V N N A V A S G
UniRef90_Q8RJP4 UniRef90_L1N1V9 UniRef90_Q65JX1	R N A F E Q S Y Q R G M L H I A A A G N A G N S S L S Y P A S Y N A V V N N A I A Y A L E K D V V V I Q A A G N D H L N I D T T A Y Y P T G F Y G N F L R D L V K A W R A A G L F P E F S A G N V A N P G G P A S L A N P A N Y P E A F

UniRef90_H0B584 UniRef90_M0LC29	130 140 150 160 G A V D D N D R L A D F S S V G P R V K P D I T A P G V S I T A A A N P P G Y Q A V S A T T D T D A L A D F S S T G P E I E L A A P G E D V Y S T V P G G Y D
UniRef90_R9C5L0 UniRef90_Q67RJ0 UniRef90_D1YVK3	A V S A T T D T D A L A D F S S T G P E I E L A A P G E D V Y S T V P G G Y D Q V G S I S K N Q T P S K F S N T N V N I D F V G P G E N I L S T H L N S D Y V G N I R K D D V L N G S S G R G P T P Y P E V S A P G T L V R S A L P G G L Y G G A T D K S D A I A S F S S R G G T V K P D V S A P G K D I I S C R A T G Y Y L
UniRef90_C0GDG5 UniRef90_W0I9B0 UniRef90_M0H117	GNIRKDDVLNGSSGRGPTPYPEVSAPGTLVRSALPGGLYGGATDKSDALASFSSRGGTVKPDVSAPGKDIISCRATGYYLGALNDRNFSSRGPTDGLVKPDVCAPGVQITALRSPGSTTTNSTDGIAWFSN LQPEVSAPGVDILSTYPNDDYE AVSALDPDETLARYSNYGDEIDLAAAPGTNVLSCWTTSTYK AVGATNDAKDVTSFYDGRPKPEVAAAPGVRITSAKYNTSYT QVGAVNFSSELTPFTNTNDEIDLTAPGASILSTYIGSSYV SAKYADEKLVARFSNFGQTSVDIFAPGYRILSTTPDNTYE VGAINKFFQISPFSNYGAKSVHILAPGHHIYSTTPMNTYK AVGAIRKDDV
UniRef90_H0AB60 UniRef90_UPI0003B38F59 UniRef90_U3BZK0	A VS A L D P D E T L A R Y S N Y G D E L D L A A P G T N V L S C WT T S T Y K A V G A T N D A K D V T S F Y D G R P K P E V A A P G V R I T S A K Y N T S Y T Q V G A V N F S S E L T P F T N T N D E I D L T A P G A S I L S T Y L G S S Y V S A K Y A D F K I V A R F S N F G O T S V D L F A P G Y R I L S T T P D N T Y F
UniRef90_W7AHT0 UniRef90_UPI00046257D0	SAKYADEKL VARFSNFGQTSVDI FAPGYRI LSTTPDNTYE VGALNKFFQLSPFSNYGAKSVHI LAPGHHI YSTTPMNTYK AVGALRKDDKVAKFSLRGPSPDI VAPGVNI RSSAPGGKYV
UniRef90_K9V2Z3 UniRef90_A0YYI6 UniRef90_A0A022MS30	GASNSYDWVADFSNAGSNPLAYVTAPGVSIYSTIPGNGYS GASNSYDWVADFSNDAGFTPLDVVAPGVSIYSTTPNNNYE AVASSDRNNERAPFSQSGSFVGVAAPGVDIVSTVPGGGQC
UniRef90_U5BK75 UniRef90_UPI000369A043 UniRef90_F4L0Y2	A V G A V D E K D Q V A G F S T Y G H H V S F V A P G A N I I S S F P G N K Y S G A V D K S D Q L A S F S S G D Y A V K P E I T A P G V S I T G T P V D D Y Y T V V A S T D Q N D G K A P G S N W G N E I T V A A P G F E I L S L G A N N G V V
UniRef90_G8S904 UniRef90_L1PCN0 UniRef90_UPI0002E4D138	A V A A T D S G D T V A A Y S N A G G Y V D V A A P G S A L S T Y P T S G Y A L N Y Q Y N E K L V A S F S N Y G K N V D V F A P G V D V Y S T V P G N Y A C T N T T T T T T T T
UniRef90_I0U343 UniRef90_R8GWR8 UniRef90_R2S766	G A L D D A D F S S R G P T Y Y G V S K P D L V V P G V N I V S N R L G Q Y Y M S V T A V D H T Y K L A S F T A K K G K L D F S A P G V D L L T T S L L N N Y T A V G N S S G H E R S S T S N Y S K T G V D L F A P G T O V F S T V P G T O Y S
UniRef90_Q2FUI8 UniRef90_UPI0003724F30 UniRef90_G7WJX6	A V G A L R K D D K V A K F S L R G P S P D I V A P G V N I R S S A P G G K Y V G A V D R N N N M A S F S N A G S N P L A Y V T A P G V S I Y S T L P G N G Y S G A S N S Y D W V A D A G F T P L D V V A A P G V S I Y S T T P N N N Y E A V A S S D R N N E R A P F S Q S G S F V G V A A P G V D I V S T V P G G G Q C A V G A V D E K D Q V A G F S T Y G H H V S F V A P G A N I I S S F P G N K Y S G A V D K S D Q L A S F S S G D Y A V K P E I T A P G V S I T G T P V D D Y Y T V V A S T D Q N D G K A P G S N W G N E I T V A A P G F E I L S L G A N N G V V A V A A T D S G D T V A A Y S N A G G Y V D V A A P G S A I L S T Y P T S G Y A L N Y Q Y N E K L V A S F S N Y G K R N V D V F A P G V K I Y A T T P G N K Y E G A V D Q N N N M A D F S N Q A G T N E T Y V T A P G V D V Y S T V P G N N Y A G A L D D A D F S S R G P T Y Y G V S K P D L V V P G V N I V S N R I G Q Y Y M S V T A V D H T Y K L A S F T A K K G K I D F S A P G V D I L T T S L L N N Y T A V G N S S G H E R S S T S N Y S K T G V D L F A P G T Q V F S T V P G T Q Y S V T A Y D Q R A S W A N Y G A T T V D V A A P G V S I M S T T K G N S Y G G A V D K Q D R L A S F S S T G G G I K P D L T A P G V A I V A P S V A D G Y M G A T D P G S S R G P T L D N R V K P D L V A V G V N V T S A K A G T L R G E E
UniRef90_Q5JEH9 UniRef90_L0ALV2 UniRef90_B7RTP5	N M K V A S F S G K G P G L N L Y D L K P D L A A P G V K I L S A G T R N E F L A V A A T D I D D L A G F S S T G P E V D L A A P G V K I L S A G T R N E F L A V A A T D I D D D L A G F S S T G P E V D L A A P G V D V N G D G Y P D G Y T A V D R D D N S S R G V Y V D V A A P G G D N G T D V N G D G Y P D G Y T A V D R D D N S S R G P R V G D N G L K P E L T A P G V G I V G T P V G D A Y T L A S T D S S D N L S D F S Q W G L T S V D M G A P G S A I L S T V P G N G Y A D E K G E K A T Y G S H S G S N F G T Q V D V M A P G S F I Y S T W P D S I Y R S V A N L K Q N G F L E E S S N Y G T S V D L A A P G T N L Y S T L P N G K Y G A V A A S D R N N E R A S F S S R G P T V D P D I T A P G V D I T A A V A P D G Y A G S V D R E D A L S F S S R G P R V D P D I T A P G E D I V G D P A E D G Y I
UniRef90_I0L1H5 UniRef90_G7FYD2	AVDRDDNSSRGPRVGDNGLKPELTAPGVGIVGTPVGDAYT IASTDSSDNLSDFSQWGLTSVDMGAPGSALLSTVPGNGYA
UniRef90_I6Z554 UniRef90_D7UWH1 UniRef90_D6K2S6	SVANLKQNGFLEESSNYGTSVDLAAPGTNLYSTLPNGKYG AVAASDRNNERASFSQSGEFVGVAAPGVDMLSTVPGGGHC
UniRef90_UPI00037BC734 UniRef90_W7IXV6 UniRef90_A4X4V3	AVGALGPDGAPADESGSGDFVDLAAPGSSIVSLGPGGGHL
UniRef90_C6WAY5 UniRef90_U6LG27 UniRef90_UPI00026267F7	AVDRDDASSRGPRVGDGAVKPDVTAPGVGIVAAPGQDGRLVAAISRNGQLAPFSSYGKKQVDVAAPGANIMTTSARRTYRQVGAINYDRDIAPFSNTNDEIDIVAPGVDILSTYTDQKYANVAALSRDGNLAPYSNFGPTIDVAAPGNSGTTTAVNNDYR
UniRef90_UPI00036D7426 UniRef90_Q647R6 UniRef90_A3ZU35	GAILDSVEDIVES WSSRGINDGDYI VAP GVSVESI WRDG <mark>U</mark> YN
UniRef90_L0JIW6 UniRef90_UPI00036C9D34 UniRef90_Q8IHZ5	AVSSLDEGETLSDFSNVGPEIELAAPGGNVLSSIPFDDYDGAVTDFSSRGPTKDNRIKPDIMSPGYNITAPKANSTNQYVSVASISRNFEISPFSNYGKSVHILAPGHHIYSTIPNNSYKSVAAHDRNDTLASFSNYGQTVHLAAPGVEILSSVPNGKYD
UniRef90_Q093R9 UniRef90_UPI00036A8074 UniRef90_T0RLD7	SVAAHDRNDTLASFSNYGQTVHLAAPGVEILSSVPNGKYD VGAVDRDDKLANFSSDAGIKPDLTAPGVSIVGTPVGDSYT
UniRef90_T0CEK8 UniRef90_W4ZAG5	V G A V D R D D K L A N F S S D A G L K P D L T A P G V S I V G T P V G D S Y T V A S T T K Y G S M S G F S N Y G V T N V D V A A P G S S I Y S T T P G N R Y G V A S S T R Y G R F S Y F S N Y G F V N V D V A A P G S S I Y S T T P G N R Y G G A T D S T D T R A S F S N Y G T C V D L F A P G V S I T S A W Y G E P D A T N
UniRef90_D6K8I5 UniRef90_UPI0003825DFD UniRef90_Q3JCZ6	AA I AVURTIGI KAAFSI KKWI AI V SAFGVUII VI AUFURTIT
UniRef90_UPI00035D9F7E UniRef90_UPI000420F17B UniRef90_UPI000366E626	S V S A T T S S D G K A S W S N Y G N Y V D V A A P G A G I W T T S R G G G Y G T V A A T G R N G G K A L Y S N Y G A S V D I A A P G G S A Y N G A T E G A Y A S V A A T D S S N G R A S F S Q Y N N M V D L A A P G E N V Y T T A F T G G Y T G S V D S S D V L A Y N S G A G P G L K P D L T A P G V E V Y M T G G E G Y Y R
UniRef90_G0VG86 UniRef90_C6D5D1 UniRef90_G7DSU1	S V A A T D S S N G R A S F S Q Y N N M V D L A A P G E N V Y T T A F T G G Y T G S V D S S D V L A Y N S G A G P G L K P D L T A P G V E V Y M T G G E G Y Y R G A S T L S D D R A Y F S N W G K C V D I F A P G L N L L S T Y L G D D D A T A G V S G A K P D N T P D P R S N P G P E I D L A A S W N V Y T T A M G G R Y K T V G S S S L Q D E R S Y F S N Y G P C V T L F A P G E D I T S S W V G S H V A S V A A L D T K G N L A D F S S S G S E V D L L A P G S N I L S T Y R W G T Y V A T G A T D S D D N L A S F S L E G P S P Y V V A P G V N I R S A V P G G G Y E A S T R V S E N L K A R F S N Y G I K S V D V F G P G A E I Y A P Y P G T E Y R G A N T M D H T N L K A S F S N F G K S V D V F A P G Q A I Y S T V P D G E Y K V D R D N H T A S F S S R G P S P D G K P D L A S Q G V D V V S A A S G G A Y R V D A A K D T T S Y S N Y G S Y L D V A A P G G D G S A D L N G D G Y G D G Y G D G Y C
UniRef90_A4J0N6 UniRef90_UPI00030F830B UniRef90_F0P238	S
UniRef90_UPI00035FEE7A UniRef90_A0KW04 UniRef90_R9PPV6	G A N T M D H T N L K A S F S N F G K S V D V F A P G Q A I Y S T V P D G E Y K V D R D N H T A S F S S R G P S P D G K P D L A S Q G V D V V S A A S G G A Y R V D A A K D L T S Y S N Y G S Y L D V A A P G G D G S A D L N G D G Y G D G Y Q
UniRef90_B0VIM7 UniRef90_V4HY37 UniRef90_UPI000319FB2E	VD A A K DLT S Y S N Y G S Y D VA A P G G D G S A D L N G D G Y G D G Y Q A S P T G Q R K S T S S S D G N N K N A V D I MA P G T G N G Y N T S G D Y Y L VA S T T H T D S M S S F S Q W GLT S V D L G A P G S N V L S T V P G G G Y S S A K Y I D E A L V A S F S N F G Q E S V D V F A P G Y R I L S T T P G N T Y G S A T N S Q D D W P S W S N Y G P D V D L A A P G V S I L S T W N A S T Q S Y N A A T D T K D K R T H F S N Y G D C V D V F A P G N Q I T S A W Y Y N D K E T R
UniRef90_H5SNB2 UniRef90_L7U571 UniRef90_H2JL56	SATNSQDDWPSWSNYGPDVDLAAPGVSILSTWNASTQSYN AATDTKDKRTHFSNYGD <mark>C</mark> VDVFAPGNQITSAWHYNDKETR
UniRef90_Q8ENV1 UniRef90_UPI00035D7458	GAVDGSDTLADFSSRGPGVKPDLTAPGVDIYAPEGSGPYQGAVDGSDTLADFSSRGPGVKPDLTAPGVDIYAPEGSGPYQGADDNNTAERSDDSVAEFSSRGPTPGVDIVSARVGSNYIGVGAIDQRGVRVAQSQVGPYVDLVAPGGAVVAATRVNGHGAVGATDINNKRGNFSKLGPSPWISAPGVNIRSSVIDGYEAAATAVDRYGTRAAAFSTRRWYATVSAPGVDVIIADPDHRYYGVGATRESGRVADFSNRTGEVDFVAPGVDVSSDITSDQYH
UniRef90_UPI0003693F75 UniRef90_D6ENQ2 UniRef90_M5RCI6	A A T A V D R Y G T R A A F S T R R WY A T V S A P G V D V I I A D P D H R Y Y G V G A I R E S G R V A D F S N R T G E V D F V A P G V D V S S D I T S D Q Y H
UniRef90_V5M493 UniRef90_V4ZN45 UniRef90_A7BWZ2	VGASTHIGRKAAFSNYGLATVHVFAPGADLHTTEGEAGYS SVGAVNLYGORSSYSNYGLATVHVFAPGADLHTTEGEAGYS
UniRef90_S9PQT6 UniRef90_UPI000467AEC9 UniRef90_V5BCJ7	TVGAVDKDDKLADFSSVGPKPDVTAPGVAIITTPHPAPGYL TGAGSPGGLAAASSNWSPYTVDVAAPGTDIISTLPTGGYG
UniRef90_UPI000303E01A UniRef90_U1JMC5 UniRef90_I3EE24	TVGATDKNDFTAFFSNTGPCVDVYAPGVGTRSSFTNNTMR
UniRef90_UPI000375D73F UniRef90_Q8RJP4 UniRef90_L1N1V9	TVSAMNRINQFASFSNFGPGVDVCAYGVNITSTYKDGRYASVAAVDSSESKASFSQYNSQVEIAGPGVGVNSTWNNGAYRRVGASTKRGLCSSLSNYGSSVHLFAPGEDITATGLGNTYA
UniRef90_C1N1V9 UniRef90_Q65JX1	ATGATDIDNRLADFSLQGPSPYIISAPGVNIIRSSVPGSGYQ

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Junkengo Davingos Junkengo Davi	UniRef90_R9C5L0	ELTGT	STASPFVAGA	AAIVNRSEF	PHLIPAYVYEYLVLHAL
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Jurikef90_093R9 Jurikef90_19093R9 Jurikef90_19093R9 Jurikef90_19003R0 Jurikef90	UniRef90_L0JIW6	TFSGT	SMATPETAGV	AGLTLSAWF AALMIDANN	PSILIS N DEILIR THILIHETA V
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Juniker90_UP1000467AEC9	UniRef90_B0VIM7	WFNGT	S C A T P Y A A G V	AALLLSKD	PSILIT PAQII FSII LITSSAT
Juniker90_UP1000467AEC9	UniRef90_UPI000319FB2E	SKSGT	S M A A P V V S G	AALVWSRY	P D L S V K E L K A M L M E H S K
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Juniker90_UP1000467AEC9	UniRef90_M5RCI6	TRNGT	S M A T P H V S G	A A L L DE Q D F	GLGGESLYCKELCL
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UniRef90_UPI00039FC86D UniRef90_R5R043 UniRef90_S0FR24	AVSATDESDALADFSSTGPEVDIAAPGVDTLSTVPRDEYAAAVDSDDQLASFSSMGPRIGPDIAAPGVDIGGTATTGWYQGSSDLLDPTAGISGRGPTPDIVTPGLGIVACSPGIPYGYASVASIDSKGVLSPYSSYGSKLNVAAPGVNILSTTPGNAYD
UniRef90_C3IUP3 UniRef90_Q5SLK7 UniRef90_UPI000405A8FB	S V A S I D S K G V L S P Y S S Y G S K I N V A A P G V N I L S T T P G N A Y D A V G A I N Q N L D R A N F S N F G S E T D I A A P G V D I Y S T Y P V G R Y A A D G N R N K T D F S T Y G R H I S S A A P G L D V L L A N P T W L G G G Y G L T Y E Y G P E L V A D F S N Y G K T K V D V F S P G V R I Y A T T P N N T Y S
UniRef90_UPI0003738EF0 UniRef90_UPI0004774CCA UniRef90_A0JTS4	LTYEYGPEL VADFSNYGKTKVDVFSPGVRIYATTPNNTYS MAASNDENLTAGFSNWSADKVDVFAPGVEIYATVPDDNYQ VDSADKVAPFSSGGPDGAIKPEISAPGVGIVGPPIDERYT TDNNDAKASFSTYGA SWVDDVAAPGVNVYSTFPNHGYD
UniRef90_I2JYF6 UniRef90_UPI00031AF888 UniRef90_UPI00031803E1 UniRef90_S9TWH3	TDNNDAKASFSTYGA SWVDVAAPGVNVYSTFPNHGYD GASTLSDSRAYFSNYGKCVDIFAPGLNILSTYTGSDSATA AVDSADRAAYFTSQGPRHGDPDVSAPGVDILAARSSGLYT AVAAVDRNGARASFSTRRWYATVAAPGQDILIADPDRSYY ATGAVDMNNKLADFSYGQMKPEVSAPGVHIRSAVPGGQYA GASTLNDARAYFSNYGDCVDVFAPGLNILSTWIGSNVSTN
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UniRef90_C0QG30 UniRef90_U5ERS8 UniRef90_UPI00034824E1	VTLEKKAAWYTNYGSWIDISAPGGDTSTDINGDGFPDGYTGGMDFKENIAKFSSRGMTTWPDIVTYGSQVKGSNINGGCRGGVDVAPYSGGSSIDTPGVKPDVVAPGSNVYSCVPPTSYRTIGATDMHDKTADFSNFGNCVDLYAPGVNILSAWNDRRWR
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UniRef90_E3FZ52 UniRef90_I0YKM3 UniRef90_D7GN88	GATERT DARASYSNYGT CLDIFAPGSSITSSWYSSTTATN VGAATRQNALWARSNYGTQTVHIMAPGVNVLSTGLGGLYV GSTTNTDARSSFSNFGSCVNIFAPGTNITSAWHTGTSATN LNEKLKIDPISAKG KIDFSAPGVNIKTTDIHGGYT
UniRef90_UPI00041A8437 UniRef90_F7QL71 UniRef90_R7DN99 UniRef90_T0RFG8	AVSATDQSDQLFAQSNRGKYVAIISAPGVDILISPAPDGKYQ LAKNSLNTKAGFSNTGTNVDIVAPG YVYVPTIGSATSYK
UniRef90_UPI00029B1152 UniRef90_Q3B5X9 UniRef90_I0HYN0	T V G A L N Y E Y G S S F S N F G K T N V D V F A P G T K I WS T T P N N T Y E I D S D G S V A Y F S N D A G S V D P Y D Y V V A P G V S V Y S T Y L D D S Y A A V A A V D E Q R V R T S W S N Y G P W V T L A A P G E G I T S T F P S P G Y A V G G S A M D G S L S S I S N F G S E T I D L Y A P G E Y L A G F Y P G D K P D A S S T K E D G Q S E F S N F G E V V D I Y A P G S D I T S A W N D G D E G T K A I D K N S Q N L A K A N F S N Y G S Y S K L S A P G V G I Y S T V G A D N Y A
UniRef90_D1PVM4 UniRef90_UPI0003C76D5A UniRef90_V6S7E2	VGGSAMDGSLSSISNFGSETIDLYAPGEYLAGFYPGDKPD ASSTKEDGQSEFSNFGEVVDIYAPGSDITSAWNDGDEGTK AIDKNSQNLAKANFSNYGSYSKISAPGVGIYSTVGADNYE
UniRef90_W7IGL3 UniRef90_UPI0003635EB0 UniRef90_D7GN90	GATTSTDARASYSNYGTCVDLFAPGSDLTSAGSGGDTATA SVASVNNTSSIGTTPNISIKPEISAPGAWIRSAMPGQNYD AVSFTNTADKLTGFSCTGPQVDLAAPGDALISTVPVGGYG GQVSTFTSWGPTFELTLAPSFGAPGGILSTWPVKLGEYA GATDAEDGRAYFSNWGECLDLFAPGVDITSAWIDGEDATN AATDRTDRRASFSNYGSVVDLFAPGVGIRSSVATSDTAAA
UniRef90_N4V073 UniRef90_UPI0003FF6253 UniRef90_UPI0003650C34 UniRef90_G1XI66	GATDAEDGRAYFSNWGECLDLFAPGVOI TSAWIVKLIGEYA AATDRTDRRASFSNYGSVVDLFAPGVOI RSSVATSDTAAA SVGATDI DDARASFSNFGNCVDI HAAPGVOI VSTESTGNTA
UniRef90_C8VUL6 UniRef90_C5DBX5 UniRef90_E1Z5W4	SVGATDIDDARASFSNFGNCVDIHAPGVDIVSTFSTGNTAGASTLADERAYFSNYGKCTDIFAPGLNILSTWIGSKSAVNAFDDRTDTIARFSNWGNCVDIFAPGVKIESLSNVPPFKPVVGASTRADDLSSFSNHGRSTVHMLSPGEQILSTTYNNWYGNASDRNDARASFSNWGTCTDIFAPGVSITSTWIGSPSATKGAVTKDDDLAGFSSRGPGIKPDLTAPGQDIVAAPVDDAYT
UniRef90_A0A058Z2J2 UniRef90_I0V804 UniRef90_N2AH31	NASDRNDARASFSNWGT <mark>C</mark> TDIFAPGVSITSTWIGSPSATK GAVTKDDDLAGFSSRGPGIKPDLTAPGQDIVAAPVDDAYT GAVDIWDYSGRGPTED <mark>C</mark> IMKPDLVAPGTYLTS <mark>C</mark> SVDYPYT

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JURRESPO JUPPO00314F888 JUPPO00314F889 JUPPO	UniRef90_Q5SLK7	LISGT	S F S G P Y T A A	RALETTTW
JURRESPO JUPI00003167581 JURRESPO JUPI0003169081 JURRESPO JUPI0003169	UniRef90_UPI000405A8FB	FLQGT	S M A S P N A A GIV A A L	[Q I M E S G L
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United	UniRef90 UPI00037CEDFE	TKGGT	S M A A P G V A G I A A L I R S Y Y P K L T A A Q V K	QVILDSGL
JORRESO, WELWOOD THE SET OF SET	UniRef90_UPI000363E53B	QLDGT	S Q A T P H V A G A A A L L L Q K H P D WD WR R V K	T A L M T T A D
Unicago Unic	UniRef90_C0EGJ6 UniRef90_W6TWY9	KILINGT	S M A S PIV VIA GIL IA GIL I IR S Y Y P KILIT AII IEIVIK	DILIMKSIVVI
Junkergo LADAT	UniRef90_UPI00041FF058	TLSGT	S M A A P H V A G T A A L M A Q R R P D W T A E Q L F	AVLVSSAK
Junkel90 Del 2005	UniRef90_B1KDE2 UniRef90_L0AD47	SRSGT	SKATPHVAGTVALMQSAEDDLTPDEMK	RALRETAW
Junkel90 Del 2005	UniRef90_R5HV75	VKSGT	SMSTPLVTGALA <mark>C</mark> ALEKDPALTNTDIJK	TMLMNSAD
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UPINGRE9D L8JXM2 WE N G I S S A A D P M V S G A LA L L M D A P N L I H D E LD I I E Q I A R D JURIGE9D E8VZK3 JURIGE9D L8VZK3 S M S G T S M A S P H V S G A LA L L M D A P N L L A R Q A L A L L L D T A R JURIGE9D L8VZK3 JURIGE9D UPI00027EEEEB JURIGE9D UPI000376000 JURIGE9D UPI000376000 JURIGE9D M S S M A A P A T A G A A A A L V K E Q H P D D A S P Q D R W A L L L B A T A K JURIGE9D UPI000376000 JURIGE9D UPI000376000 JURIGE9D M S S M A A P A T A G A A A A L V K E Q H P D W T G Q R I K S A L L A S A K JURIGE9D W S A S W S G T S M A A P A T A G A A A A L V L Q W D S S L T W D E L E E I L E T T A L L M A W S C M S W S W S T S M A S P H V A G L L A Y L L S W S A R P G L T G W Q L K D L L V S S K JURIGE9D W S W S T S M A S P H V A G L L A Y L L S W S L Y P S A S W S T S W A S P H V A G L L A A A R R P G L T G W Q L K D L L V S S K JURIGE9D W S W S G T S M A A P M V T G A A A M L V S A R P B L K N P E L T T N W D L L K G W S W S W S W S T S M A S P H V A G L L A A A R R P G L T G W Q L K N L L L T S A R A L M R S P M W S G T S M A A P M W T T G M A A L L L E Q R N N A T P A Q V K A L L L E Q W S G V W S W S W S T S W A A P M W T T G M A A L L L E Q R N N L K P D L L X W M L E S M X T P L V A G A A A L L L E Q R N N L K P D L L X W M L E S M X T P L V A G A A A L L L E Q R N N L K P D L L X W L L R W T A D LINRESSO M S W S T S M A T P M W T T G M A A L L L E Q R N N L K P D L L X W L L R W T A D LINRESSO W S W S T S M A T P M W T T G M A A L L L E Q R N N L K P D L L X K Q L M M E G A L M T L M W T T T N G T S N S T P L V A G A A A L L L L E Q R N N L K P D L L X K Q L M M E G A L M T L M T T N G T S N S T P L V A G A A A L L L L E Q R N N L K P D L L X K Q L M M L T A D UNINCESSO W S W S T S M A T P M V T G G A A A L L L L E Q R N N L K P D L L X K Q L M M L T A D UNINCESSO W S W S T S M A T P M V T G G A A A L L L L E Q R N N L K P D L L X K Q L M K L T T A D UNINCESSO W S W S T S M A T P M V T G G A A A L L L L E Q R N N L K P D L L X K Q L M K L T T A D W T M T M T M T M T M T M T M T M T M T	UniRef90_E7C3W8	GFGGT	S	TILTSTAD
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UniRef90 Degada1	UniRef90_L8JXM2	WFNGT	SSACPMIVIA GIVIA AIL L LISIVIN P <mark>CI</mark> LII H DEIVIE	DILLEQLAR
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UniRef90	UniRef90_Q6CED6	TLSGT	S M A S P H I A G L L S Y Y L S L Q P E L T P A Q L K	KNLISFA
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UniRef90	UniRef90_C0QG30	FLQGT	SMAVPHVAGVFALMKSIIYPGLDMDTVI SVASPVVAGTITIIIIHKIEMINDASMK	
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210

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UniRef90_A0A024T8Q2 UniRef90_Q29QG9 UniRef90_UPI000185E1D3	GHSTHVAGILAARPDDDRVVGVAPDAKIAPIRM GHSTHVAGILAGNNNGIGNSGIAPNATIMPVVT VQDQNGHGTHCAGIAAGKPAGQPRYGVAADALLYIGKV TDGHGHGTHCAGIAAGKPAGQPRYGVAADALLYIGKV SSHGTHVAGTVAAARNGAGIVGVAPAVKLASVKV QDDAGHGTHITGILAASNNAVGLSGVSWHAKLMPVRT YDDHGHGTHVASIAFGDGTGGSGAGVAPGAALYAAKV PIDTNGHGTHVVASIAFGDGTGGSGAGVAPGAALYAAKV PIDTNGHGTHVVGTAVGAN GLGVAPGAQUIACRG DDRVSHGTFVAGVIASSRECLGFA PDADLYIFKV DMSDDNGHGTHVAGTVGGS
UniRef90_UPI0003B46C59 UniRef90_Q0A610 UniRef90_B0X4I7	T E D C N G H G T H V A G T V G G S T Y G V A K G V N L V P V R V D H G T H V A G T V G G S T Y G V A K G V N L Q V S L Y S H A A C S S H G T H V A S L A C G H P D N P E L D G V A P A A K V V S L T L Y E D Q N G H G T H V S G T L A A L N N T L G V L G V A P G A K V V P V R V D N T D G A G H G T H C A G T L G G L T Y G L S R K V S L V A V K V P M G D P Q N T H G T A T L S T L G G F V P G V M V G P A Y L A H Y L L A K T L S C P L C S
UniRef90_G6E8J1 UniRef90_Q65Z76 UniRef90_F4PKS4	TY GI SR KV V PV RV DNT DGAGHGT H CAGTI GGL TY GI SR KV SL V A V KV PMGDPQNT H GT A TLSTI GG F V P G V M V G P A Y L A H Y L L A K T
UniRef90_M7ZEL7 UniRef90_C5GHL3 UniRef90_F8CJF6	DGNGHGTHCSGTVAGKK FGVAKKAHVYAVKV
UniRef90_F0ZI19 UniRef90_X1H6N5 UniRef90_F4RT14	PVYDDPLKHGTATLSVLGGYKPGVLV GAAYRASYLLAKT PTSDDLYGHGTHMAGTI AA IAPECRLMNVKV DANGHGSHCAGTI ASRR YGVAKNAAI VAVKV
UniRef90_L8WN16 UniRef90_Q090G0 UniRef90_G9MIQ9	NDTDGHGHGTHI AGTI AGKR FGVAKAASI LAVKV DCNGHGTHVAGTVGGA TWGVAKNVRLHAVRV NNTDENGHGSHVAGTI GGA TEGVAKNVKI VAVKV
UniRef90_M2QMA7 UniRef90_F0ZMG5 UniRef90_R6PME6	DAKDCQGHGTHVAGTVGSA TYGVAKGAKI VAVRV QNDHGTATLSVLAGFKKGHLV GTAYNASFLLART HSHGTHVAGTVGANNNGIGVCGVKGGVKMMVCQV
UniRef90_H0GD66	D Q N G H G T H V A G L V G S K T Y G A A K R V N L V E V K V

UniRef90_UPI0003B7A646 UniRef90_UPI0001CBA779 UniRef90_C4RKG6 UniRef90_A5JS74 UniRef90_U6I256 UniRef90_A7TI81 UniRef90_UPI000377A8DA UniRef90_UPI000377A8DA UniRef90_UPI000377A8DA UniRef90_UPI000373722 UniRef90_A4CI65 UniRef90_UPI0003737221 UniRef90_UPI0003737221 UniRef90_UPI0003737221 UniRef90_UPI0003737221 UniRef90_UPI0003737221 UniRef90_UPI0003737221 UniRef90_UPI000348CB19 UniRef90_UPI000248CB19 UniRef90_UPI000248CB19 UniRef90_W4YYC4 UniRef90_W4YYC4 UniRef90_W4YYC4 UniRef90_W4YYC4 UniRef90_A8M819 UniRef90_A8M819 UniRef90_A8M819 UniRef90_M5FQF3 UniRef90_M5FQF3 UniRef90_M4ZX18 UniRef90_M4ZX18 UniRef90_M4ZX18 UniRef90_UPI00035DE53 UniRef90_UPI00035DEE53 UniRef90_UPI0003694CA8 UniRef90_UPI0003694CA8 UniRef90_UPI0003694CA8	SO
UniRef90_Q5E552 UniRef90_D2S219 UniRef90_UPI0003600D1C UniRef90_UPI0003600D1C UniRef90_Q12JK6 UniRef90_C5LSH1 UniRef90_H2BX05 UniRef90_UPI00031F3837 UniRef90_UPI00031F3837 UniRef90_D9UDC3 UniRef90_A9V683 UniRef90_G3JEB0 UniRef90_G3JEB0 UniRef90_A0A058Z966 UniRef90_A0A058Z966 UniRef90_A0A058Z966 UniRef90_UPI00036A711B UniRef90_UPI00037562D0 UniRef90_UPI00036F0EF7 UniRef90_A0A024TBQ2	DRTESS GK STWAD D GV F Y AT QQD AD V T NSWS F GG QPS ND P F F GS DN K GTAA D LAA A LED Y AV MT N H GV D L L NN S W G G GG F S S Q L L L NN S W G G GG F S S Q L L L NN S W G G GG F S S Q L L L NN S W G G G G F S S Q L L L L NN S W G G G G F S S Q L L L L NN S W G G G G F S S Q L L L L NN S W G G G G F S S Q L L L L NN S W G G G G F S S Q L L L L NN S W G G G G F S S Q L L L L NN S W G G G G F S S Q L L L L L NN S W G G G G F S S Q L L L L L NN S W G G G G F S S Q L L L L L NN S W G G G G F S S Q L L L L L L NN S W G G G G F S S Q L L L L L L NN S W G G G G F S S Q L L L L L L NN S W G G G G F S S Q L L L L L L L L L L L L L L L L L

LiniDatoo LiDiooo2D7A646	90 100 110 120 Q D A I Y A A V N H D V V L V A S A G N T N A E L D F Y P A S Y D H V L S V
UniRef90_UPI0003B7A646 UniRef90_UPI0001CBA779 UniRef90_C4RKG6	DDAVARLTSGGVTVVAGAGNDDNDA <mark>C</mark> LRSPAG AVDTYTA F AVRRSUADGVTYAVAAGNENGADACTTTPAAVPEAUTV
UniRef90_A5JS74 UniRef90_U6l256	N N A A A K MI T Q G V F L A V A A G N S N T D A A S F S P A S E P T V C V D K V N E L S A N G I L L V S A I G N D G P V Y G S L S N P A D L M D V L G V
UniRef90_A7TI81 UniRef90_UPI000377A8DA	D L
UniRef90_UPI00047637C2 UniRef90_Q6FKK7	E T A V R G S I A A G I T Y A L A G G N N N Q S A C N F T P A R E P L A I T V N E A I E E L K Q G I V V V V A A G N S N M N A C W T S P A S V A D V I T V G
UniRef90_M9SRR9 UniRef90_A4Cl65	DQAVRNSI ASGVTYGVAAGNENQNAG NVSPARVTEAITV YEAIKYAAANDVLIVHAAGNDSQDEGTGPELADNVLTVGS
UniRef90_UPI0003732702 UniRef90_UPI0003737221	H N A V R Y A Y E Q D V V V V A A A G N T G G Q C Q K N A P G S P S T A V Y V L H Q A I C N S V A A G V T Y A V A A G N D Y A D A A N S V P A A Y A S G G A G V
UniRef90_M4V702 UniRef90_C6HE36 UniRef90_A9DT97	HEAYAYAYNNGVVI VSAAGNSNTNNDSTPMYPANNSPNNI NEGI AAVVRAGI FVSVSAGNAHRDASNDS PASESTVC SDAI KYAEKKDVLI VSAAGNEGLNLDDKKNYYYPNDNNFI
UniRef90_UPI000248CB19 UniRef90_K3VMA7	KEAV DYALARNVVI VAAAGNESNFAWTVYPARYQGVVSVG NRAIEALFKAGVVPVVAAGNENRETALTSPGSAPNAITVG
UniRef90_W4YYC4 UniRef90_B6K7R9	DDAII RAMI NAGII SVSVS GGND DFSSCRKS PART QEALITV
UniRef90_Q1IZQ6 UniRef90_A8M8I9	D D A V N N A A S K N L V <u> M A V </u> A G G N <u>D</u> N V D A <mark>C</mark> T
UniRef90_V6M4E8 UniRef90_M5FQF3	DAAVNGAVENGMHFAVAAGNESLINLINNPTEITIPGQVPGVT DAAVNGAVENGMHFAVAAGNDNKDACDY SPAAAELLAVITV
UniRef90_I1CFB1 UniRef90_M4ZX18 UniRef90_Q6BX57	ERAII A A V A A K DIV V MIV A A A G N A G A K S P P L Y P A A N P N V I N R A V D A A F D T GIL V M V V A A G N S N L N A C T T S P A S A S S A L T V G
UniRef90_D7GN89 UniRef90 W2UIN4	H K A II C R A R D K G IV T I V V A A G N E S G P A S A S T P A A Y D D A IV I T IV WD A II K Y A A E K D IV L I V N A A G N E G E D L D K T N V IY P N D A K D N S P
UniRef90_G4U7U5 UniRef90_A0YXC8	ENAVRICRANVLLVAAAGNNG <mark>CDCIHV</mark> PAAIPSVLAVGA
UniRef90_W4Z9S9 UniRef90_UPI00035DEE53	D N A V K N M V N A G V P T A V A A G N D N A N A C N Y S P A R E S T A L T V R A A V E R A H T A G I V L V A A A G N T S P T C K Y G A V A W P A H L P Q V I L E K V W E L T S N G V I M I S A L G N D G P L Y G T L N N P A D M M D V I G V
UniRef90_I1GJH4 UniRef90_I2EYU2 UniRef90_UPI0003694CA8	LEKVWELTSNGVIMISALGNDGPLYGTLNNPADMMDVIGV QNAADWAAQAGILVVVASAGNEG SSAWKYLGTPADADSII HEAFKAATDAGILVVAAAGNYSMDAPQYPANYDLDGLVAA
UniRef90_A5GSF9 UniRef90_Q5E552	DSAVKAAANQGIKFÄÏAAGNSGSDADGYSPAAAGDHPNVY AGALAALVYSNAKLPGLQNPSIV
UniRef90_D2S219 UniRef90_UPI0003600D1C	R S T K D A V K R D T T V V A A A G N N A G Y G S T S P G T R D V T V G D T M V E Q A L R N K V V A S A G N N G P E A K P V Y P A A L P G V
UniRef90_D0LXR0 UniRef90_Q12JK6	E D A A A A D A A D L F V A A A G N S N S N N D S T P S Y P A S V P N V L A K D S D S A G D A G L F L A A A G N G A S D N D V T P S Y P A S Y D S A A V
UniRef90_C5LSH1 UniRef90_H2BX05	QRAIRNAADLGHIVVAAAAGNDDLNLDQFPAYP <mark>C</mark> SYAPVAAQRAIDYAYKNGVTLIASAGNDGMNYDGNGSPGSLNNVITIRAATQGRDGKG <mark>C</mark> VIVFAAGNANRNGPTDWLSGFAAHPDVI
UniRef90_UPI00031F3837 UniRef90_D9UDC3 UniRef90_A9V683	DAAVRYALGKNVVVVASAGNDG EKGDHVSYPAAYPGVI VAKVQELTARGI VLVSALGNDGPLYGTLNNPGDMNSVIGV
UniRef90_D5E3N3 UniRef90_G3JEB0	K R A Q Y A V K N G V T V V A G S G N E S L N L D G P A T V V P A Q M P G V I N E A A T R L Q S S G C F V A A A A G N S N A D A N T F S P A S A P S I C
UniRef90_A0A058Z966 UniRef90_R6K2E7	D A IV VIA A ILIN A GIVISIVI IA A A GIN E N R D A CKA T S P A RIVIG P A IVITIVI
UniRef90_UPI00036A711B UniRef90_J9N0U9	QQTVEAWRAAGILPVFSSGNAGPSCGSAGSPGDYESSYAV NDAVKAATDAGLTVVVAAAGNS DDDASYYSPASAPSAITV
UniRef90_C4Z510 UniRef90_I4AQJ2 UniRef90_H8MW43	EKAI EKLWDNNI TVVAAAGNEGPGRQTVALPGTCKKI ITV DNAVTSAANSGVYFALAAGNEAQNTNNVSPGRVNGSRI FT QTAI NAA <u>N</u> ARG <u>S</u> I I V <u>V</u> AAGNEN <u>V</u> N TS <u>S</u> SFP C NQQNVI
UniRef90_V6L5J6 UniRef90_W7HUN7	DAAVRHALREGVVVVÅSAGNDGKDGD HVSYPAAYPGVI LMMLQKATQAGVHVSVAAGNDNTDACGFNPAAFSRQIPII
UniRef90_H8GWZ1 UniRef90_W6WRB9	K D A F D Y A M A N G T T V V A S M G N T Y H D E F Q Y P A A L P G L I A S G A R A A I G S A L D S G V L V V A A A G N D G R K P V S Y P A P T P S S E S S D I
UniRef90_A0A031I725 UniRef90_UPI00037562D0	QNAINAAVSRGVPVVVAAGNENQPAANVRPANCRN TI QEAIDYALDKDIVVVAASGNEGDKAFPSEPGSCY GVL
UniRef90_UPI0004798729 UniRef90_W7SLS2 UniRef90_K9TQX9	Y D A I K Y A A E N D V L F V H A A G N S S Q D L D D P K N P N F P N A D N V I R D A V Q Y A L S R D V V V V A A A G N E Q Q S Q P G Q T W Y P A A Y P G V L E E A L I Y A R E R G A V I V S A S G N D G G D Q R F S S V R Y P A A H A T G I E E V A K R A L A A G T L I I A A A G N E S R P D F I A P V S H P A N C P S I V N Q A A A G L V G H G V F L A V A A G N D N T D A S G Y S P A S E P T A C
UniRef90_V8QPB6 UniRef90_A9UGV2	E E VA K R ALLA A G T L I I A A A G N E S R P D F L A P V S H P A N C P S L V N Q A A A G L V G H G V F L A V A A G N D N T D A S G Y S P A S E P T A C
UniRef90_H5UPA2 UniRef90_UPI00036F0EF7	RRAYAFADRRGVVSAAAAGNSAYDVNTT <mark>CHDIPTELPGVV</mark> AELFREVRELGILTVASTGNNGTEDISLPADYPDVLAVGASQAVDAAVSSGAVVVVAAAGNSGDEPGTVGSPAPAGAPNHS
UniRef90_R7XIA4 UniRef90_A0A024T8Q2	O A NIVIN A WRAA GILLIPIVIE A NGNSGPSCRTANSPGDYK NIVLIGIVI
UniRef90_Q29QG9 UniRef90_UPI000185E1D3 UniRef90_UPI0003B46C59	VEKVLELSANNVI MI SAAGNDGPLYGTLNNPGDQSDVVGVERAINKSHEAGHIFVCAAGNSGQNDRSPSYPASYTSPNIVDDAIARMTGAGVTTVVAAGNENTDACTT SPARAPSALTVKAALRAAGEQGVLVVAAAGNAGSDEPTGFWPASYRLDNLI
UniRef90_0P10003B46C59 UniRef90_Q0A610 UniRef90_B0X4I7	GRIVIGEIL VINKYGIVVIWIVIASAGNAGPAILI <mark>U</mark> TTI IGTPPDII ISQPS <mark>U</mark> IVI
UniRef90_G6E8J1 UniRef90_Q65Z76	D A A V V A A A A T G V R F T I A A G N S A A D A N N Y S P A R V N A Q N V Y T N O A I D A I H N A G V T V V V A A G N F N D D A S K Y S P A S A S K A I
UniRef90_F4PKS4 UniRef90_M7ZEL7	Q M A A D A A A E R G M T V V V S A G N S G E K G I G A P A D G M N V L A I A A D I V N E V V D K H R I I F I S S A G N N G P A L N T V G A P G G T S S S I I G
UniRef90_C5GHL3 UniRef90_F8CJF6 UniRef90_F0ZI19	DLAVNAAVDAGI HFAVAAGNDNADSCSY SPAAAEKAVTV QDAIDAALGRGAIIVVAAGNEDVDARN STPCNQQNVI DKVADIAVTKGMVCIISAGNEGETGISEPADDSDVISVGA
UniRef90_F02119 UniRef90_X1H6N5 UniRef90_F4RT14	E A V N Y A W S Q G A V 1 A A A G
UniRef90_L8WN16 UniRef90_Q090G0	DAAIVITRAIVIALIGIVIHIVVVIAAGNSNRDAKDFSPARIVIPDIVI ITVIG
UniRef90_G9MIQ9 UniRef90_M2QMA7	NNAI TALANAGI VPVVAAAGNENQDTANTSPGSAPQAITVG DTAVRRAVSAGITNTVASGNSNTNACSTS PARVKEAL SDLADLASKKGMVVVSGLGNSGEDGLGAPADGNYVIAVGA
UniRef90_F0ZMG5 UniRef90_R6PME6	S DI A DLA S K K G MV V V S G I G N S G E D G L G A P A D G N Y V I A V G A T E A V D Y F T K N G G G E K M N G G F A A G N N G E E G N Y Y P G C L D K V V N M A V E G A I E E G I V F V A A A G N F N L D A Y W A S P A S A E N V I T V G
UniRef90_H0GD66	N M A V E G A I E E G I V F V A A A G N F N L D A Y W A S P A S A E N V L T V G

UniRef90 UPI0003B7A646	130 140 150 160 G WT G A D D V R A S R A T Y S R R I D L V A P G D N I Y T T W G D T D S D Y V
UniRef90_UPI0001CBA779	GATDNNDVRAYFSNYGT <mark>C</mark> VDIFAPGVDIVSAGHLSDDDEA
UniRef90_C4RKG6 UniRef90_A5JS74	AATGVTDARAPFŠNIĞT <mark>C</mark> VDLFAPĞVDLTSAYIĞĞDTVTR
UniRef90_U6l256	T V G A S D S S D R R S S F S N Y G S V L D T F A P G T S V T S L W I G G R T N G G V D A N G D L A T F S S G Y G R F K P D V V G W A T G L V S S N S D G G C K
UniRef90_A7TI81 UniRef90_UPI000377A8DA	G <u>A</u> ST <u>L</u> SDSRAYFSNWGQ <mark>C</mark> V S I FAPG <u>L</u> N <u>I</u> L STY <u> </u> L GSPDATA
UniRef90 UPI000377A6DA	GATESNDARASYSNYGT <mark>C</mark> I IDII IE GPGSNII ITSAGHNSDTGTA
UniRef90_Q6FKK7	A F D D R [
UniRef90_M9SRR9 UniRef90_A4Cl65	G S T T N T D A R S S F S N W G T V V D I F A P G S S T T S S W N T S D S A T N I D S S Y G S F M V S S F S N Y G R S Q V D V F A P G G N I Y S T M P G N A Y D
UniRef90_UPI0003732702	TVASVNEHGAPSEFTVPGPWVDVSAPGVNRVSHGSDSEPQ
UniRef90_UPI0003737221 UniRef90 M4V702	S T
UniRef90_C6HE36	TI GATDDKDK AKFSNFG SGIDLFAPG VDI LSTVPGGKTE
UniRef90_A9DT97 UniRef90_UPI000248CB19	AVGSSNYSNESNYTNYGKKTVDLFAPGEDIKV LTWNGVD SVSRLANNALTISDFSNIGKITTVAQGTGVYSTALSGGYA
UniRef90_K3VMA7	ALD ATSDQRADFSNFGPEVDIYAPGVDVLSVGLKSNTDTA
UniRef90_W4YYC4	A D A T S D Q R A D F S N F G P E V D I Y A P G V D V L S V G I K S N T D T A G A T D S A D V R A S F S N Y G T C L D I F A P G V A I T S A W Y T S V D S T N G A M T W K D E V A S F S N L G S C V D V F A P G H Y V L S D W I G S D S A F M
UniRef90_B6K7R9 UniRef90 Q1IZQ6	G A M T W K D E V A S F S N L G S C V D V F A P G H Y V L S D W I G S D S A F M G A T D R N D A R A S F S N Y G S C L D L F A P G V N I T S T W I G S T T A T N
UniRef90_A8M8I9	VS GLD R D S E NLWS G A LT G R Q T V L T A P A T G L V G A R S P K G Y W
UniRef90_V6M4E8 UniRef90_M5FQF3	TVSSSIE WSEAFYSNYGTRSI DVAAPGGDNGPLYAETGYA GASTLADQRAYFSNFGK <mark>C</mark> VDVFAPGLNI LSTWATSNMSTN
UniRef90_I1CFB1	GASTLADQRAYFSNFGKCVDVFAPGLNLLSTWATSNMSTN GASTVFDERAYFSNYGKCVDVFAPGLDLQSLWIGSKTATN
UniRef90_M4ZX18 UniRef90_Q6BX57	A V S A T D T R D Q L L T A S N R G N Y I A L A A P G A D I F L P A P D G K Y Q A I D D K T D G L A T F S N W G E C V D V F A S G T F V E S V N T K D H R Y P Q
UniRef90_D7GN89	A A T G Y G A D D T F A S F S N Y G P I V D I G A P G V N I R S T W K G S A Y N
UniRef90_W2UIN4 UniRef90 G4U7U5	GASALDDS RAYESNY GKOT DI FAPGISI IST WIGSKYAT N
UniRef90_A0YXC8	MDGNGKPLDFSNWGETY <u>K</u> NQ_GLLAPG <u>K</u> DLLGAKPGGGTH
UniRef90_W4Z9S9 UniRef90 UPI00035DEE53	GATDSNDRRSSFSNYGS <mark>C</mark> LDIFAPGTSLTSTWHTSNSATN AVAALEORHSPAEYSVPGPWVDLAAPGGPLDGGETADGPY
UniRef90_I1GJH4	GGIDYEDRLAPFSSGYGRVKPDLITYSSGVRGSALHSGCR
UniRef90_I2EYU2 UniRef90_UPI0003694CA8	AVA ALE QRHSPAEYS VP GPWV DI A APG GPI DG GET ADG PY GGI DYE DRLAPFSSGY GRVK PDI ITYSSGV RGSALHSG CRAVGAVGSTLNVASFSSY GPSFDGSAQGAGTI I GGTNGSI GGATAPDLE GPDYTSNY GCGAVDLFVTSEDATTTFPGNSY GTVSAVDSSWSNWDDPNGGDDVDFAAPGVSVRSYYK GGNLADEKNVASFSSY GRUKLENDER GR
UniRef90_A5GSF9	TÜS AVDSSWSNWDDPNGGDDVDFAAPGVSVRSYYKGGNLA
UniRef90_Q5E552 UniRef90_D2S219	DEKNIVARI VISIVIT VIDHPFGQTLLIGYII GKEVTVSTSEGKDYE
UniRef90_UPI0003600D1C	SSVN PSFSRQGPTPIGRYVKPDLVAPGDGVTAPDRTTGYRAVTAIDNKEQIFSRANRGSYIDLAAPGVGIFTTAPQSSYKVASTTRTDARSSFSSYGATSVDLGAPGSDILSTIPGGGYA
UniRef90_D0LXR0	WASTTRTDARSSFSSYGATSVDLGAPGSDILSTIPGGGYA
UniRef90_Q12JK6 UniRef90_C5LSH1	M A [
UniRef90_H2BX05	SATATNEDLPASYTTYGKSLIDLAAPGGDGDVSVLDDAEN
UniRef90_UPI00031F3837 UniRef90_D9UDC3	A V S
UniRef90_A9V683	
UniRef90_D5E3N3 UniRef90_G3JEB0	NVSASTKWSTAFYSNYGNSAIDVAAPGGDTWPTYLGTSYE AVGATDSEDRRSPFSNFGSVVGLFAPGSDLLSTWNDGQAK CASDASDKRASFSNFGSCTDLFAPGVSLTSTWLGSNTALA
UniRef90_A0A058Z966	CASDASDKRASFSNFGSCTDLFAPGVSLTSTWLGSNTALA
UniRef90_R6K2E7 UniRef90_UPI00036A711B	GSMDDKTSGRGPTTDGFPKPELVVAGSNITACSNRKNGYSGAYASSGALASFSGRGSGTKPNLAAPGVSVRSSLAGGGYA
UniRef90_J9N0U9	GAVESSNYRTAWSNYGS <u>L</u> V <u>DJI</u> F <u>AP</u> GSG <u>V</u> LJSA <u>W</u> HLJSDSGSR
UniRef90_C4Z510 UniRef90_I4AQJ2	\$\begin{align*} \begin{align*} \begin{align*} \begin{align*} \begin{align*} \begin{align*} \begin{align*} \begin{align*} \begin* \begin{align*} \begin* \begin
UniRef90_H8MW43	CVGATRENGKRASYSNEGT QVDVMAAGSTLPNSSNQPSYE
UniRef90_V6L5J6 UniRef90_W7HUN7	TVGATDVNDNKASFSNFGS <mark>C</mark> VDII HAPGTQVLISTWNNGGTN
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UnRespondent (1) De Para Del S H GT H V S GT H		
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UNINGREGO DEBRIZZ UNINGREGO MODERIZ UNINGREGO DEBRIZZ UNINGREGO DE	UniRef90_E603K1 UniRef90_UPI000372415C	DCNGHGTHVAGITUGST TYGVAKGVALVIGVRV
UNINGREGO DEBRIZZ UNINGREGO MODERIZ UNINGREGO DEBRIZZ UNINGREGO DE	UniRef90_B7RY89	HGTALASELAA NDAGYQGLLPNAQLYAAAV
UNINGREGO DEBRIZZ UNINGREGO MODERIZ UNINGREGO DEBRIZZ UNINGREGO DE	UniRef90_W0BBN5	H G I H V A G I I A G Y G D V M K G M G E N L K I L P V K L
UNINGREGO DEBRIZZ UNINGREGO MODERIZ UNINGREGO DEBRIZZ UNINGREGO DE	UniRef90 J5J4B2	PNYDDKTGHGTHI AGTI ASK TYGVAKKAHI VSVKV
UNINGREGO DEBRIZZ UNINGREGO MODERIZ UNINGREGO DEBRIZZ UNINGREGO DE	UniRef90_A8QMW6	T D G N G H G T H C A G T I G S K T Y G V A K K T K I Y G V K V
UNINGREGO DEBRIZZ UNINGREGO MODERIZ UNINGREGO DEBRIZZ UNINGREGO DE	UniRef90_UP1000365F04C	DUNGHGIHVAGIVAGAE YGVAKUVUL VIGIVAV
Unimeredo Folk Property P	UniRef90_F9G0Y1	F VD A N G H G T H C A G T I A G K E Y G V A K R A N L T A V K V
Unimeredo Folk Property P	UniRef90_K2B7D0	DPQDEYGHGTHVSGLIAAENNTVGVRGVAPSAQIMPVKV
Unimeredo Folk Property P	UniRef90_D8KJZ2 UniRef90_D2R0I 6	H G T Y M A S I I A G H G H G P G V I G V A P R A R V I G V R V
Unimeredo Folk Property P	UniRef90_K9TDZ6	EDSDNHGTACAGVAVAEENGIGIVGVAPGCALMPIRT
Unimeredo Folk Property P	UniRef90_H6C8Q2	DGNGHGTHCSGTI AGKK FGVAKKANVYAVKV
Unimeredo Folk Property P	UniRef90_E2EYY6	NDNDENGHGTHCAGTIGSK TYGVAKKATLVAVRV
UniRef90	UniRef90_UPI0002E9ED10	HGTLVSGVIAAKGNSQGISGVAPNAKILPVRV
UniRef90	UniRef90_F0LPJ2 UniRef90_K5WNG6	RDGNGHGTHVAGTQIQGALINNAMU <u>VV</u> GVAAGVIVV
UniRef90	UniRef90_C5KRN5	NVN D E N G H G T H V A G L A G A Q T N N S L G L A G V A D V K L M L K F
UniRef90	UniRef90_M0E4I7	DATDGNGHGTHVAGTVAGGNASGTALIGVAPNASILHGIKV
UniRef90	UniRef90_B11693 UniRef90_C5PCX1	D D T D G N G H G T H V G G T I G G S L T Y G V A K K V R I I A V K V
UniRef90	UniRef90_T0CAD6	H G T A V A G V I A A H N N G L G L K G V A K G L K I I P I V K
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UniRef90	UniRef90_UPI00016A4143	PSNSSWHGTQVAGITAAANNGIGIAGVNWYGKMLPVRV
UniRef90	UniRef90_F2F3V8 UniRef90_Q0TVA9	PIDDNGHGTALASLT YDLSGPYP LEITPLKS
UniRef90	UniRef90_E8JGL0	WKDDHYHGTHVAGTIAAAHNGIGVDGVAPEATLVALKT
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UNIRE190_A4AQA3 UNIRE190_UP10002626157 UNIRE190_UP100020560E2 UNIRE190_MOPJK9 UNIRE190_MOPJK9 UNIRE190_A0A023BV14 UNIRE190_K6VKS0 UNIRE190_K6VKS0 UNIRE190_UP100032B014 UNIRE190_UP100032B014 UNIRE190_UP100032B014 UNIRE190_UP100032B014 UNIRE190_UP100032B014 UNIRE190_UP100032B014 UNIRE190_UP100035006AC UNIRE190_UP100037BF294 UNIRE190_UP100037BF294 UNIRE190_UP1000380B8AF UNIRE190_UP10003860B8AF UNIRE190_UP10003860B8AF UNIRE190_UP10003860B8AF UNIRE190_UP1000380B8AF UNIRE190_UP10003860B8AF UNIRE190_UP10003860B8AF UNIRE190_UP10003860B8AF UNIRE190_UP10003860B8AF UNIRE190_UP10003860B8AF UNIRE190_UP10003860B8AF UNIRE190_UP10003860B8AF UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP10003860B8AF UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP1000380B8AF UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP1000380B8AF UNIRE190_UP1000378F294 UNIRE190_	UniRef90_Q15P22 UniRef90_B7G7C5	DILING H G T HIVIA G TIVIG S K T Y G GIVIA F D A NIL V V V K A
UNIRE190_A4AQA3 UNIRE190_UP10002626157 UNIRE190_UP100020560E2 UNIRE190_MOPJK9 UNIRE190_MOPJK9 UNIRE190_A0A023BV14 UNIRE190_K6VKS0 UNIRE190_K6VKS0 UNIRE190_UP100032B014 UNIRE190_UP100032B014 UNIRE190_UP100032B014 UNIRE190_UP100032B014 UNIRE190_UP100032B014 UNIRE190_UP100032B014 UNIRE190_UP100035006AC UNIRE190_UP100037BF294 UNIRE190_UP100037BF294 UNIRE190_UP1000380B8AF UNIRE190_UP10003860B8AF UNIRE190_UP10003860B8AF UNIRE190_UP10003860B8AF UNIRE190_UP1000380B8AF UNIRE190_UP10003860B8AF UNIRE190_UP10003860B8AF UNIRE190_UP10003860B8AF UNIRE190_UP10003860B8AF UNIRE190_UP10003860B8AF UNIRE190_UP10003860B8AF UNIRE190_UP10003860B8AF UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP10003860B8AF UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP1000380B8AF UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP1000378F294 UNIRE190_UP1000380B8AF UNIRE190_UP1000378F294 UNIRE190_	UniRef90_K4N6R6	DKGAHGTHCSGTI AARNNNIGIAGVWKNTKLISYQS
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UniRef90_UP10002560E2 UniRef90_A0A023BV14 UniRef90_A0A023BV14 UniRef90_A0A023BV14 UniRef90_A0A023BV14 UniRef90_UP100032D560E2 UniRef90_A0A023BV14 UniRef90_UP10C04 UniRef90_UP10C046A53BE UniRef90_UP10C003E6PE3 UniRef90_UP10C03E6PE3	Unikei90_K3W9WZ	PIDNAGAGIAIVIAGSAIVIGKN GII IGIVIAPGAK WSA <mark>C</mark> KA
UniRef90_UPl0002D560E2 UniRef90_MOPJK9 UniRef90_MOPJK9 UniRef90_MOPJK9 UniRef90_A0A023BV14 UniRef90_RALFU6 UniRef90_D4CZQ4 UniRef90_D4CZQ4 UniRef90_D4CZQ4 UniRef90_D2ET26 UniRef90_UPl0003606AC UniRef90_A0A017S7F5 UniRef90_UPl0003606AC UniRef90_A0A017S7F5 UniRef90_A0A017S7F5 UniRef90_D10003606AC UniRef90_A0A017S7F5 UniRef90_D10003606AC UniRef90_D10003606AC UniRef90_D10003606AC UniRef90_D10003606AC UniRef90_D10003606AC UniRef90_D10003606AC UniRef90_UPl0003606AC UniRef90_D10003606AC UniRef90_UPl0003606AC UniRef90_UPl0003606AC UniRef90_D10003606AC UniRef90_D1000366AC UniRef90_D10003606AC UniRef90_D1003606AC UniRef90_D1003606AC UniRef90_D1003606AC UniRef90_D1003606AC UniRef90_D	UniRef90_UPI0002626157	T I L P V R I
UniRef90_MOPJK9 UniRef90_AQA023BVI4 UniRef90_AQA023BVI4 UniRef90_EACPQ4 UniRef90_D4CZQ4 UniRef90_UCACQ4 UniRef		DATDGNGHGTHVASTVAG EAHGVAKKADVVAVRV
UniRef90_K6VKS0	UniRef90_M0PJK9	DPYDSSDHGTHVSGTVVGGNASGEYIGVAPEATLYHGLV
Uniref90_D4CZQ4	UniRef90_A0A023BVI4	N WG D R N G H G T H V A G L I G A M H N G D G V V G V A P G A K I V A V K V
UniRef90_D4CZQ4		DPQGHGTHVAGILAGASNNGTGVAGILASGVPILLPVRA
UniRef90_UP100036006AC UniRef90_AOA017S7F5 UniRef90_AOA017S7F5 UniRef90_AOROPER UniRef90_AOROPER UniRef90_AOROPER UniRef90_AOROPER UniRef90_AOROPER UniRef90_AOROPER UniRef90_AOROPER UniRef90_UP10002EC2FCB UniRef90_UP100046A533E UniRef90_UP100046A533E UniRef90_UP100037BF294 UniRef90_UP100037BF294 UniRef90_UP1000380BAAF UniRef90_UP1000380BAAF UniRef90_UP1000380BAAF UniRef90_UP1000380BAAF UniRef90_UP1000380BAAF UniRef90_UP100036509A6 UniRef90_UP1000365F672 UniRef90_UP100036FF672 UniRef90_UP100036FF672 UniRef90_VAJSW1 UniRef90_UP100036FF672 UniRef90_VAJSW1 UniRef90_UP100036FF672 UniRef90_UP100036FF672 UniRef90_UP100036FF672 UniRef90_VAJSW1 UNIREF90_UP100036FF672 UniRef90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_UP100036	UniRef90_D4CZQ4	MDCNGHGTHVSGTI GGK TFGVAKKSNV VAVKV
UniRef90_UP100036006AC UniRef90_AOA017S7F5 UniRef90_AOA017S7F5 UniRef90_AOROPER UniRef90_AOROPER UniRef90_AOROPER UniRef90_AOROPER UniRef90_AOROPER UniRef90_AOROPER UniRef90_AOROPER UniRef90_UP10002EC2FCB UniRef90_UP100046A533E UniRef90_UP100046A533E UniRef90_UP100037BF294 UniRef90_UP100037BF294 UniRef90_UP1000380BAAF UniRef90_UP1000380BAAF UniRef90_UP1000380BAAF UniRef90_UP1000380BAAF UniRef90_UP1000380BAAF UniRef90_UP100036509A6 UniRef90_UP1000365F672 UniRef90_UP100036FF672 UniRef90_UP100036FF672 UniRef90_VAJSW1 UniRef90_UP100036FF672 UniRef90_VAJSW1 UniRef90_UP100036FF672 UniRef90_UP100036FF672 UniRef90_UP100036FF672 UniRef90_VAJSW1 UNIREF90_UP100036FF672 UniRef90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_VAJSW1 UNIREF90_UP100036FF672 UNIREF90_UP100036	UniRef90_U1RGL8	WKDDHYHGTHVAGTIAVGSTEEYGAAGWADKCKIMDUOW
UniRef90_UPi0003606AC UniRef90_A0A01757F5 UniRef90_B9W8S2 UniRef90_APRCQ9 UniRef90_UPi0002EC2FCB UniRef90_UPi0002EC2FCB UniRef90_UPi0002EC2FCB UniRef90_UPi00037BF294 UniRef90_UPi00037BF294 UniRef90_UPi0003808AF UniRef90_UPi0003808AF UniRef90_UPi0003808AF UniRef90_UPi00036509A6 UniRef90_UPi0003FF678 UniRef90_UPi0003FF678 UniRef90_UPi00036FF62 UniRef90_UPi00036FF62 UniRef90_UPi00036FF62 UniRef90_UPi00036FF62 UniRef90_UPi00036FF62 UniRef90_UPi00036FF62 UniRef90_UPi0003FF6762 UniRef90_UPi00036FF62 UniRef90_UPi00036FF62 UniRef90_UPi00036FF62 UniRef90_UPi00036FF62 UniRef90_UPi0003FF6762 UniRef90_UPi0003F67662 UniRef90_	UniRef90_G4TFI5	Q DILIN G H G I HIVIS G I IVIA G K I IVIGIVIA K Q A SIVIF MILIK C
UniRef90_F7PQV4 UniRef90_B9W8S2 UniRef90_A9RCQ9 UniRef90_UP10002EC2FCB UniRef90_UP10003739679 UniRef90_UP1000375B578 UniRef90_UP100036FF62 UniRef90_UP1000375B778 UniRef90_UP1000375B778 UniRef90_UP1000375B778 UniRef90_UP1000375B778 UniRef90_UP100036FF62 UniRef90_UP1000365BAF UniRef90_UP1000375B778 UniRef90_UP100036FF62 UniRef90_U	UniRef90_UPI00036006AC	; NAVAGSAHGVS <mark>C</mark> AGSII AASHNSLGVRGVAPLVNL ISVNI
UniRef90_B9W8S2 UniRef90_A9RCQ9 UniRef90_UPl0002EC2FCB UniRef90_UPl0002EC2FCB UniRef90_UPl00046A533E UniRef90_UPl00037BF294 UniRef90_UPl00037BF294 UniRef90_UPl0003808AF UniRef90_UPl0003808AF UniRef90_UPl0003808AF UniRef90_UPl0003804A5E UniRef90_UPl0003804A5E UniRef90_UPl0003804A5E UniRef90_UPl0003804A5E UniRef90_UPl00036509A6 UniRef90_UPl0003739679 UniRef90_UPl0003739679 UniRef90_UPl00036FF62		PTAMDDNGHGTAAAGVIAAADDDHGVVGVAPGVEIIVAMKV
UniRef90_A9RCQ9 UniRef90_S8BJ01 UniRef90_UPl0002EC2FCB UniRef90_UPl00046A533E UniRef90_UPl00046A533E UniRef90_UPl000378F294 UniRef90_UPl000380BAF UniRef90_UPl00036A4797 UniRef90_UPl00036509A6 UniRef90_UPl0003739679 UniRef90_UPl00036509A6 UniRef90_UPl000365FF62 UniRef90_UPl00036FF62 UniRef90_UPl00036FF62 UniRef90_UPl00036FF62 UniRef90_UPl00036FF62 UniRef90_K9DHS6 VIT D C S P H G T H V A G I	UniRef90_B9W8S2	PRILIF DDY HGTRCAGEII IA AIVIKN DIVI <mark>C</mark> GII IGIVIA WKS QIVIS GII IRII
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UniRef90_W4YCM8 UniRef90_UPl000380B8AF UniRef90_UPl0003804A5E UniRef90_UPl0003804A5E UniRef90_UPl0003739679 UniRef90_UPl00036509A6 UniRef90_UPl0001CBAEF4 UniRef90_UPl0003FFB778 UniRef90_UPl00036FFF62 UniRef90_UPl00036FFF62 UniRef90_UPl00036FFF62 UniRef90_UPl00036FFF62 UniRef90_W4 A A A K N G K G MV G V A P G V R I A S V R I UNIREF90_UPl00036FFF62 UniRef90_W4 A A A K N G K G MV G V A P G V R I A S V R I A G I A	UniRef90_UPI00046A533E	P A D P A T H G T H V IA G T IV L IG G D A S G T R II IGIV IA P D A E IL IM A IV IN A
UniRef90_W4YCM8 UniRef90_UPl000380B8AF UniRef90_UPl0003804A5E UniRef90_UPl0003804A5E UniRef90_UPl0003739679 UniRef90_UPl00036509A6 UniRef90_UPl0001CBAEF4 UniRef90_UPl0003FFB778 UniRef90_UPl00036FFF62 UniRef90_UPl00036FFF62 UniRef90_UPl00036FFF62 UniRef90_UPl00036FFF62 UniRef90_W4 A A A K N G K G MV G V A P G V R I A S V R I UNIREF90_UPl00036FFF62 UniRef90_W4 A A A K N G K G MV G V A P G V R I A S V R I A G I A		HQII APRAKIL L <u>PL</u> RV DEDGHGTHVASIL VIGGSGAAAGGSGVAPGADIL I VIGRV
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UniRef90_ UniRef90_ UniRef90	_B7RY89 _W0BBN5 _M5EXR3	A V T A V D E G H Q V F R L A N R G D Y L D L A A P G V G L L H A K A G G G Y V K V A A T G P Q G W R A Y Y S N Y G P A V T F A A P G G D L S S G Y L Q S G F D A V T A T D A K D G L M A Q A N R G A Y V F I S A P G V E M V A P S G A G S D
UniRef90_ UniRef90_ UniRef90	_J5J4B2 _A8QMW6 _UPI000365F04C	GNMKPDWT HNTSNFGSTVDIFGPGTDILSLSSADDKKLQ TVGATTSSDARSSFSNYGSLVDIFAPGSNILSTWIGGTTN GATNRRDGEASYSNYGSCLDIYAPGSNITSAWIGSDSDTN
UniRef90_ UniRef90_ UniRef90	UPI0002D81AB1 F9G0Y1 K2B7D0	G S T T S T D G R S W F S N Y G T C L D L F A P G S S I T A P W N D S D N G T N T V G S I G P A D T R S S F S N Y G N C L D L F A P G E N I R S A W I N G G D Q V A A I N V T G N P N I S T S D P R A A P D I G A P G L E I L S T V P D N D Y T A I G D H N D E I T R F S N W G A C V D L F A P G E G I V S S T P Y G N S T D S Y V S V G S V D A Q D R K S S F S N Y S D R L E V V A P G E N V Y A P A P G N A M A T V G S T D N Q D N R S S F S N I G S C L D L F A P G S G V T S T W N N G G T N A V T A V D E G H Q V F R L A N R G D Y L D L A A P G V G L L H A K A G G G Y V K V A A T G P Q G W R A Y Y S N Y G P A V T F A A P G V L L H A K A G G G Y V K V A A T G P Q G W R A Y Y S N Y G P A V T F A A P G V L S S S G Y L Q S G F D G N K P D W T I H N T S N F G S T V D I F G P G T D I L S L S S A D D K K L Q T V G A T T S S D A R S S F S N Y G S C L D I F A P G S N I L S T W I G G T T N G A T N R R D G E A S Y S N Y G S C L D I Y A P G S N I L S T W I G G T T N G G T N R R D G E A S Y S N Y G S C L D I Y A P G S N I L S T W I G G T T N G G T N R R D G E A S Y S N Y G S C L D I Y A P G S N I L S T W I G S T S S Y G G G A J D E D G Y K A E W S N W G K V D V M A P G V D I L S S I P G N L Y A S T I D R S I D K A K P D V T A P G V D I L A A W P S G I A V P G F N G G T Y A
UniRef90_ UniRef90_ UniRef90	_D2B0L6	STIDRSIDKAKPDVTAPGVDILAAWPSGIAVPGFNGGTYA SVAAADRGLRRASFSNWNPSVLVAAPGVDIFGAGPGDEYW TVSACTSLAKKAAYSNWGPSISVCAPSNNAPPGDSGDYTG
UniRef90_ UniRef90_ UniRef90	H6C8Q2 I0R1D7	GASTLADERAYFSNYGT <mark>C</mark> NDIFAPGLNVLSTWIGSKYATN SVTGLNKDLEATLSGTTGLDVTLSAPGAGLFGSYPGNQLA TVAAMDVNDARASFSNWGK <mark>C</mark> VDVFGPGVNVLSTWNNGKTN
	UPI0002E9ED10 F0LPJ2	S V G A T N L F G H R A P Y S N Y G K G L G V V A P G G D L S T S V G W G Q Y W T V S A I D N N D N F A Y F S N Y G S D V E Y A A P G V S V L S T K A G G G T V G A T T I G D A R A S F S N F G S V V D L F A P G Q S V L S S W L G S N S D T N
UniRef90_ UniRef90_ UniRef90	C5KRN5 M0E4I7	VDSNAWKNDAPADWPNEYAVPDISAPGVSVGSSLPGDKYG
UniRef90_ UniRef90_ UniRef90	C5PCX1 T0CAD6	IVAASNIINDQKASFSNFGSVVDII YAPGEEII LISLAPGGGIQ VVGSNDKSGKRAKSSNYGDSVHLFAPGVKLQTTHLSNTYG GATTNTDARASYSNYGSVIDII FAPGSSIITAGWYTSDTATN
UniRef90_ UniRef90_		VGAYTWS S R G P T A D G D L G V C I S A P G S G I L S S W N I S D I A I N V G A Y T W S S R G P T A D G D L G V C I S A P G A A L A P V P T W T L Q C R M A V G A T D S T G O R A W Y S N F G S D L T L S A P G S N L L S T T N A G T Y G
UniRef90_ UniRef90_ UniRef90	F2F3V8 Q0TVA9	A I I G S I N Q N H V R S S F S I I N D I L I D F V S P G E K V Q D Y I M L G S I K G S V N I R N T V S S F S N T G K C V D I Y G P G F O I I S A W A T G D T I I N
	UPI0003FEA005 Q15PZ2	A A A S T G V L D R A Y F S N Y G V K S V D V A A P G V R V W S T V P T S G Y A T V S A S N S L G K K S A Y S N W G V G V S V C A P G V F T T D R T G A G G Y D G A I S D N Y T Q D N A N D D T A F I K P D M V A P G G H M F S L A N E D M Y V A V G S L D S D K R R S S W S N W G S C V D L F A P G S G I L S L S Q S N G T T
UniRef90_ UniRef90_ UniRef90	K4N6R6 K2R445	TNGKDKKIHFSNSGAW ISVSAPGDGIKSCGIYGDDSYE TVGATDKDDKLASFSNFGLLVDVLAPGVDIKSTWNDGKTN VGALRSDGTRWSSSNFSFSKVHVVAPGVNI MSTLPSSGYG
UniRef90_	D9T6P2 UPI00046FA2B4	GVGAIGRDGTRSAFSQTGSYVDVVAPGSEVLMAAPRSGHQ SMAAVNIAGERAPFSSTGPSADVAACGWDTWIQKYPDEIG GATNADDSILIFYSGTGPTPDVTAPGGAVYSADIJTSDDSYK
UniRef90_	A4AQA3 UPI0002626157	A V G S I D S D K R R S S W S N W G S C V D I F A P G S G I L S L S Q S N G T I T N G K D K K L H F S N S G A W I S V S A P G D G I K S C G I Y G D D S Y E T V G A T D K D D D K L A S F S N F G L L V D V L A P G V D I K S T W N D G K T N V G A I R S D G T R W S S S N F S E S K V H V Y A P G V N I M S T L P S S G Y G G V G A I G R D G T R S A F S Q T G S Y V D V V A P G S E V L M A A P R S G H Q S M A A V N I A G E R A P F S S T G P S A D V A A C G W D T W I Q K Y P D E I G G A T N A D D S L L F Y S G T G P T P D V T A P G G A V Y S A D I T S D D S Y K S V S A T A P Y N P A H Y S D Y G R S H V T V S A P G G D V L S T N P G G S W F G V G A V D M A G A R L P S S Q I G P Q V D L V A P G G S V L C A A R V A G H Q G A T D N K D A Q A T F S N Y G D V V D L V A P G G T S T R G P A G A T Y G
UniRef90_ UniRef90_	UPI0002D560E2	DTEADWGDAAPSDWPDTYVVPDYAAPGVAVNSAQPGGGYQVVGNMTSSDAAASGSNYGDNVHAWGPGTGLWSCGLGGNFA
UniRef90_ UniRef90_ UniRef90	K6VKS0 R4LFU6	T V A A S T Q N R T G A A F S N T G N A V T L S A P G T S I WG L G N T S T Y T A P G T G L Q Q N G T L A P Y S N T S G A A R I T A P G T G L Y G L D A T T G G Y V T V A A S T F Q D G K A D F S N F G Q V V D V Y A P G D S I T S A K P G G G S Q
UniRef90_ UniRef90_ UniRef90	D2ET26	A A CT P E Y K S I F T N Y S L G T N V S A P G Q R I W S D L P I P P F G
	UPI00036006AC A0A017S7F5 F7PQV4	AVG A F A N T GVR S A Y S N Y G P A L D L VA P S N N V G G P G S T N Y T A T V G A L D R A G K H P S Y S E S C S Y S S G S G D A L H T T D V G P D T C S K A V A A T N Q S D Q T T T WS A E G N E V E L A A P G H A L R T T W P D G E L V T V G A L D Y K G L H P Q Y S E A C S A V M V V T Y S S G S T T D L K K K C S A G V Q Y T W S S R G P T A D G D L G V T L S A L G G A V A P V P K W T L Q P R M G G V S L G H V R G S Y S N Y G S A V K L M A P G T K L L S V G L A N S T A F A
UniRef90_ UniRef90_ UniRef90	A9RCQ9	TVGAIDYKGLHPQYSEA <mark>C</mark> SAVMVVTYSSGSTTDIKKK <mark>C</mark> SA GVQYTWSSRGPTADGDIGVTLSALGGAVAPVPKWTLQPRM GGVSLGHVRGSYSNYGSAVKI MAPGTKI LSVGIANSTAFA
UniRef90_	UPI0002EC2FCB UPI00046A533E	AVGMTNAERTVOPRSCGGTKPDASAPGVDLVSSVPGGGGG
UniRef90_ UniRef90_	UPI00037BF294 Q00208 W4YCM8	VIDRSGETAGFSARGNAHTVKPDLAAPGVGILGSRGDNHYAAASTKSNTRASFSNYGSVVDIFAPGQDILSAWIGSTTATNGSSDSQDSRSSFSCYGRCVQLFAPGSSITSLAHDSNDGTK
UniRef90_ UniRef90_	UPI000380B8AF UPI0003804A5E UPI00036A4797	VDRSGETAGFSARGNAHTVKPDLAAPGVGILGSRGDNHYAAAASTKSNTRASFSNYGSVVDIFAPGQDILSAWIGSTTATNGSSDSQDSRSSFSCYGRCVQLFAPGSSITSLAHDSNDGTKVVGATGREGNKANYSNHGPEVDVSAPGGDASTGRSTESYGTVAAIDESDRKASFSNWGGCVDISAPGTGITSAAMGGGLVTVAAITDESDRKASFSNWGGCVDISAPGTGITSAAMGGGLVTVASITTANAKSSFSNFGTDIALAAPGCDAVYSTLPGGTYG
UniRef90_ UniRef90_ UniRef90_	UPI0003739679 UPI00036509A6 UPI0001CBAEF4	T V A S L T T A N A K S S F S N F G T DI A L A A P G D A V Y S T L P G G T Y G T V A A T D R Y G S R A P Y S N Y G S L V T V A A P G G D G T T T P G T D N Y A V A G L D R D G Q P S S L G S V K A Q E I H L A A P A E D L Y L A L P G G R Y T G A T D V N D N R A G F S N W G S C L D L F A P G V A V R S A W Y T C D S C Y E A V T G V K E G S G Y Q R C D T C H S G S Q V G S N N K P L T T A N F G N D P A G N S N K T D Y K S G T S N H G R C L D L W A P G E N I Y S A Y H S S N S A Y S G A T S L D D E R W Y L S N F G E K V D I F A P G A D I I S A G L K S K D Y L F D T N D R A R M L S V T V D R E F G Q Q L L T Y A G Q Q V S V S T T L G E D Y E A V A A T G R T G G R A S Y S N Y G T L I D V A A P G N T G T T A P A S D S Y A V G A Y T W S S R G P S T D G A L G V S L S A P G G A L A S V P N W T L R G T Q G S T D A A G H M A S F S G S G P T R D P D V V A P G M D I I S T V P D T Y Y A
UniRef90_ UniRef90_ UniRef90_	UPI0003FFB778 UPI00036FFF62 X8J9X1	A V T G V K E G S G Y Q R C D T C H S G S Q V G S N N K P L T T A N F G N D P A G N S N K T D Y K S G T S N H G R C L D L WA P G E N I Y S A Y H S S N S A Y S G A T S D D E R W Y L S N F G E K V D I F A P G A D L I S A G I K S K D Y L F
UniRef90_ UniRef90_ UniRef90_	E8LZ00 K9DHS6 R4GC74	DTNDRARMLSVTVDREFGQQLLTYAGQQVSVSTTLGEDYE AVAATGRTGGRASYSNYGTLIDVAAPGNTGTTAPASDSYA VGAYTWSSRGPSTDGALGVSISAPGGAIIASVPNWTLRGTQ
UniRef90_	_F4BWJ6	GSTDAAGHMASFSGSGPTRDPDVVAPGMDII STVPDTYYA

UniRef90 W3XFP2	170 180 190 20 <u>T</u> II S G T S M A S P H L C G L T A Y Y L S L Q P S L T P E Q L K K D L K V A S	00
UniRef90_S2JRT9 UniRef90_UPI0004676544 UniRef90_W4B1G2 UniRef90_UPI00036F4F1C UniRef90_T0RKJ2 UniRef90_S8F5S3 UniRef90_N4W2S6 UniRef90_S0E616	VLSGTSMASPHVAGVAALLINKLDNPTPANLYKELTKLATALDGTSMACPVVSGFAAMLLENAPEVKGRELKQLLYRACNGWNGTSMACPHTTALAALLQANHSLTVDQLEQIITDTATLISGTSFSGPYTSGAAAVILGAKPSLDPYQVRRLLEETADTMSGTSMSAGFISATAAMIFSINPNLYVDQVKDLMVRTAQEKSGTSMAAPALSGIVALMLAVNPGLSTRQVREGLRQCSVTLSGTSMASPHVAGLAAYLMGLENLNTVKGVTDRMLALAG	<u>'</u>
UniRef90_A8LWF7 UniRef90_D7BHL5 UniRef90_G9MN19 UniRef90_C4QXW2 UniRef90_Q6UKM3 UniRef90_E8U3R1 UniRef90_UP1000372415C	Y MS G T S MA A P H V A G L A A Y F M A K E G L R G S S A V T K R I I G A A D T I S G T S M A A P H V A G L A A Y F M A K E G L R G S S A V T K R I I G A A D T I S G T S M A A P F V A G V A A L Y L E N H K G A S P D A V N A A I L D G S T S M S G T S M A A P F V A G V A A L Y L E N H K G A S P D A V N A A I L D G S T S M S G T S M S A P I V A G L A G L L D Q G V A P E D V K G K L I E L S D S M S G T S M A A P F V T G L I S Y L F D N A R N L T P Y Q I K T L I E N T A D A W S G T S M A A P M V S G G L A L A L A E G S L N P R D L A A N I I D K A D S L N G T S M A T P H V S G A V A L Y L A G N P T A T P A A V A S A L T G N A	
UniRef90_B7RY89 UniRef90_W0BBN5 UniRef90_M5EXR3 UniRef90_J5J4B2 UniRef90_A8QMW6 UniRef90_UPl000365F04C UniRef90_UPl0002D81AB1	ASSGTSFAVPFAVITA AANL MSQHPE KDVMTSL YQSAEFYQGTSMAAPHVAGVAGL IFAVSPKVSPEKVEQL LYTTTH VVTGTSFAAAL VTGALANLFHAAPDRSADNVEKALADTAR LMTGTSMAAPHVAGVALTFMSASGSPKRREI VSML DSTCT TISGTSMATPHIVGLGAYLAGLEGFPGAQALCKRIQTLST TISGTSMAAPHVTGAAALVLADTPSASPAQVRDTLVNNA	
UniRef90_F9G0Y1 UniRef90_K2B7D0 UniRef90_D8RJZ2 UniRef90_D2B0L6 UniRef90_K9TDZ6 UniRef90_H6C8Q2 UniRef90_I0R1D7	TAEGCS FAAPLVAGTAALIRSAHPDYTADQTAEALRSTAATISGTSMACPHVAGLSLYLRAKEGLTTPESVARRLKELATAY LLSGTSMSTPHAGGALAFVKSVHPSWSPAALKSALMTTATVGRGTSQATALVSGVAALIKAKYPEMSPALVAQALTAGASYFGGTSSACPVVAGVAALIKSVNPHLTAAQVKQLLEQSADTISGTSMASPHICGLLAYFLSLQPEITPKQMKANMIALATGWSGSSAATPLVSGVVALMRAQDPKASANDIVFRLINTTR	
UniRef90_E2EYY6 UniRef90_UPI0002E9ED10 UniRef90_F0LPJ2 UniRef90_K5WNG6 UniRef90_C5KRN5 UniRef90_M0E4I7 UniRef90_B1Y693	WMEGTSFSSPAVAGIVVALMKGEDSDLNREQIINILKSTAD TYNGTSMAAPHMCG SISGTSMATPHIAGLVAYLISLQGNVSPAAMSTKIKS FLSGTSMATPQVAGVAAVL YKSGTSMAAPHVSGVAALVLSATRKISDDELYDTLRDTAN RYNGTSMASPHVAGVAALMLANQPALTPVQVRDALKASAL	
UniRef90_C5PCX1 UniRef90_T0CAD6 UniRef90_L1KXW4 UniRef90_W7IRA1 UniRef90_A0A059DJY9 UniRef90_UPl00016A4143 UniRef90_F2F3V8 UniRef90_Q0TVA9	TLSGTSMAAPHIAGMGAYL YSSGTSFSTPLVAAIAAMVLATQGPETRWSMRDRLIKTSR TISGTSMATPHVAGAAAVYLAGHTSATPAQVASALTGGAV TLSGTSMATPHVVGVVARYLAGHTSATPAQVASALTGGAV TLSGTSMATPHVVGVVARYLATNPGASPATVASYLTSQAT LMNGTSMASPSACGGVASLLISAMKAVSPYTVRKALENTCL THSGTSLAAPQVAGVASLMLTANPNLTPAQIAQKLASTAR IVNGTSFSSAYFTGQLALL HTNLLHYSLKQLKKLLETAR	
UniRef90_E8JGL0 UniRef90_UPI0003FEA005 UniRef90_Q15PZ2 UniRef90_B7G7C5 UniRef90_K4N6R6 UniRef90_K2R445 UniRef90_R7K4E9	Y E S G T S M A S P H A A G V V A L L K E I H P G Y T A D Q L V A L L K Q Q A V Y F G G T S S A T P V V A G V A A L V L S V N P T L T A Q E V R R I L E Q S A D I M S G T S Q A S G V V S G V V A L M L Q D D P S L S A N D V K C R L M T S T T T K S G T S M A A P H V A G V A A L Y L Q A T M S G T S M A T P F V T G T I A Y L E D K A H D L T P Y Q I K A L L E K T A D I I S G T S M A T P H V A G L G A Y L L G L E Q R R S P R D L C A R I Q S L S T A Y Q G T S M A A P H V T G V A A L L L S L D P T L T G S E L K S I I I N S A D	
UniRef90_D9T6P2 UniRef90_UPl00046FA2B4 UniRef90_K3W9M2 UniRef90_A4AQA3 UniRef90_UPl0002626157 UniRef90_S3C3U7 UniRef90_UPl0002D560E2	R A E G T S Y A T P F V A G T A A L L R Q Y R P R L S A A E V A G L I V A A A D V S N G T S F S S P L V A G L T A C L W Q E Y P D K S P A E I V D A I I L Q S A S L D S G T S M A S P H V A G A I A L L L S A N P T L A Y D Q V L D A L K S T T D W S A G T S M A S P H V A G V A A L I L G K N G S M D P H E V T Q Q I T N T A D Y R D G T S F A A P F V A A T A A L V R S A R P D L S A P E V A A R L L A T A T T I S G T S M A S P H V A G A A A V Y L S G H K D A T P D A V S Q A L V D G A A N M M G T S M A T P L V S G T V A L M K Q R D P S I T P A R V E Q I L K S T A E L S G T S M A A P H I S G A Y A L M L S A A G D L D K S T A T E A L T E T A W	
UniRef90_M0PJK9 UniRef90_A0A023BVI4 UniRef90_K6VKS0 UniRef90_R4LFU6 UniRef90_D4CZQ4 UniRef90_U1RGL8 UniRef90_D2ET26	KKSGTSMASPYVAG SRYGTSMATPHVSAIASLMWSVSPSSTPAQIRSALVSSVT YKSGTSMAAPLVAASVALYEATHAGATTVQVTQALTGTAQ VLSGTSMATPHVAGLGAY YLSGTSMASPHAAGVAALIKEIHPDYTADQVIALMKKQAE MFDGTSMAAPIIITGTIALMKTIKPDINVKOCIAVIQKTGK	
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UniRef90_UPI0002EC2FCB UniRef90_UPI00046A533E UniRef90_L0A107 UniRef90_UPI00037BF294 UniRef90_Q00208 UniRef90_W4YCM8 UniRef90_UPI000380B8AF UniRef90_UPI0003804A5E	A I S G T S M A T P H V A G C A A L W A Q S D A S L R G R K L W D Q L I A S A R R S S G T S M A T P H V A G A V A A L R S A Q P G L T V A Q M E D A L E S T A W N V T G T S F A T P Q V V G L I A L A L A E G R T P R E V T E R L V G G A E A M S G T S M A A P H V A G A A A L L A Q R R P E L S A Q Q R K G L L V S A A T T I S G T S M A T P H V V G L S L Y L I A L E G L S S A S A V V S R I K E L A T T Y S G T S M A C P H V A G I A A V L L G Q G Y S A Q Q V Y E K I V S S A T Y L Q G T S M A T P H V A G A A A L M L S V D P S L T P A Q V E A Q L K A T S R P M S G T S M A A P H V A G A A A L M L S V D P S L T P A Q V E A Q L K A T S R P M S G T S M A A P H V A G A A A L M L S V D P S L T P A Q V E A Q L K A T S R	/
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FYEKASNAQKAGAAVILYNNAGYG
TAIFARATQWALDNGARVISMSLGG
TAIFARATQWALDNGARVISMSLGG
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UniRef90_UPI000380DFCE UniRef90_Q2N8H2	K S A IVIS Y A II IK K D IV I I V I A G S G N D G T D K PII IY P A A F P G IV I I
UniRef90_S8A1T7 UniRef90_A0YSJ1	R D A I A R A S A A G V V I V V S A G N G G D G S D T D N P A D Q P G G A N V I N D M V E V L Y K K G I I V V V A A G N S A E P A S S W S P A S A K N A I T V N A A L E Y A R Q N N I L V A V A A G N E G G D N I I T V G S A Q Q I D S E T S
UniRef90_I2NB18 UniRef90_Q488L4	NAATALANSG <mark>VHTTV</mark> AAGNNNQNA <mark>C</mark> NYSPASAPGALSI KNALQAAADTGVLLIAASGNDGNATLSYPASYDAVMAVGA
UniRef90_Q0TXC6 UniRef90_I3X694	S A A A N A A S S GLET AV A A G N S A A D A L D T S P A S E P S V E S A A F E A L L A N G T T I V A A M G N E R R E G S P L S Y P A A T P G V I
UniRef90_S8AQM9 UniRef90_Q8TGH1	F QL I Q R A L Q S G M H I S A S A G N E G S D A C S V Y P A A W S L Q T A L I N Q A A A A M V S S G V F L S V A A G N D G A D A S R Y S P A S E P S A C
UniRef90_N4UQL5 UniRef90_W3AHK2	N Q A A A A <u> V G</u> A G <u> F L A</u> A A A G N E N A D A G T
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UniRef90_UPI00035A25DA UniRef90_UPI0003687B4D UniRef90_Q2J5Z7	F F AIVIG Y AII IA H DIV V V VIA S A G N S G D T AII IN S P A SII IP GIV VIAIVIT G
UniRef90_UPI0001CBBEED UniRef90_P23314	D E A V E R M M D A G Y T V S I A A G N S N S D A C E L S P A R V P D A L T V Q N A I N G A V S G S L P A N C A N V I
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UniRef90_UPI00037A871E UniRef90_A8P8Q1	RTILIFEQILLIASGIVTII CAAMGNDRQ YGSPTSYPAAII PGVVDNAVTALTNAGILHVVAAAG GSNTGTENTSPARVPSVI TV

Jankeled Den 1900 1900 1900 1900 1900 1900 1900 190		120 140 150 160
June	UniRef90_W7IV22	AVGAVDAAGARADFSQTGPYLSIL VAPGVDVVSTGPGPGHW
JUNEADO JUMPHA-MORPHOTO A SECTION OF THE SIGN WE SIGN AND A SIGN A	UniRef90_R9KN32	GCFDDTYSGQGPTDHCIVKPELVLPGTNVTSCAPYPVMYT
JUNEADO JUMPHA-MORPHOTO A SECTION OF THE SIGN WE SIGN AND A SIGN A	UniRef90_N1UZR7	TVA A S D R Q G N R A P Y S N Y G S A V D V T A P G G S M E I E V S G G T Y A
JARRESO DIPLO00390PCC AV G & DIA K D G K Y S D F S N Y G B D H R L D A P G D D T Y S A G T D F K Y R T M RINGED SARATION TO A T N IN THE REPORT OF THE REPO	UniRef90_U1MHA4	IDSNYDPATFSGYWPSEYIQPNAAAPGVDIVSAEPGGTYQ
JARRESO DIPLO00390PCC AV G & DIA K D G K Y S D F S N Y G B D H R L D A P G D D T Y S A G T D F K Y R T M RINGED SARATION TO A T N IN THE REPORT OF THE REPO		AVAATTSVGAKASESNEGNGVDAPAVNGLIJSTIPGGGYG
June	UniRef90_UPI000380DFCE	AIVIGAIVIA K D G KIV L ID K S N Y G P HILIRIL LIA P G F NILIY S A G T T P K Y R
June		I VIGSVIDDT GAFSDFSNRAGDGAASGV L QVITT DSSGQQFVT
June	UniRef90_A0YSJ1	A WQ G F N R A E Y S N Y G N G L D L V A D S G T L E N P V I S T V G D G L G
Timested Carter	UniRef90_I2NB18	A A S D S A D N K A S F S N F G N C T D L Y G P G V G V V S T R M G G G T T
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This state	UniRef90_S6AQM9	TVGATTSTDARSSFSNFGKL VDI FAPGSAI LIST WINGGTR
This state	UniRef90_N4UQL5	TVGATEQDDSLAPYSNFGAVVDVLAPGSRIKSTWPGGSTN
Jimeseigo Costutas	UniRef90_VV3AFK2	TVGAIDSDWNPTSFTNYGPEVDII MAPGDHI ESIGSSNAVA
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Jimeseigo Costutas		S N E A G D I T D F S S G N T I A A V K P D V S A P G E D V L S A M P D D E Y D
Jimeseigo Costutas	UniRef90_L8J9Y9	NNKEGNRAFYSNFGDMIDLTAPGGGRSEGI LSTYNTGSYN
Julikagio CSKLX8 ST. D. P. D. R. P. A. S.L. A. D. W.S. D. A. G. S.V. T. K.I. A. P. G.V. W.I. Y. S. F. L. A. G. Q. Y. N. Julikagio O. Priousystostostostostostostostostostostostostos	UniRef90_1/JZJ6 UniRef90_A0A022TFT0	N S D G S D T K W I G G G F S N F G F K IV IDIVIF A F G I GII LIS I II IF G G G S G
Jinkelgo Diplo037505AC TVIS A T G P K DIV. LA N Y S N Y G P GI DI II A A IV G G D A ILS T S N D G S Y Y Jinkelgo B8K742 Jinkelgo B8K742 VVID A N G D P Y K LL X Y S N Y G P GI DI II A A IV G G D A ILS T S N D G S Y Y L Jinkelgo B8K742 VVID A N G D P Y K LL X Y S N Y G P GI DI II A A IV G G D A ILS T S N D G S Y Y L A ILG Y D V K L X Y S N Y G P GI DI II A A IV G G D A ILS T S N D G S Y Y L A ILG Y D V K L X Y S N Y G P GI DI II A A IV G G D A ILS T S N Y G P G D ILS T S N Y G P G D I ILS T S N Y G P G D I ILS T S N Y G P G D ILS T S N Y G P G D I ILS T S N Y G P G D ILS T S N Y G P G D ILS T S N Y G P G D ILS T S N Y G P G D ILS T S N Y G P G D ILS T	UniRef90_C5KLX8	STSDPDRPASLADWSDAGSVTKI AAPGVWI YSTFLAGQYN
Jinkelso Nickelso	UniRef90_A6FB01 UniRef90_UPI000375D5AC	TIVIS A T G P K DIV LIA N Y S N Y G P GII IDII IA A IVIG G D AII IS T S N D G S Y Y
Jinkelso Nickelso	UniRef90_R5ILE2	AVA ALGPDYKLASYSNYGEWVDISAPGGDIMST PNNGYE
Similar Simi	UniRef90_B8K742 UniRef90_R7BEG3	V M A V D N K G L P Y N S S G Y G E N G V D II A A P G V N V K T T L P D D F F T
Similar Simi	UniRef90_F0W773	GALTLD D S V G WY S G G Y S H L K P D V S A P G D D L Y S A L P D D A Y G
Similar Simi	UniRef90_R5KTK8 UniRef90_A0A015K2C0	A S KII S N N Q D WII T D WC N W G K C V T IL IF A P G F N V IP II A GII IG S P S T
Similar Simi	UniRef90_K3WRP0	GATGET DNLAWFSSKGPSPDI SAPGFY TRSSYFGSDNDYQ
Similar Simi		NVI Y P WS A R G P C V D G A I G V S I C A P G A A F A G V P R Y S R K A K O
Jinkeison DP10004414433 Jinkeison Q94F34 GA T D M N D K S R F S N F G S A V D F A P G V D R S A S S V D V D V D V D V D V D V D V D V D V	UniRef90_W4GNY8	GATDATDLLASFSSKGPKPDVSAPGKSVRSAGSASDTAYA
Jinkeison DP10004414433 Jinkeison Q94F34 GA T D M N D K S R F S N F G S A V D F A P G V D R S A S S V D V D V D V D V D V D V D V D V D V		SGKKPWYLEECASILAIIYSSGESYDRKIIIIIDLRQRCID NGNIPWYSEACSSTIATTYSSGATGEKMIITTDIHHACTN
Jinkeison Deliood4144543 Jinkeison Qs4FS4 Jinkeison Qs4FS4 GA T D R N D K S R N S N F G S A V D F A P G V D R S A S S S D V D Y Y D Y S A S R G S A S S D V D Y D Y S D Y D Y D Y S D Y D Y D Y S D Y D Y	UniRef90_UPI000361D43B	SVGSVSLQDVKSTFSNYSNTLELVAPGENVAAPAPGGMVA
Jinkef90		- 1 G (J A (J I) E I) S A E K K PIVII A P G IJ K II I I I I I P G G I I I I I
Jinker90	UniRef90_Q94FS4	GAT DRNDFLY DYSSNSTKPDISAPGVDIRSASI VSDVDYW
Jinkef90 AIUJP77 A A D D S Q D K A S F S N W G K C V N I F S S Q G S A P A D E N G A Q T Jinkef90 MSDJ82 A D D S Q D K A S F S N W G K C V N I F S S Q G S A P A D E N G A Q T Jinkef90 E17605 A D D S Q D K A S F S N W G K C V N I F S S Q G S A P A D E N G A Q T Jinkef90 E17605 A D S Q D K A S F S N W G K C V N I F S S Q G S A P A D E N G A G F V G Jinkef90 E17605 A V S A T D S N D V K T S W S S Y G N F V A V A A P G A G W T T T R G G G Y G Jinkef90 C9541 S S Y P W S S R G P C Q D G K G V S V S G S A P A A A F A G V P Q Y C R Q S M Q Jinkef90 C72NV5 Jinkef90 D75CIA3 Jinkef90 B6VA84 T Y G S S A D D S R S S F S N Y G S N S D A A G Q Q V D S T P N N K Y G Jinkef90 SENA4 Jinkef90 X8J110 Jinkef90 X8J110 Jinkef90 WSDV3 Jinkef90 WSDV3 Jinkef90 WSDV3 Jinkef90 UP1000374BC85 Jinkef90 WSDV3 Jinkef90 D1500368754D A Y G S K R M Y R G S Y S N Y G S S D Y G N P Q G D S S S V J W J R A G M S K S S S V J Jinkef90 UP1000374BC85 Jinkef90 WSDV3 Jinkef90 D1600368754D Jinkef90 D1700368754D A Y G S R M W R G S Y S N Y G S G G G G G G G G G G G G G G G G G		RKG HPYYSFVCSANMVVTYSSGSGDN HTTDVGKNKCTD
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JniRef90_A4YLF3 VG A VE K S T N G F E VA S F S N A N A K L WA P G VG I VS A R VG G G L A JniRef90_UPl00037A871E A VG A T G L D D R VT L F S N S G N H I A V A A P G K A L W S T L P R Y N Y D JniRef90_A8P8Q1 VG A VE K S T N G F E V A S F S N A N A K L WA P G VG I VS A R VG G G L A A V G A T A L T D A R S S F S N Y G P G L D L F A P G Q S V Y S A W H T S D T A Y Q	UniRef90_Q1IW68	PTGNTLSSFSSGMSAELELKPDIAAPGGNIYSSYPPSGYA
JniRef90_A8P8Q1 GATALTDARSSFSNYGPGLDLFAPGQSVYSAWHTSDTAYQ	UniRef90_A4YLF3	VIGAVEKSTNGFEVIASFSNANAKIL WAP GVGI VSARVGGGGLA
	UniRef90_0P100037A871E UniRef90_A8P8Q1	GATALT DARSSESNY GPGLDLFAPGQSVYSAWHTSDTAYQ

UniRef90 W7IV22	170 180 190 QGSGTSYAAPFVAGT <u>A</u> ALV <u>R</u> AYRPTLTAAQVK <u>H</u> RLEATA	200 N
UniRef90_R9KN32 UniRef90_Q9RUD0 UniRef90_N1UZR7	Q K S G T S M A A P M V S G A V A L L L S K Y P Q F S P A D V K L R L Y Q R K A M S G S S Q A S P I T A G A V A V L L S A K P G A S V D A I K N A L F T S A Y S V G T S M A A P H V A G I A A I M I S T N F Q L T P Q Q V F F Q I K N S A	V S R
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UniRef90_C5AlK9 UniRef90_R9C572 UniRef90_D3T1J5	Y N S G T S L A A P Q V A G L A A L ML S L N P N L T P A Q I A Q K L A A T A T F T G T S L A A A Y V S G I C A L I Y E S D Q S L T P K D I R S L L K L A C Y L D G T S M S A P H V S G V L A L M L S A N D D L T Q E E I E E T L E E T A Y S M G T S M A T P H V A G V A A L M Y S L D A S L T P D Q V E Q Y I K E T A T M S G T S M A G P F V A G A A A L V K Q R L A K T N P A A V K A L L M N T A	R E W
UniRef90_L8J9Y9 UniRef90_I7JZJ6 UniRef90_A0A022TFT0	Y S M G T S M A T P H V A G V A A L M Y S L D A S L T P D Q V E Q Y I K E T A T M S G T S M A G P F V A G A A A L V K Q R L A K T N P A A V K A L L M N T A V M T G T S M S A P H V A G Q A A	R N
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UniRef90_Q09541 UniRef90_L2G8Y5 UniRef90_C7YPA2	M M N G T S M S S P N A A G N V A <mark>C</mark> L K Q N N L K W T P Y T V R M A L E N T A G H G G T S A A A P L G A G V Y A L V L E A R P D L T W R D M Q W L A M D T A L E L S G T S M A A P Y I A G L A A L Y I G E Y G G R E A K M L H D R I A S S G	Y V S
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UniRef90_G1XDP8 UniRef90_W5WDV3 UniRef90_K6WNX9	T F N G T S M A S P H V A G L I C Y L R A A G G L T D A K D V V D R M L G L A T F N G T S A S S P H A A G V M A L L A S A H P Q A T V D Q L R S M L L T Q A I F M V G T S M A A P H V S G V A A L L L S A S P G L T P A Q V S S V L T S S A	Q R R
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UniRef90_E9GW88	S WH G T H V A G T I A A R N N G V G I A G I A Y G A K I V P A R V D A T D S N R H G T R C A G E V A A Q G N N L C A V G I A F N A N L G G I R M
UniRef90_R6Q166 UniRef90_UPI000382B03D	H G T M V L S V M A A N V P N Y Y V G V A P E A S Y L L V R C Q D T H G H G T G M A G L I A A H G D G T G A L G I A P K A R I L P I K A G F S H G T H V A G T I A A A A D G S G A V G I A P E A E L V G V K V S W H G T H V S G T V A A T N N G V G M A G V A P K A T I L P V R V
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UniRef90_UPI00036EE25A UniRef90_M1WAM2	S WH G I HIV S G I V A A I N N G V G M A G V A P K A T II L I P V R V D P M D C K G H G T H V A G II V A A O N N S F G F T G T A P G V S II G A Y R V
UniRef90_B8C4T9	DPMDCKGHGTHVAGIVAAQNNSFGFTGTAPGVSLGAYRV DGQGTHCAGIGAUGDNDRGVIGVNPDPTLHINKA
UniRef90_E4UUN0 UniRef90_W1SJY7	D G N G H G T H <mark>C</mark> S G T I A G K K H G T H V A G I _ I A A N G K I K G V A P E A Q I V A <u>Y</u> R A
UniRef90_V4KSJ3	DGIGHGTHMSLLAAGAVRPLGVADSTDTTSVLAIRA
UniRef90_D8U3X8	D G I G H G T H M S L L A A G A V R P L G V A D S T D T T S V L A I R A Y Q D D N G H G T H V A G T A L G A V Y G V A R N A I L H P V K V Y T A D D Y H G T H V A G E I A A A R N G I G V A G V A P G V K V S G V K V D D Q H G T R C A G E I A A V K N D V C G V G V A Y K A K V S G V R I T D D Y N G H G T T M A E M I A G T G K G G G L Q G L A P G A K I M P M R I P D G P S D N H H G T R C A G E I A A S N N S F C A V G V A Y G S R V A G I R V D D S S H G T H V A G I A A G T N G E D T Y D G V A P G A E L V S C K I P N A E H G T H V S G I I A A N R N N I G I N G V A D N V S I M A I R V P T S D V E D S H G T G M A G L I A S Q G T A T G Y V G V A P E A K I M P I K A D G A G H G T H V S G T I G G V T Y G V A C K T K L F A V K V G H G T H T A A T I A A Q E E P N G V V G V A P T V K L L I A R V D A N G H G T H V A G V I A G D P A G P D M L A M A P R A R L V T Y K V P D S D T T S G H G T H V A G T I G G S G A A S E G R G V A P G V T L V G V D P M D D Q Y H G T H V A G T I G A V N N G I G V V G V N W N V K L L A C K F
UniRef90_K4R483 UniRef90_V5EQD1	DDQHGTRCAGEII IA A IVIK N DIVIC GIVIGIVIA Y K A KIVIS GIVIRII
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UniRef90_A2RUX6 UniRef90_B3QVF5	PUGPSUNHHGIKUAGEIJAASNNSFUAIVIGVAYGSRIVIAGIIRIV
UniRef90_C6XTL1	PNAE HGTHVSGI TAANRNNIGINGVADNVSI MAIRV
UniRef90_UPI00047B5EAB	PTSDVEDSHGTGMAGLIASQGTATGYVGVAPEAKI MPIKA
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UniRef90_B5IJZ8	DANGHGTHVAGVIAGDPAGPDMLAMAPRARLVTYKV
UniRef90_UPI0003651305 UniRef90_E8WR05	P D S D I I S G H G I H V A S T II G G S G A A S E G R G V A P G V T L V G V D P M D D O Y H G T H V A G T II G A V N N G II G V V G V N W N V K II I A C K F
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UniRef90_F0ZI18	PNILIT DQNAHGTATILISIVI IGGAPGKILI IGSAFNASYFILIAKTEII
UniRef90_M4V5L9 UniRef90_U7PUU9	NVIDENGHGTHIAGII KNEFQRHIPVPRLMILKYYS
UniRef90_M0LZ30	DDRHGTR <mark>C</mark> AGEISAAKNDVCGVGVAYNSKIAGLR DGDGHGSWVAAAIASNHDDPAYQGFAPDAEILVAKS
UniRef90_Q8EM75	SHGTHVAGIIAANGD LKGMAPDAEI YAYRA DPMDCAGHGTHVAGILAAQKNTMGFTGAAPGVQIGAYRA
UniRef90_F9FWY0 UniRef90_B1WWM6	NASDPNRHGSHVAGI LAAQKNIMGFIGAAPGVQI GAYRA NASDPNRHGSHVASLAASSDPTY TGLAPGVNL LALKV
(O100_D1 ** **1VIO	o z i i i i i o u i i i i i o u i i i i i o u i i i i

UniRef90_UPI0002657666	50 60 70 80 LDGD VTDAVEARSLALNPQHLHVYSASWGPDDDARTV
UniRef90_U1JMH8 UniRef90_B2WEW2	FDDEGKGLNSRIGRAVDN <mark>C</mark> VENGAKVTNMSLGGASKSQYL LAGD T <u>G</u> SASDVFAA <u>F</u> DWTVNDNTSVINMSLGSSA <u>S</u> STW
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UniRef90_Q480E3	
UniRef90_M2V0H8 UniRef90_UPI00037F45AA	L D S N G W G T N A D V L A G L E L I L R D A R E V V N L S L G S E K L P A L L G D N A S G T L S G V A A G V D W A R A D E L E V V N L S L G C D G C D S A L
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UniRef90_UPI0002F10281	T G F IL ID D E S II IE Q II IF D W A Q E K G A S IV I IS <mark>C</mark> S W G A S A IV IY F P IL I
UniRef90_I0YPJ4 UniRef90_A1RI74	LDCEGTGT SDLVAGLD WVVAKPPAVAT LSLGGEWSRSLE GNQGTSYPE
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UniRef90_D0D5G2 UniRef90_W1J7W9	T É HLS PLNVA E WF D Y A T D H G A WV VS C S WN A E A A VY PL G D P G P G N D G S V Y Q A G W D A L I A S G A R I I N N S W G G T K P G G A Y
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UniRef90_S7TSM2 UniRef90_K1QDV2	F D A F G G [Q N A [] L A A V E Y A V R N G A R I T N C S F G G Y G E S A A Q L D G R V T D H L E A S A L A F N H T Y V D V Y S A S W G P N D D G K T V
UniRef90_UPI000441C534	LID GDIVIT DIV VIE A K A II IG A K P E Y II I <mark>H</mark> II IY S A S W G P D D G R T IV I
UniRef90_A0A021W1M2 UniRef90_M1VXF2	LGKCG GSLADIADGLT WASANKATVINMSLGGGGCSSTF
UniRef90_UPI00036686B9	PDDNGNMAESDVPQAIRYAADSGAQVINLSLGATTGSQAL LGCNNSGPDSGIIDAVDWANAKKPAVANMSL TMDAPGVG
UniRef90_R4T505 UniRef90_UPI0003C8700D	L D G P L T D S M E A V A F N K H Y Q I N D I Y S C S W G P D D D G K T V
UniRef90_UPI0004410E0E UniRef90_A8J3L1	LDDTGNGRD VAGVDWVISEVARVINVSLWF FPSDAL GDTGSM <u>E</u> TGTGVVRGLIAARQHGAHLINMSYGEPTTTPNL
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UniRef90_V9KS73 UniRef90_A0MZ39	LDGPLTDSMEAIAFNKHYQIN DIYS <mark>C</mark> SWGPDDDGKTV LSA <u>G</u> GSGSTSGVISG <u>M</u> NWVAQNAVSVASMSLGG G <u>K</u> STAL
UniRef90_F6FYR6	LIGK CG GASSDII DALLTWAAATPAKVI NMSLIGSTICTAAQ
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UniRef90_UPI00036DAF5D	FDASHTASWDDVAAGVESLANGGTSVINMSLGVPGWTLHQAEDGGGFVVDEVAAGIRSAADAGARIINVSLALKADFGDVLGEDGASTVS LIGGPGSDPAL
UniRef90_Q9RZ90 UniRef90_UPI000350C89E	II ID G D IVIT D MIVIE A K SIVIS E N P Q HIVIHII IY S A S W G P D D D G K TIVI
UniRef90_E1T566 UniRef90_Q5G5T9	LNQWGGGLLSSTSDALIWANPHPASVINLSLAVGYCAKTFLD GDVTDVVEAKSLGVRDYIDIYSSSWGPDDDGKTV
UniRef90_V8R6A1	NKNDSSPDPRYFKAIVIYDSILIADAGIVIRAII INNSWGSQPPDIVISY
UniRef90_UPI00034BFD42 UniRef90_K9VQ99	LTAGGSGTLAGIAAGVDYVTANAGQVANMSLG <mark>C</mark> QG <mark>C</mark> DQAL TGFLDDDSVEKLFNWALEKGAAVIS <mark>C</mark> SWGPSAVYYPL
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UniRef90_F6WDF7 UniRef90_T1W7N1	L S A E G Y G N T V D I I K G I E W A V N D A P G V L S L S L G G S A D P V L D L D G D V T D I V E G L S L S H E N N I D I Y S S W G P D D D G K T V L G R C G G Y T S D I A D A I A WA N A N K A R V L N L S L G G S G D S T T Q L D G E V T D A V E A H S L S H N S Q H I D I Y S A S W G P D D D G K T V E D E R T E S E E D Y W A E A A E Y A D S V G V D V I N S S L G Y H D F D D A S L E V D D N D D D D H I A A A I E R S I S S G A D V I S V S A D G W T L R L E V D D C T C T E F A I A C I V Y S A S N D A I A S I S S G A D V I S V S A D G W T L R L E V D D C T C T E F A I A C I V Y S A S N D A I S V S A D G W T L R L E V D D C T C T E F A I A C I V Y S A S N D A I S V S A D G W T L R L E V D D C T C T E F A I A C I V Y S A S N D A I S V S A D G W T L R L E V D D C T C T E F A I A C I V Y S A S N D A I S V S A D G A V T L R L E V D D C T C T E F A I A C I V Y S A S N D A I S V S A D G A V T L R L E V D D C T C T E F A I A C I V Y S A S N D A I S V S A D G A V T L R L E V D D C T C T E F A I A C I V Y S A S N D A I S V S A D G A V T L R L E V D D C T C T E F A I A C I V Y S A S N D A I A I A C I V Y S A S W G P D D D G K T V D T C T C T E F A I A C I V Y S A S W G P D D D G K T V D T C T C T E F A I A C I V Y S A S W G P D D D G K T V D T C T C T C T C T C T C T C T C T C T
UniRef90_E9GW88	LDGE VTDAVEAHSLSHNSQHIDIYSASWGPDDDGKTV
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UniRef90_D1C639	LSDEGTGTFEAVIAGI VYAANIDADI INMSIGAVLAMTAL
UniRef90_UPI00036EE25A UniRef90_M1WAM2	I GCDGGAGNDVLI A A FNKAYQDGADII TASLGGPSGWDPW
UniRef90_B8C4T9 UniRef90_E4UUN0	LINAQGILGTTSSILIQAIIEGCMESGSKVISMSLGGGPNSDIF TSGSGTMSDVVKGVOWAAFSHIJKVANMSLGG GKSVTI
UniRef90_W1SJY7	LGPGGGTTEQVLAAIEQAFKDKVDIVNLSLGNDGPDLPI
UniRef90_V4KSJ3 UniRef90_D8U3X8	LEVDDNDDDDHIAAAIERSISSGADVISVSADGWHTLRLE LSDEGTGTFEAVIAGIVYAANIDADIINMSLGAVLAMTAL LGRCGGGYTSDIAAAIVWANTNPAEVINMSLGGGPCDSAT IGCDGGAGNDVLIAAFNKAYQDGADIITASLGGGPSGWDPW LNAQGIGTTSSLIQAIEGCMESGSKVISMSLGGGPNSDIF TSGSGTMSDVVKGVQWAAESHLKVANMSLGGGPNSDIF TSGSGTMSDVVKGVQWAAESHLKVANMSLGGGPNSDIF DDNGFTSDFTLMRGLHYALANNARVVSMSWGTETPSPLL LDSSGSGSYSNIIAGLGWVKDNGIRVVGMSLNGPRAASLN SDNNGLFYPESVVCAFVFAADHGVEITNNSYYVDPWVDAV LNSGPISDVDEAAALNFGYQENDIYSCSWGPPDDGKSM
UniRef90_K4R483	SDNNGTFYPESVVCAFVFAADHGVEITNNSYYVDPWVDAV
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UniRef90_A2RUX6 UniRef90_B3QVF5	LDGPLTDSMEAFAKHYQVN DIYS <mark>C</mark> SWGPDDDGRTV SKGALGTTTGSIKAGFDYAAKAKPVVVNMSFGVPSVIEGN
UniRef90_C6XTL1	V PEGDERDK DVA NGIRY AVDNG ARVINMS F GK G F K WN V V
UniRef90_UPI00047B5EAB UniRef90_G2QGL4	PEGDERDKDVANGIRYAVDNGARVINMSFGKGRWNVV DLTEWAQAIRYAADNGAKVINLSQGFAAKAPET LNASGSGTVSSVLAGLEFVASDAPAVANLSLGGGRSTAIN LNANGDGSTSAVIAAMDWCISQGANIASLSLGSSERSDAE LADNGSGYDAWIIKAIDHIWQQNIQGVNLSLGGSSFDPASF
UniRef90_L7UML6	L N A N G D G S T S A V I A A M D W C I S Q G A N A S L S L G S S E R S D A E
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UniRef90_E8WR05	I G S G T Y G Y T S G A L E C L D Y V K D Q G V N I V N N S W G T S S Y S Q A L
UniRef90_C2V433 UniRef90_A0A010RA45	VR GLGYLSVA HVLD GYS WAANNSKAVINMSLAFPK SDAM
UniRef90_X8J046 UniRef90_M9M5X0	
UniRef90_F0ZI18	FGCTGSTPDDIII AALQRAYFDGNDVLSLSLGGPGWSEAP IFEENLVEEDYWIAALEMGERMGIDLVTSSLGGPGWSEAP PNIDPNENAKNTVRAIEYATKMNVKIINYSAGGEEFFAQE LSKAISDADEAV ALNYDMQNNL IYSCSWGPPDDGRSM LADDGSGSVADIVAGVELAVDAGADVACLSLGSPQWSEPL LGPGGAGTSVQVLAAMEKALEDEVDIINLSLGNNVPDYPT FGCNGEAGNDVLIAAFNQAFEDGADIISASIGGPSGWSEE
UniRef90_M4V5L9 UniRef90_U7PUU9	PNILID PNENAKNI IVIKA II EYATKM NIVIKII INYSAGGEEFFA QE LISKA II SDADEAVI ALINYD MQNNILII IYS <mark>C</mark> SWG PPDDGRSM
UniRef90_M0LZ30	LADDGSGSVADIVAGVELAVDAGADVACLSLGSPQWSEPL
UniRef90_Q8EM75 UniRef90_F9FWY0	<u> </u>
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UniRef90_UPI0002657666	90 100 110 120 D G P G Q L A D K A G S I F V W A S G N G N C D G Y V N S I F T L A V S A A <u>T E</u>
UniRef90_U1JMH8 UniRef90_B2WEW2 UniRef90_UPI0003B30F18	E G R L N A A Y D K G V L I I A A A G N G G D A T L S Y P A S Y D S V V D A A I T A A W N K G V L V V T T A G N E N S L A S Q R S P A R S P E V I C V G T Y V I D E V N A A G V T M V A A V S S K G V Y P A A Y E N V I
UniRef90_I1CT21 UniRef90_H6L2V4 UniRef90_S8A9P9 UniRef90_UPI00035E2966	SIVANRVSEKGSIVIAAAGNEGNDGAFYISAPGSGTSTVS SQAADVAVEKGILVINSAGNEG NGPWKYIGAPADAQNVL NNAIDTLWNAGIISAVAAGNEGED ASNSSPASAPKALTV KNATRYAELKGAVNVAAAGNSAEDLAADSIEDTGSPGVVT
UniRef90_N6X3V9 UniRef90_A0A024TD96 UniRef90_A1S7N4	K N A T R Y A E L K G A V N V A A A G N S A E D L A A D S I E D T G S P G V V T E S A V R Y A T D K G S L V V A S A G N T E T T S E T N T I R Y P A A Y P E V L E P S I A A W R A A G I I P V F S N G N S G S A C G T V G S P G M S P Q V I G V R N A L A A H Y N N G V L L I A A A G N D G D N T H S Y P A S Y D S V V N R A V K V A K R M G L V V V A A A G N D N V D A C T K S P A G S P H A L T V G
UniRef90_G3ARC6 UniRef90_Q480E3 UniRef90_M2V0H8 UniRef90_UPI00037F45AA	NRAVRVAKRMGLVVVAAAGNDNVDACTKSPAGSPHALTVG ACQDSGGVGALLYNNAAGSFGGT NDAVAAMVAEDIFLGVAAGNDGVPADDFS PGSEPSVC TTALTNAVNKGLVFSVAAGNNTKDAKTFFPANHPDVLTVS
UniRef90_V5IB95 UniRef90_L8X422 UniRef90_UPI000364EC7B	D G P G E L A T R A G S I F V W A S G N G N C D G Y T N S I W T L S I S S A T E E A P G T L I E K A V V V F V F A S G N G A G S D D Q C N F D G Y T N S I F S V Q P D L R N L R A A G I L P V F S A G N Y G S A A G T V L S P A N A V G S V D N
UniRef90_B5CR86 UniRef90_X1XE44 UniRef90_UPI0002F10281 UniRef90_I0YPJ4	H DIVI K K A K K Q GILL V G A A G N N M D D Y S D Y P A R F N E IV Y S IL I A R A A T K G R N G K G C V L L F A A G N A N R S G N T K W L S G F A L H P D V L F A A R S IL I R O Y N IL S IV V V I A S G N S D IV D S C Y IL A P A D IV G F T IL S V I A
UniRef90_A1RI74 UniRef90_S9QRQ1 UniRef90_D0D5G2	II NAIVKACKNAGASAVI VFSNTSLPGLQNPFLVDANNEANL RLVAQAAFDGGSVVVAASGNESPDFEVGASVPAAAFGVIS PARIVARAIJGKGAVVVFAAGNSGKDIVNDPPONGFATHPDIVI
UniRef90_W1J7W9 UniRef90_UPI000365B300 UniRef90_J8SFM4 UniRef90_K4RCJ9	QGAI DAGRSGIVTIFAAGNSGNYNEPDAIAGLAWFVPDIA ESAVRYALAHDVVVVASAGNTGDTEVNSPANIPGVIAVTG ATAVNNAMLSGVATVVAAGNNGPNEKTLGSPGTAALGISV KNASRYAEKKGAVNVAAAGNENYDLAADELITDPVSPPGVV
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UniRef90_UPl000350C89E UniRef90_E1T566 UniRef90_Q5G5T9 UniRef90_V8R6A1	D G P A R Q A F E N G V V F V W A S G N G G C D G Y T N S I Y T I S I S S T A E Q Y A I D D A N S R G A T V V V A A G N D S A D A S N V Q P A N C R G V I D G P G P L A R K A G S I F V W A S G N G G C D G Y T N S I Y T I S I S S T T E R D A A A D V S R R G V I N V F S A G N S G Y P N A S V R S A L P Y F Q P D L A T Q A I T N S V A E G V A Y A V A A G N S A R D A A N F F P A N H P D V L I T V S
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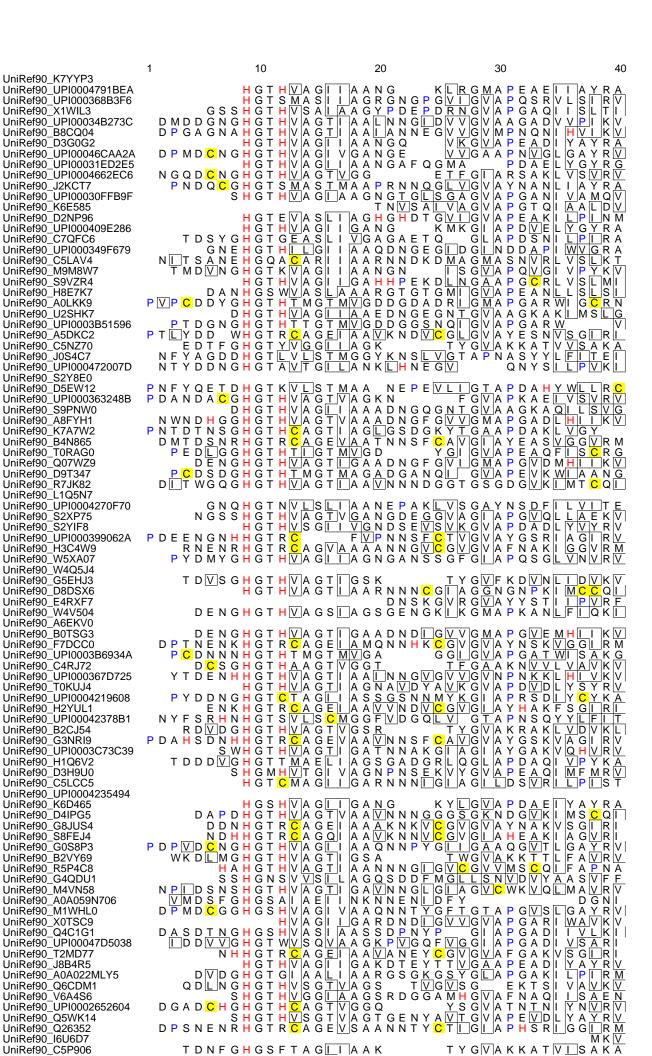
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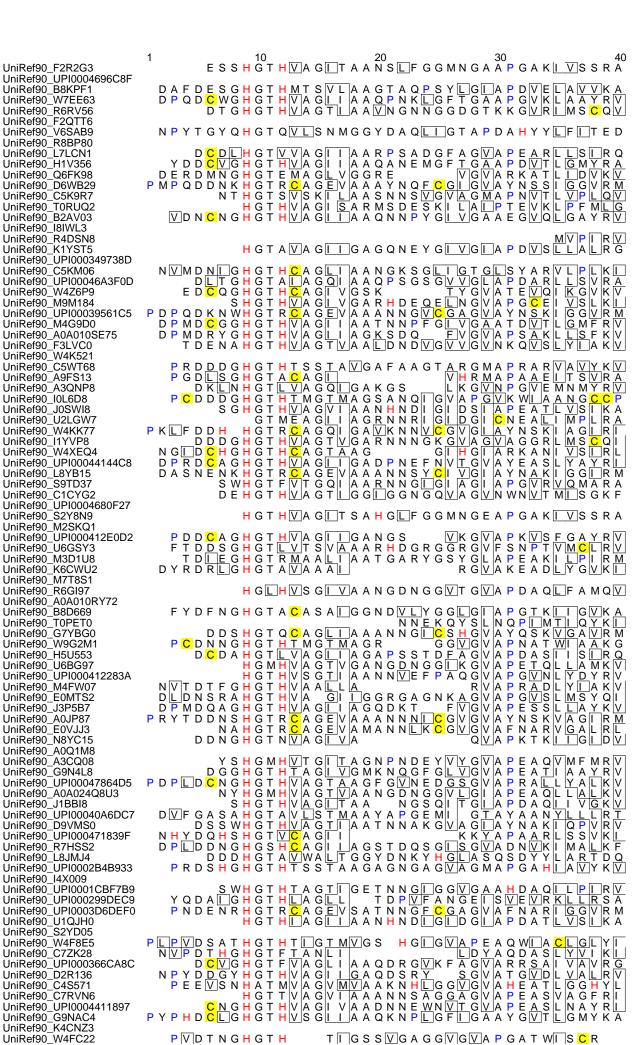
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UniRef90_F9FUQ4 UniRef90_K1Q5P9 UniRef90_A0A031H4L6	SUSGTSMA THSGTSAA GKGGTSMS	ATPHLAGL AAPEAAGVF SSPHVAAV	V L Y G I S V N G F A L A L E A N P A A M V O S A K E	ELTLAELRORLI VSGVSGVTNWLT NLTWRDMQHLTV PLAPAALETLLK	STAT /LTSK
UniRef90_X0SHB4 UniRef90_UPI0003B53FF9	YQAGTSMA	A T P MVA GV	AALILQUNP	DWSVERVKAĀLM GLTAAGLVRVIK	/IN I A E
UniRef90_S3UXW7 UniRef90_C2ZHW5 UniRef90_UPI0004766DA0		S	A L M M A Q D K S <u>A</u> A <u>A</u> Q <u>K</u> G Q	AKNPNKYINQLL TVTPVQLRTALR	KEAM RTSAD
UniRef90_V9KTD2 UniRef90_W6KAU4 UniRef90_B8MI20	GHTGTSAA Q SGTSFA	A A P L A A G M N A V P F V T A F A A T P F V A G S II	/ALMLQVRP AAEVSRVG	TVTPVQLRTALR CLTWRDVQHIIV YLSADKLRRNLR KTDPATINNILS SRTPDQVVSALM AWSPFIVRLALE	/FTST RKDTV SSSAN
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