QUERY UniRef90_B4GNQ7 UniRef90_B3SCI7 UniRef90_Q8MPF2 UniRef90_A0A023GGS5 UniRef90_UPI0003597EB3	1
UniRef90_P82204 UniRef90_K9LHF9 UniRef90_Q45XG1 UniRef90_D7F1Q0 UniRef90_P12863 UniRef90_A7S4D2 UniRef90_W2SJK4 UniRef90_M5E9U4 UniRef90_E3URL7	RKFVVGGNWKMNGDKNQINEIVNNLKKGPLDPNVEVVVRKFFVGGNWKMNGSTALLKSLVAELNTAKLDETVEVVVISRKFFVGGNWKMNGSCEENKKLLHILSDAHFGDNTEVLISRKFFVGGNWKMNGDKAAIDGIVDFMKKGPLNPNTEVVVRKFFVGGNWKMNGDKAAIDGIVKTLNEGPPSDVVEVVVRKFFVGGNWKMNGDKAAIDGILKNLHDSSLSDDTEIVV
UniRef90_D2D303 UniRef90_R7G3H9 UniRef90_G7E089 UniRef90_E3Q2U0 UniRef90_C3XYH6 UniRef90_D8QR59 UniRef90_A5CYN7 UniRef90_UPl00041A3F41 UniRef90 R7RR12	RKFFVGGNWKMNKTPSEAVALVEELKPLVANEDVDVVV RKKLVAGNWKMNKTPSEAVALVEELKPLVANEDVDVVV RKFFVGGNLKMNGTLDSIKKLVENLNNATLDSNTEVVI RKFFVGGNFKMNGSLSSIKEIVQNLNNANLDPNTEVVV RKFFVGGNWKMNGSKDSINEICGWLTAGDRG DTEVVV PRKFCVGGNWKMNGSKDSINEICGWLTAGDRG DTEVVV PRKFCVGGNWKMKTVPEAVAFAQELKTAVAGVDVEIAV
UniRef90_V4AUY5 UniRef90_W6N518 UniRef90_K0AY14 UniRef90_A0A016PQK3 UniRef90_H6BLF6 UniRef90_F3ZYC8 UniRef90_Q12574 UniRef90_W1Q838 UniRef90_T1J351	Q R K F F I V G G N W K L N G D K Q S V D G I I K F L N D G P L D E N T E V V V R K A I I A G N W K M N K T V D E A A K L I E E L K P L V K D A K A D V V V R K P F I A G N W K M H K T L N E S V E L V R E I K A K I K D S D V E V A V R K F F V G G N F K M N G S K S S I K E I V E N L N N A D L D K N A E V V V R K F F V G G N F K M N G T L K T L K E I A H N L S S A K L D P N T E V V V R K P L I A G N W K M N E T P S Q A V A L L N E I K P L V A D A K C E V V V
UniRef90_H8MUB9 UniRef90_W6MIU9 UniRef90_A7F1G3 UniRef90_F9X431 UniRef90_Q6CJG5 UniRef90_R5X6W6 UniRef90_UPl00031431EC UniRef90_K3WWT6	PRQFFVGGNFKMNGSKASIKIIVENLNSADLPANVQVVI PRQFFVGGNFKMNGSVESIKKIVGYLNDAKLDPNTEVVI RQFFVGGNFKMNGTLSGIKDIIHHLNDAKLDPNTEVVV RTFFIGGNFKMNGSKASIKEIVDRLNGASIPSNVEVVI RKPIIAGNWKMNKNIKEALEFVKEVGSRADRDDVEAVI
UniRef90_C9R8T0 UniRef90_F2T109 UniRef90_A3DBQ1 UniRef90_K6DSW0 UniRef90_A4XKV2 UniRef90_H3G9A8 UniRef90_R9C0B5 UniRef90_G3ARZ3 UniRef90_M1VG61	S S R K F F V G G N W K C N G S V G Q A N D L V G L N T A K I P K S V E V V V R V P L I A G N W K M N K T V S E A V A F A Q E L K C L A P F P G V E V L I R K F F V G G N F K M N G T S Q S I S D I I T N L N N A K L D A N T E V V I S R K V I A A G N W K M N K T P K E A V E F V Q A L K G R V A D A D T E V V V R K P I I A G N W K M N K T P K E A V E F V Q A L K G R V A D A D T E V V V R K P I I A G N W K M N K T P A E A K E F V E E L K K Y I D D V Q A E V V I R K F L I G G N W K C N G T R S S V R E L V T I L N K A V D P S Q V D V V V R K P I I A G N W K M N K T L P E A V E F V Q E V K A S V P S S K V D T V V R Q F F V G G N F K M N G S N E S I T K I V E G L N Q A D L P A N V Q V V I S A R K F F V G G N W K C N G S K Q S V Q E L C E A F N A G K D F N R V E V V V
UniRef90_R5NAE4 UniRef90_D1AFV5 UniRef90_UPl00030BDFA6 UniRef90_E1ZKB3 UniRef90_D6SAR1 UniRef90_D4JVV5 UniRef90_V5FMR1 UniRef90_R7M7C2	R Q F F V G G N F K M N G S N E S I T K II V E G L N Q A D L P A N V Q V V I S A R K F F V G G N W K C N G S K Q S V Q E L C E A F N A G K D F N R V E V V V R K K I V A G N W K M N L N L Q E G V A L A T E L N A A L A A P N C D V V I R K F I V A G N W K M N K T N K E A V S F L S E L K G L V G G N E V E T V I R K P L I A G N W K M N K T L S E A V S F V E E V K N S V P A A E V D A V V R K F F I V G G N W K C N G T V K S N E E L V K V L N A A E V P G T D V V E V R K P L I A G N W K M N M T D G E T K Q F L N D L K N F E I S D N V E A C I R K A V I A G N W K M N M T D G E T K Q F L N D L K N F E I S D N V E A C I R K A V I A G N W K M N M T R P E A K A L L E E L K P M V A D K D V E V V A P R K F F I V G G N F K M N G S T E S I K G I I D N L N S A K L D S N T E V V I R R K V V A G N W K M N M L P N E A L D F I E K L T P V A K N S K A E V I L Q R T P I I A G N W K M N K T A S E A L A F V N A V K D Q L P D P K V E S V V R K P I I A G N W K M N K T A S E A L A F V N A V K D Q L P D P K V E S V V R K P I I A G N W K M N K T A S E A L A F V N A V K D Q L P D P K V E S V V R K F I I A G N W K M N K T A S E A L A F V N A V K D Q L P D P K V E S V V R K K L I A G N W K M N K T P S Q A V V L A D A L K K T V S G K E A E I V V
UniRef90_U1YG61 UniRef90_Q88YH4 UniRef90_UPI0002884FAE UniRef90_H2CIW0 UniRef90_UPI0002B49154 UniRef90_UPI00041CB3D0 UniRef90_R7KBB7 UniRef90_D7JD17 UniRef90_L0GVU6	RKFFVGGNWK <mark>C</mark> NGTTEE <u>VKKI</u> TAVLNGAPSGD <u>VV</u> DVVV
UniRef90_F4LQU9 UniRef90_T1W788 UniRef90_B0TDD3 UniRef90_Q76BH6 UniRef90_Q5S7Y4 UniRef90_UPl00028916F0 UniRef90_A3FKF2 UniRef90_H5UTN9 UniRef90 K5WQY5	R K P I I A G N WK M N N D V F E I E K L M N I L L P L V A G A E A E V V F R K P I I A G N WK M N N T I A E T K Q L I A D L K P L V K D A K C D V V I R K N I V A G N WK M N K T L Q E G I A L A K E I K A S L K T P K C E V I V R K P L V A G N WK M N G S R A S V T D L L G G I R A G I G E P K A E V A V S R K P L I A G N WK M N N T K T E T I K F L E S F L P K A K G L S V D I V I R K K I V A G N WK M N M D Y A E G I S L F S E I V N M V R D E D Q Q A I I V L R K K I V A G N WK M N M D Y A E G I S L F S E I V N M V R D E D Q Q A I I V L R K F P V G G N WK M N K T L A E A V Q L A E A L K R Q Q G E P Q A E I V L N K K E L G D L I K S L N G A A L D P K T E V V C P R K F F V G G N WK M N K T V K E A H E F V E A V K D K V P S P D V D S V V L A S R T P L M A G N WK M N L D H L Q A T Q L V Q K L D W S L K D A K V E V A V P R Q F F V G G N F K M N P D R A T E A S L V G G L N K A T L D P T T E V V I
UniRef90_U2EB62 UniRef90_UPI00037B1C2B UniRef90_UPI0004257DA7 UniRef90_Q9HGY8 UniRef90_H1HUG6 UniRef90_C7RH34 UniRef90_UPI00016C0EE6 UniRef90_UPI000376C8BF	R K PI I A G N W K M H K T R D E A L Q F I Y A V N Q N V Q S D E V D T V V R T P L M A G N W K M N K T V D E A V A M V N E L K D L V A D A D V D V A I R K P L I A G N W K M N K T K R E A T D F V Q E V K G L I P S K E V D A V V P R Q F F V G G N F K M N G T A E S T T A I I K N L N E A K L D E T T E V V V R R K L I A G N W K M N M T P T E A K A L A T T L A P L V K N P E V D V V Y
UniRef90_R6YEL1 UniRef90_UPl00035D824D UniRef90_B3QPT6 UniRef90_UPl00035E3236 UniRef90_J7S1M7 UniRef90_R6J1N1 UniRef90_UPl00040017BE UniRef90_U4TWL1	R K P V I V G N W K M N M I V S E A E K L L D E I K D L D L D I E V E A G V R K K K I I A G N W K M N K T P K E A V E L V N L L K D K V N T D A V D V I F R K P L I A G N W K M H K T V T E G V Q L A K E I V Q L T N G A L A E V V I A L R K V V I A G N W K M N K T P A E A K E L I A A I A P L V K D A D C D V V A R K K L V A G N W K M N K T P A E A K E L I A A I A P L V K D A D C D V V C V R R T I V V G N W K M N N T L A E S I E L A T A I A E K V T K P E C E V G I R K R I V A G N W K M N K T Y E E A V A L V S E V V N M V K D E N T E V V L R T F F I G G N F K L N G S K K S L K E I V E R L N T A S L A D N V E V V I A C R K A V I A G N W K M N N T P A E T T A L L E E M K P L V A D A D C D V I I R K N I V A G N W K M N N T L Q E G I A L A K E L N E A L A A E N C D V V I R K P I I A G N W K M N M N P D E T R A F V A A V K N E L P D P K V E S V I

QUERY	50 60 70 80 G A P S Y L D F A R Q K L D A K G V A A Q N C Y K V P K G A F T G E S P A G C P A Y L M Y A R N L L P C T V G V A G Q N A Y K V A K G A F T G E S P S
UniRef90_B4GNQ7 UniRef90_B3SCI7 UniRef90_Q8MPF2 UniRef90_A0A023GGS5	GPPFVYLSYVKENLPDKVSIAAQNCYYASKGAFTGEISAE GVPALYLELVRTCVPASIGVAAQNCYKVPKGAFTGEISPA GCPAPYLDYCRSLLPPSVALAAQNCYKVEKGAFTGEISPA
UniRef90_UPI0003597EB3 UniRef90_P82204 UniRef90_K9LHF9	APPYCYI QYSRDGL PANVEVAAQNCYTEKSGAFTGEI SPL GVPAI YLSYVKTI I PDNVEVAAQNCWKSPKGAFTGEI SPA APPAVYLEKTRATANKNI GVAAQNVYYKEKGAYTGEI SPA
UniRef90_Q45XG1 UniRef90_D7F1Q0 UniRef90_P12863	A P P F V F L Q E V R R T L K K E I H V A A Q N C Y K V P K G A F T G E I S P A G C P Q C Y L S Y T R E K L P A E I G V A A Q N C Y K V A K G A F T G E I S P A S P P Y V F L P V V K S Q L R Q E F H V A A Q N C W V K K G G A F T G E V S A E S P P A L Y L S Y V R K A A K Q N I G V A A Q N C Y K V A S G A F T G E I S P A
UniRef90_A7S4D2 UniRef90_W2SJK4 UniRef90_M5E9U4 UniRef90_E3URL7	SPPALYLSYVRKAAKQNIGVAAQNCYKVASGAFTGEISPAAPPAPYLTYVKDHLKNSVKVSAQNCYKVPKGAFTGEVSPAAPPALYLLSAQELKGKNVAVSAQNAYYKPSGAFTGEISVASPPFVFLPQVKAVLRSDFAVAAQNAWVRKGGAYTGEISAESPPFVFLPLVKTSLRPDFHVAAQNCWVKKGGAFTGEVSAE
UniRef90_D2D303 UniRef90_R7G3H9 UniRef90_G7E089	S P P F V F L P Q V K A V L R S D F A V A A Q N A WV R K G G A Y T G E I S A E S P P F V F L P L V K T S L R P D F H V A A Q N C WV K K G G A F T G E V S A E C V P A I D I I P V A E A K G T N I Q V G A E N M Y F E E S G A Y T G E I S P A A P P A L Y L I P I R D H L R K E I E L S A Q D A Y T K D Q G A F T G E V S A W S P P A I Y L Q L V R D S L R K D V E V A A Q N V F D K P N G A F T G E I S V S
UniRef90_E3Q2U0 UniRef90_C3XYH6 UniRef90_D8QR59	SPPAI Y L QL V R D S L R K D V E V A A Q N V F D K P N G A F T G E I S V S G P P T A Y L G Y V Q E L A G S G V Q A A A Q N C Y K V P K G A F T G E I S P A G P P F V Y I P L V K S I L R P D F A I A G Q N C W V K K G G A F T G E I S A E C P P F T A L V P V A E L R G T G I A V G A Q D V H W E E S G A F T G E V S P L C V P A L D I P A I T A T R G T N I A I G A E N M Y F E E S G A Y T G E I S P E
UniRef90_A5CYN7 UniRef90_UPI00041A3F41 UniRef90_R7RRI2	CPPFTALVPVAELRGTGIAVGAQDVHWEESGAFTGEVSPLCVPALDIPAITATRGTNIAIGAENMYFEESGAYTGEISPECPPFTSLAQVLTLEDTNIEVGAQNMHYEENGAFTGEISPVSPPAIYLDYVRGKLNNNVATSAQNCYKVAKGAFTGEISAA
UniRef90_V4AUY5 UniRef90_W6N518 UniRef90_K0AY14 UniRef90_A0A016PQK3	S P P A I Y L D Y V R G K L N N N V A T S A Q N C Y K V A K G A F T G E I S A A C P P Y V C L D T V K A A K G T N I K V G A Q N M H F E E S G A Y T G E I A P A C V P F T S L N V K K E I Q E T N I K L G A Q N M H W E E S G A F T G E V S G A S P P A L Y L P L V R E T L R K E I E V A A Q N V Y D K P N G A F T G E I S V S
UniRef90_H6BLF6 UniRef90_F3ZYC8 UniRef90_Q12574	APPSLYLLAREHLAPHIEVAAAQNVFDKPNGAFTGEISAQ CPPFVCLPAAKALKGSNIKLGAQNMHWEEKGAYTGEISAP APPALYLLPIQEIAGKAVKVAAQNAYFKESGAFTGEISPK
UniRef90_W1Q838 UniRef90_T1J351 UniRef90_H8MUB9	APPALYLLFIQEIAGKAVKVAAQNAYFKESGAFTGEISPKAPPAPYLFWAAEHNKPTVEVAAQNCYKEVKASGAYTGEVSAVGAPPAVYLDFARRIMPPSVKISAQNCYKEVKGAFTGEISPAAPPFVALQLHVALEGAPLQLIAAQNCHWESSGAFTGEISAPAPPAPYLEYANNLVAPTLKVAAQNCFDKSSGAFTGEISVEAPPALYLLLTREHLRPGLEVAAQNVFDKPNGAFTGEISVE
UniRef90_W6MIU9 UniRef90_A7F1G3 UniRef90_F9X431	GAPAVYL DFARRI MPPSVKI SAQNCYKEVKGAFTGEI SPAAPPFVALQLHVALEGAPLQLAAQNCHWESSGAFTGEI SPAAPPAPYL EVANNLUAPTLKVAAQNCFDKSSGAFTGEI SVEAPPALYL L LTREHLRSGI EVAAQNVFDKPNGAFTGEI SVESPPALYL L LAREHLRSGI EVAAQNVFDKPNGAFTGEI SVE
UniRef90_Q6CJG5 UniRef90_R5X6W6 UniRef90_UPI00031431EC UniRef90_K3WWT6	SPPALYLLAREHLRSGIEVAAAQNVFDKPNGAFTGEISVSAPPAIYLDHAVALNKKEVKISAQNAYSKASGAYTGENSVECAPFLQLKDLKEAKGTKIKVGAQNMHFETSGAFTGEVSAECPTFLSLPAVIEACDTNIMIGAQNMHFETSGAFTGEVSPKAPSSVHASEVKKSLRKDIRVSGQDVWTQGNGAFTGETSAE
UniRef90_C9R8T0 UniRef90_F2T109 UniRef90_A3DBQ1	5 P P A II 1 Y II
UniRef90_K6DSW0 UniRef90_A4XKV2 UniRef90_H3G9A8	CAPAL FIL QTIL VIE AQGS DIVIKII IGAQN MHFEES GAFT GEII ISPK CAPSII I VIPYIVIK FAII GTNII KII GTONMEY FEK GAYT GEII SGP
UniRef90_R9C0B5 UniRef90_G3ARZ3 UniRef90_M1VG61	CAPALIFILIGALITOT DIVIKII IGA QNMH FEKNGAFT GELI ISPIVI
UniRef90_R5NAE4 UniRef90_D1AFV5 UniRef90_UPI00030BDFA6 UniRef90_E1ZKB3	A P P S V Y A ML T R S I L R P D F G V A L Q N C WV G K P G A F T G E V A V E C T P F I H L A S V A A V L D A Q I G L G A E N C A D K E K G A Y T G E I S P L C S P A L F L D K L V E G S N V K I A A Q N M N P N E S G A Y T G E I S P L C S P A L F L D K L V E A K G T D L K V G A Q N M H F E E N G A Y T G E V S P V V A P A A G H F P Q V L S R K D F S V A A Q N C WV K K G G A F T G E L S A E I S P F T S L K L T E A L K D T N I S T G A Q N M Y F E D S G A F T G E I S P N C V P F T N L E T A L A V T G T N I K I G A E N C H F E K S G A F T G E I S A D C V P F T N L E T A L A V T G T N I K I G A E N C H F E K S G A F T G E I S A D C V P F T N L E T A L A V T G T N I K I G A E N C H F E K S G A F T G E I S A D C V P F T N L E T A L A V T G T N I K I G A E N C H F E K S G A F T G E I S A D C V P F T N L E T A L A V T G T N I K I G A E N C H F E K S G A F T G E I S A D C V P F T N L E T A L A V T G T N I K I G A E N C H F E K S G A F T G E I S A D C V P F T N L E T A L A V T G T N I K I G A E N C H F E K S G A F T G E I S A D C V P F T N L E T A L A V T G T N I K I G A E N C H F E K S G A F T G E I S A D C V P F T N L E T A L A V T G T N I K I G A E N C H F E K S G A F T G E I S A D C V P F T N L E T A L A V T G T N I K I G A E N C H F E K S G A F T G E I S A D C V P F T N L E T A L A V T G T N I K I G A E N C H F E K S G A F T G E I S A D C V P F T N L E T A L A V T G T N I K I G A E N C H F E K S G A F T G E I S A D C V P F T N L E T A L A V T G T N I K I C A C N C H T C T C T T T T T T T T T T T T T T
UniRef90_D6SAR1 UniRef90_D4JVV5 UniRef90_V5FMR1	V VA PAAGHFPQV L S R K DFS VA A Q N C WVK K G G A F T G E L S A E I S P F T S L K L T E A L K D T N I S T G A Q N M Y F E D S G A F T G E I S P N C V P F T N L E T A L A V T G T N I K I G A E N C H F E K S G A F T G E I S A D A P P F L Y L H Y A R D L A S P N I A V S A Q N W Y D K P N G A F T G E I S Q C M P Y T D L M Y G L T A Q D T N I K I G A Q N M H W E E K G A Y T G E I S G Q
UniRef90_R7M7C2 UniRef90_U1YG61 UniRef90_Q88YH4	CMPYTDLMYGLTAQDTNIKIGAQNMHWEEKGAYTGEISGQ CAPFTSLNLVQELQEYPVAVGAQNMHWEESGAYTGEISPG AAPALFLQEMVEAKGSDLKIAAENAYFEDAGAFTGETSPA
UniRef90_UPI0002884FAE UniRef90_H2CIW0 UniRef90_UPI0002B49154 UniRef90_UPI00041CB3D0	CAPALFLEANVKEGNSDLKI GAQNMHHKESGAFTGEI SPV CPPYTALIPVRALKGSSLHLGAQDLHWEDQGAFTGKI SAD SPPFVFLPLVQSLLRSDFHVAAQNCWVHKGGAFTGEVSAE CPTYLGLQAVEMAKNSNVGI GAQNMHFEKNGAFTGEI SGE
UniRef90_R7KBB7 UniRef90_D7JD17 UniRef90_L0GVU6	GTPFIHLSVCEELKDSVIAVAAENCADKPSGAYTGEVSAA CPPFPFLQMTEELRGSSIAWGAQNLCTEPAGAFTGEVAGS
UniRef90_F4LQU9 UniRef90_T1W788 UniRef90_B0TDD3	CPPFTNLFVAAELEGTDVKLGAQNMHWEDKGAFTGEVSPV CAPFLHLTSLAKLGGTTVEIGAQNCHQNESGAYTGEISAK CPPFTALAAVAALQDSPIALGAQNMHWEEQGAFTGEISPN
UniRef90_Q76BH6 UniRef90_Q5S7Y4 UniRef90_UPI00028916F0 UniRef90_A3FKF2	<u>G V P F V Y A D F T Q E K L R K D WK L S V Q N <mark>C</mark> W L G K G G A F T G E V S A <u>E </u></u>
UniRef90_H5UTN9 UniRef90_K5WQY5 UniRef90_U2EB62	CPPFTALRTVQTLVEGQIVYGAQDISEHDEGAYTGEVSGS APPAIYLISVKASVRPDVAVSAQNLYPKDSGAFTGEISPK CAPDVLLRCLVKRQGDYVRIGAQNMHFEEQGAFTGETSPL
UniRef90_UPI00037B1C2B UniRef90_UPI0004257DA7 UniRef90_Q9HGY8	A A P F VA L D R L A D A K G S N L K I A A E N V H F E E S G A Y T G E V S P V C P P A P Y L S Y T A D L N K A N V Q V G A Q N C Y P K A S G A F T G E V S P L C P P F T A L R T V Q T L V E G Q I V Y G A Q D I S E H D E G A Y T G E V S G S A P P A I Y L I S V K A S V R P D V A V S A Q N L Y P K D S G A F T G E I S P K C A P D V L L R C L V K R Q G D Y V R I G A Q N M H F E E Q G A F T G E T S P L C A P A V D L Y A M N E V V D T N I D L G A Q N M Y Y K E S G A Y T A E L S P A C S P A L F L D A V K E A D G S D L K I G A Q N M H F E E S G A F T G E T S P A S P P A L Y L T L A Q Q V A D E K V A V S S Q N V F D K P N G A F T G E I S V S C V P F I D I F P V K E V I G T A V H L G A E N V Y F E E K G A F T G E T S P A C T P A I D L L V A K E L A G T N V G G Q Q N M Y F E E S G A F T G E I S P T C P T F V C I D A V K A T A G T N I A V G A Q N M Y F E F N G A Y T G E I A P D
UniRef90_H1HUG6 UniRef90_C7RH34 UniRef90_UPI00016C0EE6 UniRef90_UPI000376C8BF	CTPAIDLLVAKELAGTNVGFGGQNMYFEEKGAFTGETSPACTPAIDLLVAKELAGTNVGFGGQNMYFEESGAFTGEISPTCPTFVCLDAVKATAGTNIAVGAQNMYFEENGAYTGEIAPDFPFTALENLADAIDGHVGYGAQNMHWAQEGAFTGEISGKCTPFVDLASAQEAAGTNIQIGAENCHWEKSGAYTGEISAE
UniRef90_UPI000376C6BF UniRef90_R6YEL1 UniRef90_UPI00035D824D UniRef90_B3QPT6	PFPYLA QAQAALSGSSI AWGAQNVSEQAKGAFTGEVSAA APTFPALHVGKTI EWSGVQLAAQNCHYENDGAFTGEVSTR
UniRef90_UPI00035E3236 UniRef90_J7S1M7 UniRef90_R6J1N1	CPPFVYLTTLKQYIPGRISLGAQNCHEKASGAYTGEVAAS CPPATYLDYTVSLVNKQVTVGAQNTYVKASGAYTGENSVE CAPFVDLQAALDAKGSNIQVGAENCHWAEKGAFTAEVSAP CTPFIHLASVTPLVDAKIGVGAENCADKESGAYTGEVSAS
UniRef90_UPI00040017BE UniRef90_U4TWL1	CTPFI HLASVTPTVDAKI GVGAEN <mark>C</mark> ADKESGAYTGEVSAS AAPAVDI TAL <u>V</u> DAAKDS <u>V</u> LVPAQNANDHESGAYTGETSPK

	00 400 440 420
QUERY	90 110 120 MI K DI G A A WVI L G H S E R R H V F G E S D E L I G Q K V A H A L A E G L ML K DI G A D WVI L G H S E R R A I F N E S D E L I A E K A E H A L A E G L MA V DI G C E WVI L G H S E R R N V F G E T D E I I G K K V A H A L T S G L MI K D V G A D WVI L G H S E R R Q I F G E S D E L I A E K V C H A L E S G L MI K D C G G Q W V I L G H S E R R H V F K E T D E L I G E K V K H A L E S G L MV K D L G A T W V I T G H S E R R H I M G E S D E L V A Q K T R F A L D S G L MI K D V G V N W V I L G H S E R R T I F G E K D E L V A E K V A H A L E S G L L L K D V N D W V I L G H S E R R Q Y F N E T N E F V G E K T A F A L E N G L
UniRef90_B4GNQ7	ML K D
UniRef90_B3SCI7 UniRef90_Q8MPF2	MIKDVGADWVILGHSERRQIFGESDELIAEKVCHALESGL
UniRef90_A0A023GGS5	MIKDCGGQWVILGHSERRHVFKETDELIGEKVKHALESGL
UniRef90_UPI0003597EB3 UniRef90_P82204	M V K D L G A T W V I T G H S E R R H I M G E S D E L V A Q K T R F A L D S G L M I K D V G V N W V I G H S E R R T L F G E K D E L V A E K V A H A L E S G L
UniRef90_K9LHF9	ILK DVNVD WVI LGHSERRQYFNETNEFVGEKTAFALENGL
UniRef90_Q45XG1 UniRef90_D7F1Q0	MI K DI GCD WV I L G H S E R R S I F G E S D E L I A D K V E H A I D G G L MV K D C G C E WV I L G H S E R R N V F N E P D Q L I S E K V G H A L E A G L M L V N L G V P WV I L G H S E R R A L L G E S N E F V G D K V A Y A L S Q G L
UniRef90_P12863	ML VNLGVP WV I LG H S E R R AL LG E S N E FV G D K V A Y AL S Q G L
UniRef90_A7S4D2	MIKDIGCEWVIIGHSERRNIFGEKDELIGEKVAHALSANV MLKDLGIEWVILGHSERRHIFGESDQLIAEKTVHALEAKI
UniRef90_W2SJK4 UniRef90_M5E9U4	ML K D L G I E W V
UniRef90_E3URL7 UniRef90 D2D303	MILTNEEIPWVILGHSERRAILTKESNEFVADKVACALSQGL MLVNLSIPWVIIGHSERRLILKESNEFVADKVAYALAQGL
UniRef90_D2D303	
UniRef90_G7E089	QLSQAQIPWTIIGHSERRSLFAESDEAVAEKTLASLSHNL QLKDLNINWAILGHSERRTILRESDEVVASKTKYATENGV
UniRef90_E3Q2U0 UniRef90_C3XYH6	QLKDLNINWAILGHSERRTILRESDEVVASKTKYÄTENGV MLKDIG <mark>C</mark> EWVILGHSERRNVFGESDELIAEKT <u>EH</u> ALAEGL
UniRef90_D8QR59	MIL I DAGO KYVV LGHSERREYFAEINEIVNKKMLKAFEHGI QLSQAQIPWTI I GHSERRSLFAESDEAVAEKTLASISHNL QLKDLNINWAILGHSERRTILRESDEVVASKTKYATENGV MIKDIGCEWVILGHSERRNVFGESDELIAEKIEHALAEGL MFKDLAIPWVILGHSERRALCGESNEFVADKVVYALSQGL MLKDAGCSYVIIGHSERRQLFGETDEKVNRKVRAALAHGL MLKDAGCSYVIIGHSERREYFHETDEELNKKVKAFEHSL MLKELGVKYVILGHSERRHVFGECDELIGQKTKYVLEEGL MLKELGVKYVILGHSERRHVFGECDELIGQKTKYVLEEGL
UniRef90_A5CYN7 UniRef90_UPI00041A3F41	MLKDAG <mark>C</mark> SYVIIĞHSERRQLFGETDEKVNRKVRAALAHĞL ML <u>VDAG</u> VKYVILGHSERREYFHETDE <u>E</u> LNKKVKKAF <u>E</u> HSL
UniRef90_R7RRI2	MLKELGVKYVI LGHSERRMYFKEDDELINKKVKSAFLHGL
UniRef90_V4AUY5 UniRef90_W6N518	MAKDVGATWIILGHSERRHVFGE <mark>C</mark> DELIGQKTKY <u>VL</u> EEGL MLES <u>M</u> GVEYVILGHSERRQYFNETDAAINKKVKKA <u>F</u> EHNL
UniRef90_K0AY14	MLESMGVEYVILGHSERRQYFNETDAAINKKVKKAFEHNL MLKELGVDYVILGHSERRQYFGETDETVNKKLKKALEYNI
UniRef90_A0A016PQK3 UniRef90_H6BLF6	QLKDSDINWAILGHSERRTITGESDEVISSKTKYATENGL QLKD <u>S</u> NITWVVLGHSERRT <u>IL</u> REDDDFVASK <u>TK</u> TALDSGI
UniRef90_F3ZYC8	ML KEI GVEYVII GHSERRQYFAETDQTVNNKVLAAFTHDL QISDAGIPYVILGHSERRTLFHETSEVVALKTRAALDNGL
UniRef90_Q12574 UniRef90_W1Q838	QISDAĞIPYVILĞHSERRTLFHETSEVVALKTRAALDNGL ALKDLGIPWVILGHSERRLIFKESDELIASK <u>T</u> KFALDSGL
UniRef90_T1J351	MIL IR DII IGII IE WIV I L IG H S E R R QII IF G E T D K IL V A E K IV IG H A IL IS E G IL I
UniRef90_H8MUB9 UniRef90_W6MIU9	MLAELG <mark>C</mark> AYVIVGHSERRQFFGETDATVNKRAKA <u>VK</u> AAGM SLKDLGLEW <u>V</u> ITGHSERR <u>T</u> IIKESDEFIASKTKFAIDNGV
UniRef90_A7F1G3	QLKDSNITWTLTGHSERRVVLQEDDSFVASKTKAALDGGI QLKDSNITWAILGHSERRTIIKESDDFIASKTKTALDGGL
UniRef90_F9X431 UniRef90_Q6CJG5	QLKDSNLTWAI LGHSERRTLIKESDDFIASKTKTALDGGL QIKDVGAEWVILGHSERRTYFNETDELVAEK <u>TK</u> FALD <u>S</u> GV
UniRef90_R5X6W6	QI K DV G A E WV I L G H S E R R T Y F N E T D E L V A E K T K F A L D S G V M L Q E I G M D Y V I I G H S E R R E Y F G E T D E T V N K K V L K A L Q L G I
UniRef90_UPI00031431EC UniRef90_K3WWT6	MLKELGVDFVIIGHSERRQYFNETDNTVNKKLKAAIQYGL MLKDLGAEYTLVGHSERRE KGESNEIVAKK <u>A</u> AYALEKGL
UniRef90_C9R8T0	ML KAAGCRYVI I GHSERRQYFGETDEL I QRKLKAAFRHGL
UniRef90_F2T109 UniRef90_A3DBQ1	QLKDSKIT WTLTGHSERRVILKEDDDFVARKTKAAVEGGL MLAELGVDYVIIGHSERRQYFGETDETVNKKVHAAFKYGL
UniRef90_K6DSW0	ALADLGVQYVIIGHSERREMFNETDESVNQKTLAAFKYNL MLKAVGVEYVVIGHSERRQYFGETDEIVNKKVLAALKFGI
UniRef90_A4XKV2 UniRef90_H3G9A8	ML A E L G V D Y V I I G H S E R R Q Y F G E I D E I V N K K V H A A F K Y G L A L A D L G V Q Y V I I G H S E R R E M F N E T D E S V N Q K T L A A F K Y N L ML K A V G V E Y V V I G H S E R R Q Y F G E T D E I V N K K V L A A L K F G I Q L V D F G L T W T I T G H S E R R A Y Y G E T D E I V N K K T K Q A L D L G L A L E N I G A K Y V V L G H S E R R E F F N E T D E S V N K K T L A A F E N G L Q I L D T G A T W T L T G H S E R R E F F N E T D E S V N K K T L A A F E N G L Q I L D T G A T W T L T G H S E R R H E L R E S D D V I G R K T K Y A I D K G V M V K S T G A Q Y V I L G H S E R R A Y Y G E T A E I L K E K V N L A L A N G L M L K E L G V E Y V I L G H S E R R E Y Y G E N N E F I N A K V K A A L N H G L A L A D L G V D Y V I L G H S E R R B M F A E T D E T V N K K T L A A F K H N L M L K D L G V D Y V I L G H S E R R B M F A E T D E T V N K K T L A A F K H N L M L K D L G V D Y V I L G H S E R R B M F A E T D E T V N K K T L A A F K H N L M L K D L G V D Y V I L G H S E R R B M F A E T D E T V N K K T L A A F K H N L M L K D L G V D Y V I L G H S E R R B M F A E T D E T V N K K T L A A F K H N L M L K D L G V D Y V I L G H S E R R B M F A E T D E T V N K K T L A A F K H N L M L K D L G V D Y V I L G H S E R R B M F A E T D E T V N K K T L A A F K H N L M L K D L G V D Y V I L G H S E R R B M F A E T D E T V N K K T L A A F K H N L M L K D L G V D Y V I L G H S E R R B M F A E T D E T V N K K T L A A F K H N L M L K D L G V D Y V I L G H S E R R B M F A E T D E T V N K K T L A A F K H N L M L K D L G V D Y V I L G H S E R R B M F A E T D E T V N K K T L A A F K H N L M L K D L G V D Y V I L G H S E R R B M F A E T D E T V N K Y A A M G O G G M T T T T T T T T T T T T T T T T T
UniRef90_R9C0B5	ALENLGAKYVVLGHSERREFFNETDESVNKKTUAAFENGL
UniRef90_G3ARZ3 UniRef90_M1VG61	Q
UniRef90_R5NAE4 UniRef90_D1AFV5	MVKSTGAQYVILGHSERRAYYGETAELLKEKVNLALANGL MLKELGVEYVILGHSERREYYGENNEFINAKVKAALNHGL
UniRef90_UPI00030BDFA6	ML K
UniRef90_E1ZKB3	ML K D L G L P W V V L G H S E R R H I T G E S D E F I A D K V A Y A L G Q G L M L K D L G V D Y V I I G H S E R R T L F K E D D E L L N K K L I S A L N H N L
UniRef90_D6SAR1 UniRef90_D4JVV5	MLAEMGVEYVV LGHSERRQYFAETDETVNKRTKAALEAGL
UniRef90_V5FMR1 UniRef90_R7M7C2	QL K D A K V T WTL V G H S E R R T L L K E T D E F V A S K T K A A I E A G L ML K C I G V E Y V I I G H S E R R Q Y F A E T D E T V N K K V K S A L L N G L
UniRef90_U1YG61	MLK <mark>C</mark> IGVEYVIIGHSERRQYFAETDETVNKK <u>V</u> KSA <u>L</u> LNGL MLTNLGVQYVIIGHSERREYFAETDETVNKKTKA <u>A</u> FAHTL
UniRef90_Q88YH4 UniRef90_UPI0002884FAE	ALADLGVDYVVIGHSERRGYFHETDEDINKKAHAIFKNGM ALKDLGVDYVILGHSERREMFAETDETVNQKTLAAFAHGL
UniRef90_H2CIW0	ML LDAGCTHVIIGHSEQRTYFHETDATVNKKLIKALAGGL
UniRef90_UPI0002B49154 UniRef90_UPI00041CB3D0	MLANLGVPWVIIGHSERRLILNESSEFIGDKVAYALSQGL MLQAVGVKYVLIGHSERREYFNETDETVNKKAIKALTLGI
UniRef90_R7KBB7	MLQAVGVKYVLIGHSERREYFNETDETVNKKAIKALTIGI MLVELGVEYVIIGHSERRQYFGETDQTVNARVKAALAAGL MVASTGAKYCIIGHSERRTYYGETYEILRLKVRLALENGL
UniRef90_D7JD17 UniRef90_L0GVU6	MVASTGAKY <mark>C</mark> IIGHSERRTYYGETYEILRLKVRLALENGL MIRE <u>FG</u> CTYVIVGHSERREYYGEDNQ <u>V</u> VARK <u>E</u> AMA <u>R</u> ERGL
UniRef90_F4LQU9	MILIK FILI <mark>P C.</mark> D Y IV I. I I G H S F R R Q Y F A F T D F T IV IN K K ILIK S A ILIQ H D IL
UniRef90_T1W788 UniRef90_B0TDD3	MI KSVGCSÝVI I GHSERRQÝFAETDALLAEKTKAALÁNGL MLKD <u>V</u> GCAYVI LGHSERRQ <u>Y</u> FGETDELVNGKVKAALTHAL
UniRef90_Q76BH6	MIKDCGANWVILGHSERRHVFGESDELISQKVEHALSENL
UniRef90_Q5S7Y4 UniRef90_UPI00028916F0	MIKDAĞIPWVILĞHSERR <mark>HEL</mark> KESDETVAİKVAYALANĞL MLQDLGVDYVILĞHSERRAYFAETDDTVNKK <u>VL</u> AALA <mark>HH</mark> L
UniRef90_A3FKF2	MLQDLGVDYVIIGHSERRAYFAETDDTVNKKVLAALAHHL AVKDSGAEWVITGHSERRQYFNESDEFVAEKTKFALDQGL MLAKLGCTYAIIGHSERREYHAESDELLNRKVQAAYKHGL
UniRef90_H5UTN9 UniRef90_K5WQY5	ML
UniRef90_U2EB62	VLQDTGVKYVI LGHSERRAMFNETDETVNKKALKAFEHEL MIKSVGCKYAI IGHSERRELFGETDELLNLKLKTAFANDI
UniRef90_UPI00037B1C2B UniRef90_UPI0004257DA7	ALTDLGVEYIVI GHSERREMFGETDEIL NEKLKTAFANDI QLQDAKIPWTI I GHSERR <u>VIL</u> KETDEFI ARKV <u>K</u> A <u>A</u> IDGGL
UniRef90_Q9HGY8	QLQDAKIPWTIIGHSERRVILKETDEFIARKVKAAIDGGU MLKDAGVEYVIIGHSERREYFHETDEIINKKLLKLLEHQF
UniRef90_H1HUG6 UniRef90_C7RH34	MLKDAGVEYVI I GHSERREYFHETDEI I NKKLLKLLEHQF MLTDLGAKYVI LGHSERREYFKE <mark>C</mark> DCLINKKVKAALDHDL
UniRef90_UPI00016C0EE6	ML VEMGVKYVI I GHSERRQYFAET DESVNKKVLAAI KHNL
UniRef90_UPI000376C8BF UniRef90_R6YEL1	MLQDIGCEYVLLGHSERRHIFGENLETIAKKLQTALNYSL MLSSMGVNLVIIGHSERRQYFGETDVTVQKRVRAALDAGL
UniRef90_UPI00035D824D	ML LDF GCRYVI V GHSERRSLYGET DEL VASKYMAAQSAGL
UniRef90_B3QPT6 UniRef90_UPI00035E3236	MLAAAG <mark>C</mark> SYVILGHSERRQLFGETNEIVNRKVKKALAEGL MLQSIGVEYVILGHSERREYFGETNAQLAAKVDAALANGL
UniRef90_J7S1M7	QI LOVGAK WTI LGHSERRTUFHEDDKLIAEKTKFALDNGA
UniRef90_R6J1N1 UniRef90_UPI00040017BE	ML K A M G V P Y V I I I G H S E R R Q Y F G E T N E T V N K R V R A A L D N G L M V A S T G A Q Y V I L G H S E R R A Y Y G E T P A L L K D K V Q L A L A N G L
UniRef90_U4TWL1	VLADLGVKYVI VGHSERRGYYHETNEDVNKKAKAVFANGM

DUENT			130 140 150	160
Junkergo BassC17 Junkergo A00023GS5 Junkergo A00023GSS Junkergo A00023GS5 Junkergo A000023GS5 Junkergo A00023GS5 Junkergo A0002	QUERY		G	WSKVV
Jinkey			G	
Jinkey J	UniRef90_Q8MPF2		GETLEEREAGKTEEVVFRQTKAIIAAKVND	WSNVV
Jinkey	UniRef90_A0A023GGS5		G E L L E E R E A N K T E E V C Y C Q M K A I A A N V K D	WSKVV
Jinkey			G	WSKVV
Jinkey J	UniRef90_K9LHF9		GEKLEHREAGKTMDI IFAQLKALADNVKD	
JAIRGE90 P12863 K V I A C V G E TL LE Q R E A G S T M D V V J A Q T K A I A E K I K D W S N V V J JAIRGE90 W2SJK4 NV I E C I G E K L E E R E A G K T K E V N F R Q M Q A U K L S D W S K V V JAIRGE90 W2SJK4 NV I E C I G E K L E E R E A G K T K E V N F R Q M Q A U D K K V D W T N I V JAIRGE90 E3URL7 K V I A C I G E T L E Q R E A G S T T Q V V L D Q L Q T G T K D V N K I V V JAIRGE90 E3URL7 K V I A C I G E T L E Q R E A G S T T W A V A V A C A C T K A I A E K I K D W S N I V V JAIRGE90 E3URL7 K V I A C I G E T L E Q R E A G S T T W A V A V A E Q T K A I A E K I K D W S N I V V JAIRGE90 R7G3H9 T P I M C G G E T L E Q R E A G S T T W A V A V A E Q T K A I A A K I S N W T D V V JAIRGE90 E3022U0 G A I W C G E S L E E R E A N K T E E I V F R Q W K K I K A I A D K K P D W S K I V JAIRGE90 E3022U0 G A I W C G E S L E E R E A R N K T E E I V F R A W K K D K K P D W S K I V JAIRGE90 E3022U0 G A I W C G E S L E E R E A G S T T W D V V A A Q T K A I K A K I S N W S K I V JAIRGE90 C30XYH6 K V I A C I G E K L E E R E E A G T T W D V V X A Q T K A F K D K V K N W K I V V X Y A M D T K A F K D K W K N V V X Y X Y X Y X Y X Y X Y X Y X Y X Y	UniRef90_Q45XG1	NVIAC	G E T L S E R E S G K T E E V <mark>C V</mark> R Q L K A I A K S A D Q	
JAIRGE90_A7SAD2 JAIRGE90_WSSJK4 JAIRGE90_WSSJK4 JAIRGE90_WSSJK4 JAIRGE90_WSSJK4 JAIRGE90_WSSJK4 JAIRGE90_SE3URL7 JAIRGE90_SE3			GEKILDERESNRIEEIV VI AQMKAL VIPNISD GETILEOREAGSTMDIV VIAAOTKAI AEKILKD	
JniRef90	UniRef90_A7S4D2	KVIAC	GELLSEREAGKTQEV <u>V</u> FRQLKAI <u>A</u> DK <u>IS</u> D	WSKVV
Jinker90	UniRef90_W2SJK4		G	
Jinker90	UniRef90_MSE9U4 UniRef90 E3URL7		GETILE QREAGETINV VISEQTKAITAEKI KD	
Jinker90	UniRef90_D2D303	K V I A C	G E T L E Q R E A G S T V A V V A E Q T K A L A A K I S N	WTDVV
Jinker90		I PII M C	GETILEQREQGVI MDFI RQQVKVGFQNVDQ GESI EEREANKTEEL VEROLKALADKKPD	AKIAV
Jinker90	UniRef90_E3Q2U0	GAI WC	GESLEEREAGTTŪDVVSKQLAALKAANSD	WSKIV
JniRef90_V4AUY5	UniRef90_C3XYH6	KV LA C	G	WGKVV
JniRef90_V4AUY5			GETILEEREAGIVITEEIV VIRRQAEILIAGILITPEQ	AGGLV
JniRef90_V4AUY5	UniRef90_UPI00041A3F41	TPI LC	G E T L E Q R E M G L T L D WI R M Q I K S V L V D V P D	VAKMV
JniRef90_K3WWT6 JniRef90_C9R8T0 JniRef90_C9R8T0 NV V C G E N L E V R E R G G T F D L A R Q L E L S G S E E E [G E L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q T V V R L Q V K L A Q L D Q V K Q T V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V V V T R Q T V V R L Q V K L A Q R E Q G V T T R Q T K A L A A S E K E W R R V V V T R Q T R Q L D A V S K I L S A D D W A K V V V T R Q T R Q L D A V S K I L S A D D W A K V V V T R Q L A L R Q T R Q L D A V S K I L S A D D W A K V V V T R Q L A L R Q T R Q L D A V S K I L S A D D W A K V V V T R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R			GELLEEREAGKIFEVIDKQLDLKDVDAEN GEKLEERESNOTNEVVEROTSAEAANISD	WSKWV
JniRef90_K3WWT6 JniRef90_C9R8T0 JniRef90_C9R8T0 JniRef90_A3DBQ1 JniRef90_A3DBQ1 JniRef90_K6DSW0 JniRef90_A4XKV2 JniRef90_A4XKV2 JniRef90_H3G9A8 QV FC G E T L E Q R E N G E T N Q L V R L Q L N A Y A K H L K D W T N V V V T E Q L N A Y A K H L	UniRef90_W6N518	I P I I C	ĞĒTĪĒĒĒRĒĀDĪVĪTĒĒĪV LĪGKĀĪNKĒDĒĒĪĒKSQ	V K L V
JniRef90_K3WWT6 JniRef90_C9R8T0 JniRef90_C9R8T0 NV V C G E N L E V R E R G G T F D L A R Q L E L S G S E E E [G E L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q T V V R L Q V K L A Q L D Q V K Q T V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V V V T R Q T V V R L Q V K L A Q R E Q G V T T R Q T K A L A A S E K E W R R V V V T R Q T R Q L D A V S K I L S A D D W A K V V V T R Q T R Q L D A V S K I L S A D D W A K V V V T R Q L A L R Q T R Q L D A V S K I L S A D D W A K V V V T R Q L A L R Q T R Q L D A V S K I L S A D D W A K V V V T R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R Q L R	UniRef90_K0AY14	NPI FC	GETLEQRESGUDRELIKGQVGLEDUSSED	LERIV
JniRef90_K3WWT6 JniRef90_C9R8T0 JniRef90_C9R8T0 NV V C G E N L E V R E R G G T F D L A R Q L E L S G S E E E [G E L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q T V V R L Q V K L A Q L D Q V K Q T V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V V V T R Q T V V R L Q V K L A Q R E Q S T T D E L V R L Q V K L A Q S E K E W R R V V V V T R Q T K A L A A S E K E W R R V V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A C T R D V R T R Q T K A L A C T R D V R T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q T R Q L S A V T R Q	UniRef90_A0A016PQK3 UniRef90_H6BLF6	NVILC	GESLEET KEAGNTVDVVTROLOAVNKGKDG	WKNVV
JniRef90_K3WWT6 JniRef90_C9R8T0 JniRef90_C9R8T0 NV V C G E N L E V R E R G G T F D L A R Q L E L S G S E E E [G E L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q T V V R L Q V K L A Q L D Q V K Q T V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V V V T R Q T V V R L Q V K L A Q R E Q S T T D E L V R L Q V K L A Q S E K E W R R V V V V T R Q T K A L A A S E K E W R R V V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A C T R D V R T R Q T K A L A C T R D V R T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q T R Q L S A V T R Q	UniRef90_F3ZYC8	T PI V C	GETLEQREAGQTETL VRNQI KEALEGTDA	VRQVV
JniRef90_K3WWT6 JniRef90_C9R8T0 JniRef90_C9R8T0 NV V C G E N L E V R E R G G T F D L A R Q L E L S G S E E E [G E L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q T V V R L Q V K L A Q L D Q V K Q T V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V V V T R Q T V V R L Q V K L A Q R E Q S T T D E L V R L Q V K L A Q S E K E W R R V V V V T R Q T K A L A A S E K E W R R V V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A C T R D V R T R Q T K A L A C T R D V R T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q T R Q L S A V T R Q	UniRef90_Q12574 UniRef90_W1Q838	K V I L C	GETILKEREEGKIAAV <mark>C</mark> EEQLSAVVKKEED GETILEEKKAGKTVEV <mark>C</mark> KROLOAVIDVVGD	WSNIV
JniRef90_K3WWT6 JniRef90_C9R8T0 JniRef90_C9R8T0 NV V C G E N L E V R E R G G T F D L A R Q L E L S G S E E E [G E L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q T V V R L Q V K L A Q L D Q V K Q T V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V V V T R Q T V V R L Q V K L A Q R E Q S T T D E L V R L Q V K L A Q S E K E W R R V V V V T R Q T K A L A A S E K E W R R V V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A C T R D V R T R Q T K A L A C T R D V R T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q T R Q L S A V T R Q	UniRef90_T1J351	NVIVC	ĞETLDERKASKTEEV VSRQLTALKKNVLN	WDKVV
JniRef90_K3WWT6 JniRef90_C9R8T0 JniRef90_C9R8T0 NV V C G E N L E V R E R G G T F D L A R Q L E L S G S E E E [G E L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q T V V R L Q V K L A Q L D Q V K Q T V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V V V T R Q T V V R L Q V K L A Q R E Q S T T D E L V R L Q V K L A Q S E K E W R R V V V V T R Q T K A L A A S E K E W R R V V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A C T R D V R T R Q T K A L A C T R D V R T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q T R Q L S A V T R Q	UniRef90_H8MUB9	T PII V C	G	VATEV
JniRef90_K3WWT6 JniRef90_C9R8T0 JniRef90_C9R8T0 NV V C G E N L E V R E R G G T F D L A R Q L E L S G S E E E [G E L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q T V V R L Q V K L A Q L D Q V K Q T V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V V V T R Q T V V R L Q V K L A Q R E Q S T T D E L V R L Q V K L A Q S E K E W R R V V V V T R Q T K A L A A S E K E W R R V V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A C T R D V R T R Q T K A L A C T R D V R T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q T R Q L S A V T R Q	UniRef90_A7F1G3	NVIFC	GESLEQRESGKTIEVVTAQLKAVKDKVQD	WSKIV
JniRef90_K3WWT6 JniRef90_C9R8T0 JniRef90_C9R8T0 NV V C G E N L E V R E R G G T F D L A R Q L E L S G S E E E [G E L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q T V V R L Q V K L A Q L D Q V K Q T V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V V V T R Q T V V R L Q V K L A Q R E Q S T T D E L V R L Q V K L A Q S E K E W R R V V V V T R Q T K A L A A S E K E W R R V V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A C T R D V R T R Q T K A L A C T R D V R T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q T R Q L S A V T R Q	UniRef90_F9X431		GETLEQREANKTKEVVLSQLAAVSK <u>VT</u> QD	WKNIV
JniRef90_K3WWT6 JniRef90_C9R8T0 JniRef90_C9R8T0 NV V C G E N L E V R E R G G T F D L A R Q L E L S G S E E E [G E L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q L Q A I A D T E Q Q W S N L V V V T R Q T V V R L Q V K L A Q L D Q V K Q T V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V T R Q T V V R L Q V K L A Q L T D D Q V K Q T V V V V V T R Q T V V R L Q V K L A Q R E Q S T T D E L V R L Q V K L A Q S E K E W R R V V V V T R Q T K A L A A S E K E W R R V V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A A S E K E W R R V V V T R Q T K A L A C T R D V R T R Q T K A L A C T R D V R T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L D A V S K I I S A D D W A K V V V T R Q T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q L S A V T R Q T R Q L S A V T R Q		NPILC	GETILEEKQQNITIEQVVQKQLQAVLEKVQD GETILEQREAGVITKD <mark>H</mark> VKTQILLAGILKDNED	LVKVV
I	UniRef90_UPI00031431EC	KPILC	GELLEERET GIT QEVLAT QVKLDLAGID D	VKNMV
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JAIRE190_R5NAE4 KV I F C I G E IV L E E R E A D K Q N E IV V K A QL A L F D L T A E Q F S N I I		$\kappa \nabla \Pi \Gamma C$	GETILEERKSGVTI DV <mark>C</mark> AROLDAVSKLISD	WKDIV
JAINSHIPPOLIPPOLIPPOLIPPOLIPPOLIPPOLIPPOLIPPO	UniRef90_M1VG61	HVI FC	G E L L E E R E A G R T R E V N E R Q L S A V H L S A D D	WAKVV
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Jinker90		GVIYC	G	WSKIVV
JAIRE690_VSFMR1 JAIRE690_TM7C2 KP 1 C V G E T L D Q R E S G K Q E E T N H L A L E G L N E N Q L Q N V M JAIRE690_U1YG61 JAIRE690_U1YG61 JAIRE690_U190002884FAE JAIRE690_U190002884FAE JAIRE690_U190002884FAE JAIRE690_U190002884FAE JAIRE690_U190002884FAE JAIRE690_U190002884FAE JAIRE690_U190002884FAE JAIRE690_U19000241C18300 JAIRE690_U190002457DA7 JAIRE690_U190002457DA7 JAIRE690_U190002457DA7 JAIRE690_U190002457DA7 JAIRE690_U190002457DA7 JAIRE690_U190002457DA7 JAIRE690_U190002457DA7 JAIRE690_U190002457DA7 JAIRE690_U1900003508240 JAIRE690_U190003508240 JAIRE690_U1900030508240 JAIRE690_U190003508240 JAIRE690_U190003508240 JAIRE690_U190003508240 JAIRE690_U190003508240 JAIRE690_U190003508240 JAIRE690_U190003508240 JAIRE690_U190003508240 JAIRE690_U190003508240 JAIRE690_U1900030508240 JAIRE690_U190003508240 JAIRE690_U1900030508240 JAIRE690_U1900040400404040 KP	UniRef90_D4JVV5	K P I V C	GELLWERE <mark>C</mark> NIT <u>E</u> EVIARQIK <u>LD</u> FFG <u>I</u> DD	ĽKK <mark>C</mark> ľ
Jinkef90	UniRef90_V5FMR1	GVI LC	G	WS QVV
JniRef90_Q88YH4	UniRef90_U1YG61		GENLEQRESGKTKEWVREQVAVEGLSSEQ	AKQLI
Julike190	UniRef90_Q88YH4	KPI I C	G	V S S L V
Jinker90		VPIFC	GETILE GREAGGINDIL VIGI QILIA GLITA E Q GETILE ERD GGRAFDIV VIKKOLEGGFAGMKD	AGHTV
Juire190	UniRef90_UPI0002B49154	KVIAC	G E T L E Q R E S G S T D D V V Y A Q T K A D A D K I S S	MDNAA
JniRef90_D7JD17	UniRef90_UPI00041CB3D0 UniRef90_R7KBB7	KVI LC	G	SENIV
Juiref90_F4LQU9	UniRef90_D7JD17	RPI FC	GETKDERQAGRQNDVVQAQLEGFDLAADE	FGKLV
T P			G E S L A Q R E A GII I S E IV V A D Q L D A IV L E G V S A G E S L A Q R E E G II T M S WI IM S O V E II K D II IS S O E	F G K I V
JAIRCHYU, BUI LDU3 JAIRCHYO, Q76BH6 JAIRCHYO, Q857Y4 JAIRCHYO, Q857Y4 JAIRCHYO, Q857Y4 JAIRCHYO, Q857Y4 JAIRCHYO, Q857Y4 JAIRCHYO, Q857Y4 JAIRCHYO, Q851BH0 E R E R G Q T Q A V N E R Q L K A L A A R V K D WE H V V DAIRCHYO L K A L A L K E E D WK N V V V DAIRCHYO L K A L A L K E E D WK N V V V DAIRCHYO L K A L A L K E E D WK N V V V V V V V V V V V V V V V V V V	UniRef90_T1W788	ŢPI ĚC	GETLDERNNGDYFNVIKSQLAVFGLSTED	FAKI I
Juirief90			GELILIA QREA GETEAII VIA TQTALIA GLIA PEA GEKIL DEREA GITTEOIV VIEO OTKALIA A PIVIKD	VASLV WEHVV
JniRef90_UP100028916F0	UniRef90_Q5S7Y4	K V M A C	ĞEÇLEEREKĞQT QĂVNERĞÇİK ALAÇK <u>E</u> ED	WKNVV
JniRef90_H5UTN9 JniRef90_U2EB62 JniRef90_UP100037B1C2B JniRef90_UP100037DA7 JniRef90_UP100037B1C2B JniRef90_UP100037B1C2B JniRef90_UP100035D824D JNIREFYD	UniRef90_UPI00028916F0	LPI FC	GESILDEREGGRWQAIVIKNQVTKAFAG <mark>VP</mark> Q	A P S V V
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JniRef90_UPI0004257DA7	UniRef90_U2EB62 UniRef90_UPI00037B1C2B		G	V K N M V
JRINERF90_H1HUG6 JRINERF90_UP100016C0EE6 JRINERF90_UP1000376C8BF JRINERF90_UP1000376C8BF JRINERF90_UP100035D824D JRINERF90_UP100035D824D JRINERF90_UP100035E3236 JRINERF90_UP100035E3236 JRINERF90_UP100035E3236 JRINERF90_UP100035E3236 JRINERF90_UP100035E3236 JRINERF90_UP100035E3236 JRINERF90_UP100035E3236 JRINERF90_UP100035E3236 JRINERF90_UP100035E3236 JRINERF90_UP100035E3236 JRINERF90_UP100035E3236 JRINERF90_UP100035E3236 JRINERF90_UP100035E3236 JRINERF90_UP100035E3236 JRINERF90_UP100040017BE JRINERF90_UP100035E3236 JRINERF90_UP100035E3236 JRINERF90_UP100035D824D JRINERF90_UP100035E3236 JRINERF90_UP100035D824D JRINERF90_UP1	UniRef90_UPI0004257DA7	T PI VC	GESLEEKEADKTAQVVTDQVQLQGLTEEQ	VKKTV
JniRef90_C7RH34		SVIEC KPIIC	GESLAOREAGVITMDFILRMOLKITOGVISASD	WSKVV AAKVT
JniRef90_UP100016C0E66	UniRef90_C7RH34	VPI LC	GETLEEREANE <mark>H</mark> EAKVKGQLEKDLKDVED	E K V T
JniRef90_R6YEL1 T V I L C V G E T L E Q R E Q G I T S E L M Q T K I A L G G V S E E L K R V I JniRef90_UP100035D824D JniRef90_B3QPT6 R V I L C V G E T L D E R E A G V T D K L V T A Q V V E G L A D V S D L S T L V JniRef90_UP100035E3236 K P I F C G G E S L D M R E N G D Y I G F V K A Q I S L F H L S A E Q F A N I V JniRef90_J7S1M7 G V I L C V G E T L D E R E A G V T D K L V T A Q V V E G L A D V S D L S T L V JniRef90_R6J1N1 K V I L C V G E T L E E K K A G I T L D V V Q R Q L K A V I A E V K D W T N V V JniRef90_UP100040017BE T P I F C I G E V L E E R E Q G V T F E V M Q T K I A L Q G V S E E E L K N V I JniRef90_U4TWL1 T P I F C I G E V L E E R E A N K Q N E V V Y A Q L A L F D L S A E D F S K I V JniRef90_U4TWL1	UniRef90_UPI00016C0EE6	I P I I C	GESILEQREQGIITVIDILVIRLIQTKII ALIKDV <mark>C</mark> A GETILAEREAGOTEAVILTAOITOILANIIDESEK	EKKVI
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JniRef90_UP100035E3236 K P I F C G E S L D M R E N G D Y I G F V K A Q I S L F H L S A E Q F A N I V JniRef90_J7S1M7 JniRef90_R6J1N1 JniRef90_UP100040017BE T P I F C I G E V L E E R E A N K Q N E V V Y A Q L A L F D L S A E D F S K I V JniRef90_U4TWL1 K P I I C V G E S L E Q R E A G E T E D W V S T Q V E A N G L S A D Q V Q Q L V	UniRef90_UPI00035D824D	T PI L C	GESILIAERES GIVITEAIV VIARQLIDAVIIK GIVITS	LTGAV
JniRef90_J7S1M7 GVILCIGETLEEKKAGITLDVVQRQLKAVIAEVKDWTNVV JniRef90_R6J1N1 KVILCVGEVLEEREQGVTFEVMQTKIALQGVSEEELKNVI JniRef90_UP100040017BE TPIFCIGEVLEEREANKQNEVVYAQLALFDLSAEDFSKIV JniRef90_U4TWL1 KPIICVGESLEQREAGETEDWVSTQVEANGLSADQVQQLV	UniRef90_UPI00035E3236	K PI FC	GESLDMRENG <u>D</u> YIIGFIVKAQIISLIFHILISAEQ	FANI V
JniRef90_UP100040017BE	UniRef90_J7S1M7	GVI LC	GETLEEKKAGUTLDVVQRQLKAVIAEVKD	WTNVV
JniRef90_U4TWL1 KPII I CVG ESIL EQREAGETED WVS TQVEAN GLISADQVQQL V		KVILC TPIFC	G	LKNVI FSKIV
	UniRef90_U4TWL1	K P I T C	GESILIEQREAGETEDWVSTQVEANGLISADQ	VÃQL V

		170 180 190 200
QUERY	LAYEPVWA	□G T G K T A T P Q Q A Q E V H E K L R G W L K T H V S D A V A
UniRef90_B4GNQ7 UniRef90_B3SCI7	V A Y E P V W A I A Y E P V W A	I IG T G K T A T P Q Q A Q Q V H L Q L IR N W L K E H I IS D S V A
UniRef90_Q8MPF2	IAYEPVWA	G T G K T A T P Q Q A Q D V H K A L R Q W <mark>C</mark> E N D A K V G
UniRef90_A0A023GGS5 UniRef90_UPI0003597EB3	I A Y E P V W A	G T G K T A T P D Q A Q E
UniRef90_P82204	V AYEP V WA	I G T G K T A T P Q Q A Q D V <mark>H H</mark> A L R N W L S A N V S G S V S
UniRef90_K9LHF9 UniRef90_Q45XG1	I A Y E P V W A	I G T G K V A T P E Q A Q E V H A G I R K W L A D N V S A E V A I G T G K V A T P Q Q A Q D V H H F L R Q W F K T N T P S G V D
UniRef90_Q45XG1 UniRef90_D7F1Q0	IAYEPVWA	I
UniRef90_P12863	V A Y E P V W A I A Y E P V W A	I G T G K
UniRef90_A7S4D2 UniRef90_W2SJK4	IAYEPVWA	I G T G K T A T P E Q A Q E V H L WI R E F L K E K V S A D V A
UniRef90_M5E9U4	I A Y E P V W A L A Y E P V W A	G T G K V A T A E Q A Q E V H A A I R E W L G K S V S D E A A G T G K V A T P V Q A Q E V H A D L R S W L A T N V S S E V A G T G K V A T P A Q A Q E V H C E L R K W L Q A N V S P E V A
UniRef90_E3URL7 UniRef90_D2D303	L A Y E P V W A L A Y E P V W A	GTGKVATPAQAQEVHCELRKWLQANVSPEVA
UniRef90_R7G3H9	I A Y E P I WA	I IG I GK I A I I E QA E EIV <mark>IC</mark> A GII IR A <mark>C</mark> II IA EIVIY D E A I A
UniRef90_G7E089 UniRef90_E3Q2U0	I A Y E P V W A I A Y E P I W A	I
UniRef90_C3XYH6	L A Y E P V W A	I G T G K V A T P Q Q A Q E V H A S L R T W L S E N V S P A V A
UniRef90_D8QR59 UniRef90_A5CYN7	I A Y E P V W A	I G T G K V A T P A Q A Q E V H A A L R S W L E K N V S S D V A I G T G K T A S E Q D A Q Q M L G F I R G L V R D L Y G A G A A
UniRef90_UPI00041A3F41	I A Y E P I WA	G
UniRef90_R7RRI2 UniRef90_V4AUY5	I A Y E P V W A L A Y E P V W A	I GTGKTATAEDANEVIKYI RGKI REMFGDKAA I GTGKVASPEQAQEVHASLRKWLADNVSAEVA
UniRef90_W6N518	VAYEPI WA	I
UniRef90_K0AY14 UniRef90_A0A016PQK3	I A Y E P I WA	I GTGKTASKEDANSMISFIRETLKEKYDSEVS I GTGKVATTEQAQEV <mark>H</mark> KAIRDLLRS ISDKVA
UniRef90_H6BLF6	IAYEPIWA	I IGTGKIVIATTEQAQEIVI <mark>H</mark> AAII IRK WILIADAIVISAE AA
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UniRef90_W1Q838	I A Y E P V W A	I G T G L A A T A D D A Q E I <mark>H</mark> K D I R N F L S T A I G S
UniRef90_T1J351 UniRef90_H8MUB9	V A Y E P I WA L A Y E P V WA	I GTGMTATPQQAQEV <mark>H</mark> AYLRKWFLDNVSPEVS I GTG <u>R</u> TATTAQAQEV <mark>H</mark> AAIIRG <u>L</u> LTRM <u>Y</u> DEGTA
UniRef90_W6MIU9	I A Y E P V W A	I G T G <u>L A</u> A T P Q D A Q D I <mark>H</mark> K S I R D Y L <u>V</u> T S I G K D Q A
UniRef90_A7F1G3 UniRef90_F9X431	I A Y E P I WA V A Y E P V WA	I G T G K V A S T E Q A Q E V H A A I R S W L K K E V S E K A A I G T G <u>K V</u> A S E E Q A E E V H K W I R E W I E K E L G K E <u>A</u> A
UniRef90_Q6CJG5	V A Y E P V W A	G G A A A D A Q D
UniRef90_R5X6W6 UniRef90_UPI00031431EC	I A Y E P I WA	I GTGKTATAEQANDVISYI REVVASVYGD LA I GTGKTATAEDANETI GFI RMVI EKI YGKDLA
UniRef90_K3WWT6	IAYEPVWA	I
UniRef90_C9R8T0 UniRef90_F2T109	I A Y E P V W A	G T G R N A R P E D A Q E V N Y F R D W L A R R Y S P E K A G T G K V A T T E Q A Q E V H A S R E W L C K T V S P A V S
UniRef90_A3DBQ1	I A Y E P I WA	G T G K T A T N E Q A E E V <mark>C</mark> G R E <mark>C</mark> K E L Y G Q D V A
UniRef90_K6DSW0 UniRef90_A4XKV2	I A Y E P I WA	I GTGKSSTSQDANDV <mark>C</mark> AHI RQVVAQAFSQDVA I GTG <u>KN</u> ATPEEANR <u>VI GV</u> I RNVI AEM <u>YDE</u> D <u>T</u> A
UniRef90_H3G9A8	IAYEPVWA	I IG T GIV VIA T P A Q A Q E A H Q K IL IR K WII IA A NIVISIVIGIVIA
UniRef90_R9C0B5 UniRef90_G3ARZ3	V A Y E P I WA I A Y E P V WA	I GTGKSSTSADANEV <mark>C</mark> AHIRKVVSEQFSPEVA I GTG <u>LA</u> ATPEDAEETHKGIRDHLVKTIGADQA
UniRef90_M1VG61	IAYEPVWA	I IG T G K IV IA T A A O A O E A H S E II IR S WII IR R O IV IS E A <mark>C</mark> A
UniRef90_R5NAE4 UniRef90_D1AFV5	L A Y E P V W A	I GTGKTATAEQAE <u>EMH</u> AFI RTTI AEKFGAEAA I GTGKTATPEQAE <u>LVH</u> NFI RLLL <u>I</u> DLYGKEI G
UniRef90_UPI00030BDFA6	I A Y E P I WA	G T G K <u>S S</u> T A E D A N E V <mark>C</mark> A A R K <u>V V E N V F</u> S T D V A
UniRef90_E1ZKB3 UniRef90_D6SAR1	IAYEPIWA	I G T G K
UniRef90_D4JVV5 UniRef90_V5FMR1	I A Y E P V W A	I G T G K <u>T A T A D Q A E E V <mark>C</mark> A F I R A T L A K L Y</u> G A D V A
UniRef90_R7M7C2	I AYEPI WA	I GTGKVATTEQAQEVAAAI KKFLAEKI SPEVA
UniRef90_U1YG61 UniRef90_Q88YH4	I A Y E P I WA	I G T G K S S S A E D A Q D V L S F I R G T V E D A F D A Q V A I G T G K T A T S D Q A E E I <mark>C</mark> A V V R K <u>T</u> V A D L Y S Q E V A
UniRef90_UPI0002884FAE	IAYEPIIWAI	I
UniRef90_H2CIW0 UniRef90_UPI0002B49154	L A Y E P V W A L A Y E P V W A	I GTGRNATPEQAQEMHAFIRKTI ASLFSAAVA I GTGEVATPAQAQEVHHQLRKWLHRNVSAEVA
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UniRef90_L0GVU6	I A Y E P V W A	I G T G L T A T P E Q A Q E V H A F I R G R I A E Q S A D V A
UniRef90_F4LQU9 UniRef90_T1W788	FAYEPIWA IAYEPVWA	I
UniRef90_B0TDD3	$I \mid A \mid Y \mid E \mid P \mid V \mid W \mid A \mid$	I G T G K T A S D D D A Q Q V T A F I R A T V A A E F G N A A A
UniRef90_Q76BH6 UniRef90_Q5S7Y4	L A Y E P V W A	I G T G K T A T P Q Q A Q E V H H T L R D WV K K N V S E D V A I G T G K V A T P E Q A Q E V H E Q V R A WV A S N V S P S V A
UniRef90_UPI00028916F0	VAYEPI WA	G T G K S A T A E A E E V <mark>C H</mark> F R E T A G L Y G K D A A
UniRef90_A3FKF2 UniRef90 H5UTN9	L PYEPVWA	I GT GLAATAQDAQDI HAEI RKYLASQLGESTA I GT GEVATPEDAQEV <mark>C</mark> GAI RG <u>K</u> LAE <u>LY</u> GQA <u>T</u> A
UniRef90_K5WQY5	$I \mid A \mid Y \mid E \mid P \mid V \mid W \mid A \mid$	I G T G K <u>V </u> A T S T R A Q D T Q A E I R A V I R K S <u> V </u> S A T V A
UniRef90_U2EB62 UniRef90_UPI00037B1C2B	I A Y E P I WA L A Y E P L WA	G
UniRef90_UPI0004257DA7	I A Y E P I WA	G T G K T A S A D D A N E T <mark>C</mark> A V R E V V K S S F S E A A A
UniRef90_Q9HGY8 UniRef90_H1HUG6	I A Y E P V W A	G T G K V A T T Q Q A Q E V H A A I R K W L A D A I S P E A S G T G K T A T V A Q A E E V C R G R E T V K E L Y G E A I A
UniRef90_C7RH34	I A Y E P I WA	G T G K T A S S E D A D A <mark>M C</mark> G Y R S L A E <u>K</u> Y G K D <u>A</u> A
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UniRef90_R6YEL1	I A Y E P V W A	I
UniRef90_UPI00035D824D UniRef90_B3QPT6	V A Y E P V W A	I G T G K T A T P E Q A Q A V <mark>H</mark> A F I R G K I A A L D A S V A I G T G <u>K</u> T A T K E Q A Q D V H <u>A</u> S I R S T I E K L Y G D S <u>A</u> A
UniRef90_UPI00035E3236	IAYEPIIWAI	I
UniRef90_J7S1M7 UniRef90_R6J1N1	I A Y E P V W A	G T G L A A T A D D A Q D
UniRef90_UPI00040017BE	L A Y E P V W A	G T G K T A T A E Q A Q E <mark>H</mark> A Y R S T V E K Y G K E V A
UniRef90_U4TWL1	IAYEPIWA	I GTGKTATSDQAEE <mark>V C</mark> RHI RETI AKLYDQTTA

QUERY UniRef90_B4GNQ7 UniRef90_B3SCI7 UniRef90_Q8MPF2 UniRef90_A0A023GGS5 UniRef90_P82204 UniRef90_P82204 UniRef90_P82204 UniRef90_D7F1Q0 UniRef90_Q45XG1 UniRef90_P12863 UniRef90_P12863 UniRef90_A7S4D2 UniRef90_M5E9U4 UniRef90_B3URL7 UniRef90_B3URL7 UniRef90_E3URL7 UniRef90_C7G89 UniRef90_G7E089 UniRef90_G7E089 UniRef90_BQR59 UniRef90_BQR59 UniRef90_BQR59 UniRef90_BQR59 UniRef90_BQR59 UniRef90_V4AUY5 UniRef90_V4AUY5 UniRef90_W6N518 UniRef90_W6N518 UniRef90_W6N518 UniRef90_W6N518 UniRef90_H6BLF6 UniRef90_B3ZYC8 UniRef90_H6BLF6 UniRef90_F3ZYC8 UniRef90_H6BLF6 UniRef90_H8MUB9 UniRef90_H9MUB9 UniRef90_H9MUB9 UniRef90_H9MUB9 UniRef90_H9MUB9 UniRef90_H9MUB9 UniRef90_H9MUB9 UniRef90_H9MUB9 UniRef90_H9MUB9 UniRef90_H9MUB9 UniRef90_UPI00030BDFA6 UniRef90_UPI00030BDFA6 UniRef90_UPI0002B49154 UniRef90_UPI0002B49154 UniRef90_UPI0002B49154 UniRef90_UPI0002B49154 UniRef90_UPI0002B49154 UniRef90_UPI0002B49154 UniRef90_UPI0002B49154 UniRef90_UPI0002B49154 UniRef90_UPI0002B49154 UniRef90_UPI0002B49154 UniRef90_UPI0002B49154 UniRef90_UPI0002B49154 UniRef90_UPI0002B49154 UniRef90_UPI0002B49154 UniRef90_UPI0002B49154 UniRef90_UPI0002B49154 UniRef90_UPI0002B49164		NNNNTNTNTNNNNNNNNNNNNNNNNNNNNNNNNNNNNN	INTERPRETATION OF THE VIEW OF	VVVVVVVVVVVVVVVIVIVIVIVIVIGAVVSLVVAVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV
UniRef90_T1W788 UniRef90_B0TDD3 UniRef90_Q76BH6 UniRef90_Q5S7Y4 UniRef90_UP100028916F0 UniRef90_A3FKF2 UniRef90_H5UTN9 UniRef90_K5WQY5 UniRef90_U2EB62 UniRef90_UP100037B1C2B	SR R R R R R R R R R R R R R R R R R R	L Y G G S O N P K N A A N A N A A N A A N A A N A A N A A N A A N A A N A A A N A A A N A	A G E L F A Q P D I A A S L L S R P D I C K E L A S Q P D V S V E L A G K P D V I K D F L A Q A D D V V A D I M V K P D V C K E L A T Q P D V I K E L M S Q E H I V K E I M A Q P N I L E E L L G K S D V C K E L A T Q E R D V	D G G L I G G A S L K S D F T D G A L V G G A S L K A D F Q D G F L V G G A S L K P E F L D G F L V G G A S L K P E F L D G F L V G G A S L K P E F A D G A L V G G A S L K P E F A D G A L V G G A S L E P E F L D G A

OHEDY	
QUERY UniRef90 B4GNQ7	DIIINAK <mark>H</mark> DIINARQ
UniRef90_B3SCI7	QIVNAR
UniRef90_Q8MPF2 UniRef90_A0A023GGS5	NIVNAKQ QIINARQ
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UniRef90_A3DBQ1	K I <u>A</u> K Y
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UniRef90_A3FKF2	DIIKSR KI <mark>C</mark>
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UniRef90_D6Y1U7 UniRef90_W4BH40 UniRef90_U2SYL2 UniRef90_F9YU64 UniRef90_J0N2K6	RTPIIIAGNWKMFKT <u>V</u> SESNDFIIQEVKGKAEVEGVETVI RKKIIAGNWKMNMT <u>P</u> SEAKAL <mark>C</mark> ETL <u>KPL</u> VAGSSADIVF RKKIVAGNWKMNNDIIKKSTFIIADIIIKKIPKTFAFVMV
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UniRef90_UPI00047DAD4F UniRef90_V6MAA5 UniRef90_D3FY95 UniRef90_P07669 UniRef90_L1MBS2 UniRef90_D1PNY7	RTPIIAGNWKMFKTIAEAKKFAEEAKAGSDIAGVQKVIRKPIIAGNWKMNKTLGEAKQFVQEVKSNVPNSEVDAVVRKFFVGGNFKMNGSLESMKTIJEGLNTTKLNGDVETVIRKHIVAGNWKMNKNLQEGLALADALVPAVQGANCEVVL
UniRef90_A3UB69 UniRef90_V6Q688 UniRef90_UPI00036FF478 UniRef90_R7HN84 UniRef90_UPI00042B6ACB	RKHI VAGNWKMNMDLAQTQELISSLKQLVKETDVELLIRKPLIAGNWKMNKTISEALDFAEAVKNKVPSHDVDAVIRKNMVAGNWKMNTTLPEAQALISEIVHMVQDPAVEVVVRKNVVAGNWKMNTTLQEGVKLATEVNDALKSPNCDVIIMAGSGKNGTNESITKLVSDLNSSTLESDVDVVV
UniRef90_E4KPA9 UniRef90_B2UP29 UniRef90_S9UN64 UniRef90_UPI00047B0A12 UniRef90_UPI00047D0A12	S R K P F I A G N W K M H K T V E E A V Q F I N E V K D K L P S R D V D A A I R K V I V A G N W K M N K T A K E A A Q F F N E L K P L V A D K N A G I V I R K R I I A G N W K M N M T P S E A V K L V E E L K P L V V N D D V D V V Y K R T N I V A G N W K M N M T I A E S V E L A S A V I A E L G S S G C E A G I R K H I V A G N W K M N N D L A Q T E D L V S D L K K Q S K T S D A E V M I R T P I I A G N W K M N K T L G E A K K F A E E A K A G S D I A G V Q K V I R K P L I A G N W K M N K T L G E A K Q F V Q E V K S N V P N S E V D A V V R K F F V G G N F K M N G S L E S M K T I L E G L N T T K L N G D V E T V I R K H I V A G N W K M N K N L Q E G L A L A A E V N E L L K N P N C E V I L R K A I I A G N W K M N M T P T E A G H L I D A L V P A V Q G A N C E V V I R K H I V A G N W K M N M D L A Q T Q E L I S S L K Q L V K E T D V E L L I R K P L I A G N W K M N K T L S E A L D F A E A V K N K V P S H D V D A V I R K N M V A G N W K M N T T L P E A Q A L I S E I V H M V Q D P A V E V V V R K N I V A G N W K M N T T L Q E G V K L A T E V N D A L K S P N C D V I I M A G S G K N G T N E S T T K L V S D L N S S T L E S D V D V V V S R K P I I A G N W K M N K T A A E A R E F I E A V K N Q V P A N E D S V V G S R K P I I A G N W K M N K T L S E A K Q F A E E V K G L A P D S V D T V I C K R P I I A G N W K M Y K T L S E A K Q F A E E V K G L A P D S V D T V I C K R P I I A G N W K M Y K N R D E A L E F I Y Q V N D K L P S S N V E T V I
UniRef90_UPI0002FC4686 UniRef90_E1ZJ95 UniRef90_R5W5N9 UniRef90_J4GNQ3 UniRef90_R5L465 UniRef90_A9TTT0	KRIPI I AGNWKMYKNRDEALEFIYQVNDKLPSSNVETVIRKPI I AGNWKMNKVLSEALHFVDEVKSSLPRPDQVVVCRFFI GGNWKCNGTVESVTQLVKDLNAGPPADKVEI VVRKKLVAGNWKMNTLPAEGVELAKAVAAHETDSSVELIVRQFFVGGNFKMNPTQEQKRALVKVLNEATIDPAVEVVV
UniRef90_Q7KQM0 UniRef90_UPI0003FBA579 UniRef90_A1BQT3 UniRef90_I0L8D5 UniRef90_A0A023VJL0	K F F V G G N W K C N G T T E S I K K L V D E L N S V M L E E G V E V V V R K Y F V A A N W K C N G T L E S I K S L T N S F N N L D F D P K L D V V V R K K I V A G N W K M N M T F D E G Q K L T S E I V N M Y K D E A V K D V I R K L W V G G N W K C N G T K G S V D T L I K T L N E A D L P P A E D V V V R R P L M A G N W K M N L N H L E A N L L V Q K L A A S L T E K E V E T V V S R K P F I A G N W K M N K N P E E A K A F I E A V A S Q L P S A D V E A G I
UniRef90_UPI00036A880F UniRef90_D5URT6 UniRef90_K1M1W4 UniRef90_J3EPW8 UniRef90_E5WFN3	RKPFIAGNWKMNMTISEASELVKTVLEKSRDTEAEIVISRKPLIAGNWKMNLNHLEAIAVVQKLLAFALPEAKVDVTVRKKIVAGNWKMNLNHLEAIAVVQKLAFALPEAKVDVTVLRKFIIAGNWKMNLNFEDGQKLTSEIVNMLKDKDVTVVLRKPIIAGNWKLNKNPKETAEFVAGIKGKLADAKVEAVLRKPIIAGNWKMNKTLPEAKVFLEEINGLVPGKEQVVVCRKPIIAGNWKMNKTLKEGLEFIEEVKGQ TEGDVEVLV
UniRef90_E0E555 UniRef90_K0YWE9 UniRef90_E7RUW1 UniRef90_UPI0003C1AE30 UniRef90_M7N4Q4 UniRef90_C2G2T9	K R R P L V M G N W K M N G R Q A N N E A L L S A L K P A V A G F D T D V A V
UniRef90_A0A024QA68 UniRef90_R5BCL7 UniRef90_R5RV18 UniRef90_UPl0002197271 UniRef90_UPl00037072D6	RTKLVAGNWKMNTTPEEGQKLASEVVNMVKDENVQVVL RKKIVAGNWKMNLDYQSGVSLFSEIVNMVKDEQQEVVVV RKKIVAGNWKMNLDTPEEGQKLASEVVNMVKDEQQEVVVV RKKVIAGNWKMNKIATEANEFVDEVAAKVPDKQVEAIV RKNIVAGNWKMNKIATEANEFVDEVAAKVPDKQVEAIV RKNIVAGNWKMNKTLAETKAFVEAVDAKVSDS ADWGI RTPIIAGNWKMNKTLAETKAFVEAVDAKVSDS ADWGI RTPIIAGNWKMNKNLAHLEALAQVQKLAFALTEKDVEVAV QRTPLMAGNWKMNLDHLEALAQVQKLAFALTEKDVEVAV
UniRef90_A3TLE7 UniRef90_P48499 UniRef90_UP10004645B51 UniRef90_V5T6K6 UniRef90_B4DUI5	RTPLIAGNWKLHMNPKQTTEFVAAVKDKLPEAKVEÄLI SRKFFVGGNWKMNG
UniRef90_I7EQN8 UniRef90_V2QBP9 UniRef90_I9MJH8 UniRef90_UPI00039E3C44 UniRef90_UPI000422DEA9 UniRef90_C2M6C7	RRKLAAGNWKMNGTASALTEL GNLAYSCKSAKAEVLISRKPLIAGADIDSTRDVLFRKPLIAGNWKMNKNVSEGAALAAEIAGADIDSTRDVLFRKPIIAGNWKMNKNVSEGAALAGEIGKLTADADVDIVVRTPLMAGNWKMNLDHQQAISTVQKLSWTLKDAKVEVAVRKNIIAGNWKMNMDYTTGIGLFSEIVNMVNDEDQQVIVRKKIIAGNWKMNNDAGQSAELIAALLQKLPQTKAEVI
UniRef90_UPI00037E3BEA UniRef90_X5KAU1 UniRef90_E0NJT3 UniRef90_Q5CMF9 UniRef90_E3H866	RTPLIAGNWKMNLNHLEALGVVQKLLPTKYYDHVDVAVRKKIVAGNWKMNKNYTEAQDLMHELDKKHNATNCELYIRKPLIAGNWKMNKNYTEAQDLMHELDKKHNATNCELYIRKPLIAGNWKMNKSALLAEEFANEILEINLDDQVEALISRKYFVGGNFKCNGTKESLKTLIDSFKQVE SSNSEVYVRKTIVAGNWKMNKTLEEGLSLASEVANMAKDADVNLVMRKNIVAGNWKMNKTLEEGLSLASEVANMAKDADVNLVMRKNIVAGNWKMNKTLQEGLALATELNKALAGPNCDVVIRKPLIAGNWKMNKTLQEGLALATELNKALAGPNCDVVIRKPLIAGNWKMNKNLQEGVAFAKELEAALAGKCEVIV
UniRef90_Q11PZ7 UniRef90_E4T3W7 UniRef90_C7MSM6 UniRef90_F8WWW0 UniRef90_U7V8S4	R K K V I A G N W K M N K T L E E G L S L A S E V A N M A K D A D V N L V M R K N I V A G N W K M N K T L Q E G L A L A T E L N K A L A G P N C D V V I R K P L I A G N W K M N L N H L E A I A L V Q K I A F S L P E K K V D V T V R K N I V A G N W K M N K N L Q E G V A F A K E L E A A L A G K K C E V I V R K T I I A G N W K M N K T V A E T K A T L S E L K E L T N G E G V E I V I
UniRef90_J7L9I4 UniRef90_X5MH90 UniRef90_M5A0W4 UniRef90_M3D2K8 UniRef90_D7G091 UniRef90_W6KNN0	R K N I V A G N W K M N K N L Q E G V A F A K E L E A A L A G K K V E V I V R K T I I A G N W K M N K T V A E T K A T L S E L K E L T N G E G V E I V I A K R M P L I A G N W K M N N N H L E A I A L V Q K L A F A L N D K D A E V V V R R P I V A G N W K M N G S K A E I E A L I A A L S A R P A N A C D V V I A K R T P L I S G N W K M N L N H F E A I Q V V Q K L V P K E V F D D V E V S I R K P I I A G N W K M Y K T A S E A K Q F V E E V N G L V P N T E D A V I C R K F L I G G N W K C N G T R E N V A A L V E V L N G G E F P D N A E V V V Q P I V A G N W K C N G T H A S V E K L V N L L N S H K V T H D V Q C V V
UniRef90_G8QVI5 UniRef90_UPI00047E2F9C UniRef90_UPI0003611473 UniRef90_A0A031FZ18 UniRef90_U4KTB5	Q P I V A G N W K C N G T H A S V E K L V N L L N S H K V T H D V Q C V V R K P Y I A G N W K M N M T P S A G A A F A K E L A K A L E G V D T K V M I R K P L M A G N W K M N N N H F E A I A L V Q K L A F G L K E A D V D V A V R T P F I A G N W K M N K T L T E G E Q F I D A L S Q L P K N D E V E S A I R K P L I A G N W K M N L D H L Q A V A F V Q K L D A A H E T D S V E V V V R R P V L A G N W K M F K T R D E A L Q F I Y A I N Q E V P E A A V E S I I
UniRef90_I2ESF1 UniRef90_Q31NS8 UniRef90_Q6A9J2 UniRef90_R6ZI04	RKPLIAGNWKMNLDHLQAVAFVQKLDAAHETDSVEVVVRRPVIAGNWKMNLDHLQAVAFVQKLDAAHETDSVEVVVVRRPVIAGNWKMNKTFEELSEVVNMVKDEVTNPNVQVIVAVRRIIAGNWKMYKTQAEALEFLQAFLPQLPESRKVVLCSRTPIMAGNWKMNLDHVAATSLVQDLGEALKSSKSEAVVSKRTRLIAGNWKMNNDLNEAKDLAQALVAALPPEGVEVCV

UniRef90_D3PAL8 UniRef90_UPI00036DFE59 UniRef90_B7FSI3	50 60 70 80 A P P F I S I Y E I K K Y L N D S H I L A G Q N M Y F E D S G A Y T G E I S A D L P P F V D I R S V Q T L I D G D I V H G A Q D L S P F D S G A Y T G D V S G A C P S Q V H L Q S V Q S T I R G D V A V G A Q D L S P F D S G A Y T G E T S A N L P P F T D L R S V Q T L V A G R I L Y G A Q D L S A H D S G A Y T G E I S G A	
UniRef90_D6Y1U7 UniRef90_W4BH40 UniRef90_U2SYL2 UniRef90_F9YU64	CAPETNLPSLVEAKGTNIKI GAQNLHFEDNGAFTGEI SGV CVPAIDI VPV VEARGTNIKI GAQNLHFEDNGAFTGEI SAD	
UniRef90_J0N2K6 UniRef90_D9UFR8 UniRef90_H3NBS3 UniRef90_C7NBY8		
UniRef90_R5PFK3 UniRef90_B3EE10 UniRef90_UPl00047DAD4F UniRef90_V6MAA5	CVPALDIVPVVEAKGTNVQVGAENFYLEDKGAYTGEISAPAPTCPALFTGKLLASGSLFLAAQNCHYENDGAFTGEVSARAPATTNLWHFQSVREDDIEVIAQNMHFAENGAYTGEVSAS	
UniRef90_D3FY95 UniRef90_P07669 UniRef90_L1MBS2 UniRef90_D1PNY7	LAPFTDL RSVQTLVDGDI KYGAQDVS AHDSGAYTGELSGA GASTLQLTAVKEAKGSELQVAAQNSHFEDEGAFTGETSPA GAPFTALTATRETAGSNI KI AAENMNAKESGAYTGETSPA GAPFTALTATRETAGSNI KI AAENMNAKESGAYTGEVSPL CVPAIDI VPVVEAKGTNVQVGAENFYLEDKGAYTGEISAP APTCPALFTGKLLASGSLFLAQQNCHYENDGAFTGEVSAR APATTNL WHFQSVREDDI EVIAQNMHFAENGAYTGEISAS CAPYTALSALSELQGSGLALGAQNWHFEEQGAFTGEISPS CSPALFLELVSETNGTDLKVGAQNVHFEENGAFTGEISPS CSPALFLELVSETNGTDLKVGAQNVHFEENGAFTGEISPV FPQNMYLITTRQQVKKDIGVGAQNVHFEENGAFTGEISPV FPQNMYLITTRQQVKKDIGVGAQNVHFEENGAFTGEISPV FPQNMYLITTRQQVKKDIGVGAQNVHFEENGAFTGEISPV FPQNMYLITTRQQVKKDIGVGAQNVHFEENGAFTGEISPV FPQNMYLITTRQQVKKDIGVGAQNVHFEENGAFTGEISPV FPQNMYLITTRQQVKKDIGVGAQNVHFEENGAFTGEISPV	
UniRef90_A3UB69 UniRef90_V6Q688 UniRef90_UPl00036FF478 UniRef90_R7HN84	APPFTNLYAFEALRETPIKIAAQNMHQSDNGAFTGELSAKGAPALFLHGLVEAKGTDVQIAAQNSYFENSGAFTGENSPACPPFPFLPVGKLLQGGQFHLGAQNCHQKASGAFTGEVSAACVPFTHLASVKALDDSKLGLGAENCADKAKGAFTGEVSGA	
UniRef90_UPI00042B6ACB UniRef90_E4KPA9 UniRef90_B2UP29 UniRef90_S9UN64	CPPFFLPVGKLLQGGQFHLGAQNCHQKASGAFTGEVSAACVPFTHLASVKALDDSKLGLGAENCADKAKGAFTGEVSGAAPPFVYLDQVKASLTDRIEVSAQNSWIGKGGAFTGEISVEAPNLFVEGMTKGTKDSELKVAAQNSWIFDDEGAYTGEISVEAPNLFVEGMTKGTKDSELKVAAQNCYFDDEGAYTGETSPKLPFTTIPSVQNALGSCIAAGAQNVSQYDNGAYTGEISTSAPTFVHLPLVQAKLRNPKFVVSAENALAKSGAFTGEVSMP	
UniRef90_UPI000408458B UniRef90_UPI00047D0A12 UniRef90_UPI0002FC4686 UniRef90_E1ZJ95	A A PLEFLE QLITQSLS GSTVHV GA QTMHFENE GA FTGEVS PV CASAI YLRDLVKRQGDNLRI GA QNMHYLDE GA YTGEVS A E A PFLFLD RLVQA A NGSDLKI GA QNMHFEDS GA FTGEVS PV	
UniRef90_R5W5N9 UniRef90_J4GNQ3 UniRef90_R5L465 UniRef90_A9TTT0	CPPFTHLEVVKATRGKGVAVGAQNCAAEEKGAYTGEVSAAAPPAIYLLALKEIVRKEIKVSAQNCYLKSSGAFTGELSPACPNFVSLSTVSDLIDTKISLGAQNVYFEDKGAYTGETSVDSPPYLYLSQVLGSLSNRIEVAAQNSWVGKGGAFTGEISAEFPVSVHYDHTRKLLQSKFSTGIQNVSKFGNGSYTGEVSAEAPPFPHIFPVKKLIGDTIALGAQNCSNDKNGGAYTGEVSAKAPPFPHIFPVKKLIGDTIALGAQNCSNDKNGGAYTGEVSAKAPPFPHIFPVKKLIGSKFSTGIQNVSKFGNGSYTGEVSAK	
UniRef90_Q7KQM0 UniRef90_UPI0003FBA579 UniRef90_A1BQT3 UniRef90_I0L8D5	FPVSVHYDHTRKLLQSKFSTGIQNVSKFGNGSYTGEVSAE APPFPHIFPVKKLIGDTIALGAQNCSDKNGGAYTGEVSAK APPHLWLTHTIETIKDRVTVSSQDCNQFGMGAYTGSLSPE LPPFTDLRTVQTAVDGDIGYGGQDLSPHAAGAYTGDISGA	
UniRef90_A0A023VJL0 UniRef90_UPI00036A880F UniRef90_D5URT6 UniRef90_K1M1W4	APPFPHI FPWKKLI GDTI ALGAQNCSDKNGGAYTGEVSAK APPHLWLTHTIETI KDRVTVSSQDCNQFGMGAYTGSLSPE LPPFTDL RTVQTAVDGDI GYGGQDLSPHAAGAYTGDLSGA AAPALDLTVIEAAKGSDLKVAAQNAYFEATGAFTGENSPK IPPFTALYATKKLQGSSI HIGAQNLFWEDSGAFTGENSPK IPPFTDL RSVQTAVDGDI TYGAQDLSPHDSGAYTGDI SGA NPPFVHLYPVKKLI GPNLFLGAQNCSDKGSGAFTGEVSAS GAPAVDLQLI DAAKGTDLKVASENNYFEDAGAFTGETSPK APALFILERLVDSAKGYDVEI GAQNMHFEESGAFTGEVSAS	
UniRef90_J3EPW8 UniRef90_E5WFN3 UniRef90_E0E555 UniRef90_K0YWE9	GAPAVDLQLIDAAKGTDLKVASENNYFEDAGAFTGETSPKAPALFLERLVDSAKGYDVEIGAQNMHFEESGAFTGETSPK APALFLERLVDSAKGYDVEIGAQNMHFEESGAFTGEISPV CAPFTLLKDLKATKGTNIKIGAQNMHYENSGAFTGEVAPA IPPFTDIRSIQTLVESPIAYGAQDVSVHDNGAYTGEVSTA	
UniRef90_E7RUW1 UniRef90_UPI0003C1AE30 UniRef90_M7N4Q4 UniRef90_C2G2T9	CPPFPYLSQTAQLADSNITFGAQNLSAQQDGAYTGEVSSG	
UniRef90_A0A024QA68 UniRef90_R5BCL7 UniRef90_R5RV18 UniRef90_UPI0002197271	GAPFILYLEFARKQLDSKFGVAAQNCYKVSKGAFTGEI APPFTHLHQVARLIGDNISLAAQNVSEHEKGAYTGEISVS CSPAIHLYSLGQLAHTNVSVGAQNIHQAESGAYTGEISAA CAPFPFLAAIVKTKNTNLKVAAQTMHYEESGAFTGEVSPT CVPFTHLASINGVINTNLGLGAENCADHKSGAYTGEVSAP ATPYLALQAAKEGTK KLLVAAENCHFKDSGAYTGEVSVE GAPAIDLTTLVAAKGTPLKTAAENSYFEDAGAFTGETSPK LPPFVDLRSVQTLVDGRIRYGAQDLSEHDGGAYTGEISGA LPPFTDLRSVQTLVDGHLKYGAQDLSEHDGGAYTGEISGA	
UniRef90_UPI00037072D6 UniRef90_A3TLE7 UniRef90_P48499 UniRef90_UPI0004645B51	L PPF VDL R S V Q T L V D G R I R Y G A Q D L S E H D G G A Y T G E V S G A L PPF T D L R S V Q T L V D G H L K Y G A Q D L S Q H K N G A Y T G E I S G A A P T F V H I P L V Q A K L R N P K Y V I S A E N A I A K S G A F T G E V S M P A P F T I L K D I K F S T K G T D I K I A A Q N M H F F D N G A F T G E V S P I	
UniRef90_V5T6K6 UniRef90_B4DUI5 UniRef90_I7EQN8 UniRef90_V2QBP9	A P F T L L K D L K E S T K G T D I K I A A Q N M H F E D N G A F T G E V S P L C A P A V D L E L A Q A A K G S E L R V G A E N A Y F E D E G A F T G E T S P K Q K L D P K I A V A A Q N C Y K V T N G A F T G E I S P G C P P A T L L Y R A A N V C D S K V S I G A Q D C H S A T Y G A H T G D L S A E A P P F T G I Y A V A E A V G G K A L V A A Q N I Y F E E S G A F T G E V S S G C P T F T T L T A V A A L H G T N I H L G A Q N L H W E K K G A F T G E V T A E	
UniRef90_I9MJH8 UniRef90_UPI00039E3C44 UniRef90_UPI000422DEA9 UniRef90_C2M6C7	I PPFT DL R SVQTL VD A DII VY GA Q DL S R H E S G A Y T G E II S G M C PPY I H L N G M A Q L A K S Q I S V G A Q N C H G A C A F T G E II S A E	
UniRef90_UPI00037E3BEA UniRef90_X5KAU1 UniRef90_E0NJT3 UniRef90_Q5CMF9	APPALYLTTAKNIFNDEI GVFAQDMSEHTSGAYTGEI AAD CPPFTAI DRFKKTICDKVKLGAQNLSEREEGAVTGEI SAE	
UniRef90_E3H866 UniRef90_Q11PZ7 UniRef90_E4T3W7 UniRef90_C7MSM6	GVPFTALDAVKAVEGSGIEI AAQNMNPNESGAFTGEI APS CLPYISLAAVSKVINDKVAI GAQNVYQKESGAFTGEI SAP GTPALHLASVAAAI DTKI GVAAQNCANKESGAYTGEI SAA LPPFTDI RSVQTLVDGDLTYGAQDVSPHDSGAYTGDI SAP	
UniRef90_F8WWW0 UniRef90_U7V8S4 UniRef90_J7L9I4 UniRef90_X5MH90	GTPALHLASVAAAI DTKI GVAAQNCANKESGAYTGEI SAP GTPALHLASVAAAI DTKI GVAAQNCANKESGAYTGEI SAA LPPFTDI RSVQTLVDGDLTYGAQDVSPHDSGAYTGDI SAP GTPFLHLASVAS STKLGVAAQNCADKVSGAYTGEVSAA GAPFTALEAVKTVEGSNVALAQNCADKVSGAYTGEI SPV LPPFTDI RSVQTLVDGRI GFGAQDI SAHDKGAYTGEI SPV LPPFTDI RSVQTLVDGRI GFGAQDI SAHDKGAYTGEI SGA PPFTLVADFSSTCASSPVEI AGQDCSALAPGAHTGDVAAS HPPFTDI RSVQTLI ESDFSLGAQHCHFEDSGAFTGEVSPA APPSI ELQUVSKESALQI GAQTMSEQDEGAFTGEI SPV APPSI ELQUVSKI SHPKFALSAQNOKANARGAYTGEI CAS	
UniRef90_M5A0W4 UniRef90_M3D2K8 UniRef90_D7G091 UniRef90_W6KNN0	HPPFTDIRSVQTLIESDFSLGAQHCHFEDSGAFTGEVSPAAPALFLAQLVVSSKESALQIGAQTMSEQDEGAFTGEISPVAPPSIFLQTVKDTIRPDIKVSTQNVGKNRPGAYTGELCASAPTFLHIALVQSKLSHPKFALSAQNALAKSGAFTGEVSMP	
UniRef90_G8QVI5 UniRef90_UPI00047E2F9C UniRef90_UPI0003611473 UniRef90_A0A031FZ18	APPFVTI PAV LEAKGSNI I VAAQNMNDHLSGAYTGEVSPALPPFTDI RSVQTLVDADI TYGSQDISQHASGAYTGEI SGA CAPFLHL PSLVAAKDLELGI GAENSHFEDSGAFTGEVSPA FPPFTDI RTVQTLI DAPFALGAQDLSTKDSGAYTGFVSGA	
UniRef90_U4KTB5 UniRef90_I2ESF1 UniRef90_Q31NS8 UniRef90_Q6A9J2	APPFILHI AL VQSKLSHPKFAISAQNAIAKSGAFTGEVSMPAPPFVTI PAVLEAKGSNII VAAQNMNDHLSGAYTGEVSPALPPFTDI RSVQTLVDADI TYGSQDISQHASGAYTGEISGACAPFIHLPSLVAAKDLELGI GAENSHFEDSGAFTGEVSPAFPPFTDI RTVQTLIDAPFALGAQDLSTKDSGAYTGEVSPAFPPFTDI RTVQTLIDAPFALGAQDLSTKDSGAYTGEVSGACANDVLLRCLVKRQGENLKI GAQNMHFEENGAFTGETSPLCVPAPYLSSFGKMIDTPVALGAQNCYPKASGAYTGEVSVPAPFTTLSSLSKTLHGSRVRVGAQNI HWAKEGAFTGEISGAIPPFTDI RTVQTLIDGPI AYGAQDLSVPKASGAYTGEVSVP	
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JAMESSO DOPALS MILES A G C N V V I L G I S E R R R I I I F G E D D E V N K K V D I A L K K S L I MAN SERVE MARKED DE VI N K K V D I A L K K S L I MARKED DE VI N K K V D I A L K K S L I MARKED DE VI N K K V D I A L K K S L I MARKED DE VI N K K V D I A L K K S L I MARKED DE VI N K K V D I A L K K K S L I MARKED DE VI N K K V D I A L K K K S L I MARKED DE VI N K K V D I A L K K K S L I MARKED DE VI N K K V D I A L K K K A F R R G L I MARKED DE VI N K K V D I A A L K K G L I MARKED DE VI N K K V D I A A L K K G L I MARKED DE VI N K K V D I A A L K K G L I MARKED DE VI N K K V D I A A L K K G L I MARKED DE VI N K K V D I A A L K K G L I MARKED DE VI N K K V D I A A L K K G L I MARKED DE VI N K K V D I A A L K K M D I MARKED DE VI N K K V D I MARKED DE VI N K K V D I MARKED DE VI N K K V D I MARKED DE VI N K K V D I MARKED DE VI N K K V D I MARKED DE VI N K K V D I MARKED DE VI N K K V D I MARKED DE VI N K K V D I MARKED DE VI N K K V D I MARKED DE VI N K K V D I MARKED DE VI N K K V D I MARKED DE VI N K K V D I MARKED DE VI N K K V D I MARKED DE VI N K K V D I MARKED DE VI N K K M D I MARKED DE VI N K K M D I MARKED DE VI N K K M D I MARKED DE VI N K K M D I MARKED DE VI N K K M D I MARKED DE VI N K K M D I MARKED DE VI N K K M D I MARKED DE VI N K K M D I MARKED DE VI N K K M D I MARKED DE VI N K K M D I MARKED DE VI N K K M D I MARKED DE VI N K K M D I MARKED DE VI N K K M D I MARKED DE VI N K K M D I MARKED DE VI N K M M D I MARKED DE VI N K M M D I MARKED DE VI N K M M D I MARKED DE VI N K M M D I MARKED DE VI N K M D I MARKED DE VI N M		90 100 110 120
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JAIRGE90 USYVL2 JAIRGE90 JUSYVL2 ML K D L G A E YV I I G H S E R R G Y F A E T D A D I N K K L K A A L LE K G L JAIRGE90 F9YU64 JAIRGE90 JON266 ML K S I G V K T V I L G H S E R R G Y F A E T D A D I N K K L K A A L LE K G L JAIRGE90 D9UFR8 ML T F I I G V S Y V I L G H S E R R A Y F N E T D A S L A K K A D T A L K H N II JAIRGE90 C7NBY8 ML A K L K O L T Y V V A II G H S E R R A Y F N E T D A S L A K K A A Y K H G L JAIRGE90 B3EE10 JAIRGE90 B3EE10 JAIRGE90 B3EE10 JAIRGE90 B3E210 ML L G A G W Y Y V I L G H S E R R R E T Y Y E D E D L N A K K I K A A Y K H G L JAIRGE90 B3EE10 JAIRGE90 JAIRGE90 P97669 JAIRGE90 P97669 JAIRGE90 P97669 JAIRGE90 P97669 JAIRGE90 D1PNY7 ML K E L G V E YV I L G H S E R R R A Y F N E T D D A S L A K K V D A A L K N D D M JAIRGE90 P97669 JAIRGE90 D1PNY7 ML K E L G V E YV I L G H S E R R R A Y F N E T D D E T V N K K V K A A L S N D M JAIRGE90 D1PNY7 ML K E L G V E YV I L G H S E R R R A Y F N E T D D E T V N K K V L A A L K H G L JAIRGE90 P97669 JAIRGE90 D1PNY7 ML K E L G V E YV I L G H S E R R R A Y F N E T D D E T V N K K V L A A L K H G L JAIRGE90 P97669 JAIRGE90 D1PNY7 ML K E L G V E YV I L G H S E R R R A Y F N E T D D E T V N K K V L A A L K H G L JAIRGE90 P97669 JAIRGE90 D1PNY7 ML K E L G V E YV I L G H S E R R R A Y F N E T D D E T V N K K V L A A L K H G L JAIRGE90 P97669 JAIRGE90 D1PNY7 ML K S G A E YV V I L G H S E R R R R R F F R E T N R E T D A G L T K F A L L E Q G L JAIRGE90 P97669 JAIRGE90 D1PNY7 ML K S G A E YV V I L G H S E R R R R R F F R E T N E T D A G L T K R A A F K H N L JAIRGE90 P97669 JAIRGE90 D1PNY7 ML K S G A F YV V I L G H S E R R R R R F F R E T N E T D E T V N K K V L A A L K H G L L D A G L T Y V T L T G H S E R R R R F F R R E T R R F F R R R R R R R R R R R R R R R	UniRef90_B7FSI3	MLKDLGVKWAVIGHSERRG KGEPDAQVAAKAKYALDQGL
	UniRef90_D6Y1U7 UniRef90_W4BH40	MILIA KILIG <mark>U</mark> T FIIL VIGHSERRQYHHEDDDAILI <mark>C</mark> NAKILIKAAFRHGILI MILIK DILIGIVID YIVI IIGHSERRQYFAET DETIVIN KKILIHAAFRHGILI
	UniRef90_U2SYL2	ML K D A G A E Y V I I G H S E R R G Y F A E S D A D I N K K L K K A L E K G L
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	UniRef90_D9UFR8	MILIAKILIK <mark>C</mark> TYVAIIGHSERRQYHRETDEILVNAKIIKAAYKHGILI AILEALIGUEYVLIGHSERREUEGETDEDVNKKVKAVVAHGM
	UniRef90_C7NBY8	MLKDLGVEYVILGHSERREYYHETDELINEKVKSALAHDL
JAIRE190 _ JOSPY95	UniRef90_R5PFK3 UniRef90_B3EE10	MILIGAG <mark>C</mark> TYVIIIGHSERRQIIFGETDEIIVNRKVISKAILQEGIL
JAIRE990_D3FY95 JAIRE990_D1PNY7 JAIRE990_D1PNO036F478 JAIRE990_D1PNO037F478	UniRef90_UPI00047DAD4F	MLKSIGIKTVI LGHSERRAYFNETDASLAKKVDAALSNDM
JOIRGE90_D1PNY7 MIL K S _ G A E Y V I L G H S E R R E Y Y N E T D E T V N K R A R A A L A G G L JINGE90_A3UB69 JOIRGE90_C1P00036FF478 MIL K S _ W G V K T V I L G H S E R R A Y F H E T D E D L N K K A K A L I A N G M JOIRGE90_UP100036FF478 MIL K S _ W G V K T V I L G H S E R R A Y F H E T D E D L N K K A K A L I A N G M JOIRGE90_UP100042B6ACB JOIRGE90_E1KPA9 JOIRGE90_E1KPA9 JOIRGE90_E1KPA9 JOIRGE90_UP100042B6ACB MIL K D W G C E Y V I L G H S E R R A Y F H E T D E E L L K E K W A L A L A G L JOIRGE90_UP100042B6ACB MIL K D W G C E Y V I L G H S E R R A Q Y F R E D D E L L S Q K L K A A A L N A G L JOIRGE90_UP100042B6ACB MIL K D W D Y V I L G H S E R R A Q Y F R E D D E L L S Q K L K A A A L N A G L JOIRGE90_UP1000408458B MIL M D E L N L K Y V V L L G H S E R R A Q Y F R E D D E L L S Q K L K A A A L N A G L JOIRGE90_UP1000408458B MIL M D E L N L K Y V V L L G H S E R R A Q Y F R E D D E L L S Q K L K A A A L N A G L JOIRGE90_UP100047D0412 JOIRGE90_UP100047D0412 JOIRGE90_UP100047D0412 JOIRGE90_UP100047D0412 JOIRGE90_UP100047D0412 JOIRGE90_UP100047D0412 JOIRGE90_UP100047D0412 JOIRGE90_UP10003FBA579 JOIRGE90_UP10003FBA579 JOIRGE90_UP10003FBA579 JOIRGE90_UP10003FBA579 JOIRGE90_UP10003FBA579 JOIRGE90_UP100003FBA579 JOIRGE90_UP1000047FBA10 JOIRGE90_UP1000047	UniRef90_D3FY95	ALEDMNVAYVI IGHSERREMFAETDETVNKKVHAAFKHNL
JiniRef90	UniRef90_P07669 UniRef90_L1MBS2	S L D A G L T Y T L T G H S E R R T F K E S D E F V A D K T K F A L E Q G L M
JiniRef90	UniRef90_D1PNY7	MLTDLGVEYVVIGHSERRQYFAETDETVNKRARAALAGGL
JiniRef90	UniRef90_V6Q688	ALADMGVDYVIIGHSERREYFHETDEDINKKAKALIANGM
JniRef90	UniRef90_UPI00036FF478 UniRef90_R7HN84	NIIVIA SILIJA KITU II III II SEKKUTT II EI SEILI KEKIVIAII IA EEN IIII I
JniRef90_B2UP29	UniRef90_UPI00042B6ACB	QLKDIGCKWVILGHSERRHIIGEDDQFIGKKAAYALNEGL
JniRef90_J4GNQ3 JniRef90_R5L465 JniRef90_Q7KQM0 JniRef90_Q7KQM0 JniRef90_UPl0003FBA579 JNIREf90_UPl0003FBA579 JNIR	UniRef90_B2UP29	MLNELNLKYVVLGHSERRQYFGETDAIINSKIKKALAAGI
JniRef90_J4GNQ3 JniRef90_R5L465 JniRef90_Q7KQM0 JniRef90_Q7KQM0 JniRef90_UPl0003FBA579 JNIREf90_UPl0003FBA579 JNIR	UniRef90_S9UN64 UniRef90_UPI000408458B	LLKDLKI NWVI LIGHSERRIYYGEINELVAQKTLDAYKQGF QLADLGVEYVI LGHSERREYFNETDEAVNKKVHAAFAHSL
JniRef90_J4GNQ3 JniRef90_R5L465 JniRef90_Q7KQM0 JniRef90_Q7KQM0 JniRef90_UPl0003FBA579 JNIREf90_UPl0003FBA579 JNIR	UniRef90_UPI00047D0A12	MILKNII GVSYVVLIGHSERRAYYNETDETVNLKTKKALAEGL
JniRef90_J4GNQ3 JniRef90_R5L465 JniRef90_Q7KQM0 JniRef90_Q7KQM0 JniRef90_UPl0003FBA579 JNIREf90_UPl0003FBA579 JNIR	UniRef90_E1ZJ95	MLHDFGIPWVILGHSERRSCCREDDELVGQKCEYALSQGL
JniRef90_Q7KQM0 JniRef90_UPl0003FBA579 JniRef90_LDBD5 JniRef90_A0A023VJL0 JniRef90_LDBD5 JniRef90_UPl00036A880F JniRef90_LDBD5 JniRef90_UPl00036A880F JniRef90_LDBD5 JniRef90_LDBD5 JniRef90_UPl00036A880F JniRef90_LDBD5 JNIREf90_LDBD5 JNIREf90_LDBDD5 JNIREf90_LDBDD5 JNIREf90_LDBDD5 JNIREf90_LDBDD5 JNIREf90_LDBDDD JNIREf90_LDBDDD JNIREfDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	UniRef90_R5W5N9 UniRef90_J4GNQ3	
JniRef90_Q7KQM0 JniRef90_UPl0003FBA579 JniRef90_LDBD5 JniRef90_A0A023VJL0 JniRef90_LDBD5 JniRef90_UPl00036A880F JniRef90_LDBD5 JniRef90_UPl00036A880F JniRef90_LDBD5 JniRef90_LDBD5 JniRef90_UPl00036A880F JniRef90_LDBD5 JNIREf90_LDBD5 JNIREf90_LDBDD5 JNIREf90_LDBDD5 JNIREf90_LDBDD5 JNIREf90_LDBDD5 JNIREf90_LDBDDD JNIREf90_LDBDDD JNIREfDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	UniRef90_R5L465	MILISAGVKYCI VGHSERRAYFNETDELVNKKVKKLLEKDL
JniRef90_A1BQT3 JniRef90_IOL8D5 JniRef90_A0A023VJL0 U_L A E MGT H Y V V V G H S E R R A Y H H E D D G V V N A K V K A A L T H G L JniRef90_D5UR76 JniRef90_D5UR76 JniRef90_J3EPW8 JniRef90_J3EPW8 JniRef90_E5WFN3 JniRef90_E5WFN3 JniRef90_E5WFN3 JniRef90_E0E555 JniRef90_E0E555 JniRef90_E0E555 JniRef90_E0E0E555 JniRef90_E0E0E555 JniRef90_E7RUW1 JniRef90_UP10003C1AE30 JniRef90_UP10003C1AE30 JniRef90_UP10003C1AE30 JniRef90_UP10003C1AE30 JniRef90_UP10003C1AE30 JniRef90_C2G2T9 JniRe	UniRef90_Q7KQM0	TAK DENIE YVI I GHERRKYFHET DEDVREKEQASLKNNL
JniRef90_E0E555 NL VE I G MD Y V I I G H S E R R E Y Y G E T D E T C N K K V L K A I E V G I JniRef90_E7RUW1 JniRef90_UP10003C1AE30 JniRef90_UP10003C1AE30 JniRef90_C2G2T9 ML K N L GVK WV I I G H S E R R E Y F G E S G Q Q L A K K L D A V L A G G L JniRef90_C2G2T9 QV K S V G A E Y V I L G H S E R R A Y F G E T D E L L A E K V N I A L K H G L	UniRef90_UPI0003FBA579 UniRef90_A1BQT3	ML LD A GI K T TI I G H S E R R E Y F K E N N E L LA E K V K I A L A H G L ML LD A GI K T TI I G H S E R R D I F H E N D E E I G K K V A K A L S C G M
JniRef90_E0E555 NL VE I G MD Y V I I G H S E R R E Y Y G E T D E T C N K K V L K A I E V G I JniRef90_E7RUW1 JniRef90_UP10003C1AE30 JniRef90_UP10003C1AE30 JniRef90_C2G2T9 ML K N L GVK WV I I G H S E R R E Y F G E S G Q Q L A K K L D A V L A G G L JniRef90_C2G2T9 QV K S V G A E Y V I L G H S E R R A Y F G E T D E L L A E K V N I A L K H G L	UniRef90_I0L8D5	MLAKLGCTYVVVGHSERRAYHHEDDGVVNAKVKAALTHGL
JniRef90_E0E555 NL VE I G MD Y V I I G H S E R R E Y Y G E T D E T C N K K V L K A I E V G I JniRef90_E7RUW1 JniRef90_UP10003C1AE30 JniRef90_UP10003C1AE30 JniRef90_C2G2T9 ML K N L GVK WV I I G H S E R R E Y F G E S G Q Q L A K K L D A V L A G G L JniRef90_C2G2T9 QV K S V G A E Y V I L G H S E R R A Y F G E T D E L L A E K V N L A G G L JniRef90_C2G2T9 QV K S V G A E Y V I L G H S E R R A Y F G E T D E L L A E K V N L A L K H G L	UniRef90_UPI00036A880F	ML K D A G C T Y V V I G H S E R R Q Y F G E T N E T V N K K L K S A L F H K L
JniRef90_E0E555 NL VE I G MD Y V I I G H S E R R E Y Y G E T D E T C N K K V L K A I E V G I JniRef90_E7RUW1 JniRef90_UP10003C1AE30 JniRef90_UP10003C1AE30 JniRef90_C2G2T9 ML K N L GVK WV I I G H S E R R E Y F G E S G Q Q L A K K L D A V L A G G L JniRef90_C2G2T9 QV K S V G A E Y V I L G H S E R R A Y F G E T D E L L A E K V N L A G G L JniRef90_C2G2T9 QV K S V G A E Y V I L G H S E R R A Y F G E T D E L L A E K V N L A L K H G L	UniRef90_D5URT6 UniRef90_K1M1W4	F L A K L G C T Y V V V G H S E R R T L H G E T N E I V L E K T K A A L R H G L M L A S F G A D Y V I L G H S E R R E Y F G E S N E L T T K T R Q A L E N G L
JniRef90_E/RUW1	UniRef90_J3EPW8	VLAEMGVNYGIIGHSERREYFHETDEDINKKAHALFKNGV
JniRef90_E/RUW1	UniRef90_E0E555	NL VEI GMDYVI I GHSERREYYGETDETCNKKVLKATEVGI
R P C L F T S L Q L I G Q K V S H A L S E G L	UniRef90_K0YWE9 UniRef90_E7RUW1	ML VDLKVRWVL VGHSERREYHNEIDEV VNAKARKALAADL ML VDLKVRWVL VGHSERRSLIYGET DEI VAAKTQVALDAGL
JniRef90_C2G2T9 QVKSVGAEYVILGHSERRAYFGETDELLAEKVNLALKHGL	UniRef90_UPI0003C1AE30	MILIK NILIGIVIK WIVILLIGH SERREYEGESGOOILIA K KILID AIVILIA GGILI
Julikef90_RSBC17 MIV A S T G A K Y V I L G H S E R R Q Y Y G E T D E TIV K K K K M A A I L K N D M L K E I G V E WV I L G H S E R R Q Y F G E T D E TIV K A K M I A I L K N N M M K K E I G V E WV I L G H S E R R Q Y F G E T D E TIV K A K M I A I L K N N M M L K E I G V E WV I L G H S E R R Q Y F G E T D E TIV K A K W A A A Y R N G L Julikef90_PSBA09 Julikef90_PSBA09 Julikef90_PSBA09 Julikef90_BADUI5 MIL A K L N D I Y V V I G H S E R R Q Y F K E T D E D I N K K A K A Y E N G L Julikef90_BADUI5 Julikef90_BADUI5 MIL K E M G M N Y C I I G H S E R R G Y F N E T D E T V N K K V K A A Y E N G L Julikef90_PSBA09 MIL K E M G M N Y C I I G H S E R R G Y F N E T D E T V N K K V K A A Y E N G L Julikef90_PSBA09 MIL K E M G M N Y C I I G H S E R R G Y F N E T D E T V N K K V K A L A L F A N D I Julikef90_PSBA09 MIL K D G G A T A V I L G H S E R R G Y F N E T D E T V N K K K K A L A L F A N D I Julikef90_PSBA09 MIL K D G G A T A V I L G H S E R R G Y F N E T D E T V N K K K K K A L A L F A D G L Julikef90_PSBA04 MIL R S A G A S WV I L G H S E R R G Y F N E T D E T V N K K V K K A A L E G K L Julikef90_PSBA04 MIL R S V N A T G A I I G G T Y V V V I G H S E R R G Y F N E T D E S V N K K V K K A A L E G G G L Julikef90_ESBA0 MIL R S V N A T G A I I G H S E R R G Y F N E T D E S V N K K V K K A L E D G L Julikef90_ESBA0 MIL R S V N A T G A I I G H S E R R G Y F N E T D E S V N K K V K K A L E D G L Julikef90_ESBA0 MIL R S V N A T G A I I G H S E R R G Y F N E T D E S V N K K V K K A L E D G L Julikef90_ESBA0 MIL R S V N A T G A I I G H S E R R G Y F N E T D E S V N K K V K A A L E G G L Julikef90_ESBA0 MIL R S V G V V V V I G H S E R R E Y F G E T D E S V N K K V K A A L E A G K L G C T V V V V I G H S E R R E Y F G E T D E S V N K K V K A A L E A G K L G C T V V V V I G H S E R R E Y F G E T D E S V N K K V K A A L E A G K L G C T V V V V I G H S E R R E Y F G E T D E S V N K K V K A A L E A G G L JURIKEF90_ESBA0 MIL R S V G V V V V V G H S E R R E Y F G E T D E D V N A K V K K A L E A G G L JURIKEF90_ESBA0 M	UniRef90_C2G2T9	QVKSVGAEYVILGHSERRAYFGETDELLAEK <u>VNLALKHG</u> L
JAIRGE90_UP10002197271 JAIRGE90_UP10002197271 JAIRGE90_UP100037072D6 JAIRGE90_UP100037072D6 JAIRGE90_UP100037072D6 JAIRGE90_UP100037072D6 JAIRGE90_UP100034045B51 JAIRGE90_UP10004645B51 JAIRGE90_UP10004645B51 JAIRGE90_UP10004645B51 JAIRGE90_UP1000462B51 JAIRGE90_UP1000462B51 JAIRGE90_UP1000462B61 MIL K E LI NIL D V V V I G H S E R R R Q Y F K E T D E T V K K K K A Y E N G L JAIRGE90_UP1000462B61 JAIRGE90_UP1000462B61 MIL K E LI NIL D V V V I G H S E R R Q Y F N E T D E T V K K K V K A A A Y E N G L JAIRGE90_UP100039E3C44 JAIRGE90_UP100039E3C44 MIL K D A G A T A V V I G H S E R R R Q Y F N E T D E T V N K K V K K A L A D G L JAIRGE90_UP100039E3C44 MIL K D A G A T A V V I G H S E R R R S Q Y F A E T D E T V N K K V K K A L A D G L JAIRGE90_UP100039E3C44 MIL K D A G A T A V V I G H S E R R R S Q Y F A E T D E S V N K K V K K A L A D G L JAIRGE90_UP1000342DEA9 JAIRG	UniRef90_R5BCL7	MVASTGAKYVILGHSERRQYYGETSETLKEK <u>VNLA</u> LANNL
Jinker90	UniRef90_R5RV18 UniRef90_UPI0002197271	M L K E L G V E W V L G
	UniRef90_UPI00037072D6	MLAKÜNCTYVVGHSERRQYHAESEPVVNAKVKAAYRHGÜ
JniRef90_UP10004645B51	UniRef90_P48499	L K DI GVH WVI L GHSERRTYYGETDELVAQKVSEACKQGF
Diriker90		ML
Juire190	UniRef90_B4DUI5	MI K D C G A T WV V L G H S E R R H V F G E S D E L I G Q K V A H A L A E G L
JAIRGE90	UniRef90_V2QBP9	MI KSAGAS WVI LGHSERRS FGET DELINKKVKKALADGL
JniRef90	UniRef90_I9MJH8 UniRef90_UPI00039E3C44	M L R D V C C E Y V L V G H S E R R Q Y F A E I D E S V N K K V K A A <u>L </u> E G K L M L N K L G <u>C</u> T Y V V I G H S E R R E Y H A E S D D V V N A K V R A A F A H G L
JniRef90_UP100037E3BEA ML A K L G C T W V L G H S E R R T F H G E D D A L V K A L E H G L	UniRef90_UPI000422DEA9	MI QSVGVKYVI LGHSERRQYFNESNTLLAEKVNSALKNNL MI EALGVRTTI LGHSERREYENETDESI AKKVDTAI AHOE
JniRef90_Q5CMF9	UniRef90_UPI00037E3BEA	MLAKLGCT WVVLGHSERRTUHGEDDALVARKVTKALEHGL
JniRef90	UniRef90_E0NJT3	ML VDLGCD YVI VGHSERRDYFKESSEI VRLKAEKAI ECGL
JniRef90_Q11PZ7	UniRef90_Q5CMF9 UniRef90_E3H866	M L K D M D D <mark>C </mark> S L V G H S E R R Q Y Y S E T D Q V N N K V K K G L E N G L M L T S G V K Y V L G H S E R R E Y Y K E C D E F N F K V K A A K N G
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JNIREF90_U7V8S4 JNIREF90_U7V8S4 ML K E I GVK Y V I L G H S E R R T Y Y G E T D A II L K E K V L L A L A H D L JNIREF90_J7L9I4 JNIREF90_X5MH90 JNIREF90_M5A0W4 JNIREF90_M5A0W4 JNIREF90_M5A0W4 JNIREF90_M5A0W4 JNIREF90_M5A0W4 JNIREF90_W6KNN0 JNIREF90_W6KNN0 JNIREF90_UP100047E2F9C JNIREF90_UP100047E2F9	UniRef90_C7MSM6	MLAKEGCTYVVVVGHSERREYHGETDELVNKKVRAALKHGL
JniRef90_J7L914 ML A K L E	UniRef90_F8WWW0 UniRef90_U7V8S4	M V A S G A K Y V L G H S E R R T Y Y G E T D A L K E K V L L A L A N G L M L K E G V K Y V L G H S E R R E Y F H E S N A F N E K V K A A L A H D
JniRef90_M5A0W4 JniRef90_M5D7G091 JniRef90_D7G091 JniRef90_W6KNN0 JniRef90_UP100047E2F9C JniRef90_UP10003611473 JniRef90	UniRef90_J7L9I4	MLAKLECSYVLVGHSERREYHNEDDALVNAKVKAAYKNGI
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L	UniRef90_D7G091	Q L A D L G V K Y V
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JniRef90_U4KTB5 V L E T T G V T Y V I I G H S E R R A M F N E T D E T V N L K L K S A I K H D L J N L M S V G V S Y I I I G H S E R R Q Y F N E S D A F L A E K V D A I L A E G L J N M L T E I G V R Y V V V G H S E R R Q Y F G E T D E T V N Q R L L A A Q S F G L N M L T E I G V R Y V V V G H S E R R Q Y F G E T D E T V N Q R L L A A Q S F G L N M L S K L G C R Y V V V G H S E R R E Y H N E S D E L V N A K A K K V I E N G M L S K L G C R Y V V V G H S E R R E Y H N E S D E L V N A K A K A K A I L A C G	UniRef90_UPI0003611473 UniRef90_A0A031FZ18	MIL E A L G V D Y V I G H S E R R E H F N E T D D S V N K K V H A L H A K G L F L K K L A A D Y V I G H S E R R E Y H A E S D E V V A A K V Q A A L R H D L C C C C C C C C C
JniRef90_Q31NS8 ML T E I GVR Y V V V G H S E R R Q Y F G E T D E T V N Q R L L A A Q S F G L JniRef90_Q6A9J2 ML S K L G C R Y V V V G H S E R R E Y H N E S D E L V N A K A K K V I E N G M JniRef90 R67104 MI K S V P V F V O I I G H S E R R D Y F K F T D F D F N K K A K A I L A C G II	UniRef90_U4KTB5	VLETTGVTYVIIGHSERRAMFNETDETVNLKLKSAIKHDL
JNIKETYU_QOAYJZ MILISKILIG <mark>U</mark> KYIVVVIGHSERREYHNESDE <u>ILV</u> NAKAKKIVI ENGM JNIREF90 R6Z104 MILIKSIVIPIVIEYOLI II GHSERRDYEKETDEDENKKAKAILI I AGGI	UniRef90_Q31NS8	MLTEIGVRYVVVGHSERRQYFGETDETVNQRLLAAQSFGL
	UniRef90_Q6A9J2 UniRef90_R6ZI04	M L S K L G <mark>C </mark> R Y V V V G H S E R R E Y H N E S D E <u>L V </u> N A K A K V I E N G M M L K S V P V E Y <mark>C </mark> I I G H S E R R D Y F K E T D E D E N K A K A <u>L </u> A G G I

				130		140		150	160
UniRef90_D3		NVI LC	VGEL	ĹĔĘŖĘ	AGC	EVĖŤ <u>V</u>	RQV	<u>G</u> LĢLKSV	TEKLNNVV TQAAGLV KDWDRVV
UniRef90_UF	P100036DFE59 'FS13	T P I L C S V I A C	CGEP	L DILIK E L E A R E	AGT	TNEYVE	POLL	= A A L D G V K A Y A L E P	Y I Q A A G L V Y K D W D R V V
UniRef90_D6	SY1U7	TPIL <u>L</u> C	VGEG	L P R) E G R I	┫ V E Y T L	JE QIL I	O G A II IS GIL	POAKSILV
UniRef90_W4 UniRef90_U2		T P I F C	CGES	LEERE	ANQ	F D W L R	V Q T \	/ A A F L S A K I A F D S K	X E Q A A Q V V X E D A E K V V
UniRef90_F9		R MV F C	I G E E	LADRE	ANN	CFDWIR FFKVVE	NQL	ÀLEHLS À	DAWKNIV
UniRef90_J0		SVI LC	C G E S I G E E V G E T V G E E	LEQRE	ő ĕ 🗀	T E E L Y A	TKI	4 II I I I I I K	CEEUURIVI
UniRef90_D9 UniRef90_H3		T P I L C	V G E E V G E T [LEQKE	AGE	T Q A V V A		A A L K D L K A A L L T A J G G L K D V	PAEQTIV DQVADAV
UniRef90_C7	NBY8	KPILC	<u>i</u> G E K	LEERE	AGI	T N D V V K	ŢQIŢ	GGLKDV	TEMANVV
UniRef90_R5 UniRef90_B3		T P I L C	C G E T	LEQRE	MGV	T M D WILLIR	ROVE	KSDILIAGIV KAGILIAGI	ODVKNLV AGIGDLV
	PI00047DAD4F	RVIFC	F G E E	LADRE	SGNI	ĒĀT V V Ē	SQL	KLFHLDA	DAFEHIV
UniRef90_V6 UniRef90_D3		V P I L C	V G E S [L E Q R E	AGE:	TAKIVVIR	TQTE	X A A L L T A V G G L K O V X S D L A G II X A G L A G II X L F H L D A E A A L L E A E L S G L T E N A I A D K IV E G F H L S A X L N G V T A C L D T A	\
UniRef90_P0		TVVAC	I G E T	LAERE	ANE	Г Пи v <u>v v</u>	RQLI	NALADKV	Q N WS K I V
UniRef90_L1 UniRef90_D1		KVVFC KPIIC	IGES	LAQRE	AGE	HEAV <mark>C</mark> K	AELE	EGFHLS A	A E E WK N I V A E E L K N V V
UniRef90_A3		TSIFC	FGEE	LEDRE	SDN	H F N V V K	KQI	QL <mark>C</mark> HINE	KDWSSIV
UniRef90_V6	Q688 Pl00036FF478	TPIVC KPIFC	CGET	L E Q R E L E T R E	AGE	ΓΝΑ WV S ΓΓΚ <mark>Η</mark> LΕ	GQIE	QL <mark>CHI</mark> NE AALDTA KLFHLSN	LEQVSNLV LEEFDQVT
UniRef90_R7		T P I F C	I G F V	LEERE	NGT	YFDVVK	KQV	ELFHLSA	DDFKKIT
	PI00042B6ACB	GVIAC	II IG E IL	LEERE	AGK	T F D <mark>V C</mark> F	QQL	ELFHLSA KAFADVV KAALKDA	PSWDNIV
UniRef90_E4 UniRef90_B2		LPI I C	II IG F T	кинки	i Gi Gili I	_ E	HUULI	(K D L I F	' E E IV IS NIL V
UniRef90_S9	UN64	YVI AC	I GET						
	PI000408458B PI00047D0A12	TPIVC	V G E T V G E E	LEVRE	K G T	I A S K V E I N K V V G	KQV	ELKDISK	CEDALNTV
UniRef90_UF	PI0002FC4686	L P I M C	CGET	LEQRE	AGT	TNEILVE	SQV	KGLLT	EQAKQVV
UniRef90_E1 UniRef90_R5		KVIGC IPIYC	VGFK	LAQKE LEERE	: SGHI : AGRI	ייר טוע בוע F DII VIG		REYNLT F	PEQFTSLV
UniRef90_J4	GNQ3	S L I L C	VGET	LEERE	AGK	TAQVVE	DQL	KVEALKE	EDWSKIV
UniRef90_R5 UniRef90_A9		N P I I C G V I A C	VGFK	L E Q K N L E D R F	ı E E K I : A N R T	vi	EQL		E A W S K I V E D Q V K Q T V E D A L N T V E E Q A K Q V V S N W V N M V E E Q F T S L V F T K D Q M V V S D W S K I V D N F D N V I
UniRef90_Q7	7KQM0	KAVVC	F G E S I	LEQRE	QNK	ŢĖĖ	K Q V		
UniRef90_UF	PI0003FBA579 BQT3	T P I F C	C G E S L G E H	LELKI	AGII	T N F V I F	ROLA	SLFDLSF AAISANV	EDFSKVV TDWSKVV
UniRef90_I0L	_8D5	TDII	VĞĒĞ	L D R E	QGT	HVAHCS	DQL	O G GIL L IT P	E QIVIR QIV V
UniRef90_A0 UniRef90_UF	0A023VJL0 P100036A880F	T P I V C	GES	L E I Y E I G F R k	: AGK/ : KGF		A Q V S	SAALEGE GLR <u>NF</u> NR	RKFIVISRII V
UniRef90_D5	SURT6	T P I VC	<u>i</u> Ğ Ē Ğ	L D R E	QGT	VEYNI LEAYVK	JE QL	GSLLT A	DEVSKIV
UniRef90_K1 UniRef90_J3		TPIFC	CGFT	L E L R E L E T R K		/ ID E \//\/\S			
UniRef90_E5	SWFN3	I P II V C	VGES	LEQRE	KGE	ГМДЁУĞ	SQV	E L N G L T E	EQVKQTV
UniRef90_E0 UniRef90_K0		DPILC TPIIC	C G E T C G E A	L	: A D K : A G F (I M D K V K		LNGLTE /AGLAGV DGAFADL	'KDLAKVV EDAVR <mark>C</mark> V
UniRef90_E7	'RUW1	T P V I C	IGET	LEERK	TGD	FEVVLA	RQL	DAVLPER	EDAVRCV HPASAFV OEQMRKVV DEQMRKVV AEQFGQVV AQQVADTI COPKCRTV ADDLAKSV
UniRef90_UF	PI0003C1AE30 7N4Q4	GVVAC QPIFC	LGEK CGEP	LEVRE	SGQ	HEGYV	RQLE	ELFHLSD	DEQMRKIV V
UniRef90_C2	2G2T9	KPIIFC	I G E T	KEERE	SGKI	FDLIK	TQLE	ELFHLS A	LEQFGQVV
UniRef90_A0 UniRef90_R5	5BCL7	VPI VC	IGEV	LEQRE	: ANE : DGS \	YLDVVK	KQIE	ELFDLSA	A E D F G K L I
UniRef90_R5	RV18	TPI VC	VGET	LEEYE	AGT	L K N M N K	TQT	/ A A F K D V	CPKCRTV
	P10002197271 P100037072D6		VGEG	LEVRE	RAGN	QVRHTL		O G A L A G V	PDAESVV
UniRef90_A3	BTLE7	TPIFC	VGEG		AGT	HV L	T QV	RAGLEGL	PADKSIV
UniRef90_P4 UniRef90_UF	PI0004645B51	N P I V C	VGET	LQQRE	SDN	T K K V V E	VQV	KEALKEV	KDSDKVV
UniRef90_V5	T6K6	TPILC	CGES	LETRE	ANK	S E D M / E		<u> </u>	DQVASLV
UniRef90_B4 UniRef90_I7E	EQN8	TÄITC	VGET	LSDRE	A G K	; [D V V R	LĀQĖ	AGSLPDE	T S G T T V V
UniRef90_V2 UniRef90_I9N	QBP9	SVIL	VGET	LWERE	AKAI	VETV	JA Q T (G K G L E G V	LE DIL S NV V
UniRef90_UF	PI00039E3C44	ŤPI ĽC	V G E G	L E VR K	AGNO	Q V Š H Ť L	JA QV	AALADV	PQLAKIV
UniRef90_UF UniRef90_C2	PI000422DEA9 PM6C7	K PII F C	I GET	L D Q R N I A F R k	ISNSI	+ F E	N Q L (: I E F Q N II I C D A W K H II V
UniRef90_UF	PI00037E3BEA	TPI LC	LIĞ E G	E D V R E	AGD	ĮVĮŠ ŽČŤ	AQL	<u>G</u> SLKSS	E QVGRVV
UniRef90_X5 UniRef90_E0	KAU1 NJT3	V P I Y C	NGET	LEQRK	SGQI	1 F E V I K 3 N F F V N	NQV/	ALL TLISA RDSTF	KEELKKVV NIKGEEV
UniRef90_Q5	5CMF9	K V V C	IĞĒS	LSERE	ŢĞĶ	ĪNDVĻQ	KQL	ŢĘĄĹĸĎV	ZS DLŠ ŅL V
UniRef90_E3 UniRef90 Q1	ян866 11PZ7		CGFT	L E D R E L A Q R F	SGK	DEVNE	KULI	ĸĠĠMILITA SILIFHIIS P	LEAAK VV EDFKK VV
UniRef90_E4	T3W7	T P V C	CGEA	LEVR	IANG	<u>JNAYV</u> K	NOL	ETTESA	DDFKKIV
UniRef90_C7 UniRef90_F8	NISM6 WWW0	S PII F C	V G E Q I G E T	LJE [V]R E K E E R F	A G G	<u> </u>	SQ <u>LI</u> RQT	ALFNLSA	EQVNNVV EDFAKIV
UniRef90_U7	7V8S4	TPI LC	I GEK	LEERE	ŞĢĶ	ŢŞĒVŅĒ	K Öİİ	RLAGLT F	EEAVKVV
UniRef90_J7 UniRef90_X5	∟914 БМН90	##	VGET	LJE [V]K K EPER[RGA			A G S L P D S	A E Q A E K II V S A D S S N T IV
UniRef90_M5	5A0W4	TPI MC	CGET	LDERE	ADE	ŢĔSĶVĹ]ĠQ[Ţ	<u> </u>	COPLASSIVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV
UniRef90_M3 UniRef90_D7	3D2K8 7G091	NVI MC	V G E I	L E H K E L A V R E	NGE ANQ		DHMA	EILS GLS E AAFLKTE	EQUI QLV ADWSRVV
UniRef90_W6	6KNN0	SILAC	I G E T	LQERE	ΑΝŪ	LAKVVĪ	EQT	KALAKPL	JE A WS KI V
UniRef90_G8 UniRef90_UF	3QVI5 PI00047E2F9C	T PI V C	VGEG	LEERE	: A G K L C A G E	_		AGALEKI	PADQVAV
UniRef90_UF	PI0003611473	VPI, I C	CGES	DAERE	GGQ	ĄĘSŖVĶ	DQV	A L D GLS A	E QVRLSV
UniRef90_A0 UniRef90_U4	IAU31FZ18 IKTB5	T PII V C	VGES	LEVRE	ESG NGT	T D D V V K	JA QIL II QQV V	X A A L E G V //K A Y D G V	GADEKSI
UniRef90_I2E	ESF1	IP! FC	CGET	LEQRI	l Ĕ Ğ 🗀	t E D E V C	GQL	SLF HLS A	E DEK KITV
UniRef90_Q3 UniRef90_Q6	51N58 6A9J2	+	CGEA	ĸ Q Q R E L E V R k	AGE	E A V S V E H T V	K QL E	= KGLVG KADLDGI	P Q V A K L V
UniRef90_R6	SZI04	VPI FC	CGES	LETRE	AGE	UA FVT	AQI	KAGLEGI	SSGDQLV

UniRef90_D3PAL8	I A Y E P V W A I G T G K T A S K D D A E K <u>M H </u> M E I R K Y I A K L Y D D D \ \ \ \ \ A	00
UniRef90_UPI00036DFE59 UniRef90_B7FSI3	V A Y E P	
UniRef90_D6Y1U7	VAYEPVWAI GTGEVATPKDAQEVCGAI RSRLAESYGDEVA	
UniRef90_W4BH40 UniRef90 U2SYL2	I A Y E P I WA I G T G K S S T S Q D A N E V T A Y I R T L V K D L Y N E T V A I A Y E P I WA I G T G K T A S A D Q A E E V C A A I R E L I S E L Y G A K T A	
UniRef90_F9YU64	L A Y E P V W A I G T G E T A S P E Q A Q E M H A F I R K T L A D K Y G K E V A	
UniRef90_J0N2K6 UniRef90_D9UFR8	I A Y E P I WA I G T G R T A T S A Q A G E V C R A I R S V I A A L Y D K Q T A V A Y E P V WA I G T G K V C G P D D A Q E V C G A I R G K L A E L Y D Q E L A	
UniRef90_H3NBS3 UniRef90_C7NBY8	L IA Y E PIL IWAII IG T G K T A T A E D A N D T II IK E IV IR Q T IV IA E E F G Q E A A	
UniRef90_R5PFK3	_ A Y E P WA G T G K T A T S D Q A E E V <mark>C</mark> K G R E L A E V Y D T D T A	
UniRef90_B3EE10 UniRef90 UPI00047DAD4F	I A Y E P V WA I G T G K T A S S E Q A Q E V H A L I R K T V S E L Y G A E A A L A Y E P V WA I G T G E T A S P E Q A Q D M H A F I R K T L S N K Y G N T V A	
UniRef90_V6MAA5	I A Y E P I W A I G T G K S S S A Q E A N E <u>T I</u> A <u>V</u> I R Q V I A E R F G Q D A G	
UniRef90_D3FY95 UniRef90_P07669	I IAYEPIVIWAII IGTGKTATPEQAQEIVI <mark>H</mark> AEII IRKWATNKIL IGASIVIA	
UniRef90_L1MBS2 UniRef90_D1PNY7	I A Y E P I WA I GT G K T A T S D Q A Q E I H A F I R K C V A E K Y G Q E A A I A Y E P I WA I GT G K T A T A D Q A Q E V C A A I R K V V G E L Y G E D A A	
UniRef90_A3UB69	L A Y E P V W A I G T G E T A S P E Q A Q D M <mark>H</mark> K <u>F </u> V R N <u>L</u> I A E E Y S D E <u>V </u> A	
UniRef90_V6Q688 UniRef90_UPI00036FF478	L A Y E P	
UniRef90_R7HN84 UniRef90_UPI00042B6ACB	L	
UniRef90_E4KPA9	L A Y E P W A G T G K S A T K D D A Q K M C A H R S V V A G E F S Q D V A	
UniRef90_B2UP29 UniRef90_S9UN64	I A Y E P V WA I G T G L T A T S K E A Q E A H S F I R K V I S D V F G A D A A L A Y E P V WA I G T G K V A T P E Q A Q E V H A L L R K Y L K E K L G D E I A	
UniRef90_UPI000408458B UniRef90_UPI00047D0A12	I A Y E P I WAI GT G K T A T S E N A N E V C G A I R N K V E S L F G Q Q V S V A Y E P V W A I G T G K T A T K E Q A N E T I I A V R K V L E K L Y D L E T A	
UniRef90_UPI0002FC4686	_ I A Y E P I W A I G T G R S S S A K D A D E V <mark>C</mark> G Y I R A V V A R L F S K E V A	
UniRef90_E1ZJ95 UniRef90_R5W5N9	I A Y E P V WA I G T G V V A T P E Q A Q E A H A Y V R K W I S D N V S P D V A V A Y E P V WA I G T G K T A T S E Q A E E M H A H I R R T L A E K F G A A A	
UniRef90_J4GNQ3 UniRef90_R5L465	V A Y E P V WA I G T G K V A T S A Q A Q E A H A N I R A F L S S A V S P A V A I A Y E P I WA I G T G V T A T D E Q A E Q M C K Y I R D V I A E I Y D E V I A	
UniRef90_A9TTT0	VAYEPVWAIIGTGKWASPQQAQ <u>E</u> VHAAAIIRQ <u>W</u> LKEK <u>V</u> SDD <u>V</u> S	
UniRef90_Q7KQM0 UniRef90_UPI0003FBA579	L	
UniRef90_A1BQT3 UniRef90_I0L8D5	I A Y E P V WA I G T G V V A T P E Q A Q E A H Q A L R G W L N E K V S A E V A I A Y E P V WA I G T G K T A T P E D A Q E V C G A V R Q R L A K R L D Q E T A	
UniRef90_A0A023VJL0	I A Y E P I W A I G T G K S A T Q D D A Q N M C K A V R D V V A A D F G Q A V A	
UniRef90_UPI00036A880F UniRef90_D5URT6	I A Y E P L WAI G T GL T A A P S Q A Q E V H S F I R N K L S E K Y G N E T G I A Y E P V WAI G T G K V A T P A D A Q E V C A A V R A T L A E L A S A E V A	
UniRef90_K1M1W4 UniRef90_J3EPW8	I A Y E P I WA I GT G K T A S S D Q A Q D M H A A L R A H F A S K Y G Q I I A I A Y E P I WA I GT G E T A T P E Q A Q E V C H L I R E T V A G L Y D Q T T A	
UniRef90_E5WFN3	I A Y E P I W A I G T G K S S T S A D A N E V <mark>C</mark> A H I R S V A K Q F S Q V A A	
UniRef90_E0E555 UniRef90_K0YWE9	I A Y E P I WA I G T G K T A T A E Q A N E V T A Y I R Q V V R D T Y G D T A Y A Y E P I WA I G T G E V A T P E D A Q E V C G A I R K H L A E L Y S E D V A	
UniRef90_E7RUW1 UniRef90_UPI0003C1AE30	L A Y E P V W A I G T G L T A T P E Q A Q A V H A F L R D R L A S S _ G Y A A A	
UniRef90_M7N4Q4	_ A Y E P W A G T G <u>K</u> T A S D E Q A Q D <u>M</u> H A H R K Q L A G K WG E A L A	
UniRef90_C2G2T9 UniRef90_A0A024QA68	L	
UniRef90_R5BCL7	I A Y E P V W A I I G T G K T A T D D Q A Q E M H A H I I R G V I I A G K Y G K E V A	
UniRef90_R5RV18 UniRef90_UPI0002197271	I IA Y F PII IWAII IG T G K T A T A D Q A Q F MIVI <mark>H</mark> IV I IR F K II IA S II IY D N D T A	
UniRef90_UPI00037072D6 UniRef90_A3TLE7	I A Y E P V WA I GT G E V A T P E D A Q E V C A A I R G R L A E L Y D Q D L A I A Y E P V WA I GT G E V A T P E D A Q E V C A A I R T A L A E L Y S G D L A L A Y E P V WA I GT G K V A T P E Q A Q E V H L L L R K W V S E N I G T D V A	
UniRef90_P48499	LAYEPVWAIGTGKVATPEQAQEVHLLLRKWVSENIGTDVA	
UniRef90_UPI0004645B51 UniRef90_V5T6K6	VAYEPI WAI GTGKTATAEQANDVISYI REVIKSLYGD LS I AYEPI WAI GTGKTASSDQAEEMCKTI RDTVKDLYNEETA LAYEPVWAI GTGKTATPQQAQEVHEKLRGWLKSNVSDAVA	
UniRef90_B4DUI5 UniRef90_I7EQN8	L A Y E P V WAI G T G K T A T P Q Q A Q E V H E K L R G W L K S N V S D A V A V A Y E P V W A I G T G K V P T V E Q L A E V H N D L R A S L V K R F G G E T A	
UniRef90_V2QBP9 UniRef90_I9MJH8	I A Y E P V WAI G T G K T A S P A D A E A M H K A I R E Y I A K I R S S A A A	
UniRef90_UPI00039E3C44	I IA Y F PIVIWAII IG T G FIVIA T P D D A Q FIVI <mark>C</mark> G A II IR RIV I IG FII I <mark>C</mark> D F G A A	
UniRef90_UPI000422DEA9 UniRef90_C2M6C7	_ A Y F P V W A G G F A P F Q A Q F	
UniRef90_UPI00037E3BEA UniRef90_X5KAU1	I IA Y E PIVIWAII IG T G K T A T A O D A O E IVI <mark>C</mark> R A II IR A R II IR E O H G G A IVIA	
UniRef90_E0NJT3	VIA Y F PIL WAILIGT G K T C S P F D A F A M C K NIL IR F T IL IK F M G H A A	
UniRef90_Q5CMF9 UniRef90_E3H866	I A Y E P	
UniRef90_Q11PZ7 UniRef90_E4T3W7	I A Y E P I WA I G T G V T A S D E Q A Q E M H A K I R E H L A S K Y G A A V A I A Y E P I WA I G T G V T A S T E Q A Q D M L A F I R T L I A E K Y G K E I A	
UniRef90_C7MSM6	VIA Y F PIVIWAII IG T G RIVIA T P S D A F FIVI <mark>C</mark> A AII IR T AII IA D K Y G A DII IA	
UniRef90_F8WWW0 UniRef90_U7V8S4	I A Y E P V WA I GT GLT A T S A Q A Q E M H A F I R Q T I A D K Y G K E V A V A Y E P V WA I G T G K T A T P E M A E E T H K E I R D V L T A M F G A E A A	
UniRef90_J7L9I4	VAYEPVWAI GTGEVATPEDAQEVCAAI RARLAELYSPEVAVAYEPVWAI GTGRTPTADDWAKVHATMRETL VARFGDEVG	
UniRef90_X5MH90 UniRef90_M5A0W4	_	
UniRef90_M3D2K8 UniRef90_D7G091	I A Y E P I WA I GT G K T A T A E D A N E V C G I V R K K V A S L Y E D Q T A V A Y E P V WA I G T G V T A S P A Q A Q E V H S A I R A W V G E K V S P A V A	
UniRef90_W6KNN0	LIATE FIVIWALI IGT GRIVIAT FEQAQEIVI <mark>n</mark> ALL LIR Q WIVIR ENIVIS A AIVIA	
UniRef90_G8QVI5 UniRef90_UPI00047E2F9C	I A Y E P V WAI G T G K T A T P E D A D D A H A F I R S L V E K L Y T K G V A I A Y E P V WAI G T G E V A T P Q D A Q E V I G A I R A R V G E L Y D G E T A	
UniRef90_UPI0003611473 UniRef90_A0A031FZ18	I A Y E P I WA I G T G K S A T S S D A N E M C G I I R E Q I R T L Y D A D T A V A Y E P V W A I G T G Q V A S P E Q A Q E V C A A L R T V I S E S L G D A A A	
UniRef90_U4KTB5	I A Y E P I W A I G T G K T A T P E Q A E E T I K A I R N V L V S L Y G N D V A	
UniRef90_I2ESF1 UniRef90_Q31NS8	I A Y E P I WA I G T G V T A S N D Q A Q E M H K V L R D H L A S K Y G Q E V A I A Y E P I WA I G T G D T C A A E E A N R V I G L I R S Q L K D T	
UniRef90_Q6A9J2	I A Y E PI WAI GT GET AT A D D A QEV Q AI R E A V K E L Y D A P T A	
UniRef90_R6ZI04	I A Y E P I WAI I G T G K T A T A D D A Q E V C G A I R A T L VE L F G Q E L A	

	210 220 230 240
UniRef90_D3PAL8	QR[_R MY G G S V K P E N K E L M S S P E D G A L V G G A S L K A E F
UniRef90_UPI00036DFE59 UniRef90_B7FSI3	A R T R
UniRef90_D6Y1U7	QVVRILYGGSVKSGNTAGI MAEPDIDGALVGGASLDAEFV
UniRef90_W4BH40	NAIVIRILIOYGGSIVIK PENIVITEYILIGOSDILIDGAIL VIGGASILIOPSEILI
UniRef90_U2SYL2 UniRef90_F9YU64	ECIRIQYGGSMNAGN <mark>C</mark> RELLGKPNI DGGLIGGASLKAEFG DSVSI LYGGSVKPDNAKEIFAKADVDGGLIGGASLKADF
UniRef90_J0N2K6	D A F T I I I Q Y G G S M N A K N A A F II I I I A Q G D I V I D G G II I I I G G A S I I I K A D F A
UniRef90_D9UFR8 UniRef90_H3NBS3	DAVRIQYGGSVKAANVAEIMARPDIDGALIGGASLDTEFV DAIRIQYGGSVKPNNLAEFLAQSDIDGALVGGASLEADFL
UniRef90_C7NBY8	FNIVITIVIQYGGSMNDANAADII I IAQTDII IDGGII VIGGASII I IPFFA
UniRef90_R5PFK3 UniRef90_B3EE10	E A V R I Q Y G G S M N A G N A K E L L A K P N I D G G L I G G A S L K A E F G D G L R I Q Y G G S V K P S N A A E L F A M P D I D G G L I G G A S L N A D F A
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UniRef90_P07669	
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UniRef90_R7HN84	FEILISH LIYGGSCKPSNAKEH IESKI NIVIDGGH LIGGAAH KAEEM
UniRef90_UPI00042B6ACB UniRef90_E4KPA9	SKTRI I YGGSVNGGNCADLAKEEDI DGFL VGGASLKPEFÄ DKVRI QYGGSVKPENLADYMACPDVDGAL VGGASLKVDFL
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UniRef90_UPI0002FC4686 UniRef90_E1ZJ95	DAIVIRIVIO Y GGSIVIK PENILIGEY MAOPNILIDGAIL VIGGASILIDS SEILI
UniRef90_R5W5N9	DATPILLYGGSCKPSNAQFILEAKPDIVDGGILLGGAAILEADFILL
UniRef90_J4GNQ3 UniRef90_R5L465	FSTRIVIIYGGSIVITAAN <mark>C</mark> KFIII <mark>C</mark> AQIIIDIVIDGEII VIGGASII IKPEFIVI
UniRef90_A9TTT0	SKTRILLIVGGSIVINGANSAEILIATOEDILIDGEILVIGGASILIKAEEG
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UniRef90_G0AJX6 UniRef90_R8ALS2	K K V L V A G N W K IN G O L V A N A A L L A E I K A G L A V A A C D I A I
UniRef90_R6ALS2 UniRef90_I0AP96	RRKVIAGNWKMNNDIOOSIVSIIIFFIIKNKIIFNKNCOVII

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UniRef90_W5XBC7 UniRef90 UPI0003826830	SPILC QPIFC	V G E T L A E R E A G Q T D E V I A S Q L K G A L D D G S E F R E I G E <u>V</u> L E E R E A G K <mark>H</mark> F E <u>V</u> V E T Q V K <u>L F D L</u> S <u>E</u> A D F <u>R</u> K	
UniRef90_UPI0003626630	RPIFC	I G E V L E E R E A G K H F E V V E T Q V K L F D L S E A D F R K V G E E L P D R E S G R W P S H L R S Q L Q G V L D E L P P Q V E V G E T L E E R E S G K T E E V V A K H L D G V L D A H E A F K Q	
UniRef90_V4LFC7	I P L L C	V G E E L P D R E S G R WP S H L R S Q L Q G V L D E L P P Q V E V G E T L E E R E S G K T E E V V A K H L D G V L D A H E A F K Q	GV
UniRef90_R6FLB2 UniRef90_B6YRU5	L P V V C	V G E N L D E R E G G E E K V V A A Q S S G F S A E E A E K G E V L K E R V A G K Q N V V R K Q E L F D F S A E D F R K V G E G L E V R E A G T H V Q H C T D Q L R G A L K S A E Q A A G	VIT
UniRef90_UPI0001FFE3E9	TPILC	V IG	i∥I V
UniRef90_C8WI01	YAI VC	VIG	CV
UniRef90_D1XX05 UniRef90_D7BNV9	KIIFC TPIVC	CGETLEEREAEKONEEVKAELAGFHESAEEWKN CGEALEERKEGTHVEYVLGQLAAMDLSAEEWAK	L V
UniRef90_E4TBD5	TPI YC	<u>N G E N L E E R K S G K Y L E V I </u>	V V
UniRef90_E8RFV2 UniRef90_L8XVS6	RPILC	N G E N L E E R K S G K Y L E V I K N Q T Q L F T L S A E E I K K I G E T L A D R E A G K T F A V L D T Q V R L Q A V N S A Q M E <mark>C</mark> V G E T L E E R E S D A WK S V I E A Q L S <u>S V V Q</u> G M E A F D R	
UniRef90_G8ULQ5	IPIFC	V G E T L E E R E S D A WK S V I E A Q L S S V V Q G M E A F D R I G E V L E E R E A G K H F E V V D A Q V S L F E L S A E E F G K	L V
UniRef90_E3BA45	TPILC	I	L V G V
UniRef90_J3FIJ6 UniRef90_B9Y3M3		V G E T L A Q R Q G G E T E A V V T Q Q L S A V L K G I Q D L V к I G E <u>T E</u> A Q F D A G Q T E E V I R A Q L K <u>G G L E G L С</u> РК <mark>С</mark> К	MV
UniRef90_R5UT49	EIIFC	I G E T E A Q F D A G Q T E E V I R A Q L K G G L E G L C P K C K I G E V L A E R E A G K H F E V V K S Q L E L F Q L S P E E F S H V G E G L E V R K A G D Q V A H T S A Q V E A K G L T A E Q V E R	П
UniRef90_UPI00034DA605 UniRef90_V2YCM1	TPI LC	V G E G L E V R K A G D Q V A H T S A Q V E A K G L T A E Q V E R V G E S L E Q R E L G V T M E L T A Y Q V K C A L A N P E D A R H	
UniRef90_F2ND84	Q P M M C	I G	LV
UniRef90_B7C8R0 UniRef90_A6GS73	T P I L C	V G E T Ē A D Y D A G N S Ē K V I R E E L A G S L A D <mark>L C</mark> P K <mark>C</mark> E V G E T L A E R E A G <u>K V</u> E A V I A S Q L D P V I <u>E</u> R <mark>C</mark> S K F W N	
UniRef90_I3YFH8		V G E T L A E R E A G K V E A V I A S Q L D P V I E R <mark>C</mark> S K F W N V G E T L Q Q R E Q G L T E D V I A G Q L D G V I I G I D A F H Q V G E S L Q Q R E A G Q T E A V L R A Q V E L A L V G S Q G F A Q	
UniRef90_UPI00039F2D22	TPV LC	V G E T L Q Q R E Q G L T E D V I A G Q L D G V I T G I D A F H Q V G E S L Q Q R E A G Q T E A V L R A Q V E L A L V G S Q G F A Q V G E T L E Q R Q Q G Q A F A V V K Q Q L S A I S G L D L T A D Q	
UniRef90_S6GC79 UniRef90_S6HXM2	L P I L C	V G E T L E Q R Q Q G Q A F A V V K Q Q L S A I S G L D T T A D Q I G E T L E Q R E A G Q T L E V V G R Q L D V V I D E F D A F V N V G E T L E Q R E K G V T N P V V E I Q V R Q G L D S P E E L S G	I V A V
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UniRef90_Q0PIF8 UniRef90_UPI00035F79BC	I P I V C	V G E T L A Q R E Q V T E P V Q V R L G L A G L S P E E L A G V G E K L E E R E A D K H F E V V K T Q L M L V A Q N S E N L S R V G E H E D L R A A G T H V E H V L A Q L E G S L A S A E Q A A T	
UniRef90_A8KYR6	TPILC		L V
UniRef90_R9AAV2 UniRef90_A6VM53	NVIFC TPVLC	I GEKLEERESGKIKEVVQHQLNSKDIISKEEWSK	
UniRef90_UPI00037EF08C	TPVLC	V G	SV
UniRef90_F2NUQ8	F V D I	I G E L L A D R E A G N A E Q V C A F Q L S A D L A T E E Q M K R I G E S L E Q F E A G Q T A D V C K T Q L K A V I D L C E S F E K V G E T L E E R E S G R T E Q V I A K Q I L A V S E N D K Q C F D	VT
UniRef90_UPI0002555F5A UniRef90_UPI00026C7EAE	V P V L C	I G	CI
UniRef90_M7ML58	T P V I C		LV
UniRef90_UPI0003B3C869 UniRef90_K1LB81	T P I L C	V G	T V
UniRef90_F4GJ61	EVIL <mark>C</mark>	VIC	1
UniRef90_I7A3G6 UniRef90_A6SY03	KPI LC	L G E S L E E R Q A G Q T L E V V G R Q L A HV I V G I A A F E Q V G E T L D Q R E A G Q T D S V V A E Q L N V V L A S I S D L A K	A V I V
UniRef90_A03103	VPIIC	V G E S K E E R D E N R A F D V V K A Q I V N G L N E V E N D G S	I V
UniRef90_W0EJT6	TPILC	V G E N L A L R E A G Q A L V F V Q G Q V E L R E L S P E E L R K	I V
UniRef90_UPI0002ECC8EE UniRef90_A8ZTP5	T P I L C	G	LV
UniRef90_A7INK7	L P I VC	V G E T A E E R D A G E A V G V V T R Q V H Q S L P E G C T A S N	L V
UniRef90_UPI0004009643 UniRef90_UPI00039C825C	V P V L C	V G	P V
UniRef90_A2SFM4	T P I V C	V G E T L A Q R D A G E T E D V V K R Q L S A V I H T A H C V G E	MV
UniRef90_UPI00030438A1 UniRef90_S3XUI8	HVI L C	L G E S L E V K A Q N K E F D F V K D E L K S L D G L E N E N V G F P L F F R K A G K H V F Y T L A Q V F G F G L S A F D V K K	I U
UniRef90_UPI000369AE4D	S P I L C T P I L C R P I V C	LGESLDQRESGKTESVVSQQLNKVIKGLEAFNN	الْيِانُ
UniRef90_S4XM39 UniRef90_E3H220	RPIVC TPVLC	V G E L E Q R E A G D T L A V V E R Q V R A F L D E A K Q P G F L V G E A K C A E T L F C L R G S G L S A K C A E T T T T T T T T T	G V V
UniRef90_U6MH12	QVIAC	ĬĠĔŚĹĔŢŔĠŚĠĸŢMĔŗĨĠĔŎĹĸĸŢAĹŚŶŤĎŴĠĹ	<u></u> _v
UniRef90_C5KSY9 UniRef90_UPI00037CBC0F	KVIAC TAILC	V G E T L E Q R E G G V T L D I L Q H Q L Q A L I N S P A N W R S V G E T L E E R Q A D Q A L D V L A R Q I K G G L L S A Q Q M L D	MV
UniRef90_B0U800	VAIIC	V G E T <u>R</u> A E R E A G R T L E <u>V V R</u> G Q L A G S L P E <u>G</u> A R A A D	Ξv
UniRef90_UPI00026C73FA	V P I L C	V Ğ E P L E E R K A Ğ K H V E Y T L A Q L E Ğ Ğ I E G T A E Q K	I V
UniRef90_Q1QMJ6 UniRef90_K1M4Q9	I A I V C	V G E T Q D Q R D A G Q T L E V V G R Q L A G S L P D G A T A A N N G E T L E Q R K A G K H L E V V Q E Q T E L F G L T A E E V K K	V V
UniRef90_L9PDH0	T P V V C	VGETLEQREAGETEAVI <mark>C</mark> GQLQAVLDAVDDLAK	I V
UniRef90_Q2JX75 UniRef90_UPI00035E0B50	TPILC KPILC TPILC	V G E E L S V R E S G N H P H	L V
UniRef90_B1R147	T P II I C	CGETLEORENGTTNAVVGAQIKADLEGLSKDEK	VV
UniRef90_D1BHK5 UniRef90_A0A022LJ47	PII C	V G	V T
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UniRef90_UPI00046F2FF5	II PII I C	CGETLQTKEAGQT[AFVNNQ NKAYESKVDALK	ĮĮ,
UniRef90_UPI0003B30EB3 UniRef90_F5T2Y6	A P V L C	V G E G L E V K E A G K	<u></u>
UniRef90_X7E3G1	T P MII C	I GETLEERQSNQTLAV <mark>C</mark> ERQLQAVLVGTESFEK	MV
UniRef90_U2RMX0 UniRef90_E1VI02	T P I I C	V G E S L E VR K A G Q H V E F T V A Q V R G A L A G I P Q V A G V G E T L A E R E S G A T F D V V R R Q L K <u>A V I E</u> G M D A L S R	C V
UniRef90_UPI0003B56848	<u> </u>	<u>F_</u> G	ĬĬ
UniRef90_G0AJX6	T P I V C	VIGETIL VIEREA GOTEAU VIGROLA AV LDDA ADLAR	I V
UniRef90_R8ALS2 UniRef90_I0AP96	I P V L C		V
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UniRef90_UPI000289E918	I A Y E P I WA	I G
UniRef90_H8XTJ3	LAYEPVWA	I
UniRef90_E8JEV3 UniRef90_C9AC97	I A Y E P I WA	I GTGETASAADAQEV <mark>C</mark> GAIRAALREDYGDSVA I GTGKSADANLADEL <mark>C</mark> GVVRKTVEKLYGKEVS
UniRef90_UPI0003806EFF	IAYEPIWA	I GTGKSATKDDAQN <mark>MC</mark> KAVRDVVASD <u>F</u> GQEVA
UniRef90_E1SSS6	I A Y E P L WA	I
UniRef90_B9NSF5	VAYEPIWA	I GTGKVPTLDELGEVHDFI RARLERRFGEGVG
UniRef90_R5SM91 UniRef90_B8E2R2	I A Y E P I WA	
UniRef90_UPI0003B7635E	L A Y E P I WA	I
UniRef90_C9LYH5	IAYEPIWA	I
UniRef90_L0GFQ0 UniRef90_W5XBC7	I A Y E P V W A V A Y E P V W A	I G S G L T A T P E Q A Q E V H A A I R E Q L S R Q D R Q V A I G T G K T C D T A E A E R V C G M I R S E L S K F D E D T A
UniRef90_UPI0003826830	LAYEPVWA	I
UniRef90_UPI0004647BD4 UniRef90_V4LFC7	L A Y E P V W A	I G T G R N A T P E Q A Q E A H A L L R Q E V E K F H G K S I A I G T G V T A T P E Q A Q D V H A F L R G R I A A K S Q Q V A
UniRef90_V4EFC7	VAYEPVWA	I
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UniRef90_UPI0001FFE3E9 UniRef90_C8WI01	L A Y E P V W A V A Y E P I W A	I GTGKVAGPPDAQEVCAALRETLQELYGDDVA I GTGRTATPEQAEAVCAAIRATLADLYGAEVA
UniRef90 D1XX05	ĽÄÝĖPI WÄ	I
UniRef90_D7BNV9	I A Y E P I W A	I
UniRef90_E4TBD5 UniRef90_E8RFV2	I A Y E P V W A L A Y E P V W A	I
UniRef90_L8XVS6	V AYEP V WA	I
UniRef90_G8ULQ5	LAYEPVWA	I
UniRef90_E3BA45 UniRef90_J3FIJ6	V A Y E P V W A	I GTGEVATPADAQEV <mark>C</mark> AAVRVALADAFDQELA I GTGETATPEQAQAVHRYI REWLA <u>E</u> QDRPA A
UniRef90_B9Y3M3	LAYEPIWA	I
UniRef90_R5UT49	LAYEPVWA	I G T G K T A T S A Q A Q E M A A F I R K V L T E K Y G K E L A
UniRef90_UPI00034DA605 UniRef90_V2YCM1	I A Y E P V W A	I GTGEVATPDDAQEVCGAVRATLAGLYDEATA I GTGKTATAEQAGEV <mark>C</mark> QAIRTVIRK <u>LY</u> GAHVA
UniRef90_F2ND84	IAYEPVWA	I G T G R T A T <u>P</u> E <u>Q</u> A Q E <u>V H</u> S <u>F </u> I R Q <u>L L A K Q V </u> R P D <u>L </u> A
UniRef90_B7C8R0	IAYEPIWA	I G T G K S A S V E L A E N C C K L V R D Q V K V M Y G E E A A
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UniRef90_UPI00039F2D22	L A Y E P I WA	I
UniRef90_S6GC79	V A Y E P I WA	I GTGETASPEQAQEMHSYI RTVLAEQISVAMA I GTGLTASPQQAQDVHAAII RAQLAQKNS EVA
UniRef90_S6HXM2 UniRef90_B0TGK3	IAYEPIWA	I G T G R T A S P D D A Q Q V C A F I R S V M A R L A G E G A
UniRef90_Q0PIF8	IAYEPVWA	I
UniRef90_UPI00035F79BC	I A Y E P V W A V A Y E P V W A	I Ġ T Ġ K T A T P E Q A Q E I H A F I R K V L K D E F Ġ V D V A I G T G R T A S A Q D A Q D M C A A V R G Q L T K L Y D E P I A
UniRef90_A8KYR6 UniRef90_R9AAV2	IAYEPVWA	I G T G K VA T P E LA Q E A H K DI R Q WL T T N L G Q D A A
UniRef90_A6VM53	I A Y E P I WA	I
UniRef90_UPI00037EF08C UniRef90_F2NUQ8	I A Y E P V W A	I
UniRef90_F2N0Q6 UniRef90_UPI0002555F5A	I A Y E P I WA	I
UniRef90_UPI00026C7EAE	V AYEP V WA	I G T G K T A L P E Q A Q E V H Q F I R K L I A E I N H S D A
UniRef90_M7ML58 UniRef90_UPI0003B3C869	V A Y E P V W A V A Y E P V W A	I GTGEVAGPEDAQEL <mark>C</mark> AAIRTELAQLEGDETA
UniRef90_K1LB81	I A Y E P I W A	
UniRef90_F4GJ61	IAYEPVWA	I G T G K T A T P D D A D N A <mark>H</mark> A Y I R G L I N G L Y G K D V A
UniRef90_I7A3G6 UniRef90_A6SY03	V A Y E P V W A V A Y E P V W A	I G S GLT A T P E Q A Q E V H A A L R K Q L A R E D Q R V A I G T G K <u>T A</u> T P A M A Q E V H A M L R K Q L Q <u>A</u> K N A E <u>A</u> A
UniRef90_G4D133	I A Y E P T W A	G T G D V <mark>C</mark> S P F D A F F M A K F R F T F G Y G K F V S
UniRef90_W0EJT6	V A Y E P I W A I A Y E P V W A	I GTGRTASPQDAQEM <mark>C</mark> AAI RATLAR LAAEAA I GTGRTASPEQAQEVMAGI RAYQAG_FDASLA
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UniRef90_A7INK7	IAYEPIVIWAI	I
UniRef90_UPI0004009643 UniRef90_UPI00039C825C	I A Y E P V W A L A Y E P V W A	I Ġ S Ġ K T P T A E E Ā Q A V T Q A I R Ā Ē L A Ď LĀ Ġ A D T A I G T G K T A T P Q M A Q E <u>A H</u> F <u>F</u> L R G <mark>C V</mark> A <u>K</u> K S E Q V A
UniRef90_A2SFM4	VAYEPVWAI	I IG T G R T A S P F Q A Q A IV I <mark>H</mark> A II I I IR A Q II IA A A T P R A
UniRef90_UPI00030438A1	A Y E	I G T G K T <mark>C</mark> S S E D A E N M <mark>C</mark> R E I R G I N K N Y G
UniRef90_S3XUI8 UniRef90_UPI000369AE4D	I A Y E P V W A V A Y E P V W A	I G T G E V A T S E D A Q E V <mark>C</mark> R E I R D L L R T K F G D E V A I G T G M <u>T</u> A T P E Q A Q A V H K F I R D L L A S S S Q D I A
UniRef90_S4XM39	$I \mid A \mid Y \mid E \mid P \mid V \mid W \mid A \mid$	I G T G K V A R A E D A Q E V H A F II R G L L A K A S E D L A
UniRef90_E3H220	V A Y E P V W A	I
UniRef90_U6MH12 UniRef90_C5KSY9	L A Y E P I W A	I Ġ T Ġ Q T A T P D M A Q Q T H K E I R Q WL R K N V Ġ Q Q L A I G T G H S A S P E D V E A V H A S L R Q W L A G K L G R A T A
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UniRef90_B0U800	I A Y E P V W A	I GTGLTPTPADWAQVHGLIRRDLTERLGAE G I GTGEVATPDDAQEV <mark>C</mark> SAIREALRAMHGDTVA
UniRef90_UPI00026C73FA UniRef90_Q1QMJ6	VAYEPVWA	I
UniRef90_K1M4Q9	IAYFPVWA	I
UniRef90_L9PDH0 UniRef90_Q2JX75	V A Y E P V W A I A Y E P I W A	I GTGKTATPQIIAQEA <mark>H</mark> ALLRARVAQK NAPVA I GTGKT <mark>C</mark> AAAEANRVIGLIRQHLGA
UniRef90_Q2JX75 UniRef90_UPI00035E0B50	VIA Y E PIVIWAI	I G
UniRef90_B1R147	I A Y E P I W A	I
UniRef90_D1BHK5 UniRef90_A0A022LJ47	I A Y E P V W A	I GTGEVATPQDAQEVAGAI RVRLAELYSADVA
UniRef90_Q67SW4	IAYEPVWA	I GTGEVATPQDAQEVAGAI RVRLAELYSADVA I GTGKTASAADAQEVCAAI REALAELSDPGTA I GTGRNCDPGDAQARI AAVRAVVAEAFGPEAA
UniRef90_UPI00046F2FF5	I A Y E P I WA	I GTGKTATAQDAQDV <mark>C</mark> LAI RQNLAKIYDQTTA
UniRef90_UPI0003B30EB3 UniRef90_F5T2Y6	V A Y E P V W A L A Y E P V W A	I GTGKTATAQDAQD <mark>VO</mark> LAI RQNLAKI YDQTTA I GTGKTAGPEDAQEMSAAL RSKLTEL YGEDFA I GTGRSATPEWAQDVHSFMRQRVAKH DKELA
UniRef90_X7E3G1	VAYEPVWA	I IG I GILISASAEQAQEIVI <mark>H</mark> ESII IRAFILIAKS SESIVIS
UniRef90_U2RMX0	I A Y E P V W A	I
UniRef90_E1VI02	$L \mid A \mid Y \mid E \mid P \mid V \mid W \mid A \mid$	I G T G V T A T P A Q A Q E V H A F L R Q M L A A S
UniRef90_UPI0003B56848 UniRef90_G0AJX6	L A Y E P V W A V A Y E P V W A	I G T G K T A T P Q M A Q D V <mark>H</mark> L A L R A M L A G K
UniRef90_R8ALS2		I G T G K S A T P A Q A Q A V H A F I R G H V A K H D A N V A
UniRef90_I0AP96	IAYEPVWA	I G T G R T A T P Q Q A Q E V H N F I R K L L A N M Y S K D F A

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UniRef90 UPI000289E918	210 220 230 240 EKTRILIQYGGSVKPSNILISEFILISTEHILIDGAILVIGGASILIEVIDYILI
UniRef90_H8XTJ3	EKTRI QYGGSVKPSNLSEFLSTEHI DGALVGGASLEVDYL ENVTI LYGGSVKPDNAKELFSKPDVDGGLIGGASLQADFF
UniRef90_E8JEV3 UniRef90_C9AC97	DATRI LYGGSAKPGNI KELMAQPDI DGGL VGGASLKAD DSVRI QYGGSVKPENI AEYMAKENVDGAL VGGASLQADFL
UniRef90 UPI0003806EFF	DKIVIRIVIOYGGSIVINPANILIAFYMA <mark>CP</mark> DIVIDGAILVIGGASILIFPSFILI
UniRef90_E1SSS6	ENIRITYGGSVKASNAADLFAQPDVDGGLVGGASLNAEFT RSVRLLYGGSVKPGNAADLFAVSNVDGALVGGASLKADFA
UniRef90_B9NSF5	ENIRILYGGSVKASNAADLFAQPDVDGGLVGGASLNAEFTRSVRLLYGGGSVKPGNAADIFAVSNVDGALVGGASLKADFARSVTIQYGGSMNPANAAELLGHEDIDGGLIGGASLDAKFM
UniRef90_R5SM91 UniRef90_B8E2R2	R S V T I Q Y G G S M N P A N A A E L L G H E D I D G G L I G G A S L D A K F M Q K V R I Q Y G G S V N P Q N I K E F L A Q S E I D G A L V G G A S L K P Q F W
UniRef90_UPI0003B7635E	D K V R I Q Y G G S V K P N N I A E <u>Y</u> M A K E N I D G A L V G G A S L Q P D F L
UniRef90_C9LYH5 UniRef90_L0GFQ0	FGILIRII IQYGGSIVIK PATILIAGILIM FKPNIVIDGAIL VIGGASILIKAD FS
UniRef90_W5XBC7	N S I R I Q Y G G S V K A S N A K E L F S Q P N I D G G L V G G A S L N P E F A
UniRef90_UPI0003826830	_ D D T T
UniRef90_UPI0004647BD4 UniRef90_V4LFC7	S R L T L Q Y G G S V T P Q N A R E L L A Q P D V D G L V G G A S L E A E F T D L V Q I L Y G G S M K P N N A E E L L G Q T D I D G G L I G G A A L K A D F L
UniRef90_R6FLB2	S R L T L Q Y G G S V T P Q N A R E L L A Q P D V D G L L V G G A S L E A E F T D L V Q I L Y G G S M K P N N A E E L I G Q T D I D G G L I G G A A L K A D F L E K L V I Q Y G G S V K P D N A F E I M N M E E I D G A L V G G A S L D P K F I
UniRef90_B6YRU5	NEISILYGGSCNAGNAKELLEINPDVDGGLIGGASLKVDEL
UniRef90_UPI0001FFE3E9 UniRef90_C8WI01	A G A R I L
UniRef90_D1XX05	DE I SIV LIT G G S <mark>C</mark> K A S N A P E IL IF I K P NII ID G GIL I IG G A SIL IK A D F K
UniRef90_D7BNV9 UniRef90_E4TBD5	E A V R I Q Y G G S V K S S N V V E I M A Q P D V D G A L V G G A S L K A E F A D E V S I L Y G G S V K P S N A K E I F S Q P D V D G G L I G G A A L N E D F S
UniRef90_E41BD3 UniRef90_E8RFV2	ETVRILYGGSVKPDNIDDLMAQPDIDGALVGGAALKAEFD
UniRef90_L8XVS6	D S L R I L Y G G S V T A D N S A Q Y M A M S H I D G V L V G G A S L K P D F S
UniRef90_G8ULQ5 UniRef90_E3BA45	DSTSILYGGSCNAGNAKELFANPDVDGGLIGGASLEVEFM NKVRVLYGGSVKPGNVAEIMAGDDVDGALVGGASLVADFI
UniRef90_J3FIJ6	T D C R II L IY G G S IV IK A E N A K Q IL IF D Q P D II ID G G IL I IG G A S IL ID A S F A
UniRef90_B9Y3M3	F GIVIRII IO Y G G SIVIK P N NII IK F Y M A M F DII ID G A II I I G G A SII IK T D F F
UniRef90_R5UT49 UniRef90_UPI00034DA605	ENTSI LYGGS <mark>C</mark> NAKNADELFSNPDVDGGLIGGASLKAEDF AKTRVLYGGSVKPDNLGGIMAKADIDGALVGGASLKADFA
UniRef90_V2YCM1	R S V T V Q Y G G S M N A G N A Q E L L A Q P D V D G G L I G G A A L K P D F V
UniRef90_F2ND84 UniRef90_B7C8R0	Y G L R L L Y G G S V T P D N I K V L A Q A P D I D G A L V G G A S L K A D F L E K V R I Q Y G G S V K P N N I V E Y M A Q P D I D G A L I G G A S L K E D F T Q N T R I L Y G G S V K P G N A S E I F A K V D I D G G L I G G A A L S S D F S
UniRef90_B7C6K0	ONTRILIVGGSIVIK PGNASEILIEAKIVIDILIDGGILLIGGAAILISSDES
UniRef90_I3YFH8	_ E K I R I _L Y
UniRef90_UPI00039F2D22 UniRef90_S6GC79	D S L P I L Y G G S V K P D N A G E L F A Q P D V D G G L I G G A S L V A D F L A K T R I L Y G G S V N A E T A <u>S</u> Q L F S Q P D I D G G L V G G A S L K E D F K
UniRef90_S6HXM2	Q G V R L Y G G S V K A A N <u>A V </u> E L F S M P D I D G G L I G G A S L N A E F G
UniRef90_B0TGK3 UniRef90_Q0PIF8	Q K T R L Y G G S V K P D N K E L M N Q P D D G A L V G G A S L K A E F A E K V R L Y G G S V K P D N L R E L M E Q P D D G A L V G G A S L K A D F A
UniRef90_UPI00035F79BC	N Q T SII L IY G G S IV IN A Q N A N E II IF A Q P DII ID G GIL V IG G A S IL IK D D F IV I
UniRef90_A8KYR6	AGI IRIV LIY GGSIVIK AAN AAEILIF I MPDIVID GGIL VIGGASIL VIAEFIVI
UniRef90_R9AAV2 UniRef90_A6VM53	D S V R V I Y G G S V S H T N C G D L A K Q P D I D G F L V G G A S V K P E F V D Q V I I Q Y G G S V N D A N A A E L F T Q P D I D G A L V G G A S L K A
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UniRef90_UPI00026C7EAE	E RIL IPIL LIY G G SIVIN E N N A E A LIF A M P DIVID G GIL VIG G A SIL IN A K FIVI
UniRef90_M7ML58 UniRef90_UPI0003B3C869	AKVRILYĞĞSVKAANAASI LAQRDVDĞVLVĞĞASLDAEFA DGVRVLYĞĞSVKPGNVAEI MARPDI DGALVĞĞASLSVDFA
LiniDofOO K11 D01	NAVEL OV CCSVK PDNI A OVIDA E E NI D CAL VCCA SI E DS E
UniRef90_F4GJ61	EQLIIQYGGSVKADNVKELMAKPNVDGALVGGASLSIDFL DGVRLLYGGSVKADNAAELFGMADIDGGLIGGASLKAEFG
UniRef90_I7A3G6 UniRef90_A6SY03	D G V R L L Y G G S V K A D N A A E L F G M A D D G G L G G A S L K A E F G M Q V R L Y G G S M K P E N A K E L L A M S D D G G L G G A A L K A D F L
UniRef90_G4D133	EKTRI LYGGSVKPNNVAELMGRENI DGALVGGASLKADFE
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UniRef90_A8ZTP5	A A MRILYGGSVKPSNIA DL MA MD DI DGALVGGA SLEAAFA
UniRef90_A7INK7 UniRef90_UPI0004009643	D GIL RILLY G G S V K P D N A A T L M A V A D V D G A L V G G A S L K A D F L A R V R L L Y G G S V K P A N L A S E V G O P D L D G A L V G G A S L E A E E V
UniRef90_UPI00039C825C	AKLIQI LIYĞĞŞMKPDNAVELLAĞADI DĞĞLİĞĞAALKADFL
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UniRef90_U6MH12	EDI RI I Y G G S V K G S N A K E L F G G E DI D G F L V G G A S L T S D F H
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UniRef90_B1R147	DKVRI QYGGSVKPGTIKAQMEQSDIDGALVGG
UniRef90_D1BHK5	DAVRVLYGGSVKSSSIAELMKETDVDGALVGGASLDAEFA
UniRef90_A0A022LJ47 UniRef90_Q67SW4	A RVRI QYGGSVK PENMAAYMAQPDII DGAL VGGSSLKPEFA
UniRef90_UPI00046F2FF5	DQI TI QYGGSVKPGNIKELMEQPDI DGALVGGASL IADYV
UniRef90_UPI0003B30EB3 UniRef90_F5T2Y6	S GIVIKIV LIY G G SIVIK S G NIVIA A II LIA G T DIVID G A L V G G A SILID A E F A K NILIRILI I Y G G SIVIK G N N A A PILIFILIO P DIVID G GIVIG G G SIVID A F F IVI
UniRef90_X7E3G1	QKVQI LIYGGSVKASTSSALFQMPDVDGALVGGASLDAEFU
UniRef90_U2RMX0	QSVRII QYGGSVKPGSVTAII MAKPDII DGALVGGASLKPDFA
UniRef90_E1VI02 UniRef90_UPI0003B56848	NA
UniRef90_G0AJX6	VEVKI LYGGSMKPDNAAEL LAMPDIDGGLIGGAALKADFL
UniRef90_R8ALS2 UniRef90_I0AP96	EQIVII QYGGSIVIN A A N A A ELLIFT QPDII IDGAL VIGGA SILIK A D F A
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UniRef90_UPI000289E918	
UniRef90_E8JEV3 UniRef90_C9AC97 UniRef90_UPl0003806EFF UniRef90_E1SSS6 UniRef90_B9NSF5 UniRef90_R5SM91 UniRef90_R5SM91 UniRef90_B8E2R2 UniRef90_B8E2R2	
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UniRef90_D1XX05 G I I D A	
UniRef90_E4TBD5 K I <u>I E</u> A	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
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UniRef90_A4TC25 UniRef90_A3SY95 UniRef90_UPI000376D42D	
UniRef90_UPI00041C609E UniRef90_B4E5M4 UniRef90_E1QL68	R K L A G N WK M N G T L A G L D M L A E V A A A M D S T K A E A V I U R V P L I A G N WK M N G D H L Q A I A F V Q K L A W T L K D A N V E V A V R K L I A G N WK M N G L V S S Q A E I E A L K G L T G G A T C D I V I Q R T K R V I G N WK M H G R L A G N Q A L L N E V V A G A V A A E T S I G V R R I M V A G N WK M Y K T I D Q A V A L A K A V A A G P A R Q G L D V L L R P L V A G N WK M N G T R A S L D Q I I A Q G V S S P L S E K V E A L I
UniRef90_J1TCP4 UniRef90_UPl0004708D26 UniRef90_Q1AUH8	R P L V A G N W K M N G T R A S L D Q I T A Q G V S S P L S E K V E A L I R H P L V M G N W K L N G N K Q M T A G L I D G L R K A L S G V D C D V A I R R P L M A A N W K M N K T V R E A Q D Y M A A L L P A D L A G E V D V A V R K I I I A G N W K M F K T Q A E S L E F L T A L L P K I A D E E R E V V L
UniRef90_K9Q481 UniRef90_B1I0X8 UniRef90_UPI00047C846B	R Q P I T A G N W K M Y K T P S E A V E F V R R L A S A G V D N V E L V V A R K K L V A G N W K M H G S R S M A A A L A S D I A A G M P A S V D A V V F
UniRef90_UPI000262B2CD UniRef90_I0HPF9 UniRef90_B3R3W5	R T P L I A G N W K M N L D H L Q A I A L V Q K L A W G L S D S A A E V A V R R K L V V G N W K M H G S R P A N A E L L A A L I A G R P Y A A D V A V C R Q K L V I G N W K M H G S L A A N A A L L E G I Q A G A G V A R A T L A V R K I I I A G N W K M H K T Q A E A Q A F L Q G F K P L I E D A A E E V V L
UniRef90_Q59994 UniRef90_UPI00047E61DF UniRef90_G4T820 UniRef90_UPI00037FF762	R K I I I A G N W K M N L D H V Q G I T M L Q K L A W T L S D A K V E V A V M N G S K A S L I K L V E A L N D A Q L D P N T E V V I R R K L V V G N W K M N G T R T A N S V L L S G V V A G L T P A G A A C A V R T P L V M G N W K L N G T K E S V S A L I K G I A A A D A A K N V E V A V S R T P L M A G N W K M N L N H Q E A V V L V Q K L A W T L A D K K H E V V V
UniRef90_A1SWS5 UniRef90_A1SJQ1 UniRef90_UPI0003B77319	RTPLVMGNWKLNGTKESVSALIKGIAAADAAKNVEVAV SRTPLMAGNWKMNLNHQEAVVLVQKLAWTLADKKHEVVV RRPWVGGNWKMNGLRADHEALLAGLQPLAQMTAVDLAV
UniRef90_UPl00037E9826 UniRef90_U2U1B4 UniRef90_UPl0003B3A8E4	R R K M V A G N W K M N G S R D A N A N L V H D V V D S K R Y P D I D V V V R K R M I A G N W K M N M T Y N E G V V L A Q G L A R E L E G G D V D V V V S R L P L I A G N W K M Y K T G P E A V E T G A H L A S L S S D S D V E I M I
UniRef90_B2T2E5 UniRef90_B2V9Z2 UniRef90_UPI00047EB3FD	R K M V A G N WK M N G S R D A N A N L V H D V V D S K R Y P D I D V V V R K R M I A G N WK M N G S R D A N A N L V H D V V D S K R Y P D I D V V V S R I P L I A G N WK M Y K T G P E A V E T G A H L A S L S S D S D V E I M I Q R A K L V V G N WK M H G R L A E N A T L L Q A V A A G E L P A D V R V G V R Y L I A A N WK M N K T V A E S V E Y L E K F K P M V E D H Q V D I M I K K L I A G N WK M N G S L A A N E A L T K E L A G S P S C D V V V
UniRef90_A0A037URR1 UniRef90_A3Y8H1 UniRef90_F3KPZ6	R Q K I V A G N WK M N G S E S I D Q L V V G L N A A I D N A P V E V V V K L I A G N WK M N G S I A A N A A L L Q T I L I S G V R Q P A C A V A V
UniRef90_A0A059LJC9 UniRef90_B7A7G4 UniRef90_M5DJY8 UniRef90_Q1MZR8	T F F V G G N W K A N G T L E S V T D L V K G L N A G S I P S T V E V V V R R V L V A G N W K M H K V P S E A R V W L A E L K R L L P P L D S E A A V R S K L V A G N W K M H G G M V Q N R D L L G A I V A G T A A H K A G F A V R S F L V A G N W K M N G S K A F N O S R I E A I V A A T O R O D L D M A V
UniRef90_B2JA20 UniRef90_I4F074 UniRef90_UPI0002DB7331	R T F V A G N W K M N G S K A E N Q S R L E A L V A A L Q R Q D D D M A V R K I V I A G N W K M N G S K A E N Q S R L E A L V A A L Q R Q D D D M A V R K I V I A G N W K M F K T Q A E T Q E F L Q G F L P H L T P Q G R E V I L R R P L I A G N W K M H L T H L E A I G L V Q K L A F S L T E A Q A E V V V R R P L I A G N W K M N L D H V Q G L T L L Q K L A W T L D D A R A E V A V R Q I I V G N W K M N G L S R D S Q E L V K A I T S G L P A N S A D V V V R R A L I A G N W K M N G T T Q A A T A L A T A V R D G V A A P D C D V L V
UniRef90_C7JHB8 UniRef90_A0L8V0 UniRef90_W7CTG4	R Q I I V G N W K M N G L S R D S Q E L V K A I T S G L P A N S A D V V V R R A L I A G N W K L N G T T Q A A T A L A T A V R D G V A A P D C D V L V R K P I L A G N W K M N K T A A T A A E F I E S V K N K V P S H E I D S V V
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UniRef90_I1ARZ9 UniRef90_UPI0002E455ED UniRef90_G0QUL1 UniRef90_C7HU94	A I R K P MV A G N WK M N G S K E L V Q Q L S E A I N N V K S D E I N V V V A V R R L F V G G N WK C N N T Y N Q T Q S L V K D V L N K I D P K K V D V V
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UniRef90_S2L5P2 UniRef90_C7NHI7 UniRef90_UP100037566F1	R T A L I A G N W K M N G S L A L V E R F A Q A F V E T R M P A G V E V A L R L P L I A G N W K M N L D H L Q A T H L V Q K L D W V L R D A A V E V A V L I A G N W K M N G V L Q E A V Q F V N E L G E N P S P E H V E M A L
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UniRef90_UPI0003FA2644 UniRef90_UPI000409FBB9 UniRef90_K1LR24 UniRef90_I5C8I7	R K P L I A G N W K W N L N H P E A II A L V Q K II S F A L P E K K V D V T V R T P L I A G N W K M N L N H L E A II S V V Q K L T F A L P K D R I D V A V R I P I V A A N W K M H L T L S Q A E E F V N T V K N Q P D E E V E S I I
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UniRef90_Q1AUH8	LPVV	G E T E E E R D A G R M W E K V S G Q V R A V V E G L G E S K A Q R D A G E T D T V I A N Q L A K D L V D	GDASRVV
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UniRef90_I0HPF9 UniRef90_B3R3W5	T P I V C	GETILIA OREA GETEAIV VIGROLIOAIV LIETIVI	A H <mark>C</mark> A S E I E Q L G R V V
UniRef90_Q59994	<u>l</u> P l L C	GESKAQRDAGETEQVIVDQVK KGLVN	V D Q S N L V
UniRef90_UPI00047E61DF UniRef90_G4T820	TPVL SVIL	G E G L D V R Q A G K H V E H S L E Q L R A A V A E L G E T L E E B E A G K T A A V V E A O L K V L G O D A	P Q A A G I V S K W S K I V
UniRef90_UPI00037FF762	TPIV	G E T L E Q R E A G Q T D A V V G Q Q L G L D A G G A	DDVARLV
UniRef90_A1SWS5	V P V L C	G E S K A Q R D A G E T D T V I A N Q L A K D L V D G E S L D E R E A G R T E K V V T A Q I Q G C L A G L G E T L A Q R E A G E T E A V V T A Q L L A V L N G V G E T L A Q R E A G E T E A V V K R Q L T A A L A H Q L G E T L E Q R D A G E T E A V V G R Q L Q A V L E T V G E S K A Q R D A G E T E A V V G R Q L Q A V L E T V G E S K A Q R D A G E T E Q V I V D Q V K K G L V N G E G L D V R Q A G K H V E H S L E Q L R A A V A E L G E T L E E R E A G Q T D A V V E A Q Q L G L D Q A G K H V E T L E E R E A G Q T D A V V E A Q Q L G L D Q A G G C T L E E R E A G C T D A V V E A Q Q L K A V I D G C G E T L E E R E A G C T D A V V S R Q L L A V L E S Q G C T L A E R E A G C T L A V V S R Q L L A V L E S Q G C T L A E R E A G C T E A V L A R Q L A A V L E S Q G C T L A E R E A G C T E A V L A R Q L A A V L E S Q G C T L A E R E A G C T E A V L A R Q L A A V L E S Q G C T L A E R E A G C T E A V L A R Q L A A V L E S Q G C T L A E R E A G C T E A V L A R Q L A A V L E S Q G C T L A E R E A G C T E A V L A R Q L A A V L E S Q G C T L A E R E A G C T E A V L A R Q L A A V L E S Q G C T L A E R E A G C T E A V L A R Q L A A V L E S Q G C T L A E R E A G C T E A V L A R Q L A A V L E S Q G C T L A E R E A G C T E A V L A R Q L A A V L E S Q G C T L A E R E A G C T E A V L A R Q L A A V L E S Q G C T L A E R E A G C T E A V L A R Q L A A V L E S Q G C T L A E R E A G C T E A V L A R Q L A A V L E S Q G C T L A E R E A G C T E A V L A R Q L A A V L E S Q G C T L A E R E A G C T E A V L A R Q L A A V L E S Q C C T L A T T T T T T T T T T T T T T T T T	DALENAV
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UniRef90_G0QUL1 UniRef90_C7HU94	DVIAC	GETLEEREANKQEEKVKEOLEKDLKGI	E DIT KVI
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UniRef90_V4YRK6	VPVL TPIV	ĬĞĒŢĹĹĒĞŖĒÁĞQŤ <u>Q</u> ĂVVKŔĞĹŔÁÁ <u>ĹH</u> AV	G H C V S E I
UniRef90_UPI00047AD5E5	T P L V C	GETLETKEAGNTIISFVNNQIEKEGISK	E D A V K T I
UniRef90_B2G617 UniRef90_S2L5P2	VPI L	GESLITEREANRTEAL VLIG QIVIA AVIF DE P	S E R E R ML
UniRef90_C7NHI7	ĀPIV	GESSETRAAGEHLAFVTRQVAAALESA	E E LA HAV
UniRef90_UPI00037566F1 UniRef90_G8THS8	E P I L C	GEP N REAGTONS V VETO K EH SO	P E G A A L T A D T K K V V
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UniRef90_UPI0003A5F34B	IPMLC	GEGLEMRQAGE <mark>HVQHTL</mark> AQLAVAGLSE	EQAAELV
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UniRef90_UPI0003FA2644	TPIV SPII	GEGLEVREAGDHVAYNVEQITASLLSA	E E II IS K V
UniRef90_UPI000409FBB9 UniRef90_K1LR24	VPI LO	GESLEQYEAGLT KDFVWSQVKQALSGV	ESDKKIV
UniRef90_I5C8I7	S P I I C V P I L C T A V I C V P I V C	GETKAEREAGETUSVLSRÕI LGSVPKG	AQAKNTV
UniRef90_A8TL56 UniRef90_UPI00047C6737	VPI VC RPI F	G	LJD G A T IL V O F F F K II V
UniRef90_E5YA42	RPIFO SVILO	GETLAERKAGK <u>LN</u> SI LWLQLEAGLGPN	<u> A</u> DYSRLA
UniRef90_Q57D01	VAIV	G	V T A E N T I
UniRef90_UPI0004067D5E UniRef90_R5ZKZ3		GESTETYEAGKTNEWVGTOURTEGISK	IIAAN I V FDMDNV V
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UniRef90_R5AUD8	TPIII VAIV	GESLAQRE <mark>H</mark> DLTETYVAYQVAAAFLTA	E Q A M H C V
UniRef90_UPI00037ED2B7 UniRef90_C7RL15	VAIV GPII	G	A I A A D L V D D A I R T V
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UNRREDU_PRODOTOFOSO		
UNRAGE UPPROMOTES C. A. Y. E. P. W. WA. I. G. T. G. Y. T. A. S. A. E. O. A. O. E. W. T. A. F. I. R. T. Y. E. R. N. W. G. N. K. I. I. R. R. L. R. N. W. G. N. G. T. G. W. T. A. S. A. E. O. A. E. W. T. R. F. I. R. T. Y. E. W. W. A. I. G. T. G. K. T. A. S. A. E. O. A. E. W. T. R. F. I. R. T. Y. L. R. K. W. G. C. L. G. W. T. R. F. I. R. C. T. T. W. G. C. L. G. W. T. R. F. I. R. C. T. T. W. G. C. L. G. W. T. R. F. I. R. C. T. T. R. C. T. R. C. T. R. C. T. R. C. T. R. T. R. C. T.	UniRef90_Q8DKA0	I A Y E P I WA I G T G D T <mark>C</mark> E E T E A N R V T G T R S Q L H N
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UNRESPO PUPOMATCHES PLANT WALLS OF SALE AND WALL	UniRef90_UPI00046766CC	VAYEPVWAVGTGKTASPEQAEEVHRFIRAEL GELG
UNRESPO PUPOMATCHESSE	UniRef90_B7RHC8	I A Y E PI WAI G T G K I P T L A Q I I E V H D F I R A R L I A R F G D V E G
UNRESPO_UPLO004708D26	UniRef90_A4TC25 UniRef90_A3SY95	I A Y E P V W A I G T G R V A S A A D A Q E V <mark>C</mark> K A I R D E L G N <u>L </u> A S A D V A L A Y E P I W A I G T G K I P T L D Q I V E V H D F I R A T L A E R F G T D V S
UNRESPO_UPLO004708D26	UniRef90_UPI000376D42D	VAYEPVWALGSGAATPEQAEQVAAALRAVIAEVLGDDVA
UNRIGHO DEPOMORATION OF THE CONTRIBUTION OF TH	UniRef90_B4E5M4	VAYEPVWAIGTGKSATSAQAQDVHAFLRTRLA AKGA
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UNRESSO DEPOSAGE TO A SERVICE AND A SERVICE	UniRef90_UPI0004708D26 UniRef90_Q1AUH8	<u> </u>
Unicagio Disposado De Control De	UniRef90_K9Q481	TAYEPIWAI GTGETCDAKEANRVIGLIREKLTN
Unicagio Disposado De Control De	UniRef90_UPI00047C846B	I A Y E P V WA I G T G R T A T P E Q A Q Q V H G F I R S Q L A R E D A M A
UNINGRIGO UPPROMOTEFRED VIA Y E B V WAL IG T G K V A S P E D A G E M M A A LIR A E LI K & LIV DA GIV A UNINGRIGO GINGOTFFRED UNINGRIGO ATSWSS I A Y E P V WAL IG T G K V A S P S E Q A Q D V I A WILL R A E V LIV A WILL R A WILL	UniRef90_I0HPF9	V Y E P V WAIT G S G Q A A T P E Q A Q E V A R A L R E H L R D L V G D E Q A V Y E P V WAIT G T G R T A T P E Q A Q A V H A V L R A Q L H A A T G R G H
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Unicago Unicag	UniRef90_UPI00037FF762	LAYEPVWALGTGKTATPQMAQDVHQVLRAQVAKKNAVA
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UNIRGED CARDOS GLOS OF MARKED TO A CONTROLLED	UniRef90_UPI00047EB3FD	V VII E FIVIVIALI IGI GALA 3 F E E A GALVIII ALV E IN A GIETA A A L D G 3
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UniRef90_UPI000255D1ED	UniRef90_L0NEE2	I IAYEPIVIWAII IGI GILILPI IVIA DIVIE EAHAEMRREII ISEREG EOG
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UniRef90_ISC817	UniRef90_UPI0003FA2644	VAYEPVWALGTGRVASSADDAQEVCGAVRGALAELSDAGTA
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UniRef90_E5YA42	UniRef90_A8TL56	V A Y E P V VV A
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UniRef90_R5AUD8 I A Y E P L WA I G T G N T A T S A Q A Q E V C A S I R A T L G K L Y D L E T A UniRef90_UPI00037ED2B7 V A Y E P V WA I G T G L T P T N E D L A E M H S A L R T A L K A R F G E E G UniRef90_C7RL15 V A Y E P V WA I G T G V T A T D D E A Q A H A F V R G L L A K L Y G D G V A	UniRef90_R5ZKZ3	I IA V E PIL IMAII IG T G K T A T P EIL IA E NIVI <mark>C</mark> G EIL IR DIVI I K D M E G K GIVIA
UNINCESO_OFICOUS/EDZB/ V A TEFV WA I G T G V T A T D D E A Q Q A H A F V R G L L A K L Y G D G V A UNINCESO D S D S A N D V A A F V R G L L A K L Y G D G V A UNINCESO D S D S A N D V A A A F V R G L L A K L Y G D G V A UNINCESO D S D S A N D V A A A F V R G L L A K L Y G D G V A UNINCESO D S D S A N D V A A MU D S V X K E V A G A S A A N D V A A MU D S V X K E V A G A S A A A S D S A A N D V A A MU D S V X K E V A G A S A A A S D S A A A A	UniRef90_R5AUD8	I A Y E PIL WALL GT GNT A T S A QA Q E V C A SIL RATIL GKLY DLE T A
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	210 220 230 240
UniRef90_Q8DKA0 UniRef90_UPI00040DF388	PDVPIQYGGSVNANNIDAIMAQPEIDGVLVGGASLQPQFGETSILYGGSVKPDNAAEIFSKPDVDGGLIGGASLKADFI
UniRef90_T2DK51 UniRef90_UPI00046766CC	Q G L R
UniRef90_M1REU3 UniRef90_B7RHC8	DII IRIV I IY G G S IV IN P O N A K F F II IK A P N IV ID GII I V IG G A S II ID P N F II I
UniRef90_A4TC25	N A I R L L Y G G S V K P D N A A E I F T A E N V D G A L V G G A S L K A D F A A G V R V L Y G G S V N A K N V G E I V G Q G D V D G A L V G G A S L D G E Q F
UniRef90_A3SY95 UniRef90_UPI000376D42D	DALRLLYGGSVKPDNAAEIFKVDNVDGALIGGASLKADFVAKTRILYGGSVKSGNIAGFMREPNVDGALVGGASLDVEFAHSVKILYGGSVKTSNAEAFFGLRNVDGALVGGASLKAEFA
UniRef90_UPI00041C609E UniRef90_B4E5M4	H S V K I
UniRef90_E1QL68 UniRef90_J1TCP4	KGMRILLIYGGSIVIKPANARFILLIAIVIDNIVIDGAILLIGGASILIKADFILL
UniRef90_UPI0004708D26 UniRef90_Q1AUH8	- F (J) V
UniRef90_K9Q481 UniRef90_B1I0X8	E E A R L L Y G G S I K P E N I S E I M A Q K D V D G G L V G G A S L E V S F L K N V T I Q Y G G S V K P A N V D E I M A Q P E I D G A L V G G A S L E A D F A D R V R I Q Y G G S V K P E N T R A L I S Q P D I D G A L V G G A S L K V E F A
UniRef90_UPI00047C846B UniRef90_UPI000262B2CD	R L T R L L Y G G S V K P A N <u>A</u> A E L F A Q A D V D G G L V G G A <mark>C</mark> L T <u>A</u> D F L
UniRef90_I0HPF9 UniRef90_B3R3W5	T MRI L Y G G S V K A D N A A T L F A Q P D I D G G L I G G A S L K A D F I G R M A I L Y G G S V K P D N A A E L F S M T D I D G G L I G G A S L K S E F L S Q V T I Q Y G G S V N A N N V D E I M A Q P E I D G A L V G G A S L E P Q F A
UniRef90_Q59994 UniRef90_UPI00047E61DF	S QIVITILIQ Y G G SIVIN A N NIVID FILIM A Q P FILID G A IL VIG G A SILIF P Q F A
UniRef90_G4T820 UniRef90_UPI00037FF762	A K V R L L Y G G S V K G A N A A S I L Q Q R D V D G V L V G G A S L D P E F A E T I R I I Y G G S V T G T S C G E L S A Q P D V D G F L V G G A S L K P E F I A G V Q I L Y G G S M K P D N A K E L M A M P D I D G G L I G G A A L K A D F L
UniRef90_A1SWS5	A KIVIQII LIY G G SIVIK A S S A K EILIF A Q P DII ID G GIL VIG G A AIL VIE E FIVI
UniRef90_A1SJQ1 UniRef90_UPI0003B77319	D G V R V L Y G G S V K A A N W A G I M A K D D V D G C L V G G A S L Q A E F G E A L R I A Y G G S V K A A N A A G L F A M P D I D G A L V G G A S L D A E F L
UniRef90_UPI00037E9826 UniRef90_U2U1B4	N S T R I L Y G G S V K A D N A A S L F A N A D V D G G L I G G A S L K A E F L D G I R I L Y G G S A K P D N V A G F L E K Q D V D G A L V G G A S L K A D F A D R T R I L Y G G S V K P D N V S D L M S L E D V D G A L V G G A S L D A D F I
UniRef90_UPI0003B3A8E4 UniRef90_B2T2E5	DRTRILYGGSVKPDNVSDLMSLEDVDGALVGGASLDADFLADVPLLYGGSVKPENAEELFRQPDIDGGLIGGASLKDDFL
UniRef90_B2V9Z2 UniRef90_UPI00047EB3FD	E A L R I A Y G G S V K A A N A A G L F A M P D I D G A L V G G A S L D A E F L N S T R I L Y G G S V K A D N A A S L F A N A D V D G G L I G G A S L K A E F L D G I R I L Y G G S V K P D N V A G F L E K Q D V D G A L V G G A S L K A D F A D R T R I L Y G G S V K P D N V S D L M S I E D V D G A L V G G A S L D A D F I A D V P L L Y G G S V K P E N A E E L F R Q P D I D G G L I G G A S L D P K F Y A R V K I L Y G G S V N P V N A A S L L A Q P D I D G G L I G G A S L Q A D F L N V I R I Q Y G G S V K P E N L Q E L L A Q P D I D G A L V G G A S L E P K F L
UniRef90_A0A037URR1 UniRef90_A3Y8H1	E K V R I I Y G G S V K A S S S S E L F T M P D I D G A L V G G A S L K V E F I
UniRef90_F3KPZ6 UniRef90_A0A059LJC9	G R I
UniRef90_B7A7G4 UniRef90_M5DJY8	A GIL IKII LIY G G SIVIK A N N A E EIL IF A M P DII ID G GIL I IG G A SIL VIA E FII I
UniRef90_Q1MZR8 UniRef90_B2JA20	
UniRef90_I4F074 UniRef90_UPI0002DB7331	NVSIQYGGSVKPNNIDEI MAQPEI DGVLVGGASLEPEFA AAIRI LYGGSVKAGNTAGI LAGPDVDGALVGGASLDAEFA GKVRMLYGGSVKAANAGAI LKGKDVDGLLVGGASLDAEFA
UniRef90_C7JHB8 UniRef90_A0L8V0	KVIKILYGGSVNAGNAATILPIPEVAGALVGGASLKADFI
UniRef90_W7CTG4 UniRef90_B6BBV3	E A V R I Q Y G G S V K P E N A A E F A V S N V D G A L V G G A S L E A E F L D S I R L L Y G G S V K P S N A A E F F A V S N V D G A L V G G A S L K A D F S
UniRef90_UPI0003B51387 UniRef90_A0A024PY51	OFILIRII LIYGGSIVIK AANAAFILIFA QADII IDGGIL VIGGASII INAFES
UniRef90_I1ARZ9 UniRef90_UPI0002E455ED	Q A M R L L Y G G S M S A A N A A E L L A Q P D I D G G L V G G A S L K V D F L R S V R L L Y G G S V K P S N A A E I F A V S N V D G A L V G G A S L K A D F V Q G L T I L Y G G S V N E K N S E L L F A Q P D I D G G L I G G A S L K A D F T
UniRef90_G0QUL1	QDTRILIYGGSIVITEKNSNEILIGMKDII IDGFILVIGGAAILIKPAFA
UniRef90_C7HU94 UniRef90_Q21YC9	DRI OI I Y G G S M N A A N A A F I I A O P DI D G GI V G G A S I K P D F I
UniRef90_Q0B082 UniRef90_U2B8D8	DLTRI I Y G G S V K E E N [] A E F L G E A D V D G A L I G G A S L Q A E S L S G L R I L Y G G S V K A A S A A E L F G M Q D I D G G L V G G A S L N A E F G D A V R I V Y G G S M N A A N A A S L L A Q P D I D G G L I G G A S L K A D F L
UniRef90_V4YRK6 UniRef90_UPI00047AD5E5	DAVRIVYGGSMNAANAASLLAQPDIDGGLIGGASLKADFL DEISIQYGGSVKPGNIKELMEMPNIDGALVGGASLSDDYL
UniRef90_B2G617 UniRef90_S2L5P2	DEI SI QYGGSVKPGNIKELMEMPNI DGALVGGASLSDDYLNNVRI LYGGSVTTSNINALMAKNDI DGVLVGGASLSDDYLAGTRLLYGGSMKAANAAELLAQPDI DGGLVGGASLQIDFL
UniRef90_C7NHI7 UniRef90_UPI00037566F1	A G M R V L Y G G S V K P T N L A E I M D E A D V D G A L V G G A S L T A E F A C D C R V L Y G G S V N P G N A E E L M S C P G V E G A L V G G A S L K A E F M D A V S I L Y G G S V K A N N A K E L F S C P D V D G G L V G G A S L N A E F L
UniRef90_G8THS8 UniRef90_H1LC04	D A V S I
UniRef90_UPI0003A5F34B UniRef90_T0SSY7	N Q V R V L Y G G S V N D E N A D D I L A Q R D I D G V L A G G A S L K A D F L Q K V R L L Y G G S V K A A N V A S I L R E R D V D G V L V G G A S L D A E F A E E T L I L Y G G S V K P D N A K E L F S C A D I D G G L V G G A S L K A E
UniRef90_L0NEE2 UniRef90_W5TJW4	STMRILYGGSVKPSNAKELMAIPNVDGALIGGASLKAEFLAGVRILYGGSVNAKNVGELIASPDIDGALVGGASLKGDEFDAVRIQYGGSMKGANAADLLAQADIDGGLIGGASLTMDFF
UniRef90_B5YLS7 UniRef90_UPI000255D1ED	D A V R I Q Y G G S M K G A N A A D L A Q A D I D G G L I G G A S L T M D F F D G V R L Y G G S V K S K N V A S I L A G A D V D G A L V G G A S L D A E F A
UniRef90_UPI00046EAF68 UniRef90_K9SWD4	D A V R I
UniRef90_W1SI51 UniRef90_F1VU55	ESVSI LYGGSANESNAAEYSRMPDIIDGLLVGGASLKAKFD EGICILYGGSMKPDNAHELMAMADIIDGGLIGGAALKADFL
UniRef90_U6GH90 UniRef90_UPI0003FA2644	SALRI VYGGSVSDSN <mark>C</mark> VSLIIK <mark>C</mark> EDVDGFLVGGASLKKAFV AGVRI LYGGSVNAKNVGEI VGRTDVDGAI VGGASI KAFFA
UniRef90_UPI000409FBB9 UniRef90_K1LR24	N S V R V L Y G G S M K V D N A A E L V S Q P D V D G G L V G G A S L D G E D A L R L L Y G G S V K P N N L K E F L N Q S D L D G A L V G G A S L D P S V L
UniRef90_I5C8I7 UniRef90_A8TL56	GT MR L L Y G G S V K P G N A T E L L S V E H V D G A L V G G A S L K A D F L A A V R I L Y G G S V K P G N A T E L L S V E H V D G A L V G G A S L K A D F L A Q I P I L Y G G S V K P S N A A E L F A A P D I D G G L V G G A S L K S E F I G I Q I L Y G G S V K P D N A K A I L S L D N V D G L L V G G A S L K A D F L N G I R L L Y G G S V K P S N A A E L L G V A D V D G A L V G G A S L K A D F L N G I R I L Y G G S V K P S N A A E L L G V A D V D G A L V G G A S L K A D F L N G I R I L Y G G S V K P S N A A E L M A V E N V N G A L V G G A S L K A D F L N G I R I L Y G G S V K P S N A A E L M A V E N V N G A L V G G A S L K A D F L N G I R I L Y G G S V K P S N A A E L M A V E N V N G A L V G G A S L K A D F L N G I R I L Y G G S V K P S N A A E L M A V E N V N G A L V G G A S L K A D F L N G I R I L Y G G S V K P S N A A E L M A V E N V N G A L V G G A S L K A D F L N G I R I L Y G G S V K P S N A A E L M A V E N V N G A L V G G A S L K A D F L N G I R I L Y G G S V K P S N A A E L M A V E N V N G A L V G G A S L K A D F L N G I R I L Y G G S V K P S N A A E L M A V E N V N G A L V G G A S L K A D F L N G I R I L Y G G S V K P S N A A E L M A V E N V N G A L V G G A S L K A D F L N G I R I L Y G G S V K P S N A A E L M A V E N V N G A L V G G A S L K A D F L N G I R I L Y G G S V K P S N A A E L M A V E N V N G A L V G G A S L K A D F L N G I R I L Y G G S V K P S N A A E L M A V E N V N G A L V G G A S L K A D F L N G I R I L Y G G S V K P S N A A E L M A V E N V N G A L V G G A S L K A D F L N G I R I L Y G G S V K P S N A A E L M A V E N V N G G A S L K A D F L N G I R I L Y G G S V K P S N A A E L M A V E N V N G G A S L K A D F L N G I R I R I L Y G G S V K P S N A A E L M A V E N V N G G A S L K A D F L M A V E N V N G G A S L K A D F L M A V E N V N G G A S L K A D F L M A V E N V N G G A S L K A D F L M A V E N V N G G A S L K A D F L M A V E N V N G G A S L K A D F L M A V E N V N G G A S L K A D F L M A V E N V N G G A S L K A D F L M A V E N V N G G A S L K A D F L M A V E N V N G G A S L K A D F L M A
UniRef90_UPI00047C6737 UniRef90_E5YA42	AQI PI LYGGSVNAKNAAELFAAPDI DGGLVGGASLKSEFL
UniRef90_E57A42 UniRef90_Q57D01 UniRef90_UPI0004067D5E	HL RL LYGGSVKPSNAAEL LGVADVDGAL VGGASLKADFL
UniRef90_R5ZKZ3	NKVKI LYGGSVKPGNVHELIMGQADIDGALVGGASLKADFK
UniRef90_UPI0003AAF1C1 UniRef90_R5AUD8	N K V K I L Y G G S V K P G N V H E L M G Q A D I D G A L V G G A S L K A D F K H L R L L Y G G S V K P G N V H E L M G Q A D I D G A L V G G A S L K A D F K H L R L L Y G G S V K P N N A V E L L G V A D V D G A L V G G A S L K A D F L K T I S I L Y G G S W K P D N A T E I L A V A D V D G A L V G G A S L K A E F L Q S I S I Q Y G G S M K P E N A A G L L A Q K D I D G G L I G G A A L K A D F L D A I R I L Y G G S V K P A T I E E Q M S K S D I D G A L I G G A S L K S E S L
UniRef90_UPI00037ED2B7 UniRef90_C7RL15	E G F L
UniRef90_R5DNV2	

UniRef90 (OBDKA0	R	I V NYK
UniRef90_l	JPI00040DF388	G	I V
UniRef90_l	Г2DK51 JPI00046766CC	Α	I C Q A A N I C R A A
	M1REU3 B7RHC8		IVNA <mark>C</mark> IIKA
	A4TC25 A3SY95	A P	T L S A I L Q A
UniRef90_l	JPI000376D42D	Α	IVRYQ
	JPI00041C609E 34E5M4	_	IISAA I <mark>C</mark> RAAR
	E1QL68 J1TCP4	G A	I LAA
UniRef90_l	JPI0004708D26 Q1AUH8	V	I VN L VE A A R
UniRef90_k	(9Q481	R	LVN
	3110X8 JP100047C846B	G A	I I R I <mark>C</mark> A A A H
	JPI000262B2CD 0HPF9	R A	I I Q F Q I <mark>C</mark> R A A
UniRef90_E	33R3W5 Q59994	A R	I G N A
UniRef90_l	JPI00047E61DF	S	I V R F E Q
	34T820 JPI00037FF762	N A	I I N <u>V</u> N Q I I R A A
	A1SWS5 A1SJQ1		I L E G A I <mark>C</mark> R F Y
UniRef90_l	JPI0003B77319	Α	ICAAAQ
UniRef90_l	JPI00037E9826 J2U1B4	Α	I C A A A Q M V K A A
	JPI0003B3A8E4 32T2E5	K A	IIN I <mark>C</mark> KAA
UniRef90_E		K	IIAAAH
UniRef90_A	A0A037URR1	G	LVK
	\3Y8H1 F3KPZ6		IVKSA IINAA
	A0A059LJC9 B7A7G4	Α [L L R M A
UniRef90_N	M5DJY8	Α	ICRAAN
	Q1MZR8 32JA20	A R	I <mark>C</mark> DAA I <u>V</u> N
	4F074 JPI0002DB7331	0	I <mark>C</mark> RTA I V RFEH
UniRef90_0	C7JHB8	S	I <u>V</u> SAA
UniRef90_\	A0L8V0 N7CTG4	Α	LLEGA
	36BBV3 JPI0003B51387	P A	I I S A L E I <mark>C</mark> R A A
	\0A024PY51 1ARZ9	A P	I <mark>C</mark> H S A R I I D A L N
UniRef90_l	JPI0002E455ED	Α	ICNSA
UniRef90_0 UniRef90_0	GOQUL1 C7HU94	D Q	LIN
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UniRef90_l	J2B8D8	A	I C R A A
	JPI00047AD5E5	Α	LVNY
UniRef90_E UniRef90_S		Q A	ICQSA
UniRef90_0			I V R F R I V N A A
UniRef90_0	G8THS8	Т	I <u>I</u> N S
	JPI0003A5F34B	K N	
UniRef90_7 UniRef90_L		Α	
UniRef90_\ UniRef90_E	N5TJW4	Α	
UniRef90_l	JPI000255D1ED	K	
UniRef90_U UniRef90_h	JP100046EAF68 (9SWD4	K R	I V N Y
UniRef90_\ UniRef90_F		G A	MIK IIAA
UniRef90_l	J6GH90	D	IIGAPN
UniRef90_l	JPI0003FA2644 JPI000409FBB9		
UniRef90_l UniRef90_l			L V Q A I A A A <mark>C</mark>
UniRef90_A		Α	I A R S I A K S
UniRef90_E	5YA42	D	IVRA
UniRef90_0 UniRef90_0	Q57D01 JPI0004067D5E	A G	
UniRef90_F		Α	LVE I <mark>C</mark> DAYR
UniRef90_F	R5AUD8	Κ	I V A A
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UniRef90_Y0KHV2 UniRef90_A1WLP6 UniRef90_UPl0003B68C37 UniRef90_D3SFJ1 UniRef90_B8C5E1 UniRef90_B8C5E1 UniRef90_UPl0003147E29 UniRef90_UPl0003147E29 UniRef90_UPl000378237D UniRef90_UPl000378237D UniRef90_UPl000464D587 UniRef90_UPl000378237D UniRef90_UPl00036BDDC1 UniRef90_UPl00036BDDC1 UniRef90_UPl0003833531 UniRef90_UPl0003833531 UniRef90_UPl0003833531 UniRef90_UPl0003485BDB UniRef90_UPl0003485BDB UniRef90_UPl0003485BDB UniRef90_UPl0003485BDB UniRef90_A1AXX3 UniRef90_A7XK09 UniRef90_A7XK09 UniRef90_A4SJR1 UniRef90_BBDRZ9 UniRef90_A4SJR1 UniRef90_UPl000305CA9E UniRef90_A4SJR1 UniRef90_UPl000305CA9E UniRef90_UPl00045EAD38 UniRef90_UPl00045EAD38 UniRef90_UPS6A998 UniRef90_B8J003 UniRef90_WSJQ71 UniRef90_WSJQ71 UniRef90_WSJQ71 UniRef90_WSJQ71 UniRef90_WSJQ71	1 QK V A N WK M H G S K Q N E Q L R G A E S T K H T Q V V R K K L V A N WK M H G S K Q N E Q L R G A E S T K H T Q V V R T K L A G N WK M N G S A A N Q D L Q A R A G A D A A C T V A L R K K P L V A G N WK M N G S R A N R A L S A L K Q S L Q E Q R E M A L R K K P L V A G N WK M N G S R E A N R A L S A L K D S S K L A G L K K K V F G N WK M N G S R E A N R A L L S S F K V A G S R K K V F G N WK M N G T N E S T D F L N Q V D N K L D S S K L A G L R K K V F G N WK M N Q N L A E V R T F F N E L S S F K V A G S R K K V F G N WK M N Q N L A E V R T F F N E L S S F K V A G N W K M N Q N L A E V R T F F N E L S S F K V A G N W K M N Q N L A S S D S P D P K V A G N L R K K V Y G N WK M N G D L S A N A A F V A E L T A E V S G L A C R A A L R K K V Y G N WK M N K G L Q E S A D V K K A L K D H L P D P F K V E V G L R K K Y A G N WK M N K G L Q E S A D V K K A L K D H L P D P F K V E V G L R K K Y A G N WK M N K G L Q E T K N F L E T V L N K L K L E N T K V F L R R K Y A G N WK M N K G L Q E T K N F L E T V L N K L K L L D S R K V D A L L R K K Y A G N WK M N G L K A S L D G E R D A A A G G K G K A G V E A L L K P L V A G N WK M N G L K A S L D G E R V K M L A G D K C M A D V G L L R K K P L V A G N WK M N G L K A S L D G E R V K M L A G D A M T E V V V R K Q V L L G N WK M N M G L K A S L D G E R V K M L A G D A M T E V V V R K Q V L L G N WK M N M G L K A S L D G E R V K M L A G D A M T E V V V R K Q V L L G N WK M N M G L K A S L D G E R V K M L D A M T E V V V R K Q V L L G N WK M N M G L K A S L D G E R V K M L D A M T E V V V R K Q V L L G N WK M N M G L K A S L D G E R V V D D A K A D V G L R K P L V A G N WK M N M G S T S A S L D E A K G L D A K A D V D D W V V V R K P L V A G N WK M N K T P Q C A A G C C L L T L T D A A A G Q D V V V V R K P F L A A N WK M N K T P Q
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UniRef90_Q5P1F2 UniRef90_I0HZH3 UniRef90_UPI00036CAAA0 UniRef90_E4U8B8 UniRef90_E4U8B8 UniRef90_UPI00047015D9 UniRef90_UPI000376BC74 UniRef90_UPI000376BC74 UniRef90_UPI0004668403 UniRef90_UPI0004668403 UniRef90_DJ1YAN9 UniRef90_E0MKC7 UniRef90_E0MKC7 UniRef90_B6EPI8 UniRef90_TOC023 UniRef90_UPI0004147A88 UniRef90_UPI0004147A88 UniRef90_UPI00036768D3 UniRef90_UPI00036768D3 UniRef90_UPI00036768D3 UniRef90_UPI00046E7D3B UniRef90_UPI00046E7D3B UniRef90_UPI00046E7D3B UniRef90_UPI00046E7D3B UniRef90_UPI00046E7D3B UniRef90_UPI00046E7D3B UniRef90_UPI00046E7D3B UniRef90_UPI00046E7D3B UniRef90_UPI00046E7D3B UniRef90_UPI00046E7D3B UniRef90_UPI00046E7D3B	MMAGN WK MN KT V D E A L A R A I C E Q V N H A N V D R V V K R L I A A N WK MN T N F L E A S Q I V S S L K L M G N S D V E T I I R T P L L A G N WK M H K T P S E A R V W F A E F L E A N P Q A A V E V A L R K L A A G N WK MN G S R A A L D A L E A L A D S A G G A A E V A I R V M M V A G N WK M N G S L S S N Q Q R L E D L A L Q K Q S D L V E L V V K R K P I V A A N WK M N G N R A L V D K V L E S I R I T G V D K N V Q V M L K Q R L V I G N WK M N G S L A D N V L WA T H F R H G L K S Q D V E V A V R K K I V I A N WK M N H D F H E T T N F L R N L L K K K I N H N K E I I I K P L I A A N WK M N G D K L D Q L A L L A A G L D A E L A E K L D L A V R F L V A G N WK M N G D K L D Q L A L L A A G L D A E L A E K L D L A V R T K Y I V G N WK M N Q N T E D V I A F F D A I D S S K L R H E A W I A R T P L V A G N WK M N G D R S S L V E I V A I A G G V T P A E N V E A L I R K L A A G N WK M N G D R S S L V E I V A I A G G V T P A E N V E A L I R K L A A G N WK M N G D R S S L V E I V A I A G G V T P A E N V E A L I R K L A A G N WK M N G D R S S L V E I V A I A G G V T P A E N V E A L I R K L A A G N WK M N G D R S S L V E I V A I A G G V T P A E N V E A L I R K L A A G N WK M N G D R S S L V E I V A I A G G V T P A E N V E A L I R T P L V M G N WK M N G D R S S L V E I V A I A G G V T P A E N V E A L I R T P L V M G N WK M N G D R S S L V E I V A I A G G V T P A E N V E A L I R T P L V M G N WK M N G D R S S L V E I V A I A G G V T P A G N K A G V A R E I H L V G N WK M N G S L A A N A A L L Q A I K Q G L P A G N K A G V A R E I H L V G N WK M N G S L A A N A A L L Q A I K Q G L P A G N K A G V A R E I H L V G N WK M N G E L E Q V R E F A K A L E A M P S L N C Q A WI M F K T R D E A L A F I Y A V N E S L P S D D V D T V I R K P V I A G N WK M H M T C A Q A R D W M T V F L P A N T P E D R H L V V
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UniRef90_W0SEG9 UniRef90_Q5P1F2	M	K E G Q A V T G H S E R R R R F G E T D E L N K K K K A L A E G L R A V G C S H V V G H S E R R A Y F G E S D E A V R A K A D A V A A A G G L A A G G L A A G G C G A D Y V I C G H S E R R A Q L F G E T D A V V R A K A D A V I A A G G L A H G L L G C G A D Y V I V G H S E R R R Q L L G E T D A L I Q R K L E A A L A G G M M L V G H S E R R Q L L G E T D A L I Q R K L E A A L A G G M M L V G H S E R R Q L L G E T D A L I Q R K L E A A L A A G G L A H G L L S I N Y V V V I G H S E R R R Q L L G E T D A L I Q R K L E A A L A A G G L A H G L S I N Y V V V I G H S E R R R A L F G G E T D A L I Q R K L K A G A A L K A G G L A D F G C R Y A L V G H S E R R R A L F G G E T D A V V A A K F A A A L K A G L L S D F D C R F V I V G H S E R R R A F F G D T D A V V A A K K A R A A L A A G L L S D F D C R F V I I G H S E R R R Q Y F R G D T D S V V N K K A H S A V A A G L L S D F D C R F V I I G H S E R R R Q Y F G D T D S V V N K K A H S A A V A A G L L A D L G C R Y V V V V G H S E R R R A Y W N E S D A L V A A K K A R R A ME A G L L A D A G A A T L V I L G H S E R R R S L F A E T D L Q V A A K K A R A A V A A G L L A C D C R Y V I V G H S E R R R S L F A E T D L Q V A A K K F A F L K E N G L L A C D C R Y V I V G H S E R R R S L F A E T D L Q V A A K V K A Q W R A G L L K S L G L S K V I L G H S E R R R S L Y H N E S D S L L I A A K V K A Q W R A D L L L K K Y E A F L K E N G L L K S L G L S K V I L G H S E R R R E F F L E K N D L L A K K F A F L K E N G L L K C G G C S W A V V V G H S E R R R R R A D H G E T S E D V A A K A K A A A L R A G G L L K D L G G S S R R S L Y H N E D D A N L V A A K A K A A A L R A G G L L K D L G G S S W A V V V G H S E R R R R P Y H N E T D D A N L V A A K A K A A A L R A G G L L K D L G G S S W A V V V G H S E R R R R P Y H N E T D D A N L V A A K A K A K A K A L A K G I L K C G G C S W A V V V G H S E R R R A D H G E T S E D V A A K K A K A K A K A K A C A A L A K K G I L K D L G G A T F V I I G H S E R R R S L F N E D T L L N T K K L H A A F K H N L L K E F G V
UniRef90_I0HZH3	M	KGF ASYVII GHSERRQYFAETDETVNKKAHSAVAAGL
UniRef90_UPI00036CAAA0	M	VADY CQFVIIGHSERRQFFGDTDSVVNKKVISALGHNL
UniRef90_E4U8B8 UniRef90_X7F2Q2	M	- A D L G K T V V G T S E K K A Y W N E S D A K K A K A M E A G L
UniRef90_UPI00047015D9	М	A ELDCRYVI VGHSERRSLYHET DLQVA A KVÃ A VQQA GL
UniRef90_UPI000376BC74 UniRef90_UPI0004668403	Q	VIKEAGAQWVI CGHSERRSIIFAERSKKTAEKF <u>VKVHQ</u> AGL
UniRef90_D0JAE8	M	- K S G G S K V I L G H S E R R E F F T E K N D I L L K K T R II AL K Y E F
UniRef90_J1YAN9		- KEASASY <mark>C</mark> LVGHSERRQYQFESDSLIAQKVAAAIAGGI
UniRef90_E0MKC7 UniRef90_B6EPI8	M	S D C E A D F C V G H S E R R T D C G E T D A D V A A K V K A C W R A D L K E G A T H L L G H S E R R E V H N E S D E E V A K K E A E I K E N G L K E N G
UniRef90_T0C023	S	KD GAHFVII GHSERRS TYNEDDAT LNTKTKT ALS NEL
UniRef90_UPI0004147A88	M	- A RLA CDYVI VGHSERRKYHPEDDANU VDQVRAVLIAGM
UniRef90_A0A059FB25 UniRef90 Q28RL2	M	_ A
UniRef90_UPI00036768D3	M	A REIGCS WAV VIGHSERREYHNETNEQIVIA A KAKAALIGKGI
UniRef90_UPI00046E7D3B	M	- K D V G A T H L L L G H S E R R E Y H Q E S D E F V A K K F A F L K E N G L
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UniRef90_R6T9X9	M	T SLIGVIT YVI I GHSERRAMFNET DETIVNKKLHAAFKHNL
UniRef90_A3ZAP5 UniRef90_P48493	M	L L E H G V IR Y A JI V IG H S E P R K Y F S E S D E Q II IN H R G R S A Q S H G L
UniRef90_P48493 UniRef90_C8P6V6	A	- A ME S V F W V E G T S E K A E E N E F V G D K V A Y A E S Q G E E V G D A E N G E E C C C C C C C C
UniRef90_G6EZF1	М	K DVGAGYVI LGHSERRSDHKETDQLIKEKTIAAQKAGL
UniRef90_U6E3P6 UniRef90_UPI00035C6E4E	N	- R S F G N Y V L L G H S E R R S L F G E T D Q L V N L K L L K A L Q H N L
UniRef90_H1X6M8	A	L C C C C C C C C C C C C C C C C C C C
UniRef90_C8X336	М	LDLG <mark>C</mark> DYVLTGHSERRHVLGESDEFVGQKTAFALDQGL
UniRef90_T0F7N6 UniRef90_C6BUI8	H I	_ K E L G L K F A L V G H S E R R Q F L G E T N S F
UniRef90_B7FSQ0	M	K SI GVD WALAGHSERRTI FAET DDDI NAOCLKLIFSGM

		130 140 150	160
UniRef90_Y0KHV2	TPVLC	BETILTEREAGVMEMVVGKOLDTILTROEG	AFAHTI
UniRef90_A1WLP6 UniRef90_UPI0003B68C37	T P I V C	GETLPEREAGQTEAVVRRQLAAVILNG GETLQERESEETVPVVERQLMKALVGL GEQKSDREGGRTESVVAEQLDAVLDGVE	CISEVV
UniRef90_D3SFJ1	TPIL	GEQKSDREGGRT <u>E</u> SVVAEQLDAVLDGVE	A F D R A V
UniRef90_Q6MSF2	TPII		CDAILIKAII
UniRef90_B8C5E1 UniRef90_T0R5L7	S V M L C	B E S L A E F E Q D L A G S V <mark>C</mark> A V Q L K L K G I S K E B E T L E Q R K S G N T F K V I E T Q L A <u>L K D L</u> E K S	DMSRVA SSLKKLI
UniRef90_UPI0003147E29	T PI V C	GESLAEREAGQT <u>E</u> AVVKRQLAAVIQA <u>N</u> G	H C I S E I
UniRef90_C7XX29	T P L V C	D	QLRDII
UniRef90_B0VFR7 UniRef90_UPI000378237D	TPIFC	GESLAEFEQDLAGSVCAVQLKLKGISKEGETLEQRKSGNTFKVIETQLKLKDLEKSGESLAEREAGQTEAVVKRQLAAVIQANGDETMVQREMNGELHYVLKQLQSVLHGVLGETLQQREEGKTENVILSQLSGCLKNIKGETEEQRKTGETQEILENQIDRGLKEVS	NLDDLI
UniRef90_UPI000464D587	TAIVC	BETRSEHAAGRIMDVLHRQLFESMPDDA	TGDNTI
UniRef90_A0A059DYS4 UniRef90_A0NSY0	$\begin{array}{c cccc} T & P & I & I & C \\ \hline \hline V & A & I & I & C \end{array}$	GE T L E Q R K S G N I F K V I E I Q L A L K D L E K S E S L A E R E A G Q T E A V V K R Q L A A V V I Q A N G E T M V Q R E M N G E I H Y V L K Q L Q S V L H G V I G E T L Q Q R E E G K T E N V I L S Q L S G C L K N I K G E T E E Q R K T G E T Q E I L E N Q I D R G L K E V S G E T E A E R K A G R T L D F V A S Q I D G S V P D R A G E T L A E R K A G Q A L A I V E R Q L N G S V P D R A G E T L A E R N E G E H V A H V L K Q I D G G L E G F E G E G L E V R K A G E H V A H V L K Q I D G G L E G F E G E T L A E R N E G E L E R V L T A Q V E I L F D S E K G E T L A E R N A A G E T E T V C A R Q I N A V I D S F E G E T L D E R E A G K L S A V L E R Q L A A V F S A M F G E T L D E R E A G T A L D V L S R Q V A G S V P S F E G E T K A E R E A G T A L D V L S R Q V A G S V P S F E G E T K A E R E A G T A L D V L S R Q V A G S V P S F E G E T K A E R E A G T A L D V L S R Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V R G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E F D V R F A G R H L A H C D S Q V A G S V P S F E G E T C D S Q V A G S V P S S T C T C T C T C T C T C T C T C T C	T A E N C V
UniRef90_C0W1G7	T P II I C	SEGLEVRKAGEHVAHVLKQIDGGLEGFE	EVAKSV
UniRef90_UPI00036BDDC1 UniRef90_D2MMA1	KAI V TPIL	GETLIAERNEGELIERIVLITAQIVEILLIFDSEK GETEAEVDTGKTOEVLIKSOLISILISGUTAE	ELEEVI
UniRef90_E3BG27	T P V F C	GES <u>E</u> AQNAAGE <u>T</u> ETV <mark>C</mark> ARQINAV <u>I</u> DSFE	AFENAL
UniRef90_UPI0003B33531	KVLFC RPIVC	GETLDEREAGKLISAV LERQLIAAVFSAMF	ESLRGA
UniRef90_UPI0002485BDB UniRef90_V7F395	R P I V C	GETKAEREAGTALDV LSRQVAGSVPPSA	TPANTV
UniRef90_D6ZCQ8	TPIVO	GEGEDVREAGR <mark>H</mark> IA <mark>HC</mark> DSQLRASLLSEC	ELAKVV
UniRef90_A7XK09 UniRef90_A1AXX3	GVIAC TPLFC	5	(DWSR VV EAFKNII
UniRef90_F8DRZ9	T P I T C	DETMVQKEVNGEDHYVFQQLMLRGVSLC	QUKNVV
UniRef90_A4SJR1 UniRef90_UPI000305CA9E	I P I L C	GETKAEREAGDHVSYVVDQIRASLAGI GETKAEREAGTALDVLSRQVAGSVPPSA GEGEDVREAGRHIAVVTEQLDAYAKHVK GELLEDRESKQTLAVVTEQLDAYAKHVK GELLEDRESNNTKSVVSKQIQVVIDGIE DETMVQKEVNGEIHYVFQQLMLRGVSLI AESGAARQARRAFEVIAEELDIVIEKNM GETIAEREQGLTQEVLARQLLAVTSVGK GETLEIKEEKRTQEFVNHQVEKALINVS	MAFDNAI CQ <mark>C</mark> F <u>S</u> CV
UniRef90_U4KJT0	I PI L C	GETTAEREQGLTQEVLARQLLAVTSVGK GETLELKEEKRTQEFVNHQVEKALINV GETNEQRQAGETLGVLSRQIDGSVPASA	KEYLPI
UniRef90_A0A011UD60 UniRef90_UPI00045EAD38	VAI VC	GETNEQRQAGETLGVLSRQIDGSVPASA GEKEDQRDEGLTEQVLDTQLGLQDVHEA GELLEEREAGKAEEVCEAQIINCLADVS GEKLEEREQGSLYAVLERQLTAFFEARE	X T A A N T I X D M Q H II V
UniRef90_S6A998	EVILC	G E K E D Q R D E GLT E Q V L D T Q L GLQ D V H E K G E L L E E R E A G K A E E V C E A Q I I N C L A D V S G E K L E E R E Q G S L Y A V L E R Q L T A F F E A R F	AEHKVT
UniRef90_B8J003 UniRef90_S5T2P4	KTMLC TPIVC	5 E K L E E R E Q G S L Y A V L E R Q L T A F F E A R F S F P I D V R F A G D H V N V D O T R A S I S G I S A F	DGMR <u>LA</u> NLAKTV
UniRef90_W8JQ71	I PVLC	SETL VDKEEGRTQEVLSNQLVLGLSQL	ELSSII
UniRef90_A0Z555 UniRef90_A5EK22	NPVVC	GEPLDVREAGOHVNVDQTRASISGISAEGETLVDKEEGRTQEVLSNQLVLGLSQLEGETLVDKEEGRTQEVLSNQLVLGSLAQVGETQLQSLAQVGETQQQRDAGQTLDILRGQLNLSLPQGSGEQLSDREAGRTDAVVAEQLDAVLDGVA	OPCDNLV TAANLT
UniRef90_L0E0M1	V P I L C	GEQLS DREAGRT DAV VAEQLDAV LDGVA	AFERSV
UniRef90_A8DJG3	L P V V C	SETILIA EREAGAAILIQIV VIERQILIQAII IAILIT EIL	E <u>A_</u>
UniRef90_U7KLK5 UniRef90_K0C2B5	SPIVC TPVYC	BEPLAVREAGTHVDVNQTRNSLAGLSAE BETQEEYKSGATFDV <u>I</u> NDQVE <u>ALLN</u> NSV	EQLAKTV DLTQLV
UniRef90_L1ILQ4	L P I L C	GETKEEYESGLNTQI <mark>C</mark> ALQLA <u>LKGV</u> SKE GETLEQYESKQSKKIVEKQIKD <mark>C</mark> VKD GESLGLRDAGTYLDYIRAQVSAALLDAE	DAKKVT
UniRef90_UPI0003B6EA56 UniRef90_C7MND5		G E S L G L R D A G T Y L D Y I R A Q V S A A L L D A E	DLSKIV QVARLA
UniRef90_UPI00034905EF	V P V L C		K K E K L V
UniRef90_B0TWU2 UniRef90_A8LPW1	VPVVC	GETLEQRNAGATREVILRQVAAVLEEPA GESLEDRQGGRLEKVLTTQLSLILESIE GETEAERDAANTLAIIGGQLAGSIPDTA GETEAERDRGETLRVVADQVRGSMPAGS GETLAVRDAGRAEQVVADQLLASLPEGA GETLAVRDAGRAEQVVADQLLASLPEGA	EQLARVI ATGANLV
UniRef90_UPI000364D425	V A V I C	SETEAERDRGETLRVVADQVRGSMPAGS	STAENTV
UniRef90_Q1NBN4 UniRef90_UPI00037FE075	NVILC	GETLAVRDAGRAEQVVADQLLASLPEGA GENAEEKEAGITKDI LFRQI DEGLKELG	A A D W <u>L A</u> Q D Y <u>E</u> G D V
UniRef90_V6S0P8	RVIFC	GEELK DRQNK QHFNV VDT QLRLFHLGANGESLAERQQEKTQQVI ARQLDAVY ASQFGETLVQREAGTTLDVI DAQLAGSVPDCAGETLEERQKGLTFCVLEKQVRLYGINAEGETLEQRTAGRAEEVVAAQLTAALEGLD	Î A WVN L V
UniRef90_I1E241 UniRef90_A3V463		G	ELAKSV
UniRef90_H9UA75	T P FC	GETLEËRQKGLTF <mark>C</mark> VLEKQVRLYGIN <u>A</u> E	EVKRVV
UniRef90_D5WR89 UniRef90_UPI00036BA2F7	TPILC SAIIC		TGRRVV
UniRef90 Q1NKT3	VPV L	GETLAEREADRT MEVLAS QLRLAGISLO	D P R QL V
UniRef90_K6QDT9	VPVLC TPILC	BEDAAQRREGRIAAVVLGQVALAGLEPG	Q A A Q V V
UniRef90_S5LYV3 UniRef90_UPI0003674B8E	TPILC NVCLC	GETLEEREAGKLEAVISEQLEKGLATIF	DPECLA
UniRef90_W0SEG9	TPVLC	BESLAEREAGUTGEVVTRQIDAVLANVA	AFANAV
UniRef90_Q5P1F2 UniRef90_I0HZH3	T P I I	5 E S L	QVKQLI
UniRef90_UPI00036CAAA0	S P I L C	BEHLEDREKGNA <u>ELVVG</u> RQLEEALKGVE	ASDGLI
UniRef90_E4U8B8 UniRef90_X7F2Q2	V P I L C	5	TAENLV
UniRef90_UPI00047015D9	CPILC	BETLA QREAHETLIVITG QMEAVLLG A E	SFAKQV
UniRef90_UPI000376BC74 UniRef90_UPI0004668403	TPVLC TPVLC	5	A A L K N S V S A H R N A V
UniRef90_D0JAE8	HE LE	BETAFERNONOOFNI VKNOLKETVFH <mark>C</mark>	PETRFFY
UniRef90_J1YAN9 UniRef90_E0MKC7	T P V L C	5 E T E A Q Y D A G E A E SIV L IR K QIL IA A <u>IV IY</u> A S Q F 6 E T E A Q Y D A G E A E SIV L IR G QII IS N SII IP D G A	EEENTV
UniRef90_B6EPI8	T PV L	E E T L E E R Q K G L T F C V L E K Q V R L Y G L N A E E G L E G	ĀĒĒĢĀļ
UniRef90_T0C023 UniRef90_UPI0004147A88	TVIFC QPILC	5 E	JN S N K V I V E A A R V I
UniRef90_A0A059FB25	ŢPI I	SETAAERDSGKAI EVVTSMLRESLPTGA	GADSLV
UniRef90_Q28RL2 UniRef90_UPI00036768D3	I A I I C	5	NIPAQIIV FDIDANTV
UniRef90_UPI00046E7D3B	SPIVC TPVLC TPIVC	SESDAQNEAGETLAV <mark>C</mark> SRQLDAVIQSQE	ALNDAV
UniRef90_D0J1R0 UniRef90_E1WYL7	TPIVC KTILC	B E T A E R E A G Q T E A V V K R Q A A V I H Q V	GH <mark>C</mark> VSEV
UniRef90_R6T9X9		GEHLEERENNLTENIIKEQLDLEGLTKC	ĎĔŴĸĔĽV
UniRef90_A3ZAP5 UniRef90_P48493	I P I V C	GESDEQRSRGEAERVIRRQVEQGLEG L SETTEOREAGTTMEVVAAACTVALABVIS	JDPAKLV
UniRef90_C8P6V6	CPI VC	DDTMARRIAQII <mark>H</mark> WAVNRI LA DIIK GIISTE	D C K V T
UniRef90_G6EZF1	LPVVC	BETKEERESGKYKDVTASQIKGSLPENE	N GL
UniRef90_U6E3P6 UniRef90_UPI00035C6E4E	TPILC RPILC	G E S D E Q R S R G E A E R V I R R Q V E Q G L E G L E G E T L E Q R E A G T T M E V V A A Q T K A I A D K I E G D T M A R R I A Q I H WA V N R I L A D L IK G L S T E G E T K E E R E S G K Y K D V I A S Q I K G S L P E N F G E T L E T K E N N K T Q I F L E Q Q L T N T L K E V C G E T K Q Q R D Q G Q I E T V I F E Q L A K G L I G V T E A V Q L E S S N D H A H W I V N Q V S L K G V T E A G E T L E Q R K A G Q V E T V L K R Q L E S G L R D V F G E T L A E R E A G K T F E I L G R Q I R E G L G N I F G E T L Q E F E K D L V G A I C E V Q L K L A G I S A T G E T L Q E F E K D L V G A I C E V Q L K L A G I S A T	/DQSQLV
UniRef90_H1X6M8	MPI I A	DEAVQUESSNDHAHWI VNQVSUKGVTEA	DMANVM
UniRef90_C8X336 UniRef90_T0F7N6	GVILC TVIY	5 E T L E	SFSRIW
UniRef90_C6BUI8	S MI L C	SETI DERKAĞEVQKV İDEQLEAĞLKS DF	ĀPĒTVV
UniRef90_B7FSQ0	N V V L C	3 E T L Q E F E K D <u> L V </u> G A T <mark>C</mark> E <u> V </u> Q L K <u> L </u> A G T S A T	υ M S R V T

	170 180 190	200
UniRef90_Y0KHV2	I IS Y E PII IWAII IG T GILIA A T P E Q A K T M H A FII IR S KIL I IL IQS D A S II	E
UniRef90_A1WLP6 UniRef90_UPI0003B68C37	LAYEPVWAI GTGRTASARQAQAVHAVLRAQLG AASSIVAYEPVWAI GTGKNATAREAQEV <mark>C</mark> QAI RRFLSERFGDE <u>T</u>	H A
UniRef90_D3SFJ1	I IA Y E PIVIWAII IG T GIL IT A T P E Q A Q E IVIH A F II IR N R IVIA G R D P R II	Α
UniRef90_Q6MSF2	_! A Y E P WA G T G K <u>T A</u> T S S <u>D</u> A E E V <mark>C</mark> K Q L R N <u>N</u> L S K L Y D K N T	ΓA
UniRef90_B8C5E1 UniRef90_T0R5L7		I A S E
UniRef90_UPI0003147E29	V VY E P V WAI G T G L T A S P E Q A Q E V H A V L R S Q L K A A S S L	<u> </u>
UniRef90_C7XX29	V VY E P V WA I GT GL T A S P E Q A Q E V H A V L R S Q L K A A S S I S Y E P S W A V G V G Q R A N T A L A E E G C R Q I R R M I A D I Y T Y E I L A Y E P V W A I G T G K T A T P S Q A Q E V H N L I R N W L K S N Y S D K V	, A
UniRef90_B0VFR7 UniRef90_UPI000378237D	L	V_A D.S
UniRef90_UPI000464D587	I IA Y E PIVIWAII IG T G Q T P G P E QIVIA DIVI <mark>H</mark> A A M R R DIL I IE R F G E A	G
UniRef90_A0A059DYS4 UniRef90_A0NSY0	I A Y E P I WA I G T G E V A T P D Q I D E V H T A I R T R L A Q R F G A D G I A Y E P V WA I G T G L T P T T G D V E E M H K A M R D N L S A R F G S E G	G A
UniRef90_C0W1G7	_ I A Y F P I WA I G T G F V A T P F D A Q F V <mark>C</mark> A A I R V R I G F I Y D A D T	ΓΑ
UniRef90_UPI00036BDDC1	I A Y E P V W A I G T G L A A T P E Q V Q S V H K F I R S V V T K S N E L L	_ A
UniRef90_D2MMA1 UniRef90_E3BG27	I A Y E P I WA I G T G K S A D S N T A E A <mark>C C</mark> Q L V R E T V <mark>C</mark> G L Y D E P T I A Y E P I WA I G T G K <u>A</u> A T A E D <u>A Q</u> R I H A <u>S I</u> R A L I A E <u>Q</u> S Q S [
UniRef90_UPI0003B33531	I GYEPVWAI GTGKVAGPEEVLDAHAVTRALLKKLVG ET	ГΑ
UniRef90_UPI0002485BDB UniRef90_V7F395	I A Y E P V WA I G T G K V A S A A D A Q E V C H A V R G V V A E L A G E E T I A Y E P V WA I G T G L T P T A E D V A E A H A H L R Q K L A E A L G A A V	ΓΑ
UniRef90_D6ZCQ8	_ I A Y E P V WA I G T G R V A S P K D A Q E V <mark>C</mark> G A M R K A L A E I G G D H V	ΛA
UniRef90_A7XK09	I IAYEPIVIWAII IGTGII ITATPEQAQEIVIHASII IRN WII IKTKIVISQSA	<u> </u>
UniRef90_A1AXX3 UniRef90_F8DRZ9	VAYEPVWAI GTNVTATPQQAQDTHAFI RSMLAE YDADI VSYEPSWAVGYGQHANPVLAEEGCRQI RRTI ADNYTYEI	A
UniRef90_A4SJR1	I IA Y E PII IWAIVIG T G K <mark>C</mark> A T P E Q A Q E IVI <mark>H</mark> S F II IR G R IL IA E D T P IV I	G
UniRef90_UPI000305CA9E UniRef90_U4KJT0	VAYEPVWAI GTGKTASPEQVQEV <mark>H</mark> SAI RTLVAE FDTDL VAYEP <u>R</u> WAI GTG <u>K</u> NATAKE <u>A</u> SG <u>VI</u> THI REKI ASLYSKEL	A ر
UniRef90_A0A011UD60	I A Y E P V W A I G T G L T P T A Q D V A A A H A H I R A Q L G E K L G P	$\mathbf{Q}[\mathbf{A}]$
UniRef90_UPI00045EAD38 UniRef90_S6A998	_! A Y E P V WA I G T G K T A T P E L A Q <u>E A H</u> A F I R N <u>W</u> L S A H F N T L_V	√ A
UniRef90_B8J003	II IA Y E PIVIWAII IG T G K IVIA G P G E IVIR E A H G IVIT R A L L IE R F IVIG D S	_ა G
UniRef90_S5T2P4	LIAYEPIVIWAII IGTGKIVIASAADAQEIVI <mark>C</mark> AAII IRGII I IREII ITDEQT	
UniRef90_W8JQ71 UniRef90_A0Z555	I A Y E P T WAI G T G K V A S T T D V Q E A H V F C R Q V I S R I F S K E K V A Y E P I WAI G T G R T A S P V Q A D D M H G V I R Q R L Q E H F G A A	∖A G
UniRef90_A5EK22	VAYEPVWALIGTGETPTAKDVEQEHAFILRTELTERFNGEG	<u>3</u> Ă
UniRef90_L0E0M1 UniRef90_A8DJG3		/
UniRef90_U7KLK5	_ I A Y E P V W A I G T G K V A S A D D A Q E V <mark>C</mark> A A I R E L V K E L A G D E V	ÀÂ
UniRef90_K0C2B5	L A Y E P V W A I G T G L T A S P E E A Q K V H A F I R A L V S E R D V N A	A
UniRef90_L1ILQ4 UniRef90_UPI0003B6EA56		ΓS
UniRef90_C7MND5		
UniRef90_UPI00034905EF UniRef90_B0TWU2	I A Y E PIVIWALI Ğ T ĞIV VA SILE QIVQ E T H Q F I. IR SIL VIA K TÜD E NIL	_ A _ A
UniRef90_A8LPW1	V A Y E P V W A I G T G R V P S V D Q I G E V H D F I R A <u>R L </u> E Q <u>R F G</u> E G V	∕_G
UniRef90_UPI000364D425 UniRef90_Q1NBN4	LAYEPVWAIGTGRTPTPDDVAEVHAEIRKVAAEVLGD VAYEPIWAIGTGRIPTMEAVATMHAALRNALASRLGAE	G A A
UniRef90_UPI00037FE075	_ I A Y E P V WA I G S G K S A D P E <u>L </u> A Q E <u>V </u> H Q F I R H <mark>C </mark> L K E K Y G A A <u>F</u>	<u>-</u> s
UniRef90_V6S0P8 UniRef90_I1E241	L A Y E P V W A I G T G E T A T P E Q A Q E M H H F I R E T I Q H Q Y G S S V I A Y E P I W A I G T G E S A S P E Q A Q Q T H A F I R A H L A Q Y D A T A	
UniRef90_A3V463	I A Y E PIL WAIL G T G K V P T T D QIL A Q V H A H IL H A R L T A R F A D	G
UniRef90_H9UA75	I A Y E P V W A I G T G V V A T P E Q A Q E A H E F V R S L L A K I Y S D E V V A Y E P V W A I G T G R S A E A R D A G E M A A A V R R R L R D L A G P A	√A
UniRef90_D5WR89 UniRef90_UPI00036BA2F7	I IAYEPIVIWAII IGTGKTATIL IDDII IEQMHGHII IRKIVIYGQILL IGDKS	SA
UniRef90_Q1NKT3	VAYEPVWAII GTGKTAGPEQAQEAHQFVRGLLAELYQKNI	Ā
UniRef90_K6QDT9 UniRef90_S5LYV3	I A Y E P V W A I G S G T P A T P G D A Q A V A A A I R Q L V A R L H G P A A I A Y E P I W A I G T G K V A T P E I A Q N V C K E I R E I I K N L Y N Q E I	A A
UniRef90_UPI0003674B8E	IVIA Y E PIVIWAII IG I GKIVIA GPEEII VIEA HAII VIRAKILLIDII LI KGK	C A
UniRef90_W0SEG9 UniRef90_Q5P1F2	VAYEPVWAI GTGRTASPAQAQEVHALLIRARFAR DSADN IAYEPVWAI GTGRAASPEQVQELLSFVRRWLSGHVGNSF	v_A R A
UniRef90_I0HZH3	_	4 A
UniRef90_UPI00036CAAA0 UniRef90_E4U8B8	V A Y E P V WA I GT G K S A T P E V A E E I I S Y I R C S L A N I Y D E S L I A Y E P V WA I GT G K T A S A D D A Q A M A A A I R G F L A E R Y G E S V	_ A / A
UniRef90_X7F2Q2	I IAYEPII WAII IGTGRIVIAEPAQII IGEIVI <mark>H</mark> DAILIRARILIADRFGAGIV	ΖÀ
UniRef90_UPI00047015D9 UniRef90_UPI000376BC74	I IAYEPIVIWAII IGTGII IAATDEQAQEIVIHRAII IRGWII IEEK <mark>C</mark> GENA	A S
UniRef90_UPI0004668403	I IA Y E PIVIWAII IG T GIVIS A EII IA DII IO S T H AII I IR A OII IS D N GII IF	D A
UniRef90_D0JAE8 UniRef90_J1YAN9	II IA Y E PIVIWAII IG T G KIVIA T Y E Q A Q T M H E E II IR SII IE II IE R Y G E SIV	
UniRef90_E0MKC7	VIAYEPIVIWAII IGTGKTPSPDDII IREII IHAFII IREEILIAERFGG 📙	⊢ G
UniRef90_B6EPI8	_	V A
UniRef90_T0C023 UniRef90_UPI0004147A88	I A Y E P V WA I G T G V T A T P E Q A Q E T H A F I R K F I N E S L E L L V A Y E P V WA I G T G M V A T P Q T A Q D A A K A I R D D L R E T F G A Q V	√ A
UniRef90_A0A059FB25	I IAYEPIVIWAII IGT GNIVIATIVIE AIVIDEMHNAII IRESII ISDIVIEGAD	Ā
UniRef90_Q28RL2 UniRef90_UPI00036768D3	_ I IA Y E PIVIWAII IG T G KIVIA S A A D A Q EIVI <mark>C</mark> R AII IR DIL I I IEILIA G E DIV	/ IA
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UniRef90_R6T9X9	I A Y E PI WAI GT G R T A T A D V A D E T C G FI R K V I S K L Y D E E T	ΓĞ
UniRef90_A3ZAP5 UniRef90_P48493	VIA Y E PILIWAII IG I GK I CEASEANRII ICGII I IRS WWG	S
UniRef90_C8P6V6		/ A
UniRef90_G6EZF1	VAYEPVWALGTGVSAKNEDLAEVIHFLREKLVAQYGEN	Ŋ Ġ
UniRef90_U6E3P6 UniRef90_UPI00035C6E4E	I A Y E P V WA I G T G K T A T P Q D A N F T I K Q I R N K I A T L Y S P Q T I A Y E P I WA I G T G E T C E A N E A N R V I G Q I R S K L D N K L	
UniRef90_H1X6M8	II IA Y E P T A AII IG S G O A M S P E II IA O K S II IWII I IR O T IV IA D M E N O D IV	ΛĀ
UniRef90_C8X336 UniRef90_T0F7N6	I A Y E P V WA I G T G E V A Q D E D I R E A H A T V R G L L A D R L S A V A Y E P V WA I G T G K V A S P A Q A Q E A H S F L R K E I A G L F G T E L V A Y E P V WA I G T G E V A G E G E I V E A H G F V R E K L K K L F P E K I A Y E P I WA I G T G K V A T P E L A Q D V H A T C R Q L L V G M Y G E Q V	\neg^{A}_{A}
UniRef90_C6BUI8	VAYEPVWAI GTGEVAGEG <u>ETVEAH</u> GF <mark>V</mark> REKLKKLF PEK	<u> </u>
UniRef90_B7FSQ0	A Y E P WA G T G K V A T P E A Q D V H A T C R Q L V G M Y G E Q	/ A

	210 220 230	240
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UniRef90_V7F395 UniRef90_D6ZCQ8	GKMRII LIYGGSIVIKAS NAIVELLIGIVIKNIVIDGAL VIGGAS	S L K A D F L
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UniRef90_W8JQ71 UniRef90_A0Z555	E T	SIDPKFS SLEAKFW
UniRef90_A5EK22 UniRef90_L0E0M1	R M R I L L Y G G S IV K P S N A A E L M A IV A N IV N G A L V G G A S A G L R I L L Y G G S IV K A D N A A G L F A L P D I D G G L I G G A S	B L K A D F L B L D A S F V
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UniRef90_K0C2B5 UniRef90_L1ILQ4	DTILIBILIOVGGSIVIT PDSIVIDELI IMSK PDILIDGCIL VIGGAS	SLDPKFT
UniRef90_UPI0003B6EA56 UniRef90_C7MND5 UniRef90_UPI00034905EF	DAMRIVI IY GGS MK PENARGII I IA EADII ID GGII VIGGAS	S L K A E F V
UniRef90_B0TWU2 UniRef90_A8LPW1	K N M K I V Y G G S L K A E N A K D I L S L P D V D G G L I G G A S R S V R L L Y G G S V K P G I A A E I F A V S N V D G A L V G G A S	S L K A E F N
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UniRef90_UPI00037FE075 UniRef90_V6S0P8	QKTRILYGGSVSRKNA <mark>C</mark> ELLEKPDIDGLLVGGAS	S L D P E F L A L S A E F V
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UniRef90_Q1NKT3 UniRef90_K6QDT9	D G V R I L Y G G S V N A A N V D T L M A Q P D V D G A L V G G A S	S L D A S F E
UniRef90_S5LYV3 UniRef90_UPI0003674B8E	D Q L Q Y G G S V K P E N K D L E Q E D D G V L V G G A S N T T R V L Y G G S V K P E N A T Q I A L D N V D G V L V G G A S	S L V V D Y L S L K A E F S
UniRef90_W0SEG9 UniRef90_Q5P1F2	A G L R I L Y G G S V K A N N A A E L F G Q I D I D G G L I G G A S I R I L Y G G S V K A D S A A A L F S L P D S D G G L I G G A S	S L V A D F L S L V A Q F L
UniRef90_I0HZH3 UniRef90_UPI00036CAAA0	A A II R I L Y G G S T N E K N I G E I MA Q P D I D G A L I G G A S A K L P L L Y G G S V T A E N V L D Y V V K P N I N G A L V G G A S	SILIKIVE SILIDAKEN
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UniRef90_UPI000376BC74 UniRef90_UPI0004668403	ÄSTRI I YGGSI TPNNAADLFSOSNI DGGLI GGAC	GLEPEFI SLKADFL
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UniRef90_T0C023 UniRef90_UPI0004147A88	EGVRI LYGGSVKPSNVEDILISCRDII DGGILVGGAA	
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UniRef90_UPI00046E7D3B UniRef90_D0J1R0	SKVVI QYGGSVKAGNAAEL FAMPDI DGAL V DRVPL LYGGSMNAGNAAQL LAQADI DGGL I GGAA	ALKPDFL
UniRef90_E1WYL7 UniRef90_R6T9X9	QSVTILLYGGSSVKAPDNFFGLEVKPNILDGGGGAASGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAA	BLKADFM BLVAE
UniRef90_A3ZAP5 UniRef90_P48493	P D L	S L D P E F G S L K P E F I
UniRef90_C8P6V6 UniRef90_G6EZF1	N NIVIKIV LIY GGSVKPSNVKDLFALSELGGVLVGGVS	S L D S R F L S L I P E F L
UniRef90_U6E3P6 UniRef90_UPI00035C6E4E UniRef90_H1X6M8	VPI QYGGSVKPGNI DEI MAQPEI DGAL VGKAA	SLEPDFA
UniRef90_F1X6M8 UniRef90_C8X336 UniRef90_T0F7N6	A DI RI LYGGSVKPANCAQI LSLDNVNGVLVGGAS	S L Q A S F V
UniRef90_C6BUI8 UniRef90_B7FSQ0	N Ĕ Ī R I Ē L Y Ğ Ğ Š V K P A N Č A Q T T A T D N V D Ğ V L V G G A S N D T R I L Y G G S V S P E S V D G L L A K P D I D G A L V G G A S	S L D A E F S

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UniRef90_D3SFJ1	
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UniRef90_B0VFR7	E <u>M</u> V Q
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UniRef90_A0A011UD60 UniRef90_UPI00045EAD38	GIAEAYE EII <u>I</u> K
UniRef90_S6A998	PI
UniRef90_B8J003 UniRef90_S5T2P4	QIIGA RLIAAA
UniRef90_W8JQ71	R V <u>I </u>
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UniRef90_L0E0M1	A I VDAA
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UniRef90_UPI00037FE075	QI C
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UniRef90_Q1NKT3 UniRef90_K6QDT9	R I I R F Q R L V R
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UniRef90_UPI00046E7D3B	
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UniRef90_R6T9X9	_
UniRef90_A3ZAP5 UniRef90_P48493	R I A N Y Q DI I K A A E
UniRef90_C8P6V6	E I V N
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UniRef90_T0F7N6	GIL
UniRef90_C6BUI8	QI ALA
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UniRef90_UPI00047C9EDA UniRef90_K0TM27 UniRef90_A0A011PA94	A PLLY PVQLMIKQIK K PIGLGGQ NVH WEEK GAFT GEIST G
UniRef90_F8ES78 UniRef90_E3D0R7	CTPFPYLIPVKNILGSRIAVGAQNASEHEAGAYTGEVSSV CPSFTLIAPAIIGRQPDM TFGAQDCHYDESGSHTGCVSAP FPTALSLAAVQDALGDPVSLGAQNAHWEDHGAFTGEIGAP AAPFTNLAAFKENKVKELKLAAQDMSKQVKGAYTGEVSVE
UniRef90_I1A7E2 UniRef90_B7K1N5 UniRef90_F6DC21	A A P F T NL A A F K E N K V K E L K L A A Q D M S K Q V K G A Y T G E V S V E A P F T A L G T M S K S L H G G L I R L G A Q N L H W E D S G A Y T G E I A G A C P P S L Y V S A V Q Q L T S S S V K V G V Q N C D Q A G F G A Y T G E V S V D
UniRef90_UPI000309DDA8 UniRef90_I7L3B3 UniRef90_K2BX40	CPTFTALTMSKNLHGSRVRLGAQNVHWELSGAYTGELSGP AAQDLFLDMVRATEKSPIHVVAENVHWEDCGAYTGETSPK CPPFTVLHLF GAVPHGGQDLHWEKSGAFTGEVSAD
UniRef90_G2KVF3 UniRef90_P0C0J6 UniRef90_W7QS73	A A S P L F L E MI K H N A E S P L K I T A E N C F Y K N S G A Y T G E V S P L A P S F I S L S L I S K S L T K K L E I A A Q N L S Q F D S G A F T G E I S G K A P P Y V Y I G N M A N L R N S Q I M I G S Q N V S K F E S G A F T G E T S A Q
UniRef90_UPI00036BFF20 UniRef90_F2BDJ9 UniRef90_D2RJR4	APPFTAISTFSANTNKNL NI ASQNI HWEESGAFTAEISPR APPAVYL QQVRNAHNTI LPCAQDLSRFPGTGAYTGEISAA FPPFTALESVAAMVDEDI GYGAQDIFYEDEGSYTGAVSGP APFTSLVAMSKALHGSRI HLGAQNLHWEDSGAYTGEISGE
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UniRef90_A4TXN7 UniRef90_UPI0003B650E5 UniRef90_A0A013VJ13	PPFPLLGAVAAALAGSGVALGAQDCHAKVSGAHTGDTSPA CPPATLLEVVAAATKDSAVMVGGQDCHVATSGAHTGDVAAP CPPATLLAMADARKGGAFLGAQDCHSAVSGAHTGC
UniRef90_I2CCR5 UniRef90_U5QMQ9 UniRef90_T1WBL6	SPPSLYLSYVRDKLPAGIIGVAAQNCYKADKGAFTGEISPQCGPYTCLDILSANAGPY AVGAQNVHWENSGAYTGEIAPV AVPATLITAAWQAANA IHVGAQDIHAADKGAHTGCLSAP
UniRef90_B8KS04 UniRef90_L7YBP1 UniRef90_Q6PTG6	CTPYPYLATIAAV LPE VGVGAQDCSVNTEGAFTGEVSAAAPSFPFLHSNQLLQGSSLSLAAQNLFQMENGSYTGEVSASAPSPLYLPYVRGKLNSQLGVAAQNCYKVEKGAFTGELSPA
UniRef90_W5SU33 UniRef90_C5WDR6	APPLIYLDQAKCLENTDIELVAQNVDVNKNGSFTGDISAD
UniRef90_F0F269 UniRef90_UPI000412F9CF UniRef90_K8EQZ8	CPPAAFLSEVSQLIGSGVYLGAQNVTFENGGAFTGEMSCT
UniRef90_M2TDK0 UniRef90_H6UNT0 UniRef90_E3D9V6	A V P H T L I F A A Q M A D D S R L S V G G E D C H S A E K G A H T G C V S A P S P P A L Y L D Y T R S K L N S K I G V A A Q N C Y K T A K G A F T G D I S P A M P S F T S L R S V Q V L V E S P I L Y G A Q A V S V T A Q G A F T G D V S A D S P P T I Y L E Y V T S H E S P N I A V A A Q N C Y K A D K G A F T G D I S P S
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UniRef90_A5EUT5 UniRef90_I2CCR7 UniRef90_N9GGJ5	ALPSVLLDRAQKL GLNALAGQDVSAQVKGAFTGEISAS APPSLYLPLVREGLPPTIGVAAQNCYKAEKGAFTGEISPQ APISIALTQIKDAARPIYTVAQDVSRVAGIGAYTGEVSAE FPPATLLHLSQAVEGAHLLTGGQDCHGKSSGAHTGDVSAE
	F P P A T L L H L S Q A V E G A H L L T G G Q D C H G K S S G A H T G D V S A E S P P S C Y L S Y V K D R L P S M V D I A A Q N C Y K V A K G A F T G E I S P D C P P A T L I D R M Q S L A D S G V A V G G Q D C H A K P A G A F T G S V S A E
UniRef90_G2DL26 UniRef90_F0RMU5 UniRef90_D5EEI7	FPPATLLHLSQAVEGAHLLTGGQDCHGKSSGAHTGDVSAE SPPSCYLSYVKDRLPSMVDIAAQNCYKVAKGAFTGEISPD CPPATLIDRMQSLADSGVAVGGQDCHAKPAGAFTGSVSAE AAPTVYYLLQLHNAMNRILTTCAQDVSRFAGNGAYTGEVSAE LAPAINLPTLAAELPQSVAFGAQDISEHESGAYTGEISGA FPPFTSLYVGAEIVKKGIFLGGQNGFYEDKGAFTGEISLP AVPAPYLVSVGELKGSRLSLAAQDVSRFAGAFTGEISLP AVPAPYLVSVGELKGSRLSLAAQDVSAFTGEISPA CVPHPYLQAQARLAGTPIAYAQAQNCYKKASGAFTGDISPA CVPHPYLQAQAQARLAGTPIAYAQAQNMHWADDGAWTGEVSAP PPFTAVHQVAQILLETSVKVGAQNMHWADDGAWTGEVSAP VPATLVYLASEAASGSALKIGGETCHPAEKGAHTGDISAE APSHLALQPVSQINYRQFKLAQNFYWRDEGAFTGEVSAH APSAVYLDLTREKLNKAIGVAAQNCYKCASGAFTGDISPD
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UniRef90_B2IKQ0 UniRef90_F7YE29 UniRef90_I2CCT0	PPFTLLAAAASLCGSGIGIGGQDCHPEKKGAFTGDIAPPPFTAVRQVKQALSSTRVKVGAQNMHWADAGAWTGEISPVAPPACYLSYVRQNLPSTISVSAQNCYKVEKGAFTGEISPA
UniRef90_J8VBX3 UniRef90_A0A023D1T8 UniRef90_UPI000369A95C	F P P A L F I N Q V I D L A G K E I T V G A Q N S A Q P E Q G A L T G E V A P E C P P F T L L R V G R M I E G S V V R L G A Q D C R A E P K G A Y T G D V A A P P P F T A V R E V K K T L A D S S V K V G A Q N M H W D A A G A W T G E I S A P
UniRef90_Q6PTE3 UniRef90_C4ZKH5 UniRef90_S0FJC5	A P S A V Y L D L T R E K L N K A I G V A A Q N C Y K C A S G A F T G D I S P D C V P F T D L S A S K N L H G S R V Q L G A Q N I H WE E F G A Y T G E I S G P A P T L I H L A K V H E S L R K D F H V S A Q N F V A E S G A Y T G E V S V S F P P F T A L A A V A G A F A G Q F A V G G Q N F W P H G E G A F T G E I S P A P I S I A L L S V Q Q Q A H S P V K V V A Q D D L S Q M S G T G Y T G E V S A E V P P F P M V R D I K A L A D T S V K V G A Q N M H W E D A G A W T G E V S A P C P P S T L I R L G E A I K G A K L K I G A Q N C H I E P S G A F T G D I S S E C P P T L L A A A A S L C G S G I G I G G Q D L S A L R V G P Y T G D I S S E C P P T L L A A A A S L C G S G I G I G G Q D L S A L R V G P Y T G D I S P V A P P A C Y L S Y V R Q N L P S T I S V S A Q N C Y K V E K G A F T G E I S P A F P P A L F I N Q V I D L A G K E I T V G A Q N S A Q P E Q G A L T G E V A A P P P P F T L L R V G R M I E G S V V R L G A Q D C R A E P K G A Y T G E V S A P S P P A L Y L S Y V R Q N M P Q N V G V A A E N C Y K K A S G A F T G E I S P A C V P Y P Y L A Q A Q Q R P E G V A L G A Q D V S E Y A A G A Y T G E I S P A C V P Y P Y P Y L A Q A Q Q R P E G V A L G A Q D V S E Y A A G A Y T G E I S P A C V P Y P Y P Y L A Q A Q Q R P E G V A L G A Q D V S E Y A A G A Y T G E I S P A C V P Y P Y P Y L A Q A Q Q R P E G V A L G A Q D V S E Y A A G A Y T G E I S P A C C V P Y P Y P Y L A Q A Q Q R P E G V A L G A Q D V S E Y A A G A Y T G E I S P A C C V P Y P Y P Y L A Q A Q Q R P E G V A L G A Q D C Y P A P S G P F T G D I S A K C P P Y T H I L R K H D L P A E R I S L G A Q D C Y P A P S G P F T G D I S A K C P P Y T H I L R K H D L P A E R I S L G A Q D C Y P A P S G P F T G D I S A K C P P Y T H I L R K H D L P A E R I S L G A Q D C Y P A P S G P F T G D I S A K C P P Y T H I L R K H D L P A E R I S L G A Q D C Y P A P S G P F T G D I S A K C P P Y T H I L R K H D L P A E R I S L G A Q D C Y P A P S G P F T G D I S A K C P P Y T H I L R K H D L P A E R I S L G A Q D C Y P A P S G P F T G D I S A K C P P Y T H I L R K H D L P A E R I S L G
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UniRef90_A9UCL5 UniRef90_Z9JKA8 UniRef90_R6YW77	I P P F II I Y II IS DIL IA Q R F G F G II I T F G A Q N V IS H H F H G A Y T G F IV IA A A
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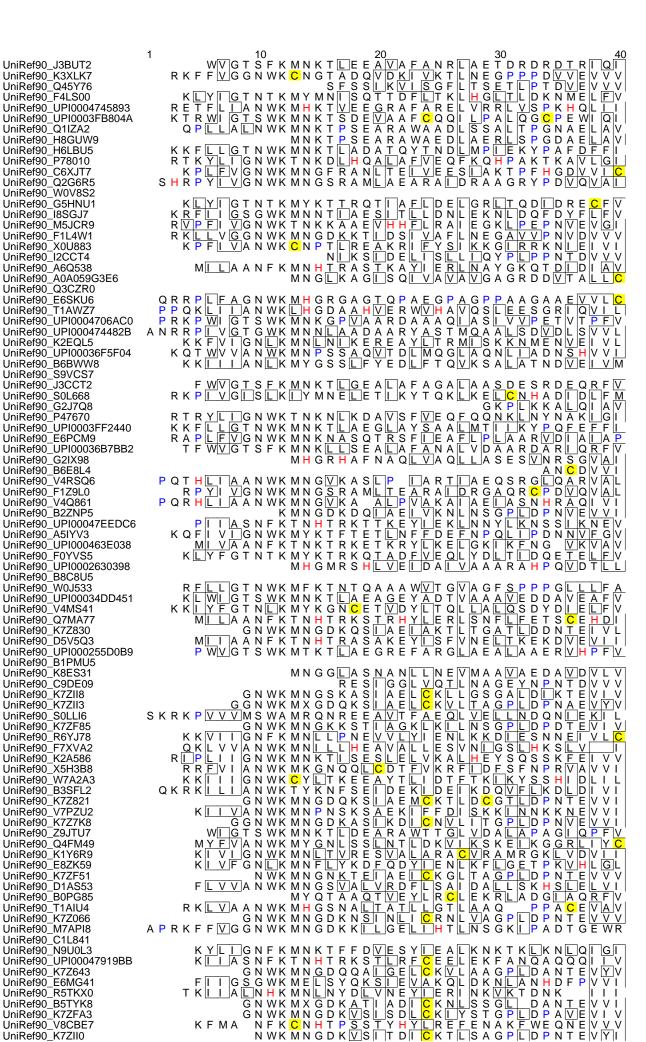
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UniRef90_	_B1VA75 _UPI0003B63D44 _F8LSQ7	N L V S L G V K Y V	Q N N L N A G V E A G L
	_D5BPF9 _E4PF39 _UPI000360A0C8	MIL R D S G A T MV L V G H S E R R S D H G E D D A L T MA K A N A A L ML Q E M G C R Y A L V G H S E R R L L F G E G N Q E V A A R Y R S V L ML K D F G C E Y V I I G H S E R A T A Y C E S D E N I A Q K F L Q A K	A H N L Q S G L Q Y G L
UniRef90_ UniRef90_	_UPI00047C9EDA _K0TM27 _A0A011PA94	MLKDVG <mark>C</mark> EYAII I GHSERRQYFLEDDAAI NRKVKKAII QLKDLGLEWVI LGHSERREGFGEDSKLVADKTKLAI MLKSMDVPYVI LGHSERRQYFGEDGKLLAKK <u>VDV</u> AL	D E G L K H G L
UniRef90_ UniRef90_ UniRef90_	_F8ES78 _E3D0R7 _I1A7E2	M L R	IANGL STSA SNGL
UniRef90_ UniRef90_ UniRef90_	_B7K1N5 _F6DC21 _UPI000309DDA8	M L T E	! R H G L]D K N L !K Y G L
UniRef90_ UniRef90_ UniRef90_	_I7L3B3 _K2BX40 _G2KVF3	A	R N G L T A G L N N R M
UniRef90_ UniRef90_ UniRef90	_P0C0J6 _W7QS73 _UPI00036BFF20	ML Q D L G T K Y V I I G H S E R R E I F K E K D E E L K N K I L Q A Q ML K E V G <mark>C</mark> E F <mark>C</mark> L I G H S E R R Q V F L E N N A S <mark>C</mark> H T K I S S T L ML I E H Q V K Y A I V G H S E P R K Y F S E S D E Q I N K R A I S A Q	KYDL SAGL LNGL
UniRef90_ UniRef90_ UniRef90	_F2BDJ9 _D2RJR4 _U5DHS0	M	A A G L R N D L D R H G L
	UPI00036DECC2 N1TUX2 A4TXN7	MI A E F G C Q Y V I L A H S E R R M L R L E S Y E V T A Q R L L R A L Q L K E I G V K V V L I G H S E R R Q F L G E S S F C N E K I R F L L L I K D V G C S A V I L G H S F R R T D H A F T D A Q V K A K A A A A H	E G G L K N G F A A G I
UniRef90_	UPI0003B650E5 _A0A013VJ13 _I2CCR5	ML A DI G A G Y V L V G H S E R R A D H D E S S T T I R L K A I A A H ML A E A G A S W T I V G H S E R R Q D Q N E T D G D V A A K A L A G K MI Q D G G V Q W V L L G H S E R R N D E G E S S E I L G E K V G E A L	DAGL AAGL TSGI
	_U5QMQ9 _T1WBL6 _B8KS04	MLTELGVLYAI VGHSERRQYFNETDATVNRRLKAAQ MVKDAGAVFTI VGHSE <mark>C</mark> RAGRQESDAEVRGKAEAAR MULADVGCRWSI VGHSERRQYHAESDAGVALKAVAVO	R H G L
UniRef90_ UniRef90_ UniRef90_	_L7YBP1 _Q6PTG6 _W5SU33	MLRSIGIHKÜILGHSERRKYFSEKNEILIKKIKIAL MLKDNGIDWAILGHSERRHVFGESDELIAAKVSHAL MLKDNGIDWAILGHSERRHVFGESDELIAAKVSHAL	KYGF SCGL
UniRef90_ UniRef90_	_W33033 _C5WDR6 _F0F269	ML K D	E V G L
UniRef90_ UniRef90_ UniRef90_	_1112 1 2 1 10	MADSLGVTHVIIGHSERRSLYYETDEDINKKIKVI MLVDAGATFTLVGHSERRTDQGETDAEVRGKAEAAR	E N D M
UniRef90_ UniRef90_	_E3D9V6 _H6UNT3	ML K D V G V L G H S E R S L Y F N E K N D V Q R Q K E N V L L H E A G A D X A L G H S E R R G Y G D S G Q R V L S Y Q M A D S L G V G H S E R R S L Y E T D D L N K K K V M L V D A G K A E A A R M K D V G C A W V L G H S E R R K Y H P E D D A N V D Q V R A V L M L K D V G A K W V L G H S E R R V F G E N D Q L G E K V A F A L M A K D C G C R Y A L G H S E R R M F A E T D D A A K A T A A Q M L M C G C R W V L G H S E R R M F K E T D D T S T G E F E V A M L K E F G G E Y V U G H S E R R L H G H D T D T S T G E F E V A M L K E F G G E F E V A M L K E F G G E F E V A M L K E F G G E F E V A M L K E F G G E F E V A M L K E F G G E F E V A M L K E G G G F F E V A M L K E F G G G F F E V A M L K E F G G G F F E V A M L K E F G G G F F E V A M L K E G G G G G G G G G	A A G M S Q G L
UniRef90_ UniRef90_ UniRef90_	_K0B337 _F7ZF33 _I2CCS6	MFAEIGASHVIVGHSERREGYGETDTDARAKATAAQ MLLDIG <mark>C</mark> RWVILGHSERRNIFKETDELVAEKVGFAL	A A G L S S G M
UniRef90_ UniRef90_	_UPI0003C138B9 _E0SA87 _A5EUT5	MIKEMGAEYVIIGHSERRWFGETSEVIAKKURNAR MIKEMGGEYVIIGHSERRWFGETSEVIAKKURNAR MLKMUGCQYCIIGHSERRQYHHEDEALLIEKWRRLK	SQGL
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UniRef90_	_Q45Y98 _UPI00037AAC13 _G2DL26	MLKDLIGIE WVI I GHSERRNVFGEINELIGEKVAYAI MLVDAGATVVI LGHSERRSAFGETDADVAAKVEAAV MMADIGVDLVL I GHSERSLYFGEKNELQRQKMENVL	A A G L N V G L
	_F0RMU5 _D5EEI7 _UPI00045E7FCE	MIL K DIVIGA R Y AII I VIGH S E R R E Y H G E T D A NIVIA A K A A Q A Q MIL K E T G <mark>C</mark> S H V L I G H S E R R H I M G E T D D L I H K K L Q A A L MIL A D V G <mark>C</mark> A Y V L V G H S E R R Q Y L K E E G D Q L R R K L L N V I	ASGL HHGL AAGL
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	_I2CCT0 _J8VBX3 _A0A023D1T8	M L K D L N L D W V	JS T G M A K G L A <mark>C</mark> G L
UniRef90_ UniRef90_	UPI000369A95C _Q6PTE3 _C4ZKH5	M L K D <mark>C</mark> N L D L V E L G H S E R R E H F G E T D E T V G L K V E S A V M I K D N D C G W V I L G H S E R R H V F G E T D E L I G E K V E H A L A A L A A C A C A C A A A C A A A C A A A C A A A A A A A A A A A A A	N H G L A E G L Q A G L
UniRef90_ UniRef90_ UniRef90_	_S0FJC5 _F7XYQ5 _UPI00036C30DD	ML A E F G C R Y A I V G H S E R R A L F G E E D A T V G R K A L A A L S L K E M A V K Y V E I G H S E R R T L F G E E D A T V N L K I G K A M M L K D C N L D I V E L G H S E R R E H F G E T D R T V N L K I G K A M M L K D C N L D I V E L G H S E R R E H F G E T D D V T V G L K V G A A V M L A D I G C R Y V L V G H S E R R Q Y F A E D N A A L S A K L Q A V V M L T E L G A R Y V I L G H S E R R Q N H G E T D A V I R Q K V K A A T M I K D V D C Q W V I L G H S E R R W V F G E N D K L I G E K V A H A L M L V D V G A H Y S L V G H S E R R E Y Y H E D S E L V A R K F A A A L M I K E L G I N W T I L G H S E R R L Y A N E T S L T C N Q K I H A C L M L K D V G A D W V I L G H S E R R A I F K E S D E L I A E K V E H A L L K D S Q I H W V L I G H S E R R E L L G D D L K I L K E K I K N A L M I K D C G A T W V V L G H S E R R H V F G E S D E L I G Q K V A H A L	LEHGL RHGL AAGM
	UPI00036CC7C6 _A9UCL5 _Z9JKA8	M L T	A A G L A S G L N A G L
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UniRef90_F8LSQ7	HLIPC	/ G E K L E E R E A G Q T D A V V Q R Q T K V I A D N V S D WS R V	V
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UniRef90_K0TM27		GEKKEEREAGTTMDV <mark>C</mark> AEQMAAEII LSEDEWANVI	S
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UniRef90_E3D0R7	R C L F C	GEKLEEREAGRILDVVAEQLDAVWQTVGELSSL GEKLEEREAGQTDAVVQRQTKVIADNVSDWSRV GETRNDREAGNAESVVLAQLQGSIPKAMDPARL GETLEDRESGRTGLIIEQQLQAVIDEVGAMANG GETLEEREAGVMELVVGKQLDLQLHSAAIFADS GETLEEKNLLQTEQVLSRQLFGALKG LDMSQL GEKKEEREAGTTMDVGAEQMAAEILSEDEWANV CGEPLEVRERNEHEALVCRQIEEALFHLNEEKKI GESRAAHASGQALPIIGAQLDGGIPTDATSESL	Ă
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UniRef90_K2BX40 UniRef90_G2KVF3	TPIVC	/ R S V E V T P A L V G K D E T M G V D N G D H F S W V S Q V T A Q Q V S E D A A K L	ľ
UniRef90_P0C0J6	I P V F C	/GESLLEFEAGLTKKVI ISQI NA TKSVLNFQKA]
UniRef90_W7QS73 UniRef90_UPI00036BFF20	MPIIC TPIVC	GENAQQHELIGLITKHILIYRQLIHESILLGQNILKGQQ	J!
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UniRef90_UPI0003B650E5 UniRef90_A0A013VJ13	A A V V C G V I L C	/ G	A
UniRef90_I2CCR5	QVIAC	GEQLEEREAGNTNSVVATQIKALATHVQDWSRV	V
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UniRef90_L7YBP1	H I I F C	GETALEREKNEQFLIVKKQLEETVFHCEELSYF][
UniRef90_Q6PTG6 UniRef90_W5SU33	KVIAC KLILC	GEKLDEREAGKTEEVVFRQTKALKEAVSDWSKV	V
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UniRef90_UPI000412F9CF UniRef90_K8EQZ8	KLVLC TPVFC	/ G	
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UniRef90_E3D9V6 UniRef90_H6UNT3	QPILC NVLPC	GETEEERQARKTQEVOITQLESIFEGISILEDA GETEEERQARKTQEVOITQLESIFEGISILEDA GESLKEREDGREKEAVAYQLSVF	V
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UniRef90_N9GGJ5	Ť <u>v</u> i Ŷč	GESLEQREQGLAEQVVLQQI <mark>C</mark> DI APVVQQWKNV	V
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UniRef90_Q45Y98 UniRef90_UPI00037AAC13	KVIAC EPIVC	G	<u>V</u>
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UniRef90_F0RMU5 UniRef90_D5EEI7	TPIVC TPVLC	/ G E G L D V R E Q G E <mark>H</mark> V A	V 11
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UniRef90_G1CW51	SVI AC	GETILE QREAGKTEEVIJFEQLKAI LANLID WS RI	V
UniRef90_E5ASV0 UniRef90_M9RPL3	TPIVC TPLIC	/ G E T L D E K Q A G Q T D S V K A Q L A A V L D D E T D V A R L G E T L B D R E A G R A O D V T A O V R A K L D S N T H D A O L B D R E A G R A O D V T A O V R A K L D S N T H D A O L B D R E A G R A O D V T A O V R A K L D D E T D V A R L D D E T D V A R L D D E T D V A R L D D E T D V A R L D D E T D V A R L D D E T D V A R L D D E T D V A R L D D E T D V A R L D D E T D V A R L D D E T D V A R L D D E T D V A R L D D E T D V A R D D V A R D D V A R D D V A R D D V A R D D V A R D D D V A R D D D D D A R D D D D D D A R D D D D D D D D D A R D D D D D D D D D D D D D D D D D D	v L
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UniRef90_Q45YB9 UniRef90_UPI000373D697	T PII L C	GETKQQRDADETESILITNQIIKTDILVIDIVNQF NI	V
UniRef90_A0SZ86	T A I A C	GETLQEREENKTNEVTTRQLQAYANVIKDWDKV	V
UniRef90_S7VCY4 UniRef90_N8X4Z7	S MV L C TVI Y C	G E K L E E K K A K K V E E V L D K Q L E L V P A A R E F A N R L G E S E O R E T G O A E O M V L O O C A A V V V K A G O W L N L	IA V
UniRef90_Q162J0		GETLEEREAGRAKEVLAAQVSAALARVTGSAPV	Ľ
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UniRef90_F7YE29	A A I L C	/ GETEAERES GEADAN LAKONEQFFEEEVKGATI	Ĺ
UniRef90_I2CCT0	KVIAC	GEHLSEREAGKTEEVVAAAQLKAUTAHUSNWSNV	M
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UniRef90_S0FJC5	V P I F C	AGEELQEKEKNLAKELLSLEI KNALHGYADAKKI	ľΙ
UniRef90_F7XYQ5	I PLIC	GETLSEREAGRARDV LERQVRGALGSDQKHKPL	L
UniRef90_UPI00036C30DD UniRef90_UPI00036CC7C6	V P V L C	/ IGETILIA Q KEA G Q WA W VII G Q QILIE A LIA A LIK G Q HYI	V
UniRef90_A9UCL5	SVIAC	GEKEEEHEADQTEEVVYKQTKAIADNVTDWSRV	V
UniRef90_Z9JKA8	R PI LC	GEEL L SEREAGG R T E E V A R Q G A T A F K D W S K V]L
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UniRef90_K6VII6	K I I Y C	/ G E S L E Q R E A G Q A A Q V V L Q Q C D T A E V V Q Q W Q N T	M
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UniRef90_C1DL89	IAYEPVWAI	GTGETASPEQAQA V HRH I RA LL GE A
UniRef90_B1VA75	IAYEPVWAI	G T G K T A S P Q E A N Q T L K Q L R E K V T N L Y S A Q V V
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UniRef90_F6L5Q7	VAYEPVWAI	GTGKTATPQQAQEVHAAL RTWL SENVSPQVA GTGLVPSSEDIAAMHENI SSWL SSAFPNRGD
UniRef90_E4PF39	VAYEPVWA	G T G K T A T P E Q V S E V <mark>H</mark> Q Q I R Q F L A K S A A D D I S
UniRef90_UPI000360A0C8	ISYEPIWAI	IGIGILAASPAQAKAMHKFII IHQKII IEN ILIDKDAA
UniRef90_UPI00047C9EDA	IAYEPVWAI	GTGQSATADLAEQTHAYIRSVLKQLVG HRA
UniRef90_K0TM27 UniRef90_A0A011PA94	I A Y E P V W A I	G T G L T A T P E M A Q E T H A N I R Q W V A A N V S Q K V A G T G K T A S S Q Q A Q D M H A V I R K H L A G K Y G Q A V A
UniRef90_F8ES78	VAYEPII WAII	GTGHTPPPEN AEMHAS RDR L C LLL GSE G
UniRef90_E3D0R7	V A Y E P V WA I	GTGKTASDGDAEEG <mark>C</mark> GY R H L V ADRYGQETA
UniRef90_I1A7E2 UniRef90_B7K1N5	I A Y E P V W A I	GTGKVATPELAQEV <mark>C</mark> KFIHEL TS GTGDT <mark>C</mark> EASEANRVIGLIREQLTN
UniRef90_F6DC21	I A Y E P I W A I	GTGKTASPEQAQAIVIHAFII IRNIL LIAQH DTAIVIA
UniRef90_UPI000309DDA8		IG T G D T C D A Q E A N R IV I IGIV I IR S Q L IT N P
UniRef90_I7L3B3 UniRef90_K2BX40	L A Y E P T WA I	G S G E A A S A D Q A Q K A A H L I R Q T L A K L Y S P V I A G T G N A A T P E H A Q D L H S Q I R K L V G
UniRef90 G2KVF3	IAYEPSWA	G T G H S A S T A E A E E G <mark>C</mark> Y L I R Q T L A D I Y S D E V A
UniRef90_P0C0J6	IAYEPIIWAII	GTGKTATAAII AEKIVI <mark>C</mark> GIII KENEGK
UniRef90_W7QS73 UniRef90_UPI00036BFF20	I A Y E P I WA I	GSGKAATPESVQEVHEYIFNEL <mark>C</mark> TÜFDEESA GTGK <u>T</u> CEAVEANKLCKLIRNLVGY
UniRef90 F2BDJ9	I A Y E P V WA I	GTGKVANKEQIAQMHHFIYNEVLSF GNSG
UniRef90_D2RJR4	V AYEP V WA I	G S G K S A E <u> V R</u> D A <u> V </u> A <u>A A</u> D L I R K A V A E K F G K E A A
UniRef90_U5DHS0 UniRef90_UPI00036DECC2	I A Y E P I WA I	GTGDT <mark>C</mark> DALEADRVIGIIRKQL DN GTGQ <u>H</u> ASPQQAQS <u>M</u> HAYIRQLIAT <u>R</u> APD <u>F</u> A
UniRef90_N1TUX2	L A Y E P V W A I	IGTGQIVIATPAQAQEIVIHAFII IRKEII IAGILIFASKIVIA
UniRef90_A4TXN7	IAYEPVWAI	IGTGRIVIATPEQAQEIVI <mark>H</mark> AAII IRAEILVIKILI IGESEA
UniRef90_UPI0003B650E5 UniRef90_A0A013VJ13	I A Y E P V W A I	GTGRTASVAEVAKVHAAIRAELVERF EDG
UniRef90_I2CCR5	IAYEPVWAI	GTGRIPTMEAVATMHAALRAALASWIGDE A GTGRVATPEQAQEVHSFLRKWLSDNVSSTVG
UniRef90_U5QMQ9	VAYEPI WAI	IG T G K T C A PIVIE A N RII I IGIL I IR E HIVIG Q
UniRef90_T1WBL6 UniRef90_B8KS04	VAYEPI WAI	GTGRSATGDDIAAMHAAL RET <mark>C</mark> RAALGPA G GTGETATPEQADEMHGVIRQVLVELYG E <u>S</u> G
UniRef90_L7YBP1	I A Y E P I WA I	IGTGKTATSEEAQTMHRYII IRSILIFILIDKYGEKIVIS
UniRef90_Q6PTG6	L A Y E P V W A I	GTGKTATPDQAQEV <mark>H</mark> ASLRKYLTDNVSADVA GTGRTATKEE <u>A</u> QEV <mark>H</mark> KAIRLEIESLYSKS <u>A</u> A
UniRef90_W5SU33 UniRef90_C5WDR6	L A Y E P V W A I	GTGRTATKEEAQEIVHKAI RLEI ESLYSKSAA GTGK <u>S</u> ATPSEVQKTHKFI RNYI <u>S</u> S <u>I</u> DFNIS
UniRef90_C3WDR6 UniRef90_F0F269	VAYEPVWAI	GTGKSATPSEVQKTHKFIRNYISS IDFNIS GTGKVATKEQIADMHQFIYNEILSLCGND
UniRef90_UPI000412F9CF	VAYEPVWAI	GTGKTATPAQAQE V HAF RQWLV QRFGAA A
UniRef90_K8EQZ8	I A Y E P V W A I	GTGLTATPALAQSVHKLIRNWIAEKYSKSVA GTGRTPTTADLAAMHDSIRSALTERFGAAG
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UniRef90_E3D9V6	IAYEPVWAI	IG T G MIVIA T A Q S A Q D A A K A II IR D D IL IQ E T F G D T IV IS
UniRef90_H6UNT3	L A Y E P V W A I	G T G K T A T P E Q A Q E <u>V</u> H Y Q L R Q <u>W</u> L <mark>C</mark> K <u>R V </u> S S D <u>V</u> A
UniRef90_R8B3S7 UniRef90_F7ZF33	V A Y E P V W A I	G T G K T A T A D D A Q A M H Q S I R G V L R N L G A P A G T G K P T M D E L A E V H Q A L R A N L D A L G Q T G A
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UniRef90_UPI0003C138B9	LAYEPVWA	GTGK PTMDE TAEV WAAL RANL IDALGQTGAGTGRAATPEHAQNVLSFLRGHLE LDAELAGTGKLPTNDQLREV VSNVKKW GESVG
UniRef90_E0SA87 UniRef90_A5EUT5	A YEPVWAI	IGIGKAAIPDYAQHIVIHQMII IRQII VIAQNY ASII IA
UniRef90_I2CCR7	IAYEPVWAI	G T G R T A T P E Q A Q E V H L F L R K W L S D N V S A T I A
UniRef90_N9GGJ5	I A Y E P I WA I	G T G K T A S <u>P</u> A D <u>A Q</u> A M <mark>H</mark> A K I R E G L <u> K Q L </u> T <u>S</u> S
UniRef90_Q9A733 UniRef90_Q45Y98	VAYEPVWAI	
UniRef90_UPI00037AAC13	IVIA Y E PIVIWAII	IG T GIL IT P T IL ID QII IA E IV IH A A IV IR A A II V IA K IL IG N G IV I
UniRef90_G2DL26 UniRef90_F0RMU5	V A Y E P V W A I	G T G K T A T A E D A E E M A A A II D E A II L S L C G D D V
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UniRef90_UPI00045E7FCE	VAYEPVWA	GTGKVASLEQLEEVHHELKAECLRRL KGS
UniRef90_G1CW51 UniRef90_E5ASV0	I A Y E P V W A I	G T G Q S A T A Q Q A Q C Q V H K S L R Q F L T D N A S S D L A
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UniRef90_UPI000373D697	I A Y E PII WAII	GTGLTATPEQAQEVHAQLRKWLKDNISADVS GTGDTCECKEANRVIGLIRSLLSNP GTGKVATPQQAQQVHADLREWLRKNVSEEVA
UniRef90_A0SZ86	IAYEPVWAI	GTGKVATPQQAQQVHADLREWLRKNVSEEVA
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UniRef90_UPI00036CC7C6	V A Y E P V W A I	G S G L T P S H E E L Q R K L S L I R A L L P M R L M T D D G T G K T A S P S O A O E W L D D I D T WILL K E NIVE S S W A
UniRef90_A9UCL5 UniRef90_Z9JKA8	VAYEPVWAI	GTGKVATIEQIDEVHKQILDVVLQCYGASGSGITPSHEELQRKLSLIRALLPMRLMTDDGTGKTASPSQAQEVHDRLRTWLKENVSSSVAGTGRHADPGQVQAMHAFIRGEIAKQDATISGTGKNASEELAEDVCGYIRSLVAEMFDQETA
UniRef90_R6YW77	IAYFPVWSI	G T G K N A S E E LA E D V C G Y I R S L V A E M F D Q E T A
UniRef90_K0G5I6	$I \mid A Y \in P \mid V \mid W A \mid I$	GTGKTATPDQAQEVHAYLRKWLVDNVSKQVS GTGKTASAADAQAMHEKIREAL <mark>C</mark> QIT PLG GTGKTATPQQAQEVHEKLRGWLKSNVSDAVA
UniRef90_K6VII6 UniRef90_L5M8B4	I A Y E P I W A I	GTGKTATPQQAQEVIHEKII RGWII KSNIVISDAVIA
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	210	220 230 240
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UniRef90_P0C0J6	N <u>T </u> M V I Y G G S V N S K N <u>L</u> N E	L VIS Q K S I D G A L V G G A S L D P E F G L L A M P N V D G L L V G G A S L D P E F S
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LINIDATON INCODE	A E T R I I Y G G S V N A S N C T T	LAAQSDV
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UniRef90_K6VII6 UniRef90_L5M8B4	SNILAII LIYGGSIVIK PENAVEI OCTRILIYGGSIVITGANOKEI	L A A C P D N G A L V G G A S L N A E F H
CITIL COLOU_EGINIOD+	w <mark>w</mark> i Niji ji U U U Jiyi ji U M Ni <mark>U</mark> N E j	LIVIO GIEVIO GRUFRED

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UniRef90_K2B	X40	KILNA	
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UniRef90_P47670 UniRef90_UPI0003FF2440 UniRef90_E6PCM9	I P P F T A V R D V K A L K D T S V K V G A Q N M H W D D A G A W T G E I S P L F P S M G T L R V G Q C L S N S S I E F G S Q N I A F M E N G A L T G E F S V E C V P F P Y L A Q T Q T L L N S C I A W G V Q D V S A H A Q G A Y T G E V S A A A P V Y V H L T E I K K I I S D S L L L F A Q D A N F I E S G S Y T G T V S F T I P P Y T H L W K I K E A Q K S P L K L G A Q N M H E Q D S G Q F T G E I S P L P F T A L A A A A A L A A S S R V A L A A Q T M S E Y G E G A Y T G E I S A N I P P F T A Q R S V K S L K G T S V K I G A Q N M H W D D A G A W T G E I S G A N I R C T S V K I G A Q N M H W D D A G A W T G E I S G A N I R C T S V K I G A Q N M H W D D A G A W T G E I S G A N I R C T S V K I G A Q N M H W D D A G A W T G E I S G A N I R C T S V K I G A Q N M H W D D A G A W T G E I S G A N I R C T S V K I G A Q N M H W D D A G A W T G E I S G A N I R C T S V K I G A Q N M H W D D A G A W T G E I S G A N I R C T S V K I G A Q N M H W D D A G A W T G E I S G A N I R C T S V K I G A Q N M H W D D A G A W T G E I S G A N I R C T S V K I G A Q N M H W D D A G A W T G E I S G A N I R C T S V K I G A Q N M H W D D A G A W T G E I S G A N I R C T S V K I G A Q N M H W D D A G A W T G E I S G A N I R C T S V K I S L L G G C V K I A A Q D M H W D D A G A W T G E I S G A N I R C T S V K I G A Q N M H W D D A G A W T G E I S G A N I R C T S V K I S L L G G C V K I A A Q D M H W D D A G A W T G E I S G A N I R C T S V K I S L L G G C V K I A A Q D M H W D D A G A W T G E I S C A N I R C T S V K I S L L G G C V K I A A Q D M H W D D A G A W T G E I S C A N I R C T S V K I S L L G C T S V K I A Q D M M H W D D A G A W T G E I S C A N I R C T S V K I S L L G C T
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UniRef90_V4Q861 UniRef90_B2ZNP5 UniRef90_UPI00047EEDC6	APPFPELAL LRE ETSNI GI GGQDCHTAAKGAHTGDVSAA FPPATL LPLMSQLEGSSVQLGGQDCHHMDVGAFTGDVSAA GVPSI YVAFVRSI LTETI GVAGQNCWKVAKGAFTGEI SAE LVFPTSTSFDSFYTVSSLEI GAQNAYCTNNGSFTGEI GLE APSQCNLTAYFTNRVPELKLCSQNMSKNEEGAFTGEVSAR
UniRef90_A5IYV3 UniRef90_UPI000463E038 UniRef90_F0YVS5	A P S Q C N L T A Y F T N R V P E L K L C S Q N M S K N E E G A F T G E V S A R F P P Q S A L F E D K V V G A Q N A Y P T V S G A Y T G E I G L E L P S F T A L D T A A R A A G R L R I G A Q N M G W E E R G P F T G E I S P L
UniRef90_UPI0002630398 UniRef90_B8C8U5	CVPFTLIAAAAELAGD FTIIGAQDVHENDFGAHTGCVSAQ VGAQQVYYEDKGAFTGSVA <u>A</u> S
UniRef90_W0J533 UniRef90_UPI00034DD451 UniRef90_V4MS41	I P S F P S L V P V R A L V S H H L Q I G A Q N V H WA P E G E F T G E V S L P I P S H T A I A T V A E R L G R W F R V G A Q N A H W Q D S G A W T G E V S M P I P S Y [A L H A A A S E T T H K [L I G A Q N M N A K D K G Q F T G E I S P L
UniRef90_Q7MA77 UniRef90_K7Z830 UniRef90_D5V5Q3	FLFPPPL ALDFFDDIGGV <mark>C</mark> I GTQNAYPAPSGAFTGEVGSE GCPFIYI SYARELFPAKFSI AAQN <mark>C</mark> YKVPKGAFTGEVSPA FPTATALDNYET NPNLTI GTQNAYSVNKGSFTGEI G <u>T</u> Q
UniRef90_UPI000255D0B9 UniRef90_B1PMU5	I P P H T A L A A V A E L D G S G V V V G A Q N A H WE D A G A W T G E V S V P
UniRef90_K8ES31 UniRef90_C9DE09 UniRef90_K7ZII8	CVPAPYLSACQQLHGSRIRLGAQDVSQHASGAYTGEVAAY SPPSVYVSLVRQAIRPEIAVAVQNCYAAAKGAFTGETSPQ GCPAVYITYARSLLPESIEVAGQNSYKVSKGAFTGEVSPA GVPAPYLIYVRSLLPSSINVAAQNCYKVEKGAFTGEISPA
UniRef90_K7ZII3 UniRef90_S0LLI6 UniRef90_K7ZF85	GVPAPYLIYVRSLLPSSINVAAQNCYKVEKGAFTGELSPA LPSMAMLYVSKVLWNTNIHLGAQNISAYASGAYTGEYSIE GCPALYLAYARELCNKNISVAGONCYKVASGAETGELSPA
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UniRef90_B3SFL2 UniRef90_K7Z821 UniRef90_V7PZU2	LPS MAMLY VS KVL WNT NI HL GAQN SAYAS GAYT GEYS LEGCPAI YI AYAR ELCNKNI SVAGQN CYKVAS GAFT GEIS PAVPYVDI PYAS NI VNDT NI YVGAQN MYS REEGPYT GEIS VKCPS FI YI PT LVDAFK KLDFGAQD CSAND LGAYT GEVAAA SPPYT ALNKVAELKDS FI SVGAQD LF WEES GAFT GAIS APAPPAVY LWHMGNLIST PLR LGAQD CAVGDNAANT GDLSAR SPFI PYL LQKIEENNSKI FACS QDVS AS GFGAFT GETT ATCPS YI HLQS AKLKDFEV FVGSQN LCSSESNANT GEVLAS GIPAI YI MYARNLLPCNI GVAGQNAYKVSKGAFT GEISPACPPYPFLFIKNKLKDKKI KLGSQD VFFEKEGS FT GEVSSSGCPAI YLPYT RKLLPKTI SVAAQN CYKTAKGAFT GEISPALPS FTATT TVRALQDS PVL LGVQNAHWEDAGAWT GEVSVPPPNT LISSFAKKFNN CQIGI GI GGQN CHESKDYGHT GHVN SR
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UniRef90_K7ZF51 UniRef90_D1AS53 UniRef90_B0PG85	CPPFTVMSAFNSGCPS VKUGAONCFSGASKGATGEUSAK
UniRef90_T1AIU4 UniRef90_K7Z066	I P S Y T A L Y P A R D R M G S Q I L L G A Q N M G W E E Q G E Y T G E I S P L F P P F P Y L A Q A V H L A R G A V G I G A Q D L S A H A Q G A Y T G E V S G A G C P A V Y I E Y A R S L L P Q E I G V A G Q N A Y K V P S G A F T G E L S P A G G K G E D R E A C P H L P D P Y D T P D S D V L S L C P A
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UniRef90_R5TKX0 UniRef90_B5TYK8	GUPAH IYH I IYAKSH I PSSIVIGH A GUNUYKIVAK GAFI GFH ISPA
UniRef90_K7ZFA3 UniRef90_V8CBE7 UniRef90_K7ZII0	A C P F V Y I S Y T R T L L P C S I G V A G Q N T Y K I R S G S F T G E I S P A F P P F V A L Q S A I D S A K N V K I G T Q N A Y P A Q S G A Y S G E I G E Q G C P A P Y L L F A R E S F P K N I A I A G Q N A Y K V A K G A F T G E I S P A

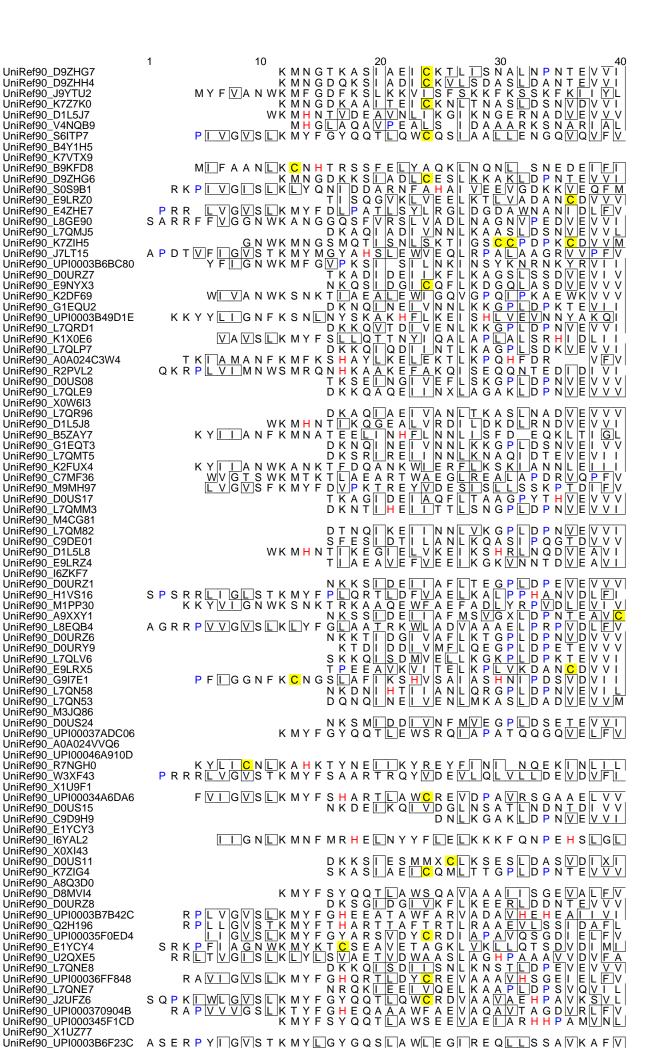
	00 400 440 420
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UniRef90_K3XLK7 UniRef90_Q45Y76	MIL VINILIGIVIP WIVI LIGHSERRAILLIGESNEFVIGDKVAYALISQGILI MILLIDVIGAEWIVI LIGHSERRAILIFGENDKI VAEKVOYALISSHIVI
UniRef90_F4LS00	MLKELGVQLVQI GHSERRLIFKETDVEENKKVLCALRHNF
UniRef90_UPI0004745893	LIHEAGARWVIVGHSERRNLFGETDALIGQKVAQAFEAHL
UniRef90_UPI0003FB804A UniRef90_Q1IZA2	MILIR DIVIGA SIL VIETI IGH SERRELIF NESDH TIVINILIKUH A ALIE QGILI MILIR DIVIGA TYIVI VIGH SERRTYH A ETDAVVIA A KARQAQA A GIL
UniRef90_H8GUW9	ML VDVGTRYAVVGHSERREYHGESDAVVAAKARQAQQNGL
UniRef90_H6LBU5 UniRef90_P78010	MILIK EII GILIDII I IEILIGH CERRQYFN ET DETVINILIK TILIA AILIKH GF OILIO DILIKIVIN SIVILLIGH SERRKYEN ET A OIVI IN OKILIK A CILIO A GM
UniRef90_C6XJT7	KWKDLGAGYVI VGHSERRAYYQEDNKAVKAKSKAVLRAGE
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UniRef90_G5HNU1	MLEEVGVRVI CIGHSERRHIFGEDDEVENKKVLAALRHNF
UniRef90_I8SGJ7 UniRef90_M5JCR9	MIL REILIG <mark>C</mark> T Y VIEL IN H Q E R R A Y F N E N N E II T NIL IK II LIT A L IK F G L AII A DII G V N G A II V G H Y E R R K M E K E T N G T V G II K V A A A I R N G I
UniRef90_F1L4W1	MI K DL GLH WVI I GHS ERRHÜF GESDELI A EKV VHAI ESGL
UniRef90_X0U883 UniRef90_I2CCT4	MILIK NILIG <mark>C</mark> K YIV I VIGH SERRGY FEET NEMVIN RKILIK TAILIK ENILI MILIDIVIK AEWVI VIGH SERRNWEGET DELLISEKIVIGHALITWIGI
UniRef90_A6Q538	QLQEFGIETVLLGHSERRHIFYESQEMI ARKFAFYKERGF
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UniRef90_E6SKU6	MLRELIG CRYVIVGHSERRQLLIGETDALILIRKILEAALAGGL
UniRef90_T1AWZ7 UniRef90_UPI0004706AC0	MAFEAGARYAL VIGHSERRRLIFGETDQVVA <mark>C</mark> KVEQSMRAGL
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UniRef90_S0L668	100
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UniRef90_UPI0003FF2440	ML A ELGVDLIEL GHSERRQYFNESDEAVNRKARAAL KHGF
UniRef90_E6PCM9 UniRef90_UPI00036B7BB2	MLAEFQVSYVILGHSERRLYQHESDLAIGAKVRAALAAGM MLVD <mark>C</mark> GLDLVELGHSERREF <u>F</u> GETDETVGLKVESAVRHAL
UniRef90_G2IX98	MLADVGCRYVLVGHSERRQYLGEGSEALSLKLRNALAAGL
UniRef90_B6E8L4 UniRef90_V4RSQ6	ML
UniRef90_F1Z9L0	ML A DÜG A DÜV I VGHSERRRDHGET DAI VKAKAEAAL A A GL
UniRef90_V4Q861 UniRef90_B2ZNP5	QLRDAGATMVILGHSERRHGHLEP <mark>C</mark> ELVARKVKAALRAGL MIKDVGAEWVILGHSERRTIFGEKDELIAEKVAHALEAGL
UniRef90_UPI00047EEDC6	
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UniRef90_F0YVS5	MI E E T G A S L V M A G H S E R R H G L G E T D E E E N K K V L C A L T H H L
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UniRef90_W0J533	MLQDLPVDLVEIGHSERRHKFGETDEDVNRKTLATLAAGL
UniRef90_UPI00034DD451 UniRef90_V4MS41	Q V K D A G A T M V E G H S E R R T H F H E T V E T T R F K V E S A L R H G L M L K E L G V Q L V M G H S E R R H V L K E T D Q E E N E K V L S A L K H G F
UniRef90_Q7MA77	QLEELALQTILIGHSERRGILGESQAF <mark>C</mark> AEKFRYYASLGY MLKD <u>VGS</u> NWVILGHSERRHVFNEPDDLIAEKAAHALA <u>E</u> GL
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UniRef90_K8ES31	DLKVGYVVLGHSERREMFAETDESVNKKTIAAFEHGL MLREFACQYVIVGHSERRSYHAEVSEIVAAKAKAALLAGL
UniRef90_C9DE09 UniRef90_K7ZII8	MALDIGAS WAI LIGHS ERRHVFGETDOLLIAOKVKFALDS GV
UniRef90_K7ZII3	MLKDVGANWVILGHSERRQIFKETDELIGEK <mark>C</mark> AHALEEGL LIKDTGASWVILGHSERRQIFKESDELIAEKVEHALAAGL
UniRef90_S0LLI6 UniRef90_K7ZF85	SL LD K G D Y V E L G H WE R R Q Y F H E T D T T I N K K L R L T L E K G L M L K D N G A D W V I I G H S E R R H F G E T D E L I G E K T A H A L A E G L
UniRef90_R6YJ78	MLKS KTDYVLLGHYERKLYFNETEEEI NKKLTLALKYNI
UniRef90_F7XVA2 UniRef90_K2A586	MLYELG <mark>C</mark> KYVIIGHSERR <u>LS</u> CGEDNQTVGRKLVKALESKI MLKD <u>A</u> GAEYVIIGHSERRQLF <u>N</u> ETDS <u>T</u> VNKK <u>L</u> KAALKHNL
UniRef90_X5H3B8	MLREVGCSYVLVGHSERRSLHCESNKLIGMKAGSALHSRV
UniRef90_W7A2A3 UniRef90_B3SFL2	LIKQFGNKYTIIGHSERRRGFGETLEETAQKVHNAVQSKL MLTDVGCQYCILGHSEVRERNNESSNIIASKVQIALKNSI
UniRef90_K7Z821	MLTDVGCQYCILGHSEVRERNNESSNIIASKVQIALKNSI MLKDCGANWVILGHSERRQIFQESDELIAEKAEHALAEGI
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UniRef90_Z9JTU7	QAKDAGAQLVEI GHSERREHFGETVETTRLKVAAALRHGL
UniRef90_Q4FM49 UniRef90_K1Y6R9	MLKNIGAHFVIIGHSENRK QGESDKLINLKIKSALEAKL QLADLSVKYAIIGHSERRA LGETDELISEKVKSAFNQNI
UniRef90_E8ZK59 UniRef90_K7ZF51	QLADLSVKYAIIGHSERRA LGETDELISEKVKSAFNQNI QLASLNVPATLIGHSECRQLSQNSF VISNKIKSAFNQNI MLKDLGADWVIIGHSERRQLFGETDELIAEKVAHALAEGL
UniRef90_D1AS53	MLRECCCDYVILGHSDRRSAFGEGNSDLRLKAESAIGEGL
UniRef90_B0PG85 UniRef90_T1AIU4	MLAEAGARLVMIGHSERRHTFHETDAQAEKKVRCALDHGFMLHEIGARWVLVGHSERRQYHHENDALIAAKLQRAMECGLMLKDVGATWVILGHSERRQIFGETDELIAQKVVHALEQGLMIKDIGATWVILGHSERRQIFGESDELIGQKVAHALAEGL
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UniRef90_N9U0L3	VALETKI DELLIGHSERRSLENETNÖLINKKITHLOKTKI QLEEFGLQTLLIGHSERREILKESQSFCAEKFDFFAKRGF
UniRef90_UPI00047919BB UniRef90_K7Z643	QLEEFGLQTLLIGHSERREILKESQSF <mark>C</mark> AEKFDFFAKRGF MIKD <mark>C</mark> GAGWV <u>L</u> IGHSERRHIFKESDELIA <u>E</u> KVEHALATGL
UniRef90_E6MG41	ML LDVGCE YVEI NHQERRKYLHEDNQMANLKLKAALRNGL
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UniRef90_K7ZFA3	MLKDVG ANWIIIGHSERRNVENETNDLIGEKCAHALAEDE
UniRef90_V8CBE7	MLESIGIKTVLIGHSERRNILGESQEFCAKKVRYFLDKGY
UniRef90_K7ZII0	MIL K DIVIGAE WIV I LIGHSERRQII FKESDELIIGEK <mark>C</mark> AHAIL AEGIL

		130 140 150 160
UniRef90_J3BUT2		GETLQERQAGQADDVLRRQVEKALEGDVEPAPIL
UniRef90_K3XLK7 UniRef90_Q45Y76	KVIAC KVIVC	G E T L E Q R E A G S T M D V V A A Q T K A I A E K K D W S N V V G E L L P E R E M G R T E E V V S R Q I A A V A A L V S D W S N V V G E T I E Q K E K G I S D E I L K I Q I K M G L D T P E Q A K N I W G E S L D D Y R S G Q T F A V I T R Q I E A I F P Y T N P E K S L V G D S L E E K R W G V S L E S I V R Q V K I A L H S P E Q L A R V W G E S L D V R E R G A Q V D F T L D Q L R G S T E G V G E N L I G E G L D V R E R G E Q V P Y T L T Q L A G S L E G V G E D V V G E K S E D K N Y G V S K E M L A K Q L K I A L K D V P S D K Q F W G E T E G Q P I S F L K E D L T Q V L Q G I D L S L L K Q L V G E S L E E R K A G K T L E I I S A Q I D G C I P D E A Q S A P I A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A G K T L D Q R D A G K A F A V V S S Q V D G S I P S P F T A G K V A F A V V S S Q V D G S I P S P F T A G K V A G T T T T T T T T T T T T T T T T T T
UniRef90_F4LS00	TPLLCI	GETI EQKEKGÜSDEL LKÜĞI KMGLDTPEQAKNI W
UniRef90_UPI0004745893 UniRef90_UPI0003FB804A	RPILC V	
UniRef90_Q1IZA2	TIPL VCV	GESLDVRERGAQVDFTLDQLRGSTEGVGE NLI
UniRef90_H8GUW9	TPI VCV	GEGLDVRERGEQVPYTLTQLAGSLEGVGE DVV
UniRef90_H6LBU5 UniRef90_P78010	I PLICI LVVLCI	GEKSEDKNYGVSKE <u>ML</u> AKQ <u>LKI ALKDVPSDKQFW</u>
UniRef90_C6XJT7	VPIICI	GESLEERKAGKTLEI ISAQIDG <mark>C</mark> IPDEAQSAPIA
UniRef90_Q2G6R5 UniRef90_W0V8S2	DIIVCN TPIVCF	GETLDQRDAGKAEAVVSSQVDGSLPSPETAGKVA GETLAQREAGQTGAVVQAQVGALLAALEDVAKIV
UniRef90_G5HNU1	TPLLCV	'IGET DGOKAEGILIENEIVI IRAQILIKILIGILIWGPEQAGNILIW
UniRef90_I8SGJ7 UniRef90_M5JCR9	KPIL <mark>C</mark> L TPIIAI	GEELSEREV <mark>HIFLQEQMAEM LKDVSH</mark> GDVTKII AEDTTRYDDIEMPPLTEIAVALAGIDRKQADKIV GEKLDEREAGKTKEVNYRQIQALVDKKVDWSKVV
UniRef90_F1L4W1	EVI FC	GEKLDEREAGKTK <u>EVN</u> YRQLQ <u>ALVD</u> KKVD <u>W</u> SKVV
UniRef90_X0U883	RPILCV KVILCV	
UniRef90_I2CCT4 UniRef90_A6Q538	KVILCV TIYYCL	' G
UniRef90_A0A059G3E6	VPIICN TPIICO	GEKLEERKAGIMQDI VIKQLSACLDKINDWSKVVGETLQTRKKG FEALRELLQSQLEGIDTAYENFVGESLEEREGGRTLERIESQLAGSIPEGIGAADFVGESLETYEAGKAVEFVGAQVSAALLSEEQVSSLV
UniRef90_Q3CZR0 UniRef90_E6SKU6	TPIICO VPILCN	G E S L E T Y E A G K A V E F V G A Q V S A A L L S E E Q V S S L V
UniRef90_T1AWZ7	V P V V C I	GEDAAQRREGRTAAVVQAAHALAGLDGEQAARVVGETAEERRAGQTERVLARQLEGLGAIGGASLQALGDSADEYAYGVTHETLARQMKIALHTSDQIGTVL
UniRef90_UPI0004706AC0 UniRef90_UPI000474482B	RPLICI SPIICL	G E S S E D K D L G R A D E A L S L Q L V L S G L A P T H L Q H I V
UniRef90_K2EQL5	RPILCI	IGETREEKDSDOTMKII VIADOII IKII IADII IDSSKII IKNIVV
UniRef90_UPI00036F5F04 UniRef90_B6BWW8	SVIYCI RPILCV	
UniRef90_S9VCS7	YVIACI	GETL QREAGNEKKV VQTQLETI LSNGPEFTDV GETL QQREAGQTAKV V LTQL QALASKKEAWSKI V
UniRef90_J3CCT2 UniRef90_S0L668	T P L I C I R P V L C I	G E S L A Q R E A G E A D D V L A A Q V Q G A L E G N A K T S P I L G E S M H E K D Q V K A H L K K Q L I V D L S G V T P E E L T E L V
UniRef90_G2J7Q8	T PV V CV	GET <u>R</u> AERDAGRA <u>E</u> RTVKRQLQLDVLT <u>A</u> KQ <u>A</u> AQLV
UniRef90_P47670 UniRef90_UPI0003FF2440	QVVLCI TPLICI	GEAL GQEISFLKTDLTNCLDTIDKIKNLV GEQQADKDYGVSKEMLAKQLKIALPAAAIGQFWI GESLAVREEGNAVAHVLAQLEGALGELSDDRQVV GETFVERESGLADAVV KAQVEGRLQGEAKNADI L GETLAEREADRHLAVIREQLSV LDGVDGGPVV GETLDQRQAGLTIPV LSRQLADSVTSDLKGQAFH GETLDQRQAGLTIPV LSRQLADSVTSDLKGQAFH GETLDQRXANKTAEVVTRQLRDSVTSDLKGQAFH GETLDERRAGGAEAVVGGQVDASLPEAAALGKLS GETLDQRKANKTAEVVTRQLRDSLPDDLAGNAFH GETLEEREAGQTEDVVFRQTKALLPAIDTNWENV GEPLEVKNQG LEKLLEYIFEQFIGIDINYSNLI GESKEDRDAGRTEANIHKQLQ I LDEVNIHKVI GEFLEIRKKGI EAVVEYLKEQLIW
UniRef90_E6PCM9	KPILA	GESLAVREEGNAVAHVLAQLEGALGELSDDRQVV
UniRef90_UPI00036B7BB2 UniRef90_G2IX98	I P L I C I	GETFVERESGLADAVLKAQVEGRLQGEAKNADIL GETLAEREADRHLAVIREQLSV LDGVDGGPVV
UniRef90_B6E8L4	TPILC	GETLEQRENGTTNAVVGAQIKADLEGLSKEEK <u>VV</u>
UniRef90_V4RSQ6 UniRef90_F1Z9L0	EPIICI GVIICV	GETLEQRENGTTNAVVGAQIKADLEGLSKEEKVV GETLDQRQAGLTIPVLSRQLADSVTSDLKGQAFH GETLDERDAGQAEAVVGGQVDASLPEAAALGKLS
UniRef90_V4Q861	ŢĎi ĹĊľ	GETLDQRKANKTAEVLTRQLRDSLPDDLAGNAFH
UniRef90_B2ZNP5 UniRef90_UPI00047EEDC6	KVIACI KLVYCI	GETLEEREAGQTEDVVFRQTKALLPAIDTNWENV GEPLEVKNQG LEKLLEYIFEQFI GIDI NYSNLI
UniRef90_A5IYV3	TPITC	GESKEDRDAGRTEAAIHKQLQ ILLDEVNIHKVI
UniRef90_UPI000463E038 UniRef90_F0YVS5	E I F Y C I K V L L C I	GESKEDRDAGRTEAAIHKQLQ I LLDEVNIHKVI GEPLEIRKKGI EAVVEYLKEQLIGIDLEYEKLI GETKEEKEQETAREVLALQLKKGLASVKKEQEIW
UniRef90_UPI0002630398	GVILCO	G
UniRef90_B8C8U5 UniRef90_W0J533	KPILCI TALVCI	IGELGAERDSGRAILLAROILDAAILRGIVILPEHILISRILL
UniRef90_UPI00034DD451	V P L L CI	IGEPAETRDRGHT <mark>C</mark> SYII QARGA L AG L QRQE L AQ VL
UniRef90_V4MS41 UniRef90_Q7MA77	KTLLC TIFYCI	GETLEQKNYQI SDEVLRTQLKI GLHSVKQLPHLF
UniRef90_K7Z830	NV I A CI	GETLTEREAGKTEQVVASQMAAYAKTIKDWKNVV
UniRef90_D5V5Q3 UniRef90_UPI000255D0B9	K L V Y C I	G
UniRef90_B1PMU5	TPLLCV TPIVCO	GETLEERESGKTFDLVAGQVALAGLTEEQVKATV
UniRef90_K8ES31 UniRef90_C9DE09	TPIICN KVIFCI	IGETLEQREAGUT DLVVGAQLDAALLSEELARSVI GEOLOFREAGUT T DVVVIT OMFAVV LIDIJAAWT NILV
UniRef90_K7ZII8	K V I A C I	GETLEEREGGKTEAV VANQMIHLSKHIKDWINV V
UniRef90_K7ZII3 UniRef90_S0LLI6	KVVACI KPILCV	GEVEQTSDFEELESFLYLQLDLYEVKKEDLETLV
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UniRef90_R6YJ78 UniRef90_F7XVA2	KPIVCI TPVICI IPVFCV	GESLEVRNQGSTLEHLFKQLEEIGISRNK KFV
UniRef90_K2A586 UniRef90_X5H3B8	IPVFC V MPVICV	GETLQERESGQVNTVIETQFGLIDITPEDMTKLV
UniRef90_W7A2A3	KVI LCV	G D D Y Q N E N R P F T S S K T R K L L S L Q A I P K D D M Q N I I
UniRef90_B3SFL2 UniRef90_K7Z821	I P I V C V	GETLELREKSDYLKFLINQTSLPQVSGIEDKDI I
UniRef90_V7PZU2	K PI LC	GET DRDH NGFYLSLIKSQUELKDVTKNQUKNII
UniRef90_K7Z7K8 UniRef90_Z9JTU7	KVIACI TPLLCI	GETILQEREAGKTEEVVFRQTKAILAGAILKDWTNVV
UniRef90_Q4FM49	KVIEC	GETÜSEKRKKKTRSI LSKQÜKIĞLKNÜKNKSNI E
UniRef90_K1Y6R9 UniRef90_E8ZK59	MPI LCV EIIYC	GEEKLINKAKAEQSVLAQLIQSALISKTRĒRKGTKII T
UniRef90_K7ZF51	KVI ACI	GETLQEREAGQTETVVFRQSKALANQIKDW
UniRef90_D1AS53 UniRef90_B0PG85	T P I I C V	IGETLQERHSGMSGDV LVEQ <mark>C</mark> DE <mark>CC</mark> PKYGEFT
UniRef90_T1AIU4	TPI ICN RVLLCN TPVLCN KVIACI	GETÜDERERGÜTESVIAT QMQTPLHÜLGERFAGV
UniRef90_K7Z066 UniRef90_M7API8	KVIACI GVIACI	GETIL QEREAGUTEAV VIFROMKAFAD GEKLIDEREAGUTEKV VIFROTKV LADNIVIK DWS PW V
UniRef90_C1L841	SVVAC	GETLSERESGKTEEV CVRQLNALAKSI DEWKRVV
UniRef90_N9U0L3 UniRef90_UPI00047919BB	MPILCI RICYCI	GESMQEFNENKTFEVLAKQINEGLKNIENHSNLI GESOEVIKKOGI FAVLEFIESOFFGIALDYPULI
UniRef90_K7Z643	KVVACI	GETÜDEREĞGKTEQLVAQQMKATAQK_
UniRef90_E6MG41 UniRef90_R5TKX0	K P F L C I T P I I C \	GEEEKG NQNQTENFI SSQLKEL LNTIPKFTNII
UniRef90_B5TYK8	KVI ACI	GETLQEREAGQTETVVFRQTKAIADAIKDWTNVV
UniRef90_K7ZFA3	KIIVCV EVVYCV	' G
UniRef90_V8CBE7 UniRef90_K7ZII0	EVVYCV KVAACI	GETLEEREACQTNDVVARQMCVLSKHIKDWSNVV

	470 400 400 000
UniRef90_J3BUT2	170 180 190 200 L A Y E P V W A I G N G P A T A D Y A
UniRef90_K3XLK7	VIA Y E PIVIWAII IG T G KIVIA T P D Q A Q EIVI <mark>H</mark> A SIL IR D WIL IKII INIVIS P EIVIS
UniRef90_Q45Y76 UniRef90_F4LS00	I A Y E P V WA I G T G K T A T P E Q A Q E V H S Y L R K W L S E K V C P D V A I A Y E P V WA I G D G P A S K E Y A N E K H K V I K D T L I E L F G E T L G
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UniRef90_UPI0003FB804A UniRef90_Q1IZA2	I A Y E P V WA I G Q G I P A S A E E A E S G L A A I R A G V R Q C F G E A C A V A Y E P V WA I G T G K T A T A D D A E E L A A A I R E A L A G L Y T A E A
UniRef90_H8GUW9	VIAYEPIVIWAII IGTGKTATADDAEEIL IASAII IREAIL IRERYGNA A
UniRef90_H6LBU5	VAYEPVWAIGNGIPAETPYVKKIHDFLRTVLIELYGP LG IAYEPIWAIGTGKTATPELANNTLAQIRVYLSELYNKELA
UniRef90_P78010 UniRef90_C6XJT7	IVIG Y E PIVIWAII IG S GIL IT P T IL IE E II IS E A H KIV I IR E A IL IH K K II IG D K A
UniRef90_Q2G6R5 UniRef90_W0V8S2	VAYEPVWAI GTGRVAAVEDVVTMHAAI RARLVALYG ESG LAYEPVWAI GTGQTATPDMAQEVHAMVRA LVVQKNAVAA
UniRef90_G5HNU1	II IA V E DIVIMA II IGIVIGII ID A DIVIS V A N E K H TIVI I D E TII IE EII IV G K E T G
UniRef90_I8SGJ7 UniRef90_M5JCR9	FAYEPRWAIGKALAAPATHIKMVHGIIREVLSENYGALAA TAYEPAWAIGASEAPTMDVIEHAAKVIRASLAILFTQEVA
UniRef90_F1L4W1	
UniRef90_X0U883 UniRef90_I2CCT4	I TYEPVWAI STTKLATPLEAKQGALFIRKLLAKLFDKNFT I AYEPVWAI GTG <u>E</u> TATPSQ <u>A</u> QE <mark>VH</mark> NYLRG <u>W</u> LTE <u>KVSP</u> EVG
UniRef90_A6Q538	I IA Y E PIVIWAII IG T GIVIA A K P E EII IE EIV LIA Y ILIA SILIT D A
UniRef90_A0A059G3E6 UniRef90_Q3CZR0	I A Y E P I WA I G T G K V A S T E Q I G E V H G A I R A W L S G R F G P D A A I A Y E P I WA I G T G K S A T Q D D A Q N M C K A V R D V V A A D F G Q A V A
UniRef90_E6SKU6	I IA Y F PIVIWAII IG S G T P A T P A D A Q AIVIA A AII IR GII I I F RII I <mark>H</mark> G P AIVIA
UniRef90_T1AWZ7 UniRef90_UPI0004706AC0	WIYEPVWSI GTGTPATAESI LEAASFI RAHVVSSDATIHA LAYEPVWAI GKGKAAEPHFVGVAHTRLRRVLCELIGEENA
UniRef90_UPI000474482B	LIAYEPRWAII IGIVITEAASPSYIVIAGRHRHILIRAIVLIAERFGRDAA
UniRef90_K2EQL5 UniRef90_UPI00036F5F04	I A Y E P I W S V G T D M V P A S N E I M S A K L L I K K I L H E L V G K K F A V A Y E P V W A I G T G L T P T F D E V A N V H H F L S E L L S T F K M P A
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UniRef90_S0L668 UniRef90_G2J7Q8	I A V E PIVIWA II G O E K A A S A S V IVI <mark>H H</mark> IVI <mark>H</mark> E MII IR NII I IT D H V G H S II IA
UniRef90_P47670	I IA Y E PIL IWAII IG T G K T A T P EIVIA N Q T II IK T II IR E Y II IN DIL IY D E NIVIA
UniRef90_UPI0003FF2440 UniRef90_E6PCM9	A T E PIVIWAII IGIVIA G I P A A A A TIVIE EII I <mark>n</mark> D F ILIR RIV L I ID R T G P 3 G A
UniRef90_UPI00036B7BB2	L A Y E P V W A I G K G I P A S S D Y A D A R H A K I S A A A Q A V L G
UniRef90_G2IX98 UniRef90_B6E8L4	VAYEPVWAI GTGKVASLEQIDEIHREIKAE <mark>CL</mark> RRL KGS VAYEPIWAI GTG <u>KT</u> ATNEQ <u>AN</u> ETIA <u>A</u> I RGILAEMFGKEVA
UniRef90_V4RSQ6	V SYEP V WA I GTG LV ASDAQ IL EAFA LI REH L DKHFGT
UniRef90_F1Z9L0 UniRef90_V4Q861	LAYEPVWAIGTGRVAAVEDVIAMHASIGARLVAAFGDA AVSYEPVWAIGTGLIASDAQLCEALGLVRTWLSERFPN
UniRef90_B2ZNP5	VAYEPVWAIGTGKTASPQQ
UniRef90_UPI00047EEDC6 UniRef90_A5IYV3	LAYEPVWAIGTGVTATNEDIEKI <mark>H</mark> SAIKEKISK IAYEPVWSIGTGITPT <u>P</u> EEVENVSALI <mark>H</mark> KL TS
UniRef90_UPI000463E038	V A Y E P V W A I G T G V S A K L E Q I Q E T H K E I R K F
UniRef90_F0YVS5 UniRef90_UPI0002630398	I A Y E P R WAI I G T G K T P T L D E L A T M H A L I R A K L R G M L G A S A
UniRef90_B8C8U5 UniRef90_W0J533	I A Y E P V W A I G T G L V C E A D K A N D V H K F I R S V L E K M Y D K E V A V A Y E P V W A I G Q G E P A T P D Y A A S R H A L L R A L L A A R F G D A A A
UniRef90_UPI00034DD451	I A Y E P R WA I G A G R P A R G E E L A G P F A A L R S E Y G G V V A
UniRef90_V4MS41 UniRef90_Q7MA77	
UniRef90_K7Z830	V A Y E P V WA
UniRef90_D5V5Q3 UniRef90_UPI000255D0B9	LAYEPVWAIGTGVTATTEDIKSVHSVIKSKL VAYEPIWAIGQGRPATVPELEEPFAALQGEFGS
UniRef90_B1PMU5	<u>l</u>
UniRef90_K8ES31 UniRef90_C9DE09	V A Y E P V W A I G T G K T A T P E Q A Q E V H A Q L R Q W M A A N L S V E V A
UniRef90_K7ZII8	V A Y E P V W A
UniRef90_K7ZII3 UniRef90_S0LLI6	I A Y T P I WA V N K S K A A S A P H I H L V C G M I R K V L A K M F D L A S A
UniRef90_K7ZF85 UniRef90_R6YJ78	I A Y E P V WA FIYE F V F S I G T G N A L D K N E I L D K K L I Q N I L C E K Y D E K F
UniRef90_F7XVA2	I IA Y E PII IWAII IG S GIVIT P SIVID EIVIK AII IF N KII IK G A Y P Y
UniRef90_K2A586 UniRef90_X5H3B8	I A Y E P V WA I G T G K T V A Y E P V Y A I G T G L V P S V E I L E A V L L I K D A V G
UniRef90_W7A2A3	VAYEPVYALGTGLVPSVEELLEAVLLIK DAVG LALEPSFAVGTGKPGSADFLNTCYWDLKRNLAEEVDTQTR
UniRef90_B3SFL2 UniRef90_K7Z821	I A Y E P I W S I G T G K V P S I E Q I E E V I S A L K S I P G L V A Y E P V W A
UniRef90_V7PZU2 UniRef90_K7Z7K8	I A Y E P L WALGKNREAT P Q E F LE LK L F LK K L S L LY G P K L V L A Y E P
UniRef90_Z9JTU7	I A Y E P I WAI G K G R P A T V E E L R E P F A A L A E A Y G D R V A
UniRef90_Q4FM49 UniRef90_K1Y6R9	I A Y E P V W A I G S G I I P K S Y D L F K T I L E F I K S K F R D I A Y E P A W A I G T G N S A R V E D V A A M H K V L R D E A Q Q K G
UniRef90_E8ZK59	I A Y E P I S S I G T G Q A M D P S G A D S T L L K I R D L I A D K Y G R K V A
UniRef90_K7ZF51 UniRef90_D1AS53	TAYEPVWATGGSTTPDLGTTKESFDTT ASHS
UniRef90_B0PG85	VGYEPVWAI GVGVPAPAEYVEEKHRMMRETLMELFGQAGA
UniRef90_T1AIU4 UniRef90_K7Z066	VMY E PVWALGT GRT A S A VQ A Q A VH A F H
UniRef90_M7API8	LAYEPVWALGTGKTATPQQCRRY
UniRef90_C1L841 UniRef90_N9U0L3	V A Y E P V W A I G T G K V A S P G Q A Q E V H N F L R K W F K T N T P S G V D I S Y E P V Y C I G N G I I P E V S H I Q K V I D F I H I I L N
UniRef90_UPI00047919BB UniRef90_K7Z643	ISYEPVYCIGNGIIPEVSHIQKVIDFIHIIL VAYEPLWALGSGVSASLEELTQLHTRLKQKL
UniRef90_E6MG41	FAYEPKWALGQYGLIELKHIQNIHALIRNCLSFLYDDAFA
UniRef90_R5TKX0 UniRef90_B5TYK8	TAYEPTYALGTGKAPEVKELETVINHLYEVLSKYDN
UniRef90_K7ZFA3	LAYEPVWA
UniRef90_V8CBE7 UniRef90_K7ZII0	VAYEPLWALGTGVSAGESDLEGVHRFLRSL VAY
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II 'D (00 IODUTO	210 220 230 240 R S V P V L Y G G S V S P Q N C E E L V S Q A H L D G L F L G R S A W S V D Y L
UniRef90_J3BUT2 UniRef90_K3XLK7 UniRef90_Q45Y76	FSTRILLIYGGILIHFSSS <mark>C</mark>
UniRef90_F4LS00 UniRef90_UPI0004745893	PNIDVIVE CSVNNONAADI TOMPVID CITETTOPS AWD ADNE
UniRef90_UPI0003FB804A UniRef90_Q1IZA2	E
UniRef90_H8GUW9 UniRef90_H6LBU5	E E V R V L Y G G S V K P D N L A A L C A K P N V N G A L V G G A S L K V K D V P L L F G G S V N I N N A K D Y A G L E N V D G L F I G R S A W E P D F E Q T S I L Y G G S V A K D N L K E L A Q T E Q I D G F L V G K A S L D V D F L
UniRef90_P78010 UniRef90_C6XJT7	Q Q T S L Y G G S V A K D N K E A Q T E Q D G F L V G K A S D V D F L D T P V Y G G S K P S N A K E L A L G V D G G V G G A S K A D F L
UniRef90_Q2G6R5 UniRef90_W0V8S2 UniRef90_G5HNU1	K D V P L L F G G S V N I N N A K D Y A G L E N V D G L F I G R S A WE P D F E Q T S I L Y G G S V A K D N I K E L A Q T E Q I D G F L V G K A S L D V D F L D L T P I V Y G G S L K P S N A K E I L A I L G V D G G L V G G A S L K A D F L S K V R I L Y G G S V N S G N A A E L L A A D G V G G A L V G G A S L T A E F L V G V Q I L Y G G S M K P D N A K E L M A M P D I D G G L I G G A A L K A E F L A L P I L Y G G S V N N N A H E L V Q T P N I D G L F I G R S A W D A K N F S A K P I L Y G G S V N N S N A H E L V Q T P N I D G L F I G R S A W D A K N F S A K P I L Y G G S V N N S N A H E L V Q T P N I D G L F I G R S A W D A K N F S A K P I L Y G G S V N N S N A H E L V Q T P N I D G L F I G R S A W D A K N F S A W
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UniRef90_F1L4W1 UniRef90_X0U883	RRIRITY G G S V D S S N I R G F I K E T E I D G V L V G A A S L N S E F V
UniRef90_I2CCT4 UniRef90_A6Q538	LSQTIIYGGSVNAGN <mark>C</mark> VDLAAQKDL PLLYGGSVKPANLKEVLSIPKCDGALIGTASWDVEFI
UniRef90_A0A059G3E6 UniRef90_Q3CZR0 UniRef90_E6SKU6	PLLYGGSVKPANIKEVLSIPKCDGALIGTASWDVEFIVTL ILYGGSMNPGNAAEILAVTDVNGGLIGGASLKAEFLDKVRVQYGGSVKPENVAEYMACPDVDGALVGGASLEAEFLAAVRILYGGSVKPDNIGGFMAQPDIDGALVGGASLDAGFA
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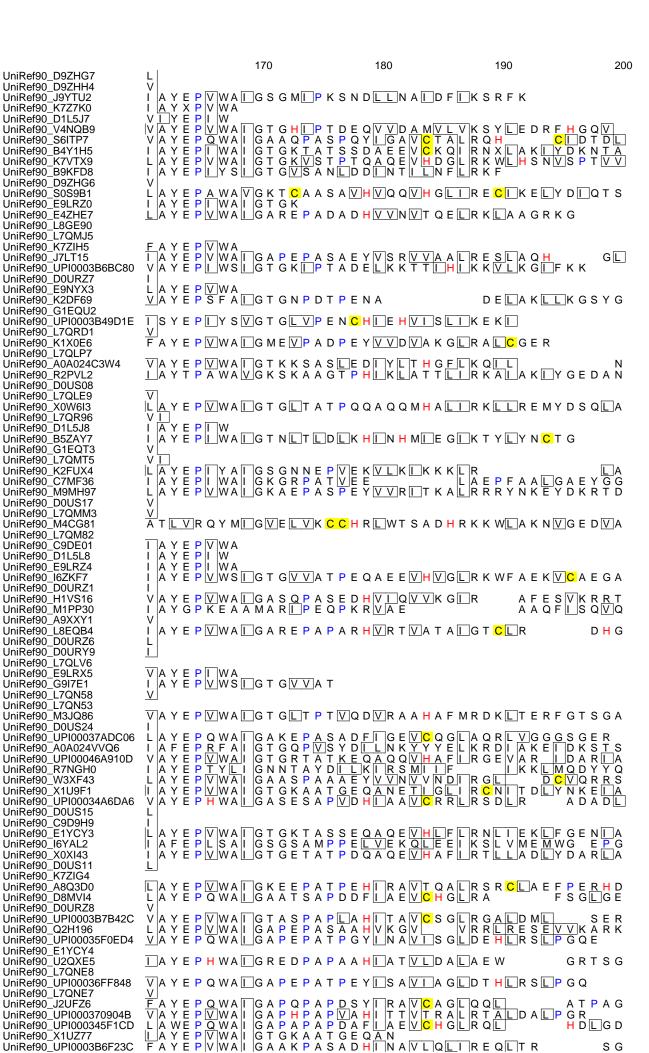
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UniRef90 D9ZHG7	90 110 120 MIL K D V G A D W V L G H S E R R L F G E S D E L G E K C A H A S E G L
UniRef90_D9ZHH4 UniRef90_J9YTU2	90 ML K D V G A D W V I L G H S E R R L I F G E S D E L I G E K C A H A I S E G L ML K D V G A D W V I L G H S E R R A I F N E S D E L I A E K A E H A L A E G L MV K G V G A K Y V I L G H S E R R A I F N E S D E L I N Q K I K T A L K N K L ML K D I G A D W V I L G H S E R R A I F G E T D Q L V A E K V E H A L A E G L ML K D I G A D W V I L G H S E R R A I F G E T D Q L V A E K V E H A L A E G L ML K E L G I D Y V I I G H S E R R G H H E P C A L V A K K V I G A L R V G L V L K E M G C N V V E I G H A E R R R Y F A E S D R Q I A D K T A A A W R N G L ML K E I G V E Y V I I G H S E R R E M F N E T D L D V N K K A K V L L E N N I Q E Y L D R I M F V A D K V A K N D F A K N D F F A K N D F F A K N D F F A K N D F F A K N D F F A K N D F F A K N D F F A K N D F F A K N D F F A K N D F F A K N D F F A K N D F A K
UniRef90_K7Z7K0 UniRef90_D1L5J7 UniRef90_V4NQB9	ML K DI
UniRef90_S6ITP7 UniRef90_B4Y1H5	VLKEMGCNVVEIGHAERRRYFAESDRQIADKTAAAWRNGL MLKELGVEYVIIGHSERREMFNETDLDVNKKAKVLLENNI
UniRef90_K7VTX9 UniRef90_B9KFD8	THE ELECTRICATION OF ELICIPATION OF THE PROPERTY OF THE PROPER
UniRef90_D9ZHG6 UniRef90_S0S9B1 UniRef90_E9LRZ0	ML K DVGA E WV I L G H S E R R Q I F K E D DV L I A E K C A H A L A M G L S L K E M K G G Y A E I G H I E R R T L F N E T D D M I N Q K V R L A L D Y E V M L E E L G V K Y V I L G H S E R R Q Y F G E N D A D L N K K M K K A F E H N L
UniRef90_E4ZHE7 UniRef90_L8GE90	VLRQAĞVKLVEI ĞHAERRAHFGETEDWVAKKAGAAARNGI MVKDLGLPWVI LGHSERRSIFKESDELI GTKVAK <mark>C</mark> LGVGL
UniRef90_L7QMJ5 UniRef90_K7ZIH5 UniRef90_J7LT15	MI K D V G C E W V I L G H S E R R T V F G E N D E T V A A K V Q H A L E S G L M I R E V G G E W V L L G H S T R R H L F G E D N E L I G E K V G H A L N E G L M L A E L G V G L V E I G H A E R R R Y F G E D E A M I A L K V S A A V E A G L
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UniRef90_UPI0003B49D1E UniRef90_L7QRD1	NI SDLNI K TL V GHNERRKHFNET DEL I NOKI KLOLKNNI MI K DNGLEWV L L GHSERRTIFQEX DDL VA EK V A HALES GL
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UniRef90_L7QLE9 UniRef90_X0W6I3	
UniRef90_L7QR96 UniRef90_D1L5J8 UniRef90_B5ZAY7	MIKDIKCEWVILGHSERRTIFAESDELIAEKVGHALEAGL MLNELNVDYVIIGHSERRQYFNETDETVNKKVKSALNHNL QLLDSNIKNTLVGHSEIRIDCSQSI IDQKTKICMDLLD
UniRef90_G1EQT3 UniRef90_L7QMT5	ML R DI GVD WV I L G H S E R R T I F G E K D D L L A E K V A H A L E T G M MI K DI G C K WV I L G H S E R R T I F G E T D R L I A E K V A H A L D S G L
UniRef90_K2FUX4 UniRef90_C7MF36 UniRef90_M9MH97	NLS GL D Y A G H S E R R Y Y F E E T Q R L S Q K A L A K Y K V Q A K D A G A Q V E G H S E R R E H F G E T V E T T R L K V A A T L R H G L V L S Q V G V K F V E G H A E R R R Y F G E T D E D V A N K A A A A N N G M
UniRef90_D0US17 UniRef90_L7QMM3	MI K DV GVE WV I L G H S E R R Q I F G E T D D L I A E K I E H A L A S G L MI K D V G S E WV I L G H S E R R T I F K E T D E L V A E K V A H A L A T G L
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UniRef90_I6ZKF7 UniRef90_D0URZ1 UniRef90_H1VS16	MIKDVGGTWVILGHSERRHKFGESDQLIAEKIKHALEKGM MIKDVGGTWVILGHSERRHKFGESDQLIAEKIKHALDEGL VLSETGVTIVEVGHAERRRLFGETDEVVAKKAAAASRNGM MIRGM VEYVIIGHSERRRYFHETSQDTANKMSETVAAGL MIKDVGCEWVILGHSERRRUFGESDELIADKIEHALSEGL MLAETGARVVEVGHAERRRHFGETDATVAAKAGAVTRAGL
UniRef90_M1PP30 UniRef90_A9XXY1	MIRGM VEYVII GHSERRRYFHETSQDTANKMSETVAAGU MIKDVGCEWVLLGHSERRQUFGESDELIADKUEHALSEGL
UniRef90_L8EQB4 UniRef90_D0URZ6	ML A E T G A R Y V E V G H A E R R R H F G E T D A T V A A K A G A V T R A G L MI A D V G L S W V I L G H S E R R S I F G E A D E L V A E K V A H A L E N G L
UniRef90_D0URY9 UniRef90_L7QLV6 UniRef90_E9LRX5	MI K DVGVN WV I I G H S E R R T I F K E D D E L I A Q K V A L A L D S G L ML E A M G V D Y V V L G H S E R R E Y F N E T D E A L N K K V K V A F A H N L
UniRef90_G9I7E1 UniRef90_L7QN58 UniRef90_L7QN53	MI K D V G A T W V V L G H S E R R N V F G E T D E L I A D K V G H A L A A G L M I K D V G V N W V I I G H S E R R T I F K E D D E L I A Q K V A L A L A S G L M L E A M G V D Y V V L G H S E R R E Y F N E T D E A L N K K V K V A F A H N L M L D M D L S H V I I G H S E R R R I M G E T N E Q S A K K A K X A L E K G M M I K D I G S D W V I L G H S E R R S I F G E S D E L I A E K V K H A L E F D L M I T D V G I N W V I L G H S E R R T I F G E K D D L I A E K V A H A L E S G L
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UniRef90_X1U9F1 UniRef90_UPI00034A6DA6	A L K V G L E L A E V G C A F A E V G H A E R R N V V G E T D E T V G R K L A A A L R N G L M L I D V G A D W V I I G H S E R R N V F G E G D E L I A E K T A F A L E S G L M L K D V G C E W V I L G H S E R R K L F G E C D D L I A E K C C Y A L E C G L
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UniRef90_UPI0003B7B42C UniRef90_Q2H196 UniRef90_UPI00035F0ED4	V L H E V G C G M V E L G H A E R R R M F A E I D G V V A G K T S A A L R N G L V L H E V G C G M V E L G H A E R R A L F G E T D G D V A A K A G A V V R N G M T V A E L G G R Y A E V G H A E R R R I F D E D Q R V I G I K T A A A Y R N G I
UniRef90_E1YCY4 UniRef90_U2QXE5	MI VSAGCTYIII GHSERRQYFGETNETVNKKIKAAISYLL QLAEVGCSLVEI GHAERRRLFGETDEI VAAKAAAAHRAGL
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		130 140 150 160
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UniRef90_D0URZ1	KVIAC	I G
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UniRef90_I6YAL2	NVVY <mark>C</mark>	T G D K N C D N P S S S Y K M M E L L R L I K T K I S K D E M K N I I V G E T L E Q R E A G Q T E A V I A S Q L A L E L V G A A G F A Q A V I G E T L E E R R E R K V E Y Q V L E K Q I A R V F N D N K D L E N I I I G E R N Q G E V A L A V D E C R A Q V E S V M A A V P E D A E V I I G E R L E E N E A G R T E E V V T E Q L R S S L A G I N N L N G L T V G E A V R T D P S D A A R T V S E R R L L A P A R A E G L S G R V V I G E K L E E R E G G K T E E V V F X Q T K A I A A K V S N W D K V V V G E T L E E R E S N R T N E V V A C Q A S A I S K K I T D W S K V V V G E T L E E R E S N R T N E V V A C Q A S A I S K K I T D W S K V V T C G K S P L T E I K K E L F F I N S A N L D K Q V K L E G L S Q D N M Q N V T C G K S P L T E I K K E L F F I N S A N L D K Q V K A M A D K I S K W D N V V I G E T L E E R E A G H T N E V V F R Q V K A M A D K I S K W D N V V I G E T L E E R E A G H T N E V V F R Q V K A M A D K I S K W D N V V I G E R T C T S D T L L A V D E C W H Q V A P V L V N V P H D A P I C L G E P E Q G T S Q E A I A V C R Q Q L D A Y L L T A R Q Q Q H I V C R Q Q L D A Y L L T A R Q Q Q R Q C L A Q C L A Q C L A Q C L A Q C L A Q C L A Q C L A Q C L A Q C L A Q C L A Q C L A Q C L A Q C L A Q C L
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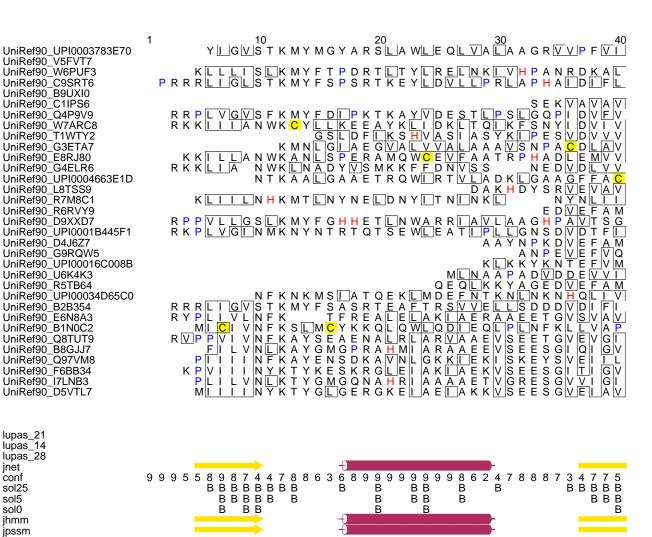
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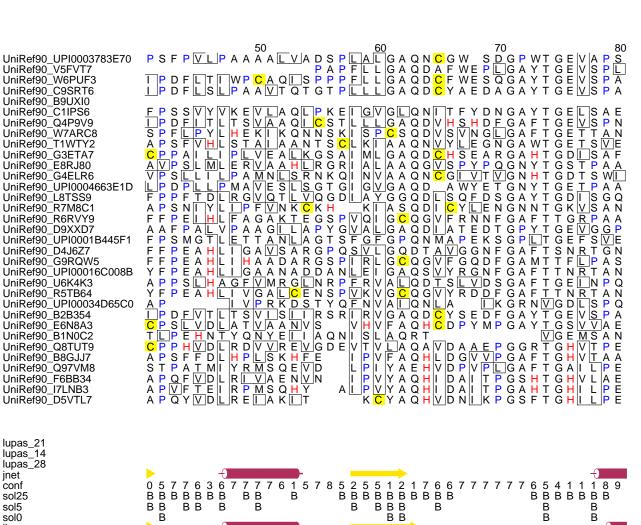
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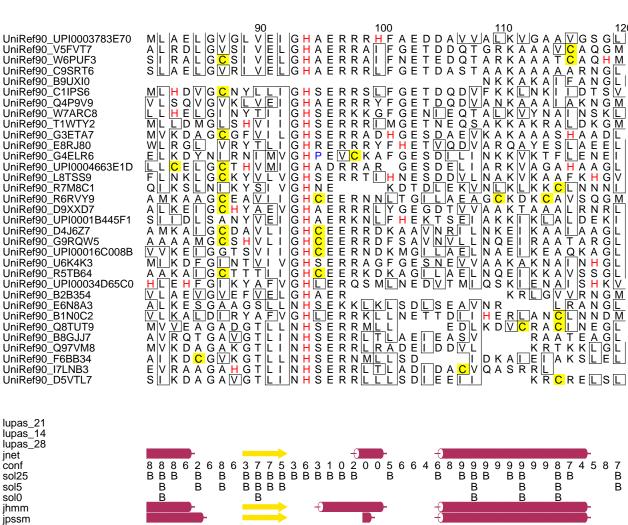
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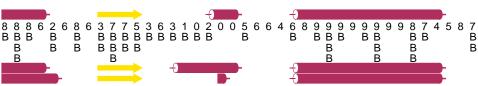
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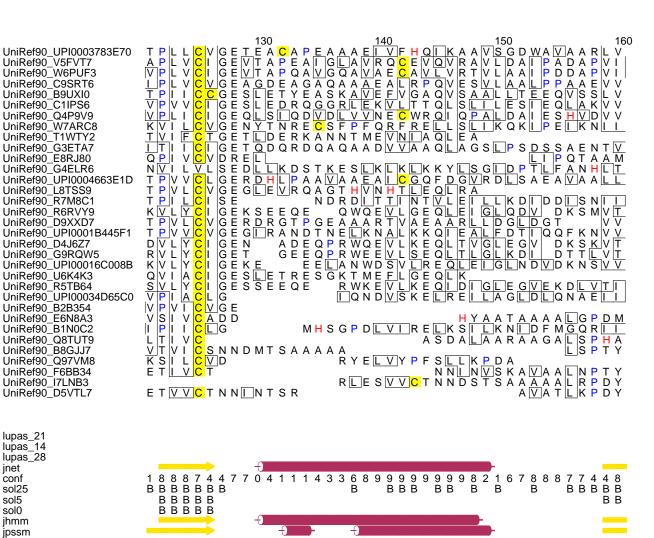
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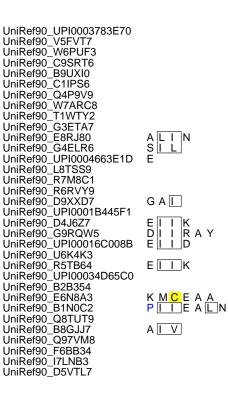


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