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UniRef90_M0RIQ7 UniRef90_UPI000349E874	IL LIPRDILIK K KALIN QVANIL I ISSSI QPIL QMILISV LIN FI EEKIISS ILMPSNPEDI AKVRMVEMVALIVEL OPATEPI TRV LIDVID DRK	
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UniRef90_G4LB85 UniRef90_D5VPK1		
UniRef90_A3IKW4 UniRef90_UPI0004689BC9	FILD T DILIP G FILIDIVIM O WILLE W.GILIG P MILIG O N H H F S O V A P F KIVID V	
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UniRef90_B1XW67	QAWIDRHIDKVQAGVAAMA	RDLGEQAW <mark>CC</mark> HLSLADIAVG <mark>C</mark>
UniRef90_Q21R55 UniRef90_E1T8V2	T A WI D R QL G K V Q V C I K A M S D A W V A R Q Q R K I D E A L L A M S	
UniRef90_K2LYH6	A D WL S Y Q S D K V K R A L D Q L E	ASPPSLAG DLTIGHVAVAC RAAGRWLGGETLSLADIAAGC
UniRef90_D0ZF79 UniRef90_M5DF03	VE WIS RQLT KVT H GLEAA	ERAAGRWIGGETLSLADIAAG <mark>C</mark> . RD <u>LK</u> KW <mark>C</mark> DGNTYTLADIALG <mark>C</mark>
UniRef90_U2ZK17	VEWISRQLTKVTHGLEAAA EQWQAAQQDKIERALAYFE DEWLDGQRDKIRRALALLE TELLR QREKISRALDALE CKAWSDDHWNRAWLGMARFE	QDCLAELA SRFDIAAIGLA <mark>C</mark>
UniRef90_K9NR43 UniRef90_UPI000407D378	TELLE QREKI SRALDALE	K D A L A E L T S H F D V A A I S V A C Q Y A A D G T L K A E L T I A T I A V A C
UniRef90_UPI000466A3F0 UniRef90_Q46XF2	C KAWSDD <mark>H</mark> WNRAWLGMARFE ER <u>WV</u> QRQLGKI <mark>H</mark> AALAAMS	A Q V E A M Q A R P L D I A Q I A L V C N N L R Q W C S G N H Y S L A D V A V G C
UniRef90_F5R7F3	G WI A R Q Q L K E R A L A A L A A L	NO DO A WCH GTATSLADI AVGC ARWTDRL DGPVTVGTVAVAC
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UniRef90_F5CRR3	IP WVQY HERR GFT ALEEL	GHAGRYATGDEVYLADLFLAP
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UniRef90_B5SIP1	AINRYTNEAKRLYGVIDKE	LSESKYLGGPDYSLADIA
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UniRef90_UPI00036FD988 UniRef90_UPI00037AD5C	3 EFWWQRFN <u>D</u> A <u>IIIRALD</u> FLE	SNVSKLP KQLSLTHINLGS LGERPYFGAEHITLADLVAGT
UniRef90_UPI00036853C7	5 KLRQAKEK <u>LATVLAFL</u> ERO 7 TL <u>V</u> EK <u>HT</u> KSIFR <u>S</u> LDA <u>M</u>	RILIG E R P Y F G A E HI I T L IA D L VIA G T E S R I T D A G E V I D L IG Q L A F A A
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UniRef90_B6AUD0	EAFVEAQYGKVEQA <mark>C</mark> AAL	TTRWMSHLA GPLDMGQVAVAC
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UniRef90_A3IKW4	ÄTINRYVKETERLYGVL	E QÜK D KEY DA DYSUA DMAVY P
UniRef90_UPI0004689BC9 UniRef90_D4YXF7	Y L W L G Q W A K I D R A C A A L N A T L A T F A G R L D A S I D R I F A G R L D A S I D R I F A G R L D A S I D R I F A G R L D A S I D R I F A C A	I
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UniRef90_A1WH68	PAYAEGQAYKLDQTY	FILENHUALNGRITUGHUALAT
UniRef90_Q1MXU2 UniRef90_S9QB93	KEWGEE <mark>C</mark> VKNAGKFMGLLN KRPQQRYIIDFAKRIIIAVI	IK <mark>H</mark> L S E Y V A G E R F T V A D I T A F V K E L D G R E W G D Y S I A D I A
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UniRef90_Q0BU99 UniRef90_D9QMW9	PQVADYNRVSAERFMKTL	ORHUAEHEFIIDRFTIADI VIGAVI
UniRef90_UPI00045EA5BE	E PQWGEANK <mark>P</mark> K <u>VL</u> AALGFFN	IDQLADRAF <u>V</u> ARFSVADLTML <u>V</u>

	470 400 400 200
QUERY	170 180 190 200 ALAYISFRLPAFDWQNRYPTLHAWQAKVVEGESFALTTFE
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UniRef90_F5R7F3	
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UniRef90_U2Z9W9 UniRef90_U1U6A3	TI GYI NERRVI PNW <mark>C</mark> VNRPAI VKI AFTI FERESEARTVP
UniRef90_A3JXD0 UniRef90_G2TC23	ALGYLDFRHEVRGWRTGHDALAQWYARFAERESMKATLP
UniRef90_Q5LX57	ALGYLDLRHDARGWREGHPALAAWFAGFESRPSMMATRP
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UniRef90_N6WVW3 UniRef90_UPI00038141F4	TVAF NKVNDIRIKPEQTHLQAWFDRIKARPSAQ
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UniRef90_Q0BU99 UniRef90_D9QMW9	HVSCLD FGGDIDWEKFPAARDWYARIKSRPSFR GLDFA RMVKYRPPEEFTHLARWLDACRARPAAKA AVDFL RVIRTEVPEHHTHLKRWYDVVSQRPSAKA
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UniRef90_UPI00035E1C3D UniRef90_B6JHB0 UniRef90_I1IAM5 UniRef90_Q081R1	LQLYSLPT PNGVKVSI MLEEIGL PYEVHLVDFNDDQKTPMIDLYFWTTPNGYKITI MLAELGLHYRVLPIDIKGDQFGPMKLYDYFRSTACYRVRIALNLKNIAYEIHLVNNGGEQHSPMKLYYGPLSGHSHRARLFLSLLGMDYEIELNLRAGDHKTALYSYWRSSCSHRVRIALNLKGVDYEYKVNLLKGEQSDPMIKFYFHPGPNPMKIALFLEETGLEFEVPVDTLKGEQHSA
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UniRef90_G4YYF4 UniRef90_X7EGZ7 UniRef90_E8RLA4 UniRef90_W8I0D6	MKLYYFPPSPNSRKAHIVAVYLELPLEKFVDIKGEQYTPLYSYWRSSCSWRVRVALEWKGIPYDYRAVHLGGEHLKDKLYHVPLSPFCRKVRLVLAEKKIPYDYRAVHLGGEHLKDKLYHVPLSPFCRKVRLVLAEKKIPYDYRAVHLGGEHLKDWKGIPYDYRAVHLGGEHLKDWKLYYAPGACSLSPHISLREAGVEFEIVKVDTHLTESGAMKLIGSYSSPYVRKISVILLEKEIAFEVNRINSDGEDIVT
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UniRef90_A9BQI9 UniRef90_U9SI27 UniRef90_F6C0V9 UniRef90_X5MEJ2	TLYTY GTQNGVKVSAVLEELGIPYKVKQVELKREQYEP MKLYHHPLSGHAHRARLFLSLLGIPYKVKQVELKREQYEP MKIYHHPLSGHAHRARLFLSLLGIEHELVVVDFRREHKQA MKIYDYGLAPNPRRVRIFLH <u>E</u> KGIEAEYEKIDIRKRERT <u>E</u>
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JARRESO DA GANZAH-MAS JARRESO DA GANZAH-MAS JARRESO DA GANZAM-MAS		
June	UniRef90 A0A023FFS7	90 100 110 120
JARRESO DAGOS, 1948 LIP A D P. LIR A R. H. R. W. M. E. F. G. S. A. L. S. D. W. L. Y. E. Y. R. E. L. T. T. Q. D. R. E. T. T. D. R. E. T. T. D. D. R. E. T. T. D. D. R. E. T. T. T. D. R. E. T.	UniRef90_W9Y167	K F T Y P H G S Q D Y Y E M M S W L M F Q M G G L G P M Q G H F R A M A P V Y S
JRABSS FOVE FOUND FOUN	UniRef90_A0A024HJA8	AILI <mark>C</mark> GNGAILISRARIVISWILIEKYADYTIVIFRNRILLIKPILLIGKILI <mark>C</mark> DE
Jingsego Gaasga		L WP A D PLK R A E H R A WME F G S A IL LS DL WGLE I A A D A A I F
JARREDO HOJOGOS 1		L HPADPLTRARHRGWMEFGSSILISDLWIYF TTODRFT
JINGRESO DOSHNAM JINGRESO DEPROMOMENTATE JIN	UniRef90_H0JGG2	IL L IP A D P R A R H R GIV IA A IL I IA C DIV IH PIL IH NIV IS IV L IN R IL IR GIL IGIL IE E
June	UniRef90_D5RHN3	
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Jimprego AAA011Q2D7 Jimprego AAA011Q2D7 Jimprego AAA01Q2D7 Jimprego AAA01Q2		II I IPENSEKETRMII IERII TIDIVIYII INT GREAILIESD TORPII IEARG
J. J	UniRef90_A0A011Q2D7	ILLIPDDSKGRSOIVVIOWILMEGILIGPMMGOANIVIEERYEPEKILI
J. J. J. R. S. P. J. S. P. Y. L. G. W.Y. W.Q. M. G. G. J. P. M. A. G. O. H. H. E.W. Q. Y. A. P. R. R. R. L. P. Y. J. W. W. W. W. M. G. G. J. P. M. A. G. O. H. H. E.W. Q. Y. A. P. R. R. R. L. P. Y. J. W.	UniRef90_K2JUF3	P K G G E A R Y D V L Q W M W Q M G G I G P M L G Q A H H F L Q Y A P E K I E Y
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Jinkeepo Jaboys	UniRef90_H8MYM1	L L P T D A Q G R A D V N R W L F W C S A H M A V Q E N F V K Q R T G R G P P D
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Junkergo 1,000MM L P A S A Q D R Y JA L Q WL MF G V G P MF G O T H F R R F A S G E A Y P JA G V JA W	UniRef90 I4WS59	FIVIPADPARRWETII IQ WILIFFQMGPMFGQIVIGFFNKFAGKAYED
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Junkelso Protogoto-get Lim P	UniRef90_UPI0003B59708	FYPQESRVRYAVLEWLMFQMGPMLGQAHHFRRYAPEPIPY
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UniRef90_A0A024HJA8	A A V K G A M Q E K L P G H F D Y L E R T L G D Y F V D N Q F S L A D I A I A C E A K R H A V I A K F A R V E A A L R Q G P F F A G E S F S L V D A V F A P G D W Y R Y WI A T G F H A L E K L A T V S G E Y C V G D Q L S L V D V C L V P
UniRef90_H0TR75 UniRef90_F7YJ61	CDWYRYMIATGEHAILEKIATWSGEY <mark>C</mark> WGDOUSI VDW <mark>C</mark> I VD
UniRef90_F71361 UniRef90_G9A658	LEAKRSVLKTKFATII GAELL GDGPYFAGF KFSLVDAVFAP
UniRef90_H0JGG2	LEAKRSVLKTKFATI GAELGDGPYFAGF KFSLVDAVFAPPVVLDWISHWIGEGLAAVEAQIGASGFCGEVGLADVYLLPAFSARQKAAVDRALATLEASPPQGLS DI GALSVAC
UniRef90_D5RHN3	A FSARQKAAVDRALATILEASPPQGILS DI GAILSVA <mark>C</mark> SA <u>A</u> GA <u>R</u> AILKF <mark>H</mark> LDY <u>MA</u> HLLEHRRWLAGND MTLAD <u>F</u> AGAA
UniRef90_A3V1N8 UniRef90_UPI0003817728	S A A G A R A K F H L D Y M A H L L E H R R W L A G N D M T L A D F A G A A D T V N A S R A H G L L H L V E Q Q L S H S R F L A S E Q P S I A D A F Y T
UniRef90_UPI0002DB0E44	DT WAA SRAHGL LHL VEQQLSHSRFLASEQPSI ADI AFYT AANVIKARSLMETALGLINERISRTWL VDEFSSSDCAAAP
UniRef90_A0A011Q2D7 UniRef90_K2JUF3	A A A I DRYQGECRRLFRVLDSHLEEHEFAGDYSI A DIA A MNRYANEANRLYGVLNKRLGRDYVAGDYSI A DMAIMP
UniRef90_K2J0F3 UniRef90_K0DMB2	NAWYCH WIVIEAGFSSILIEARDARTGTFCYGDAPTILIADILI <mark>CI</mark> L VIP
UniRef90_K5ZP31	A <u>M</u> ERY <u>V</u> K <u>E</u> TNR <u>L</u> YGVLNKQLEGR <u>D</u> YLGE <u>Y</u> SIIAD <u>M</u> A <u>S</u> YP
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UniRef90_I4WS59 UniRef90_T0J0M1	LKRFSNETHRUYRVLEGOURTHRYLLAG SEYGI ADI ALIYP
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UniRef90_UPI0003148749	A INRYEKEVQRLLGVMEDQLAKTPYAGDYSIADLATYP
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UniRef90_UPI00042B3AF1	A D E AII E R S H A L L R V M D D E L R N K D W I A G T V E P S I A D V A L Y G E S L P W T Q Q I N K G F T A V E N M I K G C A G K D E V Q L A D V F L A P A T N R Y L R E T Q R H Y Q V L D A H L R E F L V G D E L S I V D I A A E V M A W I R H W I A E G F N A I E A L I G D D G F C G E P G L A D V Y L L P A I N R Y E K E V Q R L L G V M E D Q L A K T P Y A G D Y S I A D I A T Y P K K E V I K A K R L L E T A L E L L D E K L R T W L G G E E F T I A D C A A A P A T V Q A A L V D R L P P H F D Y L E R T L G E Y F V G G Q P S L A D F A L V T E E R L L F V Q T N I E K G F L A L E K L K D F V G K E E V Y M A D V F M A P S A V K K E Y S E K L L K F E I L V N R N T T T F F G G N S V S M I D Y L I W P P O L V F R A T K A F H K F A T V N N H I A K K K F N N T I T I A D F A V A C
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UniRef90_E8RLA4 UniRef90_W8I0D6	AVWLKRWEEGLRRALKAVDGQC VVSDAPPGLAELTLAS
UniRef90_I2B3X3	A DITTA LE GRETT RAL D WE E Q QUA GRETTA Q PLTVGT TAL GC
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UniRef90_UPI00047E5163	A II ID R Y T R EIVIS RIL IY GIV L ID R RIL IE G R E FII IG E F SII IA DII IA <mark>C.</mark> Y P
UniRef90_L0GMS5 UniRef90_UPI0003733915	N A E E V I A R A H M L L Q V M D A E L A G K R F L T G A Q P T I A D V A K R P R D R Y V N F A K R I L A V L D A R I A R W L M G D F Y T I A D L A T F P
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UniRef90_A0A023NYW9	KEWYRHWIIEGFRSLEAHLARDPFFCHGDHPIIADCFLVPA IDRYTREVTRLYGVLDRRLAGRDFIGAFSIADIACYPDAAQQKAESILNLIEKHLTTTKNQWLALDYPTIADIA IRAGFGNIHRHLDYLGTLTERHGYLAG GAFTLADIAAAA KRPRDRYAAESRRLLQVLEKRLRTWIMGDDYSIADIATFP DKVQHYLAEKIPPLLAYLDRELREYLVGDSLTIADIAMGS QPWIERVQTQLFAAYDHLEREGNAWLFGDRLMQPDITLAV EEAAEKHATDAIKILDVYEARLSKHLAGDEFTLADCNHMAA DQKQVWYIHWILEGFAALEMRLQKSDYPGLFCFGDVADAF KRPLERYRAESERLLGVLESRLRDWIMGDDYTIADISLLG QDLFDRQLRAVYHAALDLFEAAD
UniRef90_K9RI36	DAAQQKAESILINLIEKHLITTTKNQWLALDYPTIIADIIA
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UniRef90_L0WDP0	DKVQHYLAEKIPPLLAYLDRELREYLVGDSLTLADI AMGS
UniRef90_B2JJD7 UniRef90_A4PIV6	FEAAEKHATDAI KI I DIVIY FARII SKHII AGDEETII AD <mark>C</mark> NHMA
UniRef90_UPI00045E7679	DQKQVWYDHWLLEGFAALEMRLQKSDYPGLF <mark>C</mark> FGDVADAF
UniRef90_I3TKQ0 UniRef90_B8GXN7	K K P L L E K Y K A E S E K L L G V L L E S R L R D W I M G D D Y T I A D I S L L G
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UniRef90_K2EIC1 UniRef90_A9BQI9	A E WG N K Q R E V A S A T M A Y L D S V L S E N E F G D N F S I A D L T A F A
UniRef90_U9SI27	P F A L N N C A K E L K R L Y D V M N K E G K E Y L V G N K F T L A D A M S Y P
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UniRef90_A0A059CET6 UniRef90_G8MJK5	S E WVQ Y H
UniRef90_UPI0003B6EF96	KVWLDLQMGKIDKTLDFLEKDLINWSNPSGFDAANI GLGT
UniRef90_H1S6N6	KRPRDRYVAEAKRLLAVLDGRLRTWIMGDAYTIADIATEP
UniRef90_E2RT24 UniRef90_D5A9Y2	LPWAQKAISSGFQALEQLQGTAGKY <mark>CV</mark> GDEVTMADL <mark>CL</mark> VPEAAVEMNVEKLKKVLDIYEERLSKYLAGDFFSLADLQHLP
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UniRef90_UPI00037F1270 UniRef90_T2LEF3	A I K R Y T E E S Q R L Y K V L N T Q L E P Y L G G N E Y S I A D I A V Y P P D E V I G R A H T L L K R L D S H L S G R D W L V G L Q P T I A D V A I Y Q Q K L D W I H H W I E L G F D A L E K Q L A A D G E T A R F C H G D L A D C C Q Y A R D R Y N N E S L R L Y R V L E N R L S A W L G C D E Y S I A D I A T Y P A A R Y R S L M D E A F A T L D N R L A E H P Y L A G D E Y S I A D I A T Y P N A E S L K K S A D L L A I M E A E L S R R E F F V G S T P T I A D I A M Y T N A A I E A G M Q A C E E L F E L M D N V L A K Q A F F N E F G L G D I A V A P R S L M D E A F A T L D S C M D I A V A P R S L M D E A F A T L D S C M D I A V A P R S L M D E A C T B E L F E L M D N V L A K Q A F F N E F G L G D I A V A P R S L M D E A C T B E L F E L M D N V L A K Q A F F N E F G L G D I A V A P R S L M D E A C T B E L F E L M D N V L A K Q A F F N E F G L G D I A V A P R S L M D E A C T B E L F E L M D N V L A K Q A F F N E F G L G D I A V A P R S L M D E A C T B E L F E L M D N V L A K Q A F F N E F G L G D I A V A P R S L M D E A C T B E L F E L M D N V L A K Q A F F N E F G L G D I A V A P R S L M D E A C T B E L F E L M D N V L A K Q A F F N E F G L G D I A V A P R S L M D E A C T B E L F E L M D N V L A K Q A F R N E F G L G D I A V A P R S L M D E A C T B E L F E L M D N V L A K Q A F R N E F G L G D I A V A P R S L M D
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UniDefOO AOAOOOFFC7	170 180 190 200 QVY N A N R F K L D)
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UniRef90_F8G680	EFISLSANNKI PAI LDPNGPPLFESGAI LQYLAEKSG Q	
UniRef90_K0HV27 UniRef90_R0IA03	DISVMNPYGQVPLLV ERDLILYESNIINEYIDERFPHPQ SLLDVNPRGLVPAIRHGPTWSTHESTVIMEYLEDLHVGPP	
UniRef90_Q20YX5	<u>EFLAI APNNRI PAL VDHKPISI FESGAI LLYLAEKTGQFL</u>	
UniRef90_J3CE76 UniRef90_J9HHL7	E Q S N P Q R P V E D D G T V T E S V A C R Y F E E H P E P P E F K N P Q H C P T L V D N G F S WE S R A I A Y L V E K Y G D D K	
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UniRef90_D4XGW0 UniRef90_F2UE36	DFLALNPHGRIPVLTDETGTALFESAAILLYLAEKTG R DFLNVNPMGELPALE DGHTLTQSUPILEYLDETRPENP	
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UniRef90_K2IDD2	EFLAVNPRHCIPTIVDD DENLWESRAI LQYIVNQYAADS EYLAKNPQGLVPTLEREDGTFMTQSLAI IEWLEETHPEPA	
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UniRef90_A4JMY4	EFIEKNYSGTÜPÜLELEDGT <mark>C</mark> IAE <mark>C</mark> TAITEYLDTLDGAPT	
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UniRef90_A9D4B1 UniRef90_UPI0002F3F423	EYLAKSPLAKVPALELDDGRVITETRAII CTLLEGRFPEPN	
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JIII (0100_000ZZ0	D. K. KIN I O O I V I V E E D D O I I E A E O I A I I V I E D I E D G E P I	

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UniRef90_UPI00045E9AA1 UniRef90_I3UG93 UniRef90_B2IHS5	L L P A E P V A R A R V R Q A L A C E I H P L N N L R V L N Y L K Q E L G V D E F M P A D V R S R M E W V F W Q M G G L G P M A G Q N H H F G V Y A P E K I Q Y F L P A D L R G R F E V M Q W L F W G L G P M A G Q N H H F V Q Y A P E R L P Y
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UniRef90_A7IJL4 UniRef90_B2SXF7 UniRef90_B0T4T2	FLPADLRGRFEVMQWLFWGLGPMAGQNHHFVQYAPERIPY LAPPVDKRGAYYRWMFFAAGPVESAVTNRALGFTVAEDRK L PKDPRGRARARALAQHSLVTPRVRGFMAKTYNIDEAGQ L PKDVIERAKVRAFAQHPINNLRVLKYLQNDLSLNDEAGQ L PKDVIERAKVRAFAQHPINNLRVLKYLQNDLSLNDEQK LNESAMVKVWSEVESHEYDPVVSQIVHQHFVAPMIGKTSD GTPEDRPELLSWLLFLGTGLGPFSGQAVHFQFAAPEGQEY L PKAPADRAYVRAALQVACEIHPLNNLRVLKYHTLGVDD L I PTDPRNRARAIWFEEFADTPLFNNLRVLKYHTLGVDD L I PTDPRNRARAIWFEEFADTPLFFNRLVGPRFNAALPFEV
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UniRef90_UPI00047AEA73 UniRef90_UPI00032A75DA UniRef90_M5W4B1	ARDMRGRADTLQWFWQMGGLGPMAGQNHHFSVYAPERIPY LEEKALVDQWLEVEAHNFNDLCFNIMFHLIILPRMGKPGD LLPKDHHQRAEARFWAKFGEEKNR AFLGFFFVTGEEQVK
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UniRef90_W1AGI7	TVWGRKNSSNVKKVLWCLTELGLTYQQKAGGPFGGLDTP
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UniRef90_UPI00035FB4B7	KLYRNPKSGH <mark>C</mark> HRVELMLALLDLPYELDLDMANGAHKAT
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0111176190_0F10003140A03	WILL DI II WIN II NONKEDE WILA EIGENTUEN TUEN FILINII NOEUN QP

Interest Cexturn		50 60 70 90
JAINGRIGO JAINTHIS JAINTHIS JAINTHIS JAINTHIS JAINTHIS JAINTHIS JAINTHIS JAINTHIS JAINTHI	UniRef90 C6KUD1	50 60 70 80 E V V K N P K G S V V F I D G D C V WE S S T V L E Y L D E V Y G P G K
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Jinkergo UP100030EDA64 A Y TII N P Q G K V P A I W D T E G P RIV F D S T A I L L Y L A E K T G Q F L Jinkergo UP100030EDA64 A Y TII N P Q G R V P A I K T D D G T T L S Q S L A I I E F L E E C Y P Q V P P J L L L D D G T T L S Q S L A I I E F L E E C Y P Q V P P J L L L D D G T T L S Q S L A I I E F L E E C Y P Q V P P A I L L D D G T T L S Q S L A I I E F L E E C Y P Q V P P A I L L D D G T T L S Q S L A I I E F L E E C Y P A P A P A S Q S L A I I E F L E C Y P A P A P A S A I A I R F A I L E F L E C Y P A P A P A S A I A I R F A I L E F L E C Y P A P A P A S A I A I R F A I L E F L E C Y P A P A P A S A I A I R F A I L E F L A D A G A P A I V A D A A P A P A P A P A S A I A I R F A I L E Y L E E T A P A P A P A S A I A I R F A I L E F L A D A G A P A I V A D A A P A P A S A I A I L A P A D A A P A A P A S A I A I L A P A D A A P A A P A S A I L A P A A R A P A A I L A P A A R A P A A I L A P A A R A P A A I L A P A A R A P A A I L A P A A A I L A P A A A I L A P A A A I L A P A A A I L A P A A A I L A P A A I L A A A I L A P A A I L A A A I L A P A A I L A A A I L		EFIKYNPNGRIPAJI IDHH DEVVWESA AJI LII YLA EI YPERK
Jinkergo UP100030EDA64 A Y TII N P Q G K V P A I W D T E G P RIV F D S T A I L L Y L A E K T G Q F L Jinkergo UP100030EDA64 A Y TII N P Q G R V P A I K T D D G T T L S Q S L A I I E F L E E C Y P Q V P P J L L L D D G T T L S Q S L A I I E F L E E C Y P Q V P P J L L L D D G T T L S Q S L A I I E F L E E C Y P Q V P P A I L L D D G T T L S Q S L A I I E F L E E C Y P Q V P P A I L L D D G T T L S Q S L A I I E F L E E C Y P A P A P A S Q S L A I I E F L E C Y P A P A P A S A I A I R F A I L E F L E C Y P A P A P A S A I A I R F A I L E F L E C Y P A P A P A S A I A I R F A I L E F L E C Y P A P A P A S A I A I R F A I L E F L A D A G A P A I V A D A A P A P A P A P A S A I A I R F A I L E Y L E E T A P A P A P A S A I A I R F A I L E F L A D A G A P A I V A D A A P A P A S A I A I L A P A D A A P A A P A S A I A I L A P A D A A P A A P A S A I L A P A A R A P A A I L A P A A R A P A A I L A P A A R A P A A I L A P A A R A P A A I L A P A A A I L A P A A A I L A P A A A I L A P A A A I L A P A A A I L A P A A I L A A A I L A P A A I L A A A I L A P A A I L A A A I L		NYI TI NPKGOWPALI I DDGSLI I FGWAL VIOYLADRWPDRA
JAMERSON UP10003C12BAFE F Q V V N P M Q Q R V P A L R L D G H V L Q S S A I I E Y L E E T R P N P R JAMERSON G3J0R1 JAMERSON G3J0R2 JAMERSON G3J0R3	UniRef90 A7IDY9	AFRAI NPNGKIVPAI VIDTEGPRIVIFDSTAI LTYLAEKTGQFIL
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JniRef90	UniRef90_M5XAC3	ELLKYNPVHKKIPVLVHGGRPI CESMI I VEYI EETWPHKH
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D	UniRef90_J4YTS2	D F LLALIN P K G Y IV IA A LLECGD G Q IV L T E G P A IL VQ Y L IA D L K P E A G
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UniRef90_W4WWY4 UniRef90_H8ZQF2	I I I I I I I I I I I I I I I I I I I
UniRef90_U4PRG3	MSGWLE SDGVDI ARFPKVHDHFRRMNDRPAVQRA
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UniRef90_X5MMG3	LIFFVRRIPOMFGLIDAHEKTTKYWQGIFDEPAVNRV
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UniRef90_UPI000366AED7	LAS WLE GOGVOPVQFPKI LDHRNRMAERPAVSRV
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UniRef90_E8MB71 UniRef90_L8GD06 UniRef90_UPI00047952C7 UniRef90_B9QYS0	KLYWHPISGHAHRAHMLLSMLGLDFELEVDLPAGEHQQATPNGQKVQLLEELGLQFTTTVIDISTEQKKELKIWGRPNSVNVQKVLWTVRELALPHTTEHVGQFGGLDTPLKVWGRKTSSNVQALMWCIGELGLEYERDIGHSFGGTDTERLYRHALSGHCHRVELMLHLLDLPYEIDIDLMTGEQKQPCTTVVQCKQPCTVQSINIENIQKEPLVLYTVNTPNGIKASILLEELGLQYTFQSINIENIQKEPLVLYGMDISPPVRACKLTLRALNLDYEYEMDLLAGDHFKDLYTVNTPNGIKASILLEELNLDYKVHAIKMSNEQKEKMKLYYAPET CSLAPHVVLRELGLPFALVRIDSKLTEHGD
UniRef90_UPI000476A7BF UniRef90_K1X5F2 UniRef90_Q7JYZ9	RLYRHALSGH <mark>C</mark> HRVELMLHLLDLPYENDIDLMTGEQKQP GTPNGHKASIILEELGLQYTFQSINIENIQKEP LVLYGMDISPPVRACKLTLRALNLDYEYEMDLLAGDHFKD
UniRef90_J4VYF5 UniRef90_UPI00037A471D UniRef90_S6GXL1	LVLYGMDISPPVRACKLTLRALNLDYEYEMDLLAGDHFKD LYTVNTPNGIKASILLEELNLDYKVHAIKMSNEQKEK MKLYYAPET CSLAPHVVLRELGLPFALVRIDSKLTEHGD KLYRHPLSGHAHRVELLLSLELPTELVFVDLATGAHKQ TLFETTGFPNPARIRAAIAEKSALNDVDFVEIDLEHRTD
UniRef90_UPI00031ADD0D UniRef90_I3CH84 UniRef90_F9TEV5	
UniRef90_J3AAC0 UniRef90_D0KB40 UniRef90_W1NM30	MI DLYT WATPNGRKI SI MLEEL GLDYRVHPVDLGQHQQFP TI WGRDNSTNVKKVLWCAEELALPYQI AVGGQFGRNHDA KVFGPPMSTAVARVLACLYEKQAEFELVRI DMKGQHKKP
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UniRef90_X0TGS4 UniRef90_L8M201 UniRef90_UPI0003B3B530	KLYDNPFSPFARKVRMVLAHKEIPFQ SIDALAKERHA LILYGGKRSR SQVVAWYLEELGIAYQDEKLDLRGENKHP LHGYFRSTAAYRVRIALNLKRVAHDVFHHLRHGEQRDA LTLVSHPLCPFVQRAAIVLLEKGVAFD RVDVDLSAKPD
UniRef90_H0HER3 UniRef90_A0A024KB51 UniRef90_R9VNR6	LTLVSHPLCPFVQRAAIVLLEKGVAFD RVDVDLSAKPD LTLYLHPLASYCHKVLIALYENDTPFTAINVDLGDPGSAS MIDLYFAPTPNGHKITLFLEEAELEYRLIRVDLKGDQFRP
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UniRef90_G4MLL6 UniRef90_J0BHU6 UniRef90_L8LR54	MKLYYMTGA CPLVTRI ALEWI GTPFEAQRVSRD ELQQE KVYGDVNSGNCYKVKLLLSQLKLPFEI EI DILKKETRTP MKLYSEDSSPFSAPVRATI YAKGLQIEI EPPP GGLLSA
UniRef90_B8EQW2 UniRef90_B3MGW4 UniRef90_L0WJQ7 UniRef90_UPI0002C2E8B9	MKL Y S E D S S P F S A P V R A T I Y A K G L Q I E I E P P P G G L L S A I L Y Y D D R S P P V R S C L M L I K L L D I D V E L R F V D F K G E Q F G K T L H T Y F R S S A A Y R V R I F L A L K G L S Y Q K N F I N L K Q Q Q T T K L K V Y G P V R A A C P Q R V M V C L L E L G V E F E I V P V D L A G E Q K Q P
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UniRef90_UPI00036CEDBE UniRef90_UPI0002A4C357 UniRef90_M0SXB3	TLYTHPQSRGG IIRWMLEELEVPYQVIVLQYGEAMKTPMTLLWASGSPPCWGVQIALEEKNLQYNQKLLSVKGEQKSK KLLGLWRSPYVTRVGIALNLKKVGYEFVQEEVQG QKSE
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UniRef90_R9APE5 UniRef90_A1K7S9 UniRef90_M4C8E6	M D F Y Y L P P S P P C R A V D M C A Q A V G V T L N K K V H L M D G E H M N P K V Y G M A L S G N V V R V A T A L N E K G I D F D I V P V D L R T A H K H P M K L Y H C K D A R S L R A L W T L E E M G L A Y E L V N M K F P P R A T H P L Y T Y F R S S A A Y R V R I I A L N L K G L D Y R V H L L R D G G Q Q H Q P F Y T H C L C P Y A E R V W I A L L E K G L D P H R L V H I D L S R K P A T L Y T H P Q S R G G I I R W M L E E L E V P Y Q V I V L Q Y G E A M K T P M T L L W A S G S P P C W G V Q I A L E E K N L Q Y N Q K L L S V K G E Q K S K K K L L G L W R S P Y C W G I A L N L K K V G Y E F V Q E E V Q G Q K S E L R L F T Y F R S S T S H R I R I V L N L K K V G Y E F V Q E E V Q G Q K S E L R L F T Y F R S S T S H R I R I V L N L K K V G Y E F V Q E E V Q G Q K S E L Y L Y T Q T T P N G I V P A I F L E E L K A K Y D A D I G K V H N Q V K S P L Y A W R T P N C H K V L I L A E E L N L A Y E I V P V N I E G A Q N S A L R L L G K S S S P W V F R V R V A L G L R G L S Y E Y I E E D L G N K S E M K L L G K S S P W V F R V A L G L R G L S Y E Y I E E D L G N K S E M K L Y Y K A G A C S L S P H I V L R E A G L D F T I V K V N P Y K K E K L T L Y F H P L S S F C H K A L I A L Y E L E I G F E K R I I D L G N E A D R A I W S Y P G G P N P F K V L N F L E E L G F T H R A D Y I I H N L E F K G E L V L Y T H P Y S R G R I A H W M L E L V G Q P H R I E W A E F G P A M K T P K L L G I W A S P F S R R I E M A L K L K G G P Y D Y V E E I L E H K S P L K I W G R I S S I N V R K A V W A A Q E V G V A F E I D T G G K F G G T Q T P
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UniRef90_V51623 UniRef90_C5CXL0 UniRef90_W2NP45 UniRef90_B4LNK0	MQL I GMLDSPYVRRAAI SLRLLGLAFE HRSVSVFSTFE LKLYTYPGNYRVFAALI AAEFNGI DVELPEFDFAKDIKSK
UniRef90_UPI0003628584 UniRef90_UPI00037EFBFA UniRef90_A7E1B7	MT F Y T G S N D H Y S H R V R I V L A E K G I T V D I V E V T D E K R P A L L L D A L S P A P R T V R M Y L A E K N L A L P M R Q V D V A G E N R R P F Y Y L P G S A P C R S V L L A A K A F G V D L N L K V T N L A G E H L T P K L F W R N Q V P N P S K V L I L E E L N L P Y E S S W V E L D G L K T K P L T L Y L A P G T C A M A V H I A L T E A Q A H H Q V K L D L V A G E Q R S A L I L Y T N P Q S R G M I A R W M L E E V G V P Y R M V V L E Y G A P M K A P
UniRef90_G7X8I6 UniRef90_A4SMC1 UniRef90_I3TSQ7	KL F WR N QV P N P S K V L I I L E E L N L P Y E S S WV E L D G L K T K P L T L Y L A P G T C A M A V H I A L T E A Q A H H Q V K L D L V A G E Q R S A L I L Y T N P Q S R G M L A R WM L E E V G V P Y R M V V L E Y G A P M K A P
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UniRef90_V4T1S0 UniRef90_H6CAK9 UniRef90_E8MB71	EF L A L NPF(GLVPTLKNK GQIPVLVDG	D G PLTQSLA D G K P I C E S L I I Q K P L Y E S V V E T I I A D S N A N P F P V F E T S A	I
UniRef90_L8GD06 UniRef90_UPI00047952C7 UniRef90_B9QYS0	EYGNMNPNF	RKIVI <mark>P</mark> IVII DD	G G L V L WE S N A N G Q T I WE T G A G Q V I A D S N A	I L LYL VR N Y P D Y H I V R Y L A A R Y N E G G I L R Y L A D R Y G P E S
UniRef90_UPI000476A7BF UniRef90_K1X5F2 UniRef90_Q7JYZ9	A F R R L N P N C A F L A L N P F C WF T K V S P N C A F L K K N P Q	; R P A H R	NIDEAIVIEEGAAI	I I A Y II II R <mark>H</mark> Y I) I N K
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UniRef90_J3AAC0 UniRef90_D0KB40 UniRef90_W1NM30	DFLTISPNN DYLAMNPNO EYLAIQPFO	GQVPLLVTD NKIPAIIDR GLIP <mark>C</mark> LQDD GQVPAFQDE	G	I
UniRef90_UPI0004664630 UniRef90_I2BWB6 UniRef90_B4KAY4	OYRAMNPN(RVPVIFDG	DEVIWESNT	I VRYI <mark>C</mark> AK QASD
UniRef90_K0CGE6 UniRef90_X0TGS4 UniRef90_L8M201	D F L T I N P K (E L V R A N P R A E Y L A I N P M (GYVAALELD AEVPAL DD GKVPALVDG	GLVLWESRA DGRVLTEGAV GGFIVSNSSE DFNIWESGA	I L S Y L V A A Y A K T D I V Q Y L A D L R P E Q G I V A Y L E D R H P E P R I L W Y L A N K Y G E
UniRef90_UPl0003B3B530 UniRef90_H0HER3 UniRef90_A0A024KB51	DYLRLNPQO WFLALSPTO MVIFRWPVO	GLVPALEWE GKVPVLKVR	D F NI WE S G A G A V L T Q S L A Q E A L L F E S V A S S K R V P E T T L L P A D I F E S G A G R V V T E C A A	I L WY L A N K Y G E I C E F I D E V V P E P P I C E Y L N E T Q G G A A I I E Y L Q Q H Y P G P A
UniRef90_R9VNR6 UniRef90_UPl0002F7C59A UniRef90_E6V2Y0	MVIERWPVO DFLTISPNI AYRAINPMO	NKIPAIVDH GKVPAIVHD	LPADIFESGA GRVVTE <mark>C</mark> AA SGLRVEESGA	ILTYLAEKTG K I <mark>C</mark> AYLADAFPDAG ILQYL <u>A</u> EKFGNAF
UniRef90_K5UV06 UniRef90_G4MLL6 UniRef90_J0BHU6	G F V A V N P N S D H T Q H N P N C W F L D I N P N C A F L K L N P N C	GRIPTIDH GRIPAFTDG	S G N Y F E S G A K N N Y WE S D A K T I N L F E S A S	I L Y L VERYDPEH I MQYL VDRYDTEP I LEYLNEKFPQAN
UniRef90_L8LR54 UniRef90_B8EQW2	EFLITI NPNO	GRIPVLEWE GTIPCLILD	DLVLTQSIA TGHFLWESNA DGTPLPESAA	I MHFLSEGTEFLP
UniRef90_B3MGW4 UniRef90_L0WJQ7 UniRef90_UPI0002C2E8B9	HILLIAROPFO	SVPTLVHG GLVPAWEDD GQVPAIEDG	DLVLTDSHV SG SYGQSFA DFKLFESRA	I L I H L A E K Y D M K G I M L L E D K H P T P A I V R Y Y A A K Y A E T T
UniRef90_Q0AH14 UniRef90_J1IP53 UniRef90_UPI0003B590AE	D A V S S H C C C C C C C C C	GKVPLLVE GYVAALQLD GKMPAMEDD	DFKLFESRA RDLVLYEANI NGEVLTEGAA GFTLADSSA NDSPIAESLV PSIKLFESGA NGFYLWESRA KTVVWESNT TGIRVFESSAA GGVAIHESVA	I NEYIDDRFPHPQ I LQYLADRVPAAG I I HYLEARH RPG
UniRef90_B9S3A7 UniRef90_C8PWG1 UniRef90_W5J6E6	D F V A I N P N S	K K P V L L H S K P A L V D N T P T L D D	N D S P I A E S L V P S I K L F E S G A N G F Y L WE S R A	I LEYIDQTWKHHP I LLYLAEKF AQ I LTYLDAYPGHT
UniRef90_UPI0002EBD6FE UniRef90_UPI0001DD0E9D UniRef90_W9H641	EYKALNPTS GFVALNPNS FFLAKNPNS	S K V P T L V D D S K I P A L V D R S R I P L L E L D	K TVVWESNT TG <u>LR</u> VFESGA DG <u>RL</u> LPES <u>N</u> A	I
UniRef90_A9F3Z1 UniRef90_X4Z544 UniRef90_UPl0003C37574	AYLALHPLO DYFAINALO EFLKLNPQ	SYVPVLELP CVPTLVDD	D G T R L H E T L A C	I L Q F L A E H T A S G N I I I Y I A F K Y D K G Q
UniRef90_J3L7J6 UniRef90_V5AGY8 UniRef90_UPI0003690B16	DFLALNPF(GYLDVNPL(FYRAVNPF(GQIPVLQDG GTVPTLVDD GLVPSYR	D E V L Y E S R A D V T L T E S S A D G R T F R O S L A	
UniRef90_E1Z4I7 UniRef90_UPI00036CEDBE UniRef90_UPI0002A4C357	WYRSVNPRO EYLSLNPMO	G K V P T L V H N	GSVVVESAD KRVITEA <u>A</u> A	I
UniRef90_M0SXB3 UniRef90_A0D086 UniRef90_UPl0004408760	LLKSNPYE DHSQELPNO WYLFINPNO	KIPVLIHQ QAVPALHLP	GKPVCESAL DGTLLIESMA	VEYLDE WTSEP I AEYLDD VYPEKR
UniRef90_D0LTG2 UniRef90_B6U9Z8 UniRef90_UPl0003631907	EYRQRNAN(LLLRSNPV)	KVPVLEVE KKVPVLIH	QPGIIAESAA GGRPVCESLV	I L I Y L A E Q S G R I L Q Y V D E I WR G P P
UniRef90_F8NS94 UniRef90_J3GLZ8 UniRef90_R9APE5	H F L D I N P K (GLVPALE Y	R G K A L Y E S I I D R Q R N V A E S S	I
UniRef90_A1K7S9 UniRef90_M4C8E6 UniRef90_UPI0003958B98	EFLALNPMO LLLALNPI EYLARNPN	GKVPVLTH	G D V V V T E A A A N G K T L L E S Q V	I CAYLADRFPDSGILEYIDETWKQNP
UniRef90_UPI0003F76F9E UniRef90_UPI0003B49767	E F L E L N P A (SNVPVLIEN SKAPTVE V	D G P P I V G S G P D G R V M V E S G A G G G Y L A E S V A	I MEYL DETRGYAR I MEYL VERHGGGR I ARYL DESFPGRK
UniRef90_B1M920 UniRef90_UPI0002E533C3 UniRef90_UPI000366ADEF	A F K S V N P Q Q P F M S I N P A Q	QLVPAL DT GQLPVLETS	G E Q V L Q S P A T G Q V I A E T M A	I ARYLDESFPGRK I I E WLEEKYPTPT I CEFLEETSAGPK
UniRef90_V5I823 UniRef90_C5CXL0 UniRef90_W2NP45	QFQAINPV EFKAKTPA	/KAPTLVCDG	DGTPLMDSTL EG CIFESGA	INTYLTDKYANDA IDHAESIAGR S IAKYIARLRADTG IDAYLVGKYGDDS
UniRef90_B4LNK0 UniRef90_UPI0003628584 UniRef90_UPI00037EFBFA	A Y L K K N P Q F E L A D L N P Y N P Y L A H N P A (NSVPLLEDG NSVPTLIDR GQTPALLLD	EA LIWDSHA DLVLYESKV GGT <mark>C</mark> IAESVA	I I A Y L V G K Y G D D S M M E Y L D E R F P H P P I M E Y L E E L H P D P A
UniRef90_A7E1B7 UniRef90_G7X8I6 UniRef90_A4SMC1	F T D V N P N C A Y L A I N P K C		GFCLWESRA NGLTLWESGA RGVLTETP A	MMEYL DERFPHPP I MEYL DEELHPDPA I LSYL ADQYGDDS I VQYL I DTYDKDR L L LYVAQRFPDAL I CAYLAETFPEAG
UniRef90_I3TSQ7 UniRef90_D6V7M6 UniRef90_UPI00047AA1C0	DYLALNPMO DFLAMNPRO EWLSMWPV	GKVPTLV <mark>H</mark> N GQVPLLEVA KRFPLLVDD	G A V V T E <mark>C</mark> A A E K H Y L A E S N A G R <u>M</u> V A E A S T I	I CAYLAETFPEAG I LWY LAINTP I EYLGLHHPGPVR I LVYLASRYDTQG
UniRef90_V5PWI6 UniRef90_M0V7T4 UniRef90_V5BMK5	A F L A I S P F O L L L A S N P V I A Y R A L N P N O	G Q V P A I D D D K K V P V L I H G L V P L L Q D D	GLLFADSNA NGKPIPESQV DFVLWESNT	I L VY L A S R Y D T Q G I V Q Y I D E A W R G P S I V R Y L A A K F G Q P P I C R Y L A S R N H R S D
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	90 100 110 120
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UniRef90_H6CAK9	LLPADDAYERAR <mark>CRI WI DH</mark> I SGR <u>I VPAFYRFMQHSDS</u> KPY
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UniRef90_UPI00047952C7	<u>L</u> WPAD V A V RDR <u>W</u> MDWTATEW <u>Q V A</u> M V PAF V G L <mark>C</mark> RT <u>PE</u> PQRD
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UniRef90_UPI00037A471D UniRef90_S6GXL1	LAPANGSWQRVRLQEWLNFLGSEIHGTMGPLFNAAIPGEV WLPEDPVAAARVQRWLSVAAGQVAFGPAAARLITVFGASL
UniRef90_UPI00031ADD0D	L T G T T P L E R G L
UniRef90_I3CH84 UniRef90_F9TEV5	L H P A T A I R K A H N R A WI E F G S N L L I S Q Y L L A T A K T P E A V E T L Q P N L T P E Q K A I N R A W S Y Q A T K H Y L T Q C S T M R S K D E E T L
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UniRef90_I2BWB6 UniRef90_B4KAY4	FYPSDLQAREKWMDWTTSTLADPFKAVFWGLVRTPADQQN LYPTDLRVRALVDQRLHFDLGTLYQRLTDFYFPTMFLG
UniRef90_K0CGE6	LAPPAATWERVRLIQE <u>WLI</u> NF <u>VIT</u> CEII <u>H</u> AGILA <u>PLI</u> FNRALIAETA
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UniRef90_E6V2Y0	FPTEPAARAE <mark>C</mark> LS WLF WOMGSAPYLGGGFGHFYAYAPTKI
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UniRef90_L8LR54 UniRef90_B8EQW2	CDRLQRAQVLQWLFFEQYSHEPYIATSRYLIRYLKGEEKY LRPESPEARARVRLLQRIGELLIMAPLVELSRRGVPELDD
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UniRef90_L0WJQ7 UniRef90_UPI0002C2E8B9	L
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UniRef90_UPI0003690B16 UniRef90_E1Z4I7	II I IPDAPFARAFIVIROSFII I <mark>H</mark> PII INNPRIVI IKYII IFH FII IHIVID FAAR
UniRef90_UPI00036CEDBE	L TPQDPPLQ RQMEALLRGPCSGAVSVGATARHWGIGSGQLAPQNDIERAKYYRWMFFSAGPVESAVVNKYIF GEQAGILIPEGAAEVGLMYQRIFEGLGQKIADVVRYTKKVPEAERH
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UniRef90_A0D086	L <u>L </u> P Q D P <u>V L K A K </u> V R <u>G</u> F <mark>C E M H P <u>Y</u> Q N L </mark>
UniRef90_UPI0004408760 UniRef90_D0LTG2	I F S R D A Y S E V L Q WL F F V H G G V G P M Q G Q A G H F S F I P E K I P Y F F A P E G P Q R Y S A L Q WL M F Q M S S V G S M G S Q A V H F L R L E E K I
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UniRef90_A1K7S9	LAPDSARGPWYRWLFFAAGPVEQAVTAHSMGWQVPEGKD
UniRef90_M4C8E6 UniRef90_UPI0003958B98	L L P Q D P Y E R S K A R F L A K L V D E Q I T A G F V S M A R A D E K G R L Y P A A L A Q R F R W M D W Q Q T T M N P A G R D A F I Q L I R T A P A Q R D
UniRef90_UPI0003F76F9E	ILIMPNHPEARAEMRRWFILIHKTHDEAIVIQYFQHEKII IMKILIEILIPR
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UniRef90_I3TSQ7	LAPLDDPFMQEVNSFLASTVHVSHAHGRRGSRWADDEQAV LAPRPHERAAWFRWLFFGAGPLEAAVSNRALGIEVPAERE
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UniRef90_H6CAK9	D <u>E</u> ARAE <u>FILIH</u> HILIKT <u>FI</u> V AE <u>A</u> DPE <u>G</u> PFFILIG DQFG <u>MIV</u> IDII MILIAP
UniRef90_E8MB71 UniRef90_L8GD06	TIIDNEPLALEAYKL LA QLNGYLRTWLVGAKPTI A DLALY PFAINRFRNETLRVYEV LEI QLSGRYGKGKYSVAELGTWP
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UniRef90_Q7JYZ9	PKEKIVIDNII IKDAYGHILIENFILIGDNPYILITG SQILITII IADIL <mark>ICC</mark> GA
UniRef90_J4VYF5 UniRef90_UPI00037A471D	GIDRYTNETRYRTMDDALKKNPHGVLVGDRVTIADIS KAIFRTRLFQRFDLLENTLAQRD HLLESGFSVADIYLFT
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UniRef90_W1NM30	KVIIDQNQAKLEKVLDIYEKMLEENRFGDRFTLADLTHLP
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UniRef90_A0A024KB51	PFGVSDAHAALETAYGMIMAGGQPWAIIGGTFSLAD <mark>C</mark> SAAP
UniRef90_R9VNR6 UniRef90_UPI0002F7C59A	A NERY QVET QRLY QV LNKRLERVP WLAGEHYSLADIA A MLGY GSY DLV VDTLAGWLK DREFICG DRFT A A DVYVGA
UniRef90_E6V2Y0	EYALDRFAMEVKRQLDVLDRRLSRYLAGDDYTIADIAVWP
UniRef90_K5UV06	PSAQQRYKNELKRVLGVLNTELREYLVGGKLTIADLSFLP
UniRef90_G4MLL6 UniRef90_J0BHU6	A I E RY QVIET QRILY QV L N K R LE RV P WL A G E H Y S II A D II A A M M L G Y G S Y D L V V D T L A G W L K D R E F I C G D R F T A A D V Y V G A E Y A I D R F A M E V K R Q L D V L D R R L S R Y L A G D D Y T II A D II A V W P P S A Q Q R Y K N E I K R V L G V L N T E L R E Y L V G G K L T II A D L S F II P G I D R Y Q N E T H R L Y G V T Q L A S N P S G Y L V G D K A T II A D F A A E II K A K T A V L L T K Q L G V I D K H L G K E T L S G S L S V A D A Y L Y V Q K V L A E K R P L G Y A A L G V M E K H L K E H P F F D V Y S II A D II G L Y A P Y A A A W L T R V V R G L S S L Q T G D D P F A A G W R L T L A D C II L A P G F A H V D V V H H E R K L T E A Y G A M E S Y Y M A G E Q L T L A D L S I V T T G V N A W Y A H W I Q L G F D A L E T T L S Q T A G R Y C F T F A D C F L I P L R V S C E E K L K K V F D V Y E E R L S K Y L A G N Y F S L A D L S H L P L R V F I A N G L A M L A P I F D K O R Y M I G D F Y T M L D V A A P I F D K O R Y M I G D F Y T M L D V A A P I F D K O R Y M I G D F Y T M I D V A I A P I F D K O R Y M I G D F Y M I M I A P I F D K O R Y M I G D F Y M I M I A P I F D K O R Y M I G D F Y M I M I A P I F D K O R Y M I G D F Y M I M I A P I F D K O R Y M I G D F Y M I M I A P
UniRef90_L8LR54	QKVLAEKRPLGYAALGVMEKHLKEHPFFDVYSIADLGLYA
UniRef90_B8EQW2 UniRef90_B3MGW4	P Y A A A W
UniRef90_L0WJQ7	T GVNAWYAH WI QLGFDALETTLSQTAGRYCFTFADCFLIP
UniRef90_UPI0002C2E8B9 UniRef90_Q0AH14	
UniRef90_J1IP53	KALIFKATLIFK <u>R</u> FAII L <u>VIQTIL</u> ERQDYLLIG AQ <u>Y</u> SIVIAD <u>A</u> YILIFI <u>V</u>
UniRef90_UPI0003B590AE UniRef90_B9S3A7	A A A D R A M A G P V P K L L D W L E A H M P E G D G W E R L T L A D I A L A S E Q V I E E V D Q Y L K L L V N E L K D N D F F G G E S I G D I V A F S
UniRef90_C8PWG1	EYAINRFTMETKRQLDLLDQHLATHTFMNDYSIADIAIWA
UniRef90_W5J6E6 UniRef90 UPI0002EBD6FE	FYKFO V RD V NO K DAH AGKDF A GK T AD A <mark>C</mark> AP
UniRef90_UPI0001DD0E9D	P N R Y A M <u>E T K R L </u> F S V A <u>D Q R L G E</u> S R F <u>L A</u> G E D Y T I A D I A <u>T</u> F A
UniRef90_W9H641 UniRef90_A9F3Z1	RNWHEASIVIEKAII IRETADMII IGDMPEII IAGEG II ITII IADII ISIVIST
UniRef90_X4Z544	QATRAKLRARYEWVESQLQHHD HLTGASFSVADAYLFA PEKFKEVQNA_FEMLDTFLTSKPYVADTDTYTIADISLVS
UniRef90_UPI0003C37574 UniRef90_J3L7J6	T A V V D K Q A G E L A K V L D V Y D A H L N R Y L A G D H F T L A D V N H M G
UniRef90_V5AGY8 UniRef90_UPI0003690B16	<u>R R L P Q V V A D Y T Q W F Y S R L R S E D R D Y L L G H R F T V A D L A V </u>
UniRef90_E1Z4I7	TAAQRAAFEVQLAGLDALRQHGGPFLLGPQPSLADIMVYP
UniRef90_UPI00036CEDBE UniRef90_UPI0002A4C357	DKQQMLGYGNYQLALDTLSGASSPYLTGERFTAADVYIGS
UniRef90_M0SXB3	KAEVADGGAEAFQLLEEAFAHGKEYFGGDTIGYVDLALG <mark>C</mark>
UniRef90_A0D086	EFVQNVLKSEFQTLEKLLLQNHGKYSFGDELTLAD <mark>C</mark> FLVP
UniRef90_UPI0004408760 UniRef90_D0LTG2	LDWMRHWMTTGLEALETLMGSSGRFCDGDRPTLADCCVVPTAAQRAAFEVQLAGLDALRQHGGPFLLGPQPSLADIMVYPDKQQMLGYGNYQLALDTLSGASSPYLTGERFTAADVYIGSDSAVKRNREALKQEIQTWDGYLKGSDGYKSFSLADVIVYPKAEVADGGAEAFQLLEEAFAHGKEYFGGDTIGYVDIALGCEFVQNVLKSEFQTLEKLLLQNHGKYSFGDEITLADCFLVPAINRYQNETKRLYGVLESRLSKQDYLVGNEYSIADIKPYAIDRYKREVERLYKVMDQRLGESEYFGAYSIADIKPYAIDRYKREVERLYKVMDQRLGESEYFGAYSIADIKPYAIDRYKREVERAFFCGSRGKAFFGGDAVGLVDVTLGSKFMTREALHKKLAYLNTSLKDKQFLLGN RFSVADAYLFTNAREELYAAQRKLAKEV KGPYFNGEEFGLVDICVAPNGDLTRERAALHKKLAYLNTSLKDKQFLLGN RFSVADAYLFTNAREELYAAQRKLAKEV KGPYFNGEEFGLVDICVAPNGDLTRERAALHTAYGMLERQLSAWAASPAFSMADCAAAPPLVIKRYENECYRVFSVLEGQLSDFIALDRYTVADISFHAFVGGSEALARPVLGGSYARVLDTLEKELV
UniRef90_B6U9Z8 UniRef90_UPI0003631907	EALQNALLIAETILIERAFTE <mark>C</mark> SRGKAFFGGDAVGILVDVTLIGS
UniRef90_F8NS94	NAREELYAAQRKLAKEV KGPYFNGEEFGLVDLCVAP
UniRef90_J3GLZ8 UniRef90_R9APE5	NGDILITRERAALITTAYGMLERQILISAWAASPAFSMAD <mark>C</mark> AAAP
UniRef90_A1K7S9	AFVGFGSYARVLDTLEKAVSAAPYLCG EFSAADVYVGSSAALAEQTRELIMNLEKELV GKDFFGGKSVGFLDLVAGSAQKIAASIAAMEPLLQLLDRHLASHPYGAQFGMADIPIACELVARVNIKHHLHYLGWLSGSRNWLSG EQLTFADLAAAA
UniRef90_M4C8E6 UniRef90_UPI0003958B98	EALAEQTRELIMNILEKELV GKDFFGGKSVGFLDLVAGS
UniRef90_UPI0003F76F9E	ELVARVNIKHHLHYLGWLSGSRNWLSG EQLTFADLAAAA
UniRef90_UPI0003B49767 UniRef90_B1M920	
UniRef90_UPI0002E533C3	NAWCGT WISAGFDAYEAL MAQRGRESEGDAPTIADITLUTA AADMAEI VRENTAWIDAQLGDRTYLAG DRESLADIVLYC SKDKADLLTQGYASLETFLERSTYVAG DQLSLADFNVIA APWVDRQLAAAYAGLEAEISRLPPVADEAALGQAGLTSAV AAALTKAKDDVKKALQTLHLHLRTYLVGEQITLADIFIAS TEVPKERIEAITEAYDFVEGFLKKYLAGDQLTIADFSLIS VEQARKELRESLVGISPIFEDIPFFM SEEFSLVDCCLAP PAAADGLKRVARDRIAWLDGMLRTFLVGDRFTIADIWLYV
UniRef90_UPI000366ADEF UniRef90_V5I823	A A D M A E II V R E N T A WII D A Q L G D R T Y L A G D R F S L A D II V L Y C S K D K A D II L T O G Y A S II E T E II E R S T Y V A G D O II S L A D E N V L A
UniRef90_C5CXL0	A P WVD R QLIA A A Y A GLIE A EI S R L P P V A D E A A L G Q A GLIT S A V
UniRef90_W2NP45 UniRef90_B4LNK0	A A A L T K A K D D V K K A L Q T L H L H L R T Y L V G E Q I T L A D L F L A S T E V D K E R L E A Y D E V E C E L K K V L A C D O L T L A D L E C L L S
UniRef90_UPI0003628584	VEQARKELRESL VGI SPI FEDI PFFM SEEFSL VDCCLAP
UniRef90_UPI00037EFBFA UniRef90_A7E1B7	PAAADGLKRVARDRI AWLDGMLRTFLVGDRFTI ADIWLYV
UniRef90_G7X8I6	KVRYGAEVKRVAGVLDSVLKDRDWLVG DKCTYADLAFVM
UniRef90_A4SMC1 UniRef90_I3TSQ7	A A M Q A K V P Q N M R D G F A E I E R H G G P W V L G E R F S L A D I Y L F V R S L G Y G S F T R V M D T L F V A V S A S D Y L A G D D F T A A D V V L C A
UniRef90_D6V7M6	MHALEDWMERGYGALGMIEAHLRVHEYFGHLTVADLAMY
UniRef90_UPI00047AA1C0 UniRef90_V5PWI6	A E K M K K L E E A Y Q F L D K F L E G Q K F V A G N S L T L A D I W L Y V A E K M K K L E E A Y Q F L D K F L E G Q K F V A G N S L T L A D I A T I A K V R Y G A E V K R V A G V L D S V L K D R D W L V G D K C T Y A D L A F V M A A M Q A K V P Q N M R D G F A E I E R H G G P W V L G E R F S L A D I Y L F V R S I G Y G S F T R V M D T L E V A V S A S P Y L A G D R F T A A D V Y L G A M H A L E D W M E R G Y G A L G M I E A H L R V H E Y F G H L T V A D L A M Y A H G V K E A R E M L D A A Y G W L D M A G R E W A T G E R F T L A D C G A A P D V D T R A M L E R A A L L L S R M E A H L A A P Q G T S F L D T A T I A D V A A A V R A L S A M E T I E G A F E G C S G K P F F G G D G L G F V D V V L G S
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UniRef90_V5BMK5	A A V R A I S A M E T L E G A F E G C S G G K P F F G G D G I G F V D V V L G S N Q Q I E A A I K E M E H H L D I V E Q T L A P Y L S G E T F G I G D I P L G T L A A S V A N W N R N M Q M L D A Q L E K T G A Y A A G Q G F T L A D V V L G L
UniRef90_B5WLL6 UniRef90_O80852	EKLIKESEEKLAGVLDVYEAHLSKYLAGDFVSLADLAHLP

	170 180 190 200
UniRef90_G0R6C7	Q V Q G V V D R F Q F D L S P F P N K E V Y E N K N Q E F D A S P
UniRef90_H0A779 UniRef90_V4T1S0	QLAVAR ELGLTLAYPHLTAAEAA <mark>C</mark> MTLPAFHATQP F <u>WFYTYE</u> TFGNLSVEAE <mark>C</mark> PKLIAWAKR <mark>C</mark> SQKESVSAS_
UniRef90_H6CAK9	WILI <mark>C</mark> RILIDIVIY K G GILIGII IP E E W Q R W R K W A K A IV IE A R Q S IV IQ D T IL IS E
UniRef90_E8MB71 UniRef90_L8GD06	SYLKLAPEAGISLADSPDLQRWLTQVEALPGFV WVKGWKNTGFTEELAKFPHLLRWIDRVAAREAVQR V AHRWLGMPIERPATPALSAWYRRLMMRPA
UniRef90_UPI00047952C7	V AHRWLGMPIERPATPALSAWYRRLMMRPA
UniRef90_B9QYS0 UniRef90_UPI000476A7BF	Q F G H I L Y R Y Y D I D D R A D L P R L K R Y Y H R L T E R I A F R E H V C Y T Y I A H A P F G N V P I F P Y P A V I A W I A R V A A I P R F V
UniRef90_K1X5F2	QFGHILYRYYDIDDRADLPRLKRYYHRLTERIAFREHV CYTYLAHAPEGNVPLEPYPAVLAWLARVAALPRFV SFSWVNVSFFAGLDISQFKNVERWWKSIEARPAVQA
UniRef90_Q7JYZ9 UniRef90_J4VYF5	TASSILIAAIVI IDII IDEILI KYPKIVIAA WEERII ISKII IPHYEE
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UniRef90_S6GXL1 UniRef90_UPI00031ADD0D	NYAYIAHAPEGNVSLQDYPNLRAWLARIEALPGFV) GLAFAE FSGLNIPAELTSLIAWREEMAKRPCF FMRLLSRYLSLDLYQKTPKVRTWANALLAVEAVQQSV
UniRef90_I3CH84	TEMRELS RYESIDLY QKTPKVRT WAN AELAVE AVQQSV
UniRef90_F9TEV5 UniRef90_J3AAC0	L LA HI V K Q Y T G F D F L S D L P K T Q K W Q K K L M E WT R A A L E T L E K L Q D K P A L P A V R R W L K T V G E R P A V V R A V P R
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UniRef90_W1NM30 UniRef90 UPI0004664630	NCEYLVQKTDRSGLILGRKNVRRWWEEISSRPAWKKVV ALFYAGAIHP FADHPRLTGYFERLVTRPSVQRV
UniRef90_I2BWB6	FILY A WEEMPILER PAMPNILEA WY ORL OOR PAYRKAV
UniRef90_B4KAY4 UniRef90_K0CGE6	TVSQLEAFEFELKI YKHVKQWLER <mark>C</mark> KQHMA VLRW <mark>C</mark> PLFSID LNPWPALKRYLERVGERPAVRAA HLSSLKPLGLVIE AEKHPRLREWIRRMRSLPLVQ
UniRef90_X0TGS4 UniRef90_L8M201	HLSSLKPLGIVIE AEKHPRLREWIRRMRSLPIVQ
UniRef90_UPI0003B3B530	YL YAAKTRENLEW QEYPEVVDYLERLTQREAFINTV QLVNARREGVALRW PRLLAVEAACLALPAFADAAPE LERYLIDLQVADPLEAGLPRVTAWRAALAERSSVKNAVID
UniRef90_H0HER3 UniRef90_A0A024KB51	LFRYLIDLQVADPLFAGLPRVTAWRAALAERSSVKNAVID ALFFASLVHP FGEAYPNLAAYLDRLLARPSVARA
UniRef90_R9VNR6	A <u>W</u> P W <u>L</u> N A H A R Q R <u>V</u> D L E <u>D</u> Y P A <u>V</u> F N W F E R I R T R P A T <u>E</u> R A
UniRef90_UPI0002F7C59A UniRef90_E6V2Y0	QVD WG Q
UniRef90_K5UV06	WNNFLGGGLYEGKLEODLPAVAKWHAKLIERATVKK CWGWVAGYSWCGLDLEPFPHLKAWLWKLKERPG
UniRef90_G4MLL6 UniRef90_J0BHU6	CWGWVAGYSWCGIDIEPFPHLKAWLWKLKERPG VLRWAGLMKLD LSGMKNLNAFFARMEQNEGVKAA
UniRef90_L8LR54	V L R WA GL M K L D L S G M K N L N A F F A R M E Q N E G V K A A Y T H V A A E G G F D L S Q Y T A I L A W F E R I Q S Q A L F L L P K V T A A Y G L L Q A Y P G V G R Y V L Q V N Q H P A L R R V
UniRef90_B8EQW2 UniRef90_B3MGW4	TLSTVNLMFP LMRFPRLQRWFTAMQQLDAYKEA
UniRef90_L0WJQ7	TLSTVNLMFP LMRFPRLQRWFTAMQQLDAYKEA QM YNAIRFN VDLSAYPTLCRIYEYANTQPAFIAAMPK AIRFLVDEFKMGHLITERKNVNAWWKDISNRPAWKK
UniRef90_UPI0002C2E8B9 UniRef90_Q0AH14	II I IWRII ID H Y GII IKII IP K () A A A II I IK Y A E RII IE S R PII IE II ID A
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UniRef90_UPI0003B590AE UniRef90_B9S3A7	PL VNLRHAGGT LD AHPRI AAFAERLHARP CFASS LFYFELMRIKLISEEKVPVLYKWMERL CERDVICESLP
UniRef90_C8PWG1 UniRef90_W5J6E6	FYFFEIMRIKLISEEKVPVLYKWMERLCERDVICESLP WYGQLAYNAGEFLQVQNYTHLQRWAKNLHDRPAVQRAV TINSAVHCGLD LTKYPRLNAWYQSCRK
UniRef90_UPI0002EBD6FE	HILL KRCVIDEKILIRPSILIPNILIERWIVIAAILIAORPAEO
UniRef90_UPI0001DD0E9D UniRef90_W9H641	
UniRef90_A9F3Z1	<u>All GLIYRGALIGKTILPDE</u> L <u>V</u> AYQERII AARPE <u>Y</u> QR <u>A</u> R
UniRef90_X4Z544 UniRef90_UPI0003C37574	T M T N F F S A G F D Y S N Y P N IV IA K W Y A N C K Q
UniRef90_J3L7J6	YILIF FILIG K.T. P.K.A.FILLIT S.R.P.HIVIK A.WWD DILIS G.R.P.A.WK K.T.
UniRef90_V5AGY8 UniRef90_UPI0003690B16	GYALMIGVSIGLDAKFKNTQAYIARLMARPA <mark>C</mark> MRA QLFNARRFEVD LSQ <mark>C</mark> PRLLEIDEA <mark>C</mark> SALQAFQNAHP
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UniRef90_M0SXB3	WLIG WIKAVE EVELDEK KVPLL VGWA ERFLONE AAKGT MLE
UniRef90_A0D086 UniRef90_UPI0004408760	AFGWARALDRUGLSESEFPKUKAWUDRLEARPAVKA
UniRef90_D0LTG2 UniRef90_B6U9Z8	WVRGPEHFELSVDDFPNFKRWLASMSARPAVERAM
UniRef90_UPI0003631907	MMRWAKALKFD LISSLPDLNSYI ERVAARPAVDAA
UniRef90_F8NS94 UniRef90_J3GLZ8	WILID VIV VIA E H P C V K P E D A S K E W K E V A D PILIS O P E S IV V K T M S E
UniRef90_R9APE5	G WLRLT NVA QLS F E Q F PLVQ A WVE RMEKR P S T Q R A A
UniRef90_A1K7S9 UniRef90_M4C8E6	HILIGW GMMFGSII EKRPAFEEYVARILIQARPAAQRA MILIPFCLIERGWEGII GILIEKFPEYSRWVKNILIEKVEAVKD <mark>C</mark> II P
UniRef90_UPI0003958B98	E V <mark>H R W W N L P</mark> A A <u>A </u> Y Q R P H <u>Y </u> P H V E R W F A A <u>M L </u> A R P A
UniRef90_UPI0003F76F9E UniRef90_UPI0003B49767	ELSVVDY VGDVPWDEDL NAKYWYARIKSRPTFR NMGYLVE <mark>H</mark> MQATGLLDSRPNLAAYRARLMARDGYKK
UniRef90_B1M920	NMGYLVE HMQATGLLDSRPNLAAYRARLMARDGYKK ALAFSKFGPVATPLDERYEQLDQFWQRWKARPSFR
UniRef90_UPI0002E533C3 UniRef90_UPI000366ADEF	QVESARRFKVD MARWPLISAIDKA <mark>C</mark> GELDAFKLAAP F <u>A</u> D FA <u>ARR</u> AALPFDPALARLAGWFARVDE <u>R</u> PSAQQTA
UniRef90_V5I823	TIVIS S A NIV L VIPII IA S N R F P KII IA E WM S R M Q SIL IP Y Y A E A
UniRef90_C5CXL0 UniRef90_W2NP45	A WG F T Q M M L P E L V A P A D C P S L A A F A A A A E R L P A F V A L P P A L V Y P F K F V L D K E F R K P Y S A V N R W F S T L V N Q P E F Q A V V
UniRef90_B4LNK0	S I S S L V A Y I P
UniRef90_UPI0003628584 UniRef90_UPI00037EFBFA	WILLIDE GIDS IVIGUEED RAILIANII IA PWEARIVIS A RESAAAS
UniRef90_A7E1B7	SVSTAALLGEDE TRYPNVNKWFE WAFFMSGREGDQAWREEFPHFTRWQEAMLARESVKKVV
UniRef90_G7X8I6 UniRef90_A4SMC1	V A G W L E
UniRef90_I3TSQ7 UniRef90_D6V7M6	QIĞW GÜQFĞTI DRRPAFETY WARLAGRPALTRA _GYTHVAEQCDF <u>SL</u> REFPAIRA WLKRVESHPRFVR
UniRef90_UPI00047AA1C0	FILIFYADWTHP ILIDPAFANIVI IAYRKRII I IARPSFARAIVI
UniRef90_V5PWI6 UniRef90_M0V7T4	CYAYIAHAPEGNVNLAPYPAVRAWLARVAALPRFV YLGWFVVIEKMIGDSARTPALAAWAEHFRMADAAKGVLPE
UniRef90_V5BMK5	FILIY A W F E M P II IK R Q P R P H M E R W Y Q Q IL I <mark>C</mark> A R P A Y Q S A IV I
UniRef90_B5WLL6	S TNRWYMTPMERPDLPAVQSWFERLSQRPAF
UniRef90_O80852	FTDYLVGPIGKAYMIKDRKHVSAWWDDISSRPAWKETV

UniRef90_G0R6C7 UniRef90_H0A779 UniRef90_V4T1S0 UniRef90_H6CAK9 UniRef90_E8MB71 UniRef90_L8GD06 UniRef90_UPI00047952C7 UniRef90_UPI0004793207 UniRef90_B9QYS0 UniRef90_UPI000476A7BF UniRef90_K1X5F2 UniRef90_Q7JYZ9 UniRef90_J4VYF5 UniRef90_UPI00037A471D UniRef90_S6GXL1 UniRef90_UPI00031ADD0D UniRef90_I3CH84 UniRef90_F9TEV5 UniRef90_J3AAC0 UniRef90_D0KB40 UniRef90_W1NM30 UniRef90_UPI0004664630 UniRef90_I2BWB6 UniRef90_I2BWB6
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UniRef90_B0UFQ4 UniRef90_K0J842	DENKI NENSKI PAL ADDA PII LESCAI LI AL SCREL
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UniRef90_C8N679 UniRef90_J0KT80 UniRef90_K0C5E9	M R L I G M L D S P Y V R R V A V S L N A F G L P F V H E P L S V F R D F D A H A L L E E L G V D Y D V H L L D L A G T Q R Q P L K L L G L W V S P Y T H R V K L A L S F K G L S Y E Y V E E D L S N K S E M T L L W G S G S C P C W R A M I A L E E K N L Q Y N H K L L S F D K M E H K S L K L Y F D T L S Q P C R S L L I F L E S N K I P Y E P K L V R L K G E Q N T P K L Y G F A V S N Y Y N M V K L A L L E K G V P F E E V P F F A G Q T P M T F F S D P T D H Y S H R V R I V L A E K G V A V E V V E A E K G D L P T R V R W A L E E A G L P Y Q V R L I D P K V Q A S A K I V G V P V S T C T R A V T V A L K E I N V P Y E I E P V D F A N M K S N E F Y G T G T T N P W K I K F L F D E L G I D Y V Y E D I D I F N E H K R K M K L Y F A P D A C S L S P H I V L R E L E L P F E L I R V N N R S K R S A D K L Y Y A P G T C S L A A H I A L R E C G L D F E L V R V D I R Q H Q L A D L T L H Y F P G S C A F V P H V A L E W S G L P Y R V Q A E T K A S L K E P L T L C G F S A S N Y Y N K V K L A L L E K G V P T T E E L A W I G E T D R S A L Q L Y S L A T P N G V K V T V M L E E L G A E Y D A W L V N I E G D Q F G S L A L Y A H P F S S Y C Q K V L V A L Y E N Q V R F E Y R H L E A P G N M D K L I G S W A S P F S R R V E M A L K L K G V P Y D Y L D E D Y L V V K S P
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UniRef90_J3AQH6	L L IP A D A A II IG M R MIL ID R IV IF D N Y IV IM G P M Q E IV V IN E Y IL IF	RDAENPD
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UniRef90_Q945W4 UniRef90_UPI0002A485DA	L L P S D S Y D R A L A R F W A A Y L N D K L M P S W L Q S S M G K L I P D A A E E R A L M Y Q R M F E G F Y E K L N N V L Y Y D L F V	/ PEEERA
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UniRef90_B8QZV0	IL LIPANAAGRARAIVIT WILIFNSII IEII IAII IQPILIAEIVIDILIFF	FAQEEWA
UniRef90_UPI0004407D1F UniRef90_D3AZQ3	LIPKEPKANALFEQAMNNDFYPYASGLAAEKVFK FIPDDPHSYA <u>DV</u> LQW <u>LA</u> WGLGPM <u>N</u> GQYTYF <u>S</u> CFA	(P M H E E R
UniRef90_G0B3U0	LAPPSHTFERVRLQEWLNFITAEIHAGASPLFNA	A T LQEEV
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UniRef90_C8N679 UniRef90_J0KT80	II I PADPAGKIVIREII I II EMEII I <mark>H</mark> II IEII VIARNII IYPOAFE	- G G I IVIS F
UniRef90_K0C5E9	ILLIPKEHGARTE <mark>C</mark> MNWILEWOOGAAPEGGGEGHEYA	ΔΥΔΡΕΚΥ
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UniRef90	1 1 2	MRILYDYELSGN <mark>C</mark> YKIIRLFILSTLGKSFDTQTVDFYPEHKSE
	UPI0004695A7B	I IL IN S T W K S S A A T K IV IK IL IA IL IA IL IK K IL IF T Q IV IA <u>W N IVIA</u> K G E N Q Q F
UniRef90_		TLYTYFRSS <mark>C</mark> SGRLRLALHLKNLDYTVYVNLLQGEQASA
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UniRef90_		T P N G O K VOI FILE FILA V VI GT T WN I M T N F O K K D
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	UPI0004109471	LTVYGVYKSRAS RLYWLLEELGVPFEKVPVDAPLNTRSP
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UniRef90_ UniRef90		I L Y H Y P M S S S R F I R L I L S E Y E F K P D M V E E Y P W G K R R L T I L G F W G S P F V L R V K W A L E L K G V Q Y Q Y V E E D F K N K S D
UniRef90_		II ITII IWG RII IN S H NIVIK KIVIA WE A G E II IGII IP Y IVIR H DIVIG G R E G M S A
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UniRef90_		FYYLPGSAPCRSVALITAKALVLELNFKLTDLAGENLITP
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	UPI0003C7FFDC	MIELFTADTPNGKKISI MLEEIGYDYKVTKVDI NDEQFKP
UniRef90_	A9QVL5	<u>KIVIY GPAYASAI RRIVLIA CIFIVIE KIGII EFEIVIPIL DIL</u> LIK GE QK N P
UniRef90_		L L L Y T N H R C P WA H R A H I AL E E L K I P F E E V I I D L D T P R T P
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UniRef90_		LIKLIFKDRMCPYCQRIVLIJITAKEKRVIKLEEVEVIPLI GDDMPQ
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	UPI0004700711 A0A059AUC0	LIBERNOS PENDRENGENALIKTS GILAV DV I LEEDILINKS A
	UPI00037F5FBD	L LGLWVS PFVR RVEWAL KLK GI A Y D Y I E E DL LNK S A LK VY A N P F S S P S N K V R Y A V S A L E L E H E F H N V N L T G E Q R S A L V F W S G W F C P Y N Q R V W I A L E E K G I P Y Q Y K E V N P Y H K E E L T I L G R A S S I N V R K V L W L C D E L D L D Y Q R E E W D G F R S T H L P M K L Y G V A F S P Y A Q R C L M V A R A K G H D L S L L P P P P D G D W R S P L K L L G S W A S A Y V T R V K L M V L K S V T Y D Y V E E D L R N K S D L K L L G S W A S A Y V T R V K L M V L K S V T Y D Y V E E D L R N K S D
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UniRef90_UPI0003B70958 UniRef90_UPI000466CDD9	D F L A L N P N G K I P A L I D N N D F A V F E S G A M L W Y L A E K Y G Q F [E L L D L N P Y G T I P T L I D R D L T L F E P H I T L E Y L D E R F P H P	L P
UniRef90_E4UBQ5	WFL KRNPWGLAPTLELNK KVIYESARI IMEYLDERFPHP SLLSINPRGLVPTLIORE LVLYEARI IMEYLDERFPHP SLLSINPRGLVPTLSCRAAKPLYESTVILEYLDEAAPDP EFQAINPSCLVPVLDDDGFVLTESGAIIRYLAGMAQSL EHYALHPGKVPILLBDA GQVLSGSDVILSHLAAQYDSH AYRQIAPFGKVP LLEDA GQVLSGSDVILSHLAAQYDSH AYRQIAPFGLVP MLEIDGLRIGQSMAALEYLDEKHPVA AYRQIAPFGLVP MLEIDGLRIGQSMAALEYLDEARPEP AHRALNPSATVPVAHADGGRALGLEVTLVILEYVDEAFDGP WFLALNPNGRIPIIIVDGAPLFETSAELLYLLKKYDKD LLAHNPNGRIPIIIDNPPFPAFETSAELLYLLKKYDKD EFLALNPNGRIPIIIDNPPFPAFETSAELLYLLKKYDKD EFLALNPNGRIPIIIDNPPFPAFETSAELLYLLARRKHGG AYLQHNPQGLVPALEIDGGMMTQSVAILEYLDEARKHGGG AYLQHNPQGLVPALEIDGGMMTQSVAILEYLDEARKHGGGAYLLSSNPVHKKVPVLLHHGKPITTEVTTILTYLAADLVPEKA LLSSNPVHKKVPVLLHHGKPITTEVTTILTYLAATRYGGA GFVSANPNSKIPALMDHPPTRVFESGSILLYLAATRYGGA GFVSANPNSKIPALMDHPPTRVFESGSILLYLAATRYGGA GFVSANPNSKIPALMDHPPTRVFESGSILLYLAATRYGGA GFVSANPNSKIPALMDHPPTRVFESGSILLYLAATRYGGA GFVSANPNSKIPALMDHPPTRVFESGSILLYLAATRYGGA GFVSANPNSKIPALMDHPPTRVFESGSILLYLAATRYGGA GFVSANPNSKIPALMDHPPTRVFESGSILLYLAATRYGGA GFVSANPNSKIPALMDHPPTRVFESGSILLYLLBCYVDERKYGKP DFLAALNPNGKIPALMDHPPTRVFESGSILLYLSEKYGKP EFVKINPQGTIPTUVDD GFAAIWESRAALAVYLVEKYGKP DFLAALNPNGKIPALDD GFAAIWESRAALAVYLVEKYGKP DFLAALNPNGKIPALDD GKSISESLVILEYLDERFPKR HGGGA	R
UniRef90_I3SA93 UniRef90_D4Z1K4	ML L Q Y N P V Y K K V P V L V H D G K S I S E S L V I L E Y I D E L W K Q N A Y V A M N P N R L I P T I E D G D V V L W E S N A I L R Y L A A R Y A P E	P S
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	E F L K L N G A G Q V P T L E L D D G R T L A Q S N A I T R Y L A R G S	R
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UniRef90_UPI0002488660 UniRef90_C5WM50	A F E A V W P I R K F P V V D D G A G R T I P E S S I I I E Y L D L A R P G A R L L A A N P Y G K I P V L L L P D G R A I C E S A V I V Q Y V E D V A R G S	A G
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UniRef90_A9QVL5 UniRef90_G2R1V4	DFLKLQPFGLVPVIEDG DFTLYESRAIIRYYAEKYATT EYLKINPRGLVPALS YNGEIIIESAIVVQFLTDAYP S	
UniRef90_A2SHP0	EYLKINPRGLVPALS YNGELITESALVVQFLTDAYPS EYLKLNPLGVVPTLVHD GRPVLESSVICEYLDDAYPVI	D
UniRef90_M2R4K3 UniRef90_K1QBB4	HFLEINPKGLVPALE YKGEALYESVVLCEFFEDAYPDPDLLRLNPRGQVPTFKDG DIVVNESNAICEYLECTYKGT	R Q
UniRef90_A0A052ID95	HFLEINPKGLVPALE YKGEALYESVVLCEFFEDAYPDPDILRLNPRGQVPTFKDG DIVVNESNAICEYLECTYKGTEFLKINPLGAVPALVDG DLVLTQNTAILEYLAESVPEAEFVKINPQHTIPTLVDN GFALWESRAILVYLVEKYGKT	Ĝ
UniRef90_R4S8C5 UniRef90_A0A059LRE0	EFVKINPQHTIPTLVDN GFALWESRAILVYLVEKYGKT EFLKINPLGTLPALTDG DVSIGDSFAIMSYVCTTRSVP	S H
UniRef90_J7Q7B3	EFLKINPLGTLPALTDG DVSIGDSFAIMSYVCTTRSVPEFLALDPAGRTPVFVDDDGLVAPGANLIAEYIDETYGAQDYRAVNELGYVPLLVLDDGTTLREGPVIAQYLADRRPEA	R
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UniRef90_W4HG80	DYLALSPAGRVPALE IDGRTLFETGAI TEYLCERFPDA	Ġ
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UniRef90_D8MRK9	DYLLTNPKGQVPALLLDDDGTVLTEGVAI VQYLADLKPDR	Ĥ
UniRef90_S7Z7R3 UniRef90_L7S1Q3	EYILIKILIQPILIGKII IPAFEGANGFNILISEIVI IAII IAII IYIVIT SQNEKTI ILLVQSNPVHKKIVPVLI IHKGKPVCESII II VIQYII EEAWFSP	۱ F
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UniRef90_M7T3S5 UniRef90_UPI0004700711	EFILIALIN PRGIL VIPIRD GEI QKPILIYES AIVI <mark>C</mark> EFILID EA FT GD EMILIALIS PKGTVPV LIS ADGRIVI ID ESITIALI MOWAITA OHDPD	D D
UniRef90_A0A059AUC0	LLRLNPWHQKVPVLVHAGRVVCESFLILEYIDETWKQL	P
UniRef90_UPI00037F5FBD UniRef90_UPI000444A81C	AFIVIAIVIN PMSKIVIPIVI IQDGE FILLIESDAILLIRYILIAIKH NS DFLKII N PRGQVIPALE YKNRPII YESILII ICEFILEDAFPKP	N
UniRef90_E1SI46	EFMALNPNAMVPVLKDD DFVMWESNAI LRYLANAYGGE	W
UniRef90_M4SHP2 UniRef90 UPI0003EAC4E5	L L L E S N P V H K K V P V L I H N G K P I C E S Q I I V E Y I D E V F D G F	S S
UniRef90_M4B1F4	EFGALNPNGLVPVIKDD DFVLTEGMAI LLVLSDKLGWN	Ď
UniRef90_C6AS29 UniRef90_M2TMQ0	AFVEVNPNSKI PALMDHPPVRVFESGAI LLYLARRHG GAF	
UniRef90_UPI0002487F9E	E Y R A V N P S Q K V P A L V D N G T T L V E S M A L L Q Y L E E T R A T B P E F R E Y N P V V K A P T L V C D D G T V L M D S T L L D Y A E A L A P R R R R R R R R R R R R R R R R R R	Ť
UniRef90_L9PJY8 UniRef90_V4URM7	A Y	K S

UniRef90_B7S1N3	90 100 110 120 FIPKDEPARAE <mark>CLSWL FWQMATPF L GGGFGH</mark> FYAYAPEKY
UniRef90_A8JX24 UniRef90_Q5X1I6 UniRef90_B8N575	L Y P K D A Y K K A R H K L F M E H F A K V L P L F Y E L L R H L L P V Y P V A R A E A R K M M H R L E E S L L P V D P Y D R A R V R L WY V T S R L L P A F H R F L Q Y Q P K A G G E D P
UniRef90_G2IV28 UniRef90_E1V536 UniRef90_M9RNS0	Y P A D D E A M E W F Y S N Y Y K D H G Y G L V Y P Q L F P H H R R P T E E A H L Q P A E T W A R A Q T D Q W L A G Y V D Q A L V R R Y L L E F V F P K G E G G W H P Q N L R G D L S K W M H V A D E L T K T A S A A R L H D T F F Y D D T A R
UniRef90_UPI0004695A7B UniRef90_G3J2J3 UniRef90_R0EES5	L L P D D P A Q R A Q A R A L A M H P L N N L R T L N Q L R S Q F G A D D A Q V L L P A D A V S R A R A R A N I I A C D V Q P V T N L R I L K R L R A I D A D A L A P P V G S S E R A P Y L S W S F W L A N S F Q P H F R A W F Y P H E P A G G
UniRef90_B6TS91 UniRef90_R1GKT0 UniRef90_E3HV96	L L P A E P H A R A D A R F WA H F L D Q K F A R P F WM S F W T D D E E R R E F G F K D E L E R S Q A L Q WL F F WH G S G A P Y Q G Q L N H F G K F A K D K L WP A A G T P E R L L A M S WC A W S Y V S Y G A A V M R L F L A A E G A P G
UniRef90_UPI0004109471 UniRef90_UPI0003B52798 UniRef90_W3SA39	L A P A D L S E E G R M L H W L F W G T V Q V T Q G D E R G A W E S E E G Q E K L L P T D T L A R Q R V R M D I H P V C N L G V V R H V M D M A T A H G E D P D L I P K S S S F E R Y E M M S L L S F I S M D I H K N F S A F F Y K E K I D S W
UniRef90_Q9FQB3 UniRef90_V8R5J7 UniRef90_A0A059EE35	I L P A D P H G R A T A R F WA A Y L D G K L F P A WT G L M K A A T E E A R A L Y P A E P L A R A R V D Q W L D W Q A W S Y P L M A L V R K S P D Y Q D R D A F L P K D A R K R T F A L S W L F W Q M G S A Y L G G G F G H F Y A Y A P L K L
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UniRef90_F3KRJ6 UniRef90_H1SCE2 UniRef90_J3NVU1	A I PREDAEALIRWS FWI MIEVEKDALIVLMHRFSMPEPQRK LIYPAEPKURASVDRWLDWALERPV FWGFVRTPAAERDVAR LIMPRDPYERAR <mark>C</mark> RIIWI DHII AKKIV VPGFYKIL LQHTPEKPYS
UniRef90_UPI00040C1FBE UniRef90_J3JZ47 UniRef90_Q9FQE5	L
UniRef90_U3BJF3 UniRef90_UPI0002488660 UniRef90_C5WM50	PTELTARTRVMN WLF WLQGSAPYLGGGGFGHFYAYAPEKFE PMAPEAALEARLWD RLFDN YVAVPMQRI VAERIRGIDVKD LLPDDPYERAMHRFWFIDDKFWPALDAVSLAPTADARAQA
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UniRef90_J7Q7B3 UniRef90_A4JKX0 UniRef90_B1B562	L L P Q E M A A R D W F N V K F F D E V T N W L I T E K V Y K R F A P P D M D V L A P A Y G T L A R Y R L M E W L N F L G T E I H K G F I P L L Y A A Q T G K Y S K L I P E C P A E L A M M Y Q R A F E G Q T L A Q K M A D V I Y Y N W K V P E
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UniRef90_G2Q0J5 UniRef90_S4PN50 UniRef90_H0Q0C1	S F P A G S N E D Y L A K Q WL F F G Q G P Y Y G Q A V W F T T Y H Q E K L P S L V P N T P L L R A R M R E I C E I I V S I Q P L Q N V G L R T H F S N E E Q Y L M P T A I P E R A L R I I G L V L A A C E K S V Q L V Y E R Q L R P T E K Q H F I P K D W A Q R T E V L N W L F W Q M P F V G G G F G H F F N Y A P E K L E Y L S V A D A G E K F H Q L Q W L F F G Q G P Y F G E A V H S M R Y H S E Q L P S
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UniRef90_Q1QII6 UniRef90_V9ZUX7 UniRef90_D8MRK9 UniRef90_S7Z7R3	NTPANRAQLIS WLMFI AS GLGPYS GQAVHFK DYAPK GMDY LAPADSPDYPEYLQWIHFAESS GILPLLLDMFVRK DGSPM LLAPTGHLTRYQTVEWLNFIATELHKTISPLFGSATPEAY LLGKTKQDYASIVRWMSFANSELLIQFGWYRPLLGLDAYN
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UniRef90_Q0FK36 UniRef90_K7J3Q7 UniRef90_A0SZK3	
UniRef90_A3JIH1 UniRef90_B1N6G1 UniRef90_E9ILD4	L I GSSPY QRHRVEFFLSE GDL I KAYFGL LRDPFNEEKRK L LPEDAAGRTETL N WLF WQMSTPML GGGFGHFYAYAPEKY ANLAEEGEVAMWTLWAATEAEPHAI QI LYHRLMKQGEERK WYPSDSKKQAKVDEYLEWQHLNTRLHCATYMRGKPPKPEK
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UniRef90_E1SI46 UniRef90_M4SHP2 UniRef90_UPI0003EAC4E5	L Y P L H P Q T R A P V D Q W M D W Q W R Y A F M S L V R N S P A H Q D P R L L L
UniRef90_M4B1F4 UniRef90_C6AS29 UniRef90_M2TMQ0	L LPADPHERAVARF WAAY LEDKILTS WKKVFRAKTEEERA LYPKDAKVRAEVNEYLHWHHTNTRLFTFNIFRPATAKQS N LSGQTVEEDGLLTMWTVWAAAEVEPHTVKIVLTYDNELEN PQAHAARTEALNWLFWLQGAA PFLGGGFGHFYAYAPMKI
UniRef90_UPI0002487F9E UniRef90_L9PJY8 UniRef90_V4URM7	PQAHAARTEALNWLFWLQGAA PFLGGGFGHFYAYAPMKILYPTDTRQAALWMTWSTDSFMGTFFPVFWQLVRTEEVERDLAPPLGDPLRGPYLRWMAFYGSCFEPALVDKWMKNTPADKLLPDDPEKRKFADELFS HIDTFTNDVYTSFKGDPAKQ

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UniRef90_B8N575	VEQARANLLESILTS LDPVFADKPYFL SDEFS LDCALAPTAGLER LRQEFLGHLKEWTREMGPFFLGDQITLPDLVLAPAGTLAWGKQKAQHWLGILDKDLRPFLCSDTLTLADYVGAETVREDAVADARPGVVKVLTLLEEQLAEEGDFTIADALAAPAGAKKVFRSLDEHLWFAEQRGHDWLLPAGHPTIADLA
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UniRef90_G3J2J3 UniRef90_R0EES5	QAWSVELISDGLRAYEEAAASAGRYSVGDAVTVADVALMP EAVDAVKEAARVRGLARLDAHLADRDVIDRFSTVDLLVTL
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UniRef90_F8G089	II IA A G.C. A D.W.A.R.Y.M.H.I. I.I.D.R.O.II.I.A.S.T.G.A.Y.IVIA.G.S.O.F.T.II.IA.D.II.I.P.II.I.G.II.I.
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UniRef90_D4Z1K4 UniRef90_F3KRJ6	A A A I A D S A R E S G E A ML I L D R A L A P WL S G D S F G V A D V P M G V
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UniRef90_UPI000350D775	T E WA Q K <mark>C</mark> A S G F Q A L E V L Q Q T A G R Y <mark>C V G</mark> D E V S M A D L <mark>C</mark> L V P Q A A D A S V A A T E P L W D I V D A H L R P Y F A G D A L T I A D I P L A C
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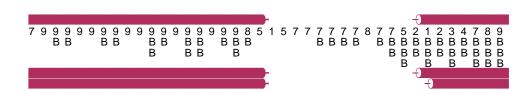
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