QUERY	1
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UniRef90_D8RD53	T T DIL IR S RIL IA E IL I I P G E Q E RIL IK K E H G S V P IL IG Q T T V D M
UniRef90_A7RI62 UniRef90_UPI00022CAC42	SKTTSLKETFANKL PGEIEKI KKLRKEHGNKVI GEVTLDQ TTDLRSRLAELI PGEQERLKKLKKEHGSVPLGQTTVDM SLKTTLEKI VPEKQQEVLSFRKEHGNKKLGEYTI DQ TDLKKLLAEKI PKEQERVAAFRKKYGTTKVGDVTVNM AYAQSLKDRMAELI PQEIENVKATRAAHGAKSLGDVTVDM
UniRef90_F5HE76 UniRef90_A0A024JNG3	A Y A Q S L K D R M A E L I P Q E I E N V K A T R A A H G A K S L G D V T V D M A K E P T L K E R F A E L L P E K I E Q I K K L R K E H G N T V I G E V L L D Q
UniRef90_U4L357 UniRef90_L0PDR3	AKEPTLKERFAELLPEKIEQIKKLRKEHGNTVIGEVLLDQ STQKDLKETLKEVIPAKREQLKKLKAEHGNKVIGEIKVEN TTLKTKLMDIIPQEQEKVRELRIKHGKKSLGEVTLDQ NTDLKQALRELIPAQQERLKALKKGHGSKSLGEVTVDM
UniRef90_A8JHC9 UniRef90_T0RFQ2	N T D L K Q A L R E L I P A Q Q E R L K A L K K G H G S K S L G E V T V D M S T S S L F E V L K E Q V P L R Q E A M K K L K A E H G N K V L G E V T V D Q
UniRef90_N0DTE0 UniRef90_F0YCH1	EPTLKERLTQIIPGKIAQVKKLKEEHGEKIIGT <mark>C</mark> TVAQ ASSLKE <u>VL</u> AEQIPAKQAELKELKTKHGS <u>K</u> VLGEVTVDQ
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UniRef90_K5X4S5 UniRef90_K3VF07	- A K O K -
UniRef90_UPI000273CF37 UniRef90_G8TH82	A S S K N L K D L L A D L I V K E Q A R I K T F R Q Q H G K K V V G Q I T A G I L K D R F K V K S E A H A A E V K E L L K Q N G S K K I G E V Q L S Q
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UniRef90_W9VDQ0 UniRef90_F4S4M1	S S E L D L K S Q M Q E I I P E Q Q D R L K K L K S E Q G K V P V G N I T V D M A A E P D L K A T L Q S V I P E K R E L L K Q V K S H A D K K I G D I T I G Q S T K S I H D E L A E I I P E R L E L A K K L K S E H G D K K L G D V Q V S H E S N I K E G G E A K I G G E N V T L P V Y K G T L G P D V V D V R G L F T
UniRef90_UPI0003A97C76 UniRef90_C0S9Y7	ESNI KEGGEAKI GGENVTLPVYKGTLGPDVVDVRGLFT AESELKTVFEKA <u>LP</u> AKKE <u>LF</u> QEVKKR GEDVIGEVTVAS
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UniRef90_UPI0002F087A7 UniRef90_B7G9P5	T T L Q E T L A A Q V P E K Q K K M A E L K K S Y G S E V I G Q V T V D Q
I IniRafan Anansai S11	H G S IV IK II IG E IV IT IV IE O
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UniRef90_B0SZ03 UniRef90_A0Z1T4	KATL TIGDKSYDLPILKGSTGPDVVGDSDHFT IDLPVLQAELGPDVVGGNGLFT
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UniRef90_B2JMF3 UniRef90_F4C788	
UniRef90_G7UT82 UniRef90_M5EBI7	V L K P T L G N D C V D I S K L T K E T G L F T A S T K S L T E A V A E I V P A K R E Q L A K L K S E H G D A S L G D S K V S H
UniRef90_S4RXU5 UniRef90_F2IGT8	EKAIDI SKI RAE TGFITLD VLKPTLGNDCVDI SKLTKETG LFT ASTKSLTEAVAEI VPAKREQLAKLKSEHGDASLGDSKVSH SSTTNLKDVLSEI PKEQARVRDFRQENGNAVI GQVTVDM AIDI SKLRQE TGYVTLDT SSKNL TLTDNTTGKSVELPLLEGTLGNSTI GELGYFT
UniRef90_K0C2T6 UniRef90_W4KL86	SSKNL TLTDNTTGKSVELPLLEGTLGNSTIGELGYFT HSHKVVGDVTVEN
UniRef90_E0TG23 UniRef90_UPI0004560179	STLNQTGTATLDGK EFPVYSPTHGNDVIDETGKFT ASTKSLKDAVAELVPEKQEQLKKLKADYADASLGEIKVSN TIDGKTVEFPVMTGVHGNDVIDIRTLGA IDVRKLYAETGH FT IGPAVVDIGKLYAK TGMFTYD STASSLKQRLKEVIPDKREKFTKIKKNYSDVKVGDMITIGS
UniRef90_W0SF54 UniRef90_A8TUI2	T L D G K T V E F P V M T G V H G N D V I D L R T L G A L D V R K L Y A E T G H F T
UniRef90_B8EK89	I G P A V V D L G K L Y A K T G M F T Y D S T A S S L K Q R L K E V I P D K R E K F T K I K K N Y S D V K V G D L T L G S
UniRef90_V8G954 UniRef90_M5R9V9	PEVLDI RKLYGQS DMFTFD GERGIDI SQLRAK TKLITLDD
UniRef90_F8EL97 UniRef90_A0A023D7L6	EKALIDI NSLRD STGYLTIDS RVSGTLGADALDIRKL _ FGGDDLVT
UniRef90_A9HII7 UniRef90_K2LX45	LEGKTASLPVLSGTLGPDVLDDMGVFT SKTSHTVTLTDNATGKSFELPVIEGSVGPSVIDETGYFT
UniRef90_U2J0Z6 UniRef90_U2XQC0	E K A I D I S K L R D Q S G
UniRef90_Q0FAP0 UniRef90_UPI0004134D17	
UniRef90_D3S905	T L T D N T T G K S L E L P L Q E G A H G P N C L D E L G Y F T
UniRef90_UPI000410F4C9 UniRef90_UPI0001D2F4AD	KATGHFTYD
UniRef90_D6ZAD2 UniRef90_F5YSI0	STGYVTYDE AATDDTATL KYPGGELELPIVHATDGSDKTGYTTFDN
UniRef90_UPI0003FA67CC UniRef90_UPI0003625695	KATLQ IDGQSIELPVLSGTAGYD <u>VI</u> DVRTLFT VITGTIGPEVIDIRSL YGKT NAFT

	50 60 70 80
QUERY UniRef90_X1YBN5	MYGGMRGMKĞLVYETSVLDPDEGIRFRGYSIPECQKMLPK MYGGMRGIKGLV <mark>C</mark> ETSVLDPDEGIRFRGLSIPECQQVLPK
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UniRef90_R7VHK1	MY G G M R G I K G L V T E T S V L D P E E G I E F R N Y T I P Q C Q E I L P K
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UniRef90_U4L357 UniRef90_L0PDR3	V T G G M R G L K G M L WE G S V L D A N E G I R F H G K T I K D C Q K T L P K V Y G G M R G I K G L V WE G S V L D P E E G I R F R G L T I S E C Q D K L P K
UniRef90_A8JHC9	All GGMRGII PGMII WETSII I IDPEEGII RERGII ISII PEII IQEKII IPA
UniRef90_T0RFQ2 UniRef90_N0DTE0	A V C C M P S V K S T V T F T S S I D A F F C I P F P C F T I P F C O A K I P K
UniRef90_F0YCH1 UniRef90_Q75ES5	CI IGGGRGIVIK CMII IWFTSII IIDAAFGII IRFRGYTII IPFCQPTFKG
UniRef90_S7QGM5	IV VIG G M R GILIK A MILIWE A SIV LID P N E GILIR E H G M T ILIP E C O K HILIP A
UniRef90_K5X4S5 UniRef90_K3VF07	LYGGMRSLPALIWDGSVLDAEEGIRFRGKTIPDIQKALPK VYGGARGIKALVWEGSVLDSEEGIRFRGKTIPECQELLPK RYGGMRGIKGLVYXTSVLDPDERICFRGFNIPEYQKLLPK
UniRef90_UPI000273CF37	VYGGARGIKALVWEGSVLDSEEGIRFRGKTIPECQELLPK RYGGMRGIKGLVYXTSVLDPDERICFRGFNIPEYQKLLPK
UniRef90_G8TH82 UniRef90_M5GEI6	TYQGMRGITGLVSETSLLDAKEGIRFRGYSIPELQKALPK VJGGMRGLKAMLWHCSALDPNTGIRFHGLTIPDCQKVLPP
UniRef90_W8C3B4 UniRef90_I0AN18	II IY G G M R GII IP A II I I <mark>C</mark> F T S S II ID P F F GII IR F R GII ITII IQ DII IY D K II IP K
UniRef90_P24118	
UniRef90_X8JF07 UniRef90_G0QN84	I V G G M R G L K A M L W E G S V L D P N E G I R F H G L S I P D C Q K A L P P L I G G M R G I K C L M S D L S R C D P Y D G I L F R G Y S I P Q L K K L L P K
UniRef90_U7PMQ9	<u></u>
UniRef90_Q9M1D3 UniRef90_W9VDQ0	V L G G M R G M T G L L WE T S L L D A D E G R F R G M S P E C Q K L P S V L G G M R T M K S M V WE G S V L D A N E G R F H G R T A D C Q K E L P K V F G G M R G L K S M L W D P S V L D S E E G R F W G R T P E C Q Q V L P S
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UniRef90_UPI0002F087A7 UniRef90_B7G9P5	Y D P G F M S T A A C N S S I T Y I D G D K G L L Y R G Y P I E Q L A V N C D C I G G A R G V K C M L W E T S N L D P D E G I R F R G L T I P E C Q P T Y S G A L G G M R G L P G M L W E T S L L D A E E G I R F R G Y S I P E L Q A K L P G
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UniRef90_UPI00026257D1	P G F M S T A S C E S K T Y D G D K G L L H R G Y P E Q L A L D P G Y V N T G A C T S A T F L D G E E G L R Y R G Y S E E L A Y D P G F V S T A A C E S K T Y D G A N G L L H G Y P E Q L A
UniRef90_UPI0002557CA6 UniRef90_UPI0003705DFC	P G Y G S T G S <mark>C</mark> E S A I T Y I D G E K G L L <mark>H</mark> R G Y P I D Q L A N K
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UniRef90_S4RXU5 UniRef90_F2IGT8	A Y G G M R G L K G L V T E T S V L D P D E G I R F R G Y S I P E C Q K L L P K G Y K N T G A T T S A L T F I D G F F G I R Y R G Y P I F O L A
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UniRef90_W4KL86 UniRef90_E0TG23	FDPGYTSTASCESKITFIDGDEGILLYRGFPIDELIA
UniRef90_UPI0004560179 UniRef90_W0SF54	F D P G Y T S T A S C E S K T T F I D G D E G L L Y R G Y P I D E L A L L G G M R G L K V M L W E G S V L D S E T G I T F H G K S I P D L P T G N D I K T G G F L S T A S C Q S K V T F I D G D E G L L Y R G Y P I E Q L A F D P G F T S T G S C E S G L T F I D G D E G L L H R G Y K I E D L A P G F T S T A S C E S E I T Y I D G D E G L L Y R G Y P I A Q I A V I G G M R G N Q S M F W Q G T S L D P E E G I R F Q G L S I P E C M D Q M A G
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UniRef90_U2J0Z6 UniRef90_U2XQC0	PGFKNTGATKSAITFLDGEKGILYRGYKIEDLA PGFTSTASCKSSITYIDGEEGLLHRGYPIEQLA
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UniRef90_D3S905 UniRef90_UPI000410F4C9	Y D P G F M S T A S C R S D V T F I D G D E G L L Y R G Y P I E Q L A P G F T A T A S C K S S I T Y I D G E E G L L Y R G Y P I E Q L A
UniRef90_UPI0001D2F4AD	P G F T S T A S C E S K T Y D G D A G L L Y R G Y P D Q L A G F M N T A S T K S A T Y D G E H G L R Y R G Y P D Q L A Q K
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JURNER990 (JURNO2736737) JURNER990 (JURNO27	UniRef90_Q75ES5 UniRef90_S7QGM5 UniRef90_K5X4S5 UniRef90_K3VE07	A P N G R E P L P E A L F WL L L T G E V P T E T Q T K A L S A D L MS R S E L A P G G K E L L P E S M L W L L T G Q V P T E S Q V R Q L S A E L A A K G A L A P G G Q E P L P E G L F W L L V T G E I P T Q E Q V I Q L S K D W A A R S A I A P G G K E P L P E G L F W L L T G E I P T G C Q V I Q L S K D W A A R S A I
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June 20 Colon A	UniRef90_W8C3B4 UniRef90_I0AN18 UniRef90_P24118	LECGEEPLPEAVFWLLMTGKIPSKEQAKMITDEWNDKAEL VPGGEMPYVEGFFFLLTGDIPSMKDVEEVAEEFKKRQDV ADPNQEPLPEGIFWLLMTGQLPTHAQVDALKHEWQNRGTV
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UniRef90_MSEBI7	UniRef90_B2JMF3 UniRef90_F4C788 UniRef90_G7UT82	ADFLET <mark>C</mark> YLLIKGELPNAQQKEEFEDTVTKHTMV EKSTFLEVAYLLIYGELPTQDEFTDFQNKVSRHTLI RSSFTEVSYLLMHGELPSAAELGKFEDEVTHHTMM
UniRef90_W4KL86 UniRef90_E0TG23 UniRef90_E0TG23 UniRef90_UPl0004560179 UniRef90_W0SF54 UniRef90_A8TUI2 UniRef90_A8TUI2 UniRef90_G6FKS4 UniRef90_Q6FKS4 UniRef90_V8G954 UniRef90_V8G954 UniRef90_V8G954 UniRef90_F8EL97 UniRef90_F8EL97 UniRef90_A0A023D7L6 UniRef90_A0A023D7L6 UniRef90_U2V2QC0 UniRef90_U2V2QC0 UniRef90_U2V2QC0 UniRef90_U2V3QC0 UniRef9	UniRef90_M5EBI7 UniRef90_S4RXU5 UniRef90_F2IGT8 UniRef90_K0C2T6	GRPGKEMLPESMLWLLLTGKIPTAEEAKGLSQDLVSRAKL APGGAEPLPEGLFWLLITGKVPTQEQVSWVSAEWAKRAAL ESATFIEVAYLLIYGELPTQVQLDDFISSITKHTLV
UniRef90_W0SF54 UniRef90_A8TUI2 UniRef90_B8EK89 UniRef90_Q6FKS4 UniRef90_V8G954 UniRef90_V8G954 UniRef90_P5RSP99 UniRef90_A9AD023D7L6 UniRef90_A9AD023D7L6 UniRef90_A9AD023D7L6 UniRef90_UniRef90_U2J0Z6 UniRef90_U2J0Z6 UniRe	UniRef90_W4KL86 UniRef90_E0TG23 UniRef90_UPl0004560179	A P G G K E I I A E S MLWL L MT G K V P T E A E V R Q L S Q E L A E K G E L E Q S D F I E T A Y L L L H G E L P S M S E L K N F R S N I T Y H T M V G V K G S E L L P E S M L W L L L T G K V P T A E E V K G L S Q E L A A K G K L
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QUERY UniRef90_X1YBN5	PSHVVT MLDNFPTNLHPMSQLSCAVTALNPSHVVTMLNNMPTTLHPMSQLSCAVTALN	SESNFARAYAE
UniRef90_UPI000359FF7A	PNHVITMLNNFPSKLHPMSQFCSAI JAMN	SESKFAKAYSE
UniRef90_H2Y5U8 UniRef90_UPI00026573D6	PNHVIT MLNNFPSKLHPMSQFCSAITAMN PTHVVNLLDQLPSSVHPMSQLSAALTVLN PSHVVNLLNNLPAKVHPMSQLSAAITACN	T E S IV F A K A Y A E T F S K F IV K A Y N F
UniRef90_R7VHK1	PGHVVITMLNNFPSNLHPMAQFSAAITA <mark>C</mark> N PKFVEELIDR <mark>C</mark> PSDLHPMAQFSLAVTALE	S E S H F A R A Y N N H E S N F A K A Y A K
UniRef90_Q0V2M2 UniRef90_D8RD53	PGHIVIY DIV VIN AII IPII IN A H PMT QII IT A GIVIM AII IQ	TDSFFQKAYFK
UniRef90_A7RI62	P Q H V V Q M L N N F P D T L H P M S Q F S A A I T A M N P D Y I V K T L N N F P K S V H P M H Q F S A A L T L L S	T E S K F V Q A Y N K T D S I F K K E Y E A
UniRef90_UPI00022CAC42 UniRef90_F5HE76	P D Y I V K T L N N F P K S V H P M H Q F S A A L T [L S P K F V E E L I D R C P N T L H P M T Q F A [A V N A L N	HDSAFAKAVSN
UniRef90_A0A024JNG3	PKFVEELIDRCPNTLHPMTQFATAVNALNPKHVKELIDRSPPSLHPMAQLSIAVNALEPEFVEKLMDNLPKTLHPMTQFAIAVSALN	S E S A F A K A Y E K H D S K F A K L Y E Q
UniRef90_U4L357 UniRef90_L0PDR3	PEFIEELIDRCPSNLHPMAQFSLAITALE	Q V SSFSAAYAK
UniRef90_A8JHC9 UniRef90_T0RFQ2	PEFIEELIDRCPSNLHPMAQFSLAITALE PLHLRKVLDALPTEAHPMTQLSMGIMALQ PDHVKAVLCDLPKNMHPMTQFSLAIMAMQ	S G S R F Q S A Y A R T D S [] F A R K Y Q E
UniRef90_N0DTE0	PIEW VIN MILIK NEPKID MHPMS OILIGAAILI IAILIO	TNSKFAASVHK
UniRef90_F0YCH1 UniRef90_Q75ES5	PEHVTALMKTLPKTMHPMTQFSLGLQA <mark>C</mark> Q PGHVEQLLDSLPRDLHPMAQFSVAVTALE	T E S K F A K A Y S D S E S K F A K A Y A Q
UniRef90_S7QGM5	PSYIVIEKII LIDSII PNNII IHPMT QILIGMGIVIA AII IN	KESIVIFAEAYEK
UniRef90_K5X4S5 UniRef90_K3VF07	PEFVEELIDRCPTDLHPMSQFSLAVTALE	H D S A F A K A Y Q E H T S S F A K A Y A K
UniRef90_UPI000273CF37 UniRef90_G8TH82	P S HIV VIT MILID N F P T N P H P X S E P S A A M A AIL I	DNFARAYPE
UniRef90_M5GEI6	PKKILIADIV VIDSETRDIVIH PMTQILISMGIVIALI IMN	T D S K F A H A Y E T
UniRef90_W8C3B4 UniRef90_I0AN18	PDYVKKLIDDMPTDLHPMSQLSIAVTSLN PQYVFDMLKALPKDSHPMAMLSAAIVSMQ NQDCVNFILNLPKDLHSMTMLSMALLYLQ	K D S Q F M K A Y K K R E S I F F K F Y F F
UniRef90_P24118	NODCVNFILNLPKDIHSMIMLSMALLYLO	KDŠKFAKĻYDE
UniRef90_X8JF07 UniRef90_G0QN84	PNHIVIAKII VII) AFPKIII IHPMI ()II IAMGIVIA AII IN	HDSSFAAAYEK
UniRef90_U7PMQ9 UniRef90_Q9M1D3	EDSIVQFILKLPKDLHSMTMLSMAILQCQ PAFVNKLLDDLPSDVHPMTQFSMAVSALS PA IDALPSTAHPMTQFASGVMALQ	HTSKFAAGYAA
UniRef90_W9VDQ0	PPHVISMLRSFDKNVHPMTQLSCAVAALN	V Q S E F Q K A T E Q S E S T F A K K Y A E H N S K F A A A <u>Y</u> S S
UniRef90_F4S4M1 UniRef90_UPI0003A97C76	HTQFDQFFNGFRRDAHPMAII IMIVIGAIVIGAII IS	A F Y H D S T DII IT D
UniRef90_C0S9Y7	PRHILDLEKSFPKDMHPMTQLSVAVAALN SDQVFKTLESMPADTHPMTQFTIAI MAMQ	T E S K F A K A Y A D P D S I F D R R Y A E
UniRef90_UPI00036329AC UniRef90_UPI000373DC29	H	A F Y H D S II IDII IT S
UniRef90_UPI0002F087A7 UniRef90_B7G9P5	HEQMQFFFRGFRRDAHPMSVLVGTVGALS PSHVVPLLNSLPKDMHPMTQFTLGLAACQ	S F Y H D S L D I N D T E S V F A K A Y Q D
UniRef90_A0A059LS11	P F HIV I IAII I IR SIVIP H G T H P M T QII IA Q A AII IAII IQI	VDSTFARAYAF
UniRef90_D9QIX4 UniRef90_J9I3V4	HAQEDRFFEGFRRDAHPMAIMVGAVGALS SDEVQSTIMNLPHHMHPMTKLSIGALMCQ	A F Y H D S L D I H D P E S I F A K K Y H E
UniRef90_B4RBX9	HEQFDRFFQGFRRDAHPMAII IMIVIGAIVIGAILIS	A F Y H D S T NII ID D
UniRef90_X1RRJ0 UniRef90_UPI0004726BEF	PNHVFHTLDALPLNTHPMTMFVTGVMALQ HEQLJQFFRGFRRDAHPMALMVGVVGALS	T E S N F A K E Y A K A F Y H D S T D [] A D
UniRef90_Q2R339 UniRef90_A4XV98	PGHVYKAIDALPVTAHPMTQFTTGVMALQ HEQLKT <u>F</u> FNGFRRDAHPMAI <mark>MC</mark> GVVGALS	VESEFQKAYDK AFY <mark>H</mark> DSLDINN
UniRef90_UPI00026257D1	HEDLRHLYEAFPKDAHPMAI LSCI VCALS	T F Y D D F S H
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UniRef90_V5SEA2 UniRef90_B0SZ03	HEQMTKFFTGFRRDGHPMAI MVGVVGALS HAQFDSFFQGFRRDAHPMAVMTGAVGALS	A F Y P D S T N I N D A F Y H D S T D I N D A F Y S D S L N V D D
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UniRef90_W8F7E0	HEDVRK FDGFPSAAHPMAI LSSLICSLT HEQLHRFFTGFRRDAHPMAI MVGVVGALA	A F Y Q D S Q D Y S L A F Y H D N T D V H N A F Y P E S A F Y H D S T D I N D T F Y P D V Q S E F Q K A Y E K
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UniRef90_Q43175 UniRef90_B2JMF3	SLIIMTTIDALPVTAHPMTQFATGVMALQIHEQMHFFFRGFRRDAHPMAILVAAVGALS	V Q S E F Q K A Y E K A F Y H D S L D L S N
UniRef90_F4C788		
UniRef90_G7UT82 UniRef90_M5EBI7	H E D M K K F F E G F P T K S H P M G Q L S A L V G A L S H E S L K S F L Q G F R H D A H P M A M L A A S V A S L S P N F V E K L I D S F P K S L H P M T Q F S A A V S A L N P S H V V T M L D N F P T N L H P M S Q L S A S V T A L N H E D M K Q F F E A Y P A Q A H P M G V L S S M V C S L S N E S L K K F F D G F R H D A H P M S M M M G V V G S L A P D F V E R L V D S L P Q S L H P M T Q L G C G V A A L N	A F I TO I LOLIND HDSKF <u>A</u> AAYNA
UniRef90_S4RXU5 UniRef90_F2IGT8	PSHVVT MIDNFPTNLHPMSQLSASVTALN HEDMKOFFFAYPAQAHPMGVLSSMVCSIS	S E S K F V A A Y G E T F Y P F S
UniRef90_K0C2T6	NESUKKFFDGFRHDAHPMSMMMGVVGSLA	A F Y H D G L N M N D
UniRef90_W4KL86 UniRef90_E0TG23	PDFVERLVDSLPQSLHPMTQLGIGVAALNHEHFKGFMDGFRRDAHPMAVMCGAVGALS PSYLEKIIDSFPKTLHPMTQFANAVASLNHEQLVRLYQGFRRDAHPMAVMVGVVGALS HEQLSNFYRGFRRDAHPMAVLCGVIGALS	H D S A F Q A A Y E K A F Y H D S T D I S N
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UniRef90_B8EK89 UniRef90_Q6FKS4	H E Q M A R F F Q G F R R D A H P M A V M V A S V G A L S. P Q S V N T L V S N L P K D M H P M T Q L A L G L A S L N	A F Y H D S I D∐S D Q Y S Q F A K E Y E K
UniRef90_V8G954	HEQUIRNFFNGFRRDAHPMAILTGLVGAMS HEDMRSFYNGFPRDAHPMAILSSVVGALA NEDMRKIFEGFPVNAHPMGVLSSLVSAMS HEQUIRNFFNGFRRDAHPMAMLCGTVGALS HEQUIRNFFNGFRRDAHPMAILCGTVGALS	A F Y H D S T D D S N
UniRef90_M5R9V9 UniRef90_F8EL97	NEDMRKUFEGFPVNAHPMGVLSSLVSAMS	A F Y P D S
UniRef90_A0A023D7L6 UniRef90_A9HII7	HEQII RNFFNGFRRDAHPMAML CGTVGALS	A F Y H D S L N M T K A F Y H E G T D I S N
UniRef90_K2LX45		A F I
UniRef90_U2J0Z6 UniRef90_U2XQC0	HEDMKMFFSGFPSKSHPMGQLSCLVGALS HEQLQKFYSGFRRDAHPMAIMVGVVGALS	AFYHES AFY <mark>H</mark> DS <u>T</u> DIND
UniRef90_Q0FAP0 UniRef90_UPI0004134D17	HDOMNHIJERGERRDAHPMAIJMCGIVVIGAIJS	A F Y H D S II IDII IS D
UniRef90_UPI0002558683	HEAFKAFLGGFRHDAHPMAMLCGMIGSLAHESLVNFFKGFRYDAHPMAMMCGVVGALAHEAVRRFFDGFRHDAHPMAMLVGMLGSMS	SFYHDSLDITD
UniRef90_D3S905 UniRef90_UPI000410F4C9	HEAVRRFFDGFRHDAHPMAII MVGVVGALS HEAYKSFLGGFRHDAHPMAMI VGMI GSMS	A F Y H D N V D V H N S F Y H N D I D I A D
UniRef90_UPI0001D2F4AD	HEQMARFFQGFRRDAHPMAVIMVASVGALS	Ă F Y H D S T N L A D
UniRef90_D6ZAD2 UniRef90_F5YSI0	HEQMARFFQGFRRDAHPMAVMVASVGALS HEDLKRFFDGFPRDAHPMPVLSSAVNALS HEDLKRFFDGFPRNAHPMPVLSSVVNALS HQGLHNFFNGFRRDAHPMAMLCAVTGALS HQGLTRLYQGFRRDAHPMALLVGMVGSLS	A Y Y P D S V D P S D A Y Y Q D S L D P S D
UniRef90_UPI0003FA67CC	HQGLHNFFNGFRRDAHPMAMLCAVTGALS	S F Y H D D L D H D
UniRef90_UPI0003625695	HEQLIKLYQGFRRDA <mark>H</mark> PMA <u>L</u> L <u>V</u> GM V GS L S	A Y Y Q D S L D L N N

	470
QUERY	GINHRTKYWELIYEDCMDLIAKLPCVAAKIYRNLYREGSSI
UniRef90_X1YBN5	G V H K S K Y WE Y V Y E D S M D L I A K L P V I A A T I Y R N T Y R D G K G I
UniRef90_UPI000359FF7A	GMHKSKFWELOYEDSMDLIAKLPTVASTIYRNLYREGNPP GVNKREYWHLVYEDAMNLIAKVPLIAAKIYRNLYREGEFD
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UniRef90_R7VHK1	GIVIK K NILIY WE YIVIY E D.S.M.DILLIA KILIP TILIA AILLIY R NILIY R D.G.T.S.IVI
UniRef90_Q0V2M2	G M K K S E Y W E H T F E D A M D L I A K L P T I A A K I Y R N V Y K D G K V A
UniRef90_D8RD53 UniRef90_A7RI62	GIHKSKFWEPVYEDSMNLIARLPGLASYIYQRTYHGGK L GVNKKEYWMY <mark>C</mark> FDDAMELIAKLP <u>T</u> LAAYIYRNLYKDGK V
UniRef90_UPI00022CAC42	G
UniRef90_F5HE76	GIVIH K K E Y W K T T F D D S M DIL I IA KIL IP NII IA G RII IF R NIVIF G D G K IL IP
UniRef90_A0A024JNG3 UniRef90_U4L357	GI S K A D Y W F P T F D D S I O I I A K I P T I A A K I Y O N T Y I G G G A I
UniRef90_L0PDR3	GIINKKDEWIY CEDDCMDII AKIIPNI AGRIIYRNIY KDGK V
UniRef90_A8JHC9 UniRef90_T0RFQ2	GVHKSRYWEYAYEDSMDLIAKLPQLAATIYRRGEYI GIHKSTYWHHTYEDMLNVIARIPEIAATIYRNSYFDE <mark>C</mark> LD
UniRef90_N0DTE0	GIVIKKDQYWDSTILIEDSILIDILLIAKILIPEILIAAILLIYR <mark>C</mark> TYKDGK M
UniRef90_F0YCH1	GIVI <mark>H</mark> K S Q Y W D S T Y F DIV L IDIV L IA KIL IP FIL IA A AIVIY R N T Y F D G S
UniRef90_Q75ES5 UniRef90_S7QGM5	GILIKKSEYWHYTILIED <mark>C</mark> ILINIL LIARILIPAILIAARILIYRNIVIYNPGAPILI
UniRef90_K5X4S5	GIKKSEYWHYTLED <mark>C</mark> LNLIARLPALAARIYRNVYNPGAPI GVSKKDYWGPVFEDSMDLIAKLPNIAGRIYRNVYGGGK GLNKKEYWG <u>YT</u> FEDS <u>M</u> DLIAKLPNIASRIYQNVFKGGK
UniRef90_K3VF07 UniRef90_UPI000273CF37	GINKKEYWGYTFEDSMDLIAKLPNIASRIYQNVFKGGK V GASQTKYWELIYEDHVYLITKLPCIAEKVYRNLCGEGSGI
UniRef90_G8TH82	G M N K K D Y W D A IV IF D D S M D IL I IA R IL IP R IV IA A Y II IY R R K Y H N N Q H II I
UniRef90_M5GEI6	G V K K T E Y W R Y A F K D S M K L I A Q L P A L A A R I Y K N A Y Y P D V P L
UniRef90_W8C3B4 UniRef90_I0AN18	GLKKLDFWKYSLEDTMTLIAKLPNIAARIYRNMYRGGKG <mark>C</mark> KL <mark>H</mark> KNDYWDPTYEDSLNLLAKLPRIASFIYRWKYKNG <u>D</u> I
UniRef90_P24118	KIISKKDYWEPFYEDSMDLIAKIIPRVAAIIIYRHKYRDSKLI
UniRef90_X8JF07 UniRef90_G0QN84	GILIKKSEYWEPIVI IEDSII IDII. VIAKII IPAII IAARII IYRNAYKPETOII I
UniRef90_U7PMQ9	G L N K A D Y WE P T F E D <mark>C</mark> S L L A K L P T A A K Y Q N A Y N G G G A L
UniRef90_Q9M1D3 UniRef90_W9VDQ0	GDSKSKYWEPTFEDALNLIARVPVVASYVYRRMYKDG SI GMNKADYWESTFDDSIGLLAKLPRVAAAIFDKSA LDMPL
UniRef90_F4S4M1	G [K K A D Y W K T T L E D S L D L A A M V Y P I A A R L Y T S K Y K D S S K I L
UniRef90_UPI0003A97C76	PHO RMIVIA SHRMILIA KMPTILIA A RAY KYHILIGO PE
UniRef90_C0S9Y7 UniRef90_UPI00036329AC	G M S K T E H W D A V Y E D S M N L A R L P R V A A Y I Y R R S F K D G D H I
UniRef90_UPI000373DC29	DKHRQKS AII IRIL I IAKMPTII IAAMAYKF SII IGQPF
UniRef90_UPI0002F087A7 UniRef90_B7G9P5	PHHREVS AIRLIAKLPTLVAMSY KYŚVĠQPF GVPKNLYHEYALEDLLSVVAKLPEIAATIYRNVYHDG V
UniRef90_A0A059LS11	GLPKSQYWEHCLEDSLNLMAKLPTIJAAVIJYRNTYKGG SL
UniRef90_D9QIX4 UniRef90_J9I3V4	PVQRDIS AIRLIAKMPTIAARAY KYHIGQPF GAPKSSFWKYTLEDSLNVCAKVPRLASIVYNSSYNRDQDL
UniRef90_B4RBX9	PEQRIIS AHRMIAKMPTIAARA FKYSKGQPF
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UniRef90_UPI0004726BEF UniRef90_Q2R339	GMPKSKEWEPTYED <mark>C</mark> I NII I ARII PPIVASYIVIYRRII EKDGKTII I
UniRef90_A4XV98	PQHREVS _ AMRILVAKMPTIIAAMTYKY SMGQPM
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UniRef90_UPI0003705DFC	PYER <u>LV</u> S SRR <u>L</u> IAK <u>I</u> PTIAAMAY KYSLGQPF
UniRef90_V5SEA2 UniRef90_B0SZ03	PEQ RQTASYRMI AKMPTI AAMAY KYSL GQPF PKQRELS _ AHRLI AKMPTI AARA FQYSQGRPF
UniRef90_A0Z1T4	PYH RK V AAFR LI AKMPT I AAMSYKF S I GQPF
UniRef90_Q0F001 UniRef90_B8GQW7	DED QHKAAIRLVAKMPAIAAASYTY SIGRPI PKHREIS _ AHRLISKMPTIAAWSYKYA TGQPE
UniRef90_W8F7E0	
UniRef90_UPI00038145EE UniRef90_E0XT45	VSPDLSKEEIDLNVIRLMAKISTI AAWTYKN NMGHPL PHQRMVASYRLIAKIPTI AAMAY KYSVGQPF FSATDTDAVDLALWRLMGKLPTI AAWSYKK NLGQPF
UniRef90_Q43175	GIHKSKYWEPTYEDSMNLIAQVPLVAAYVVYRRMYKNGDTI
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UniRef90_G7UT82	PEQ RRLAAIRLIAKMPTLAAAAHRYT AGQPI GVKKTEYWQPTLEDSLDLIAKLPAIAARIYYNVFGKGDGK
UniRef90_M5EBI7	F S A I D I D A V D L A L W R L M G K L P L I A A W S Y K K N I G Q P F G I H K S K Y W E P T Y E D S M N L I A Q V P L V A A Y V Y R R M Y K N G D T L N P D A S E E E D N L T L I K L L A K F P T I V S W L Y K K S L G H P V P E Q R R L A A I R L I A K M P T L A A A A H R Y T A G Q P I G V K K T E Y W Q P T L E D S L D L I A K L P A I A A R I Y Y N V F G K G D G K G V N K A K Y W E Y T Y E D S M D L I A K L P T I A A K L Y R N L Y R E G S S L L D P N R S A E K K N R T L R L L A K L P T L A A W S Y K N S M R H P F E E H L M V S A H R L I S K L P T I A A A C Y K H S L G E P I G I K K S E Y W T Y T L E D C V N L I A R L P A L A A R L Y R N V Y R P G T E L T H R M I A K M P T L A A M A Y K Y N G Q P F P D H R F L S
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UniRef90 K0C2T6	E E H L M V S A H R L I S K L P T I A A A C Y K H S I G E P I G L K K S E Y W T Y T L E D C V N L I A R L P A L A A R L Y R N V Y R P G T E L P D H R E L S T H R M I A K M P T I A A M A Y K Y N L G Q P F
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UniRef90_UPI0004560179	GÜKKTEYWQPTLDDSÜDLIAKLPAIAARLYYNVFGRGDGN
UniRef90_W0SF54 UniRef90_A8TUI2	GIKKTEYWQPTLDDSIDLIAKMPAIAAMAY NYTNEGGGNPEDRSISFN RLVAKMPTIAAMAY KYNTGQPFERQ RMVASFRLVAKMPTIAAMAY KYSVGQPFPRQ RMVASMRLIAKMPTLAAMAYKYT LGQPFSIGKNDYWDFLYEDVLNLIASLPHLTGQLYANLTNEGKPL
UniRef90_B8EK89	PRQ RMVASMRLIAKMPTLAAMAYKYT IGQPF
UniRef90_Q6FKS4 UniRef90_V8G954	SIGKNDYWDFIYEDVLNLIASLPHLTGQIYANITNEGKPL PHHREISALRLIAKMPTLVAMAY KYS <mark>C</mark> GEPY
UniRef90_M5R9V9	PDQ V E I S L Y R L A K L PT I A A Y S Y K K S M G Q P F
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UniRef90_A0A023D7L6 UniRef90_A9HII7	E A S R S IL IS A M R IL I I A K IL IP T II IA A W A Y K Y T Q G E P F
UniRef90_K2LX45	PNORILIS AYRILIAKMPTIJAAMAY KYSIJGOPE
UniRef90_U2J0Z6 UniRef90_U2XQC0	ENPNQSEEEEYKTIINLLGKMPTIVSWI QKKSLGHPVPDQ RKIASRRLIAKIPTIAAMAY KYHIGQPFQDQRE IASIRMIAKIPTIAAYAY KYSIGQPF
UniRef90_Q0FAP0	QDQRE I ASTRMIAKIPTI AAYAY KYSI GQPE
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UniRef90_D3S905	PEH RRILIAAHRILISKMPTILIAAWSYKYA HGQPF
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UniRef90_UPI0001D2F4AD UniRef90_D6ZAD2	PAQIVIE QS TIL IRIL LIAKIL IPTII IAAYAY KKSIVIG QPF
UniRef90_F5YSI0	NEQVEVS TURL LGKLPTI AA YAFKKSEGQPF
UniRef90_UPI0003FA67CC UniRef90_UPI0003625695	EKQRLRS AYRLI AKMPTI AAMAY KFSI GQPF PEHRA VAAMRLI AKMPTI AAMAYKYT I GEPF
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	210 220 230 240
QUERY UniRef90_X1YBN5	G A D S K D W S
UniRef90_UPI000359FF7A UniRef90_H2Y5U8	DSI DSNKDWSWNYASMLGYEQEGFIEATRLYLTLHTDHEG GAI DENADWSLNFCNMLGYKDPEFIELMRLYLVIHSDHEG
UniRef90_UPI00026573D6	A PILID G D K D W S A N E C K MILIG Y N E P Q E T E ILIM RILIYILITILIH S D H E G
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UniRef90_I0AN18 UniRef90_P24118	I P S D P K L D W G G N F A H M M G I P K P Y D D V S R M Y F I L H S D H E S D S D S K L D W A G N Y A H M M G F E Q H V V K E C I R G Y L S I H C D H E G P P I D K D L D L V G N Y V N M L G Y G D N K S L T E Y L R L Y I A H G D H E G
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UniRef90_U7PMQ9 UniRef90_Q9M1D3	PAVDPNQDWSYNFLGKGGKEHEDFQDLLRLYLALHGDHEG LPLDDSLDYGAN <u>FSH</u> MLGFDSPQMKELMRLYVTIHSDHEG
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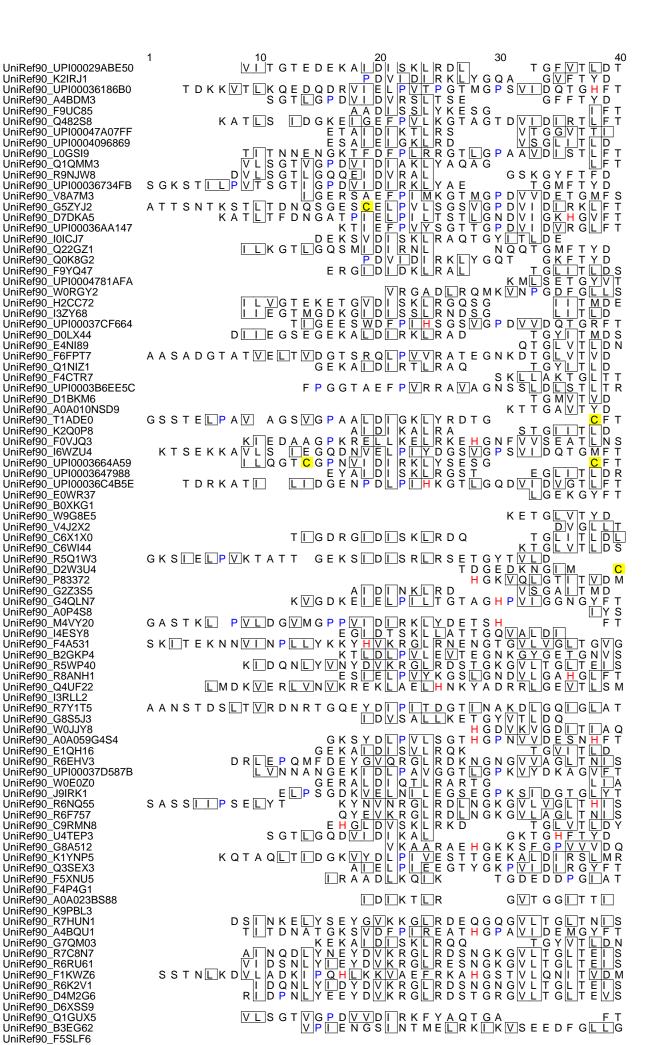
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UniRef90_E0TG23 UniRef90_UPI0004560179	G N A S A H T A H L VG S T L S D P Y L S Y S A A L F A L A G P L H G L A Q N A S T S T V R L A G S S G A N P F A A L A A G I L G L W G P A H G G A G N V S A H T A H L V G S A L S D P Y L S Y S A A L L G L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C I S A G I A C L W G P A H G G A Q N A S T S T V R L S G S S G A N P F A C I A A G I A S L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C I A A G I A S L W G P A H G G A G N V S A H A T L V G S S G G N P F I S Y A S G I M G L A G P L H G G A Q N A S T S T V R L C G S S G T N P F A A I A A G V A C L W G P A H G G A Q N C S T S T V R M V G S S N A N L F A S I S A G I G A L W G P L H G G A Q N C S T S T V R L V G S S K A N I Y S S I S A G I C A L W G P L H G G A Q N A S T S T V R L A G S T G A N P F A C I A A G I A A L W G P A H G G A Q N A S T S T V R L A G S T G A N P F A C I A A G I A A L W G P A H G G A Q N A S T S T V R L A G S T G A N P F A C I A A G I A A L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C I A A G I A A L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C I A A G I A S L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C I A A G I A S L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C I A A G I A S L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C I A A G I A S L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C I A A G I A S L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C I A A G I A S L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C I A A G I A S L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C I A A G I A S L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C I A A G I A S L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C I A A G I A S L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C I A A G I A S L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C I A A G I A A S L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C I A A G I A A G I A A L W G P A H G G A Q N A S T S T V R L A G S S G A N P F A C	NEA
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QUERY	V L VWLT QLQK EVGK DVS D E KLR D Y LWN T LN S G R V V P G Y G H
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JniRef90_UPI0003625695	

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Interest	UniRef90_UPI0004781AFA	DEDFKAQFNVFPRKAHPMSVLASSVNLLSTYYQDQLDPLD
MRSH00 DULMAN MRSH00 DULMAN D	UniRef90_WURGY2 UniRef90_H2CC72	HEDILIK RILYD G F P K D S H P M A II LIS S MIL LIT LIS G Y Y N D QILD PLIN
MRSB90 DULNAM	UniRef90_I3ZY68	NDRVRKILEGFPSTAHPMGVLSSLTGSLTAFNPRVVDVTH
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INTERING STATE	UniRef90_E4NI89 UniRef90_F6FPT7	HEDVKRFFQGFPRDAHPMAMLSSVVVGALSTFYPESHNPFD
IMMERSO AQUADIONSDD	UniRef90_Q1NIZ1	HEDMLRFFDGYPPKSPPMAILSSMVNSLCSFYPE
IMMERSO AQUADIONSDD	UniRef90_F4CTR7 UniRef90_UPI0003B6EE5C	HEDILIK N F F D G F P K D A H P M P V L S S A V S A L S T F Y Q D S <u>L</u> D P F D H E D L K R F F S A <u>L P H T A H P M S V L S S A V A A L S T Y Y E D S S D P H D</u>
	UniRef90_D1BKM6	HEDERTEMGTEPRDGHPMAVMSSAINALSTEYPESLDPFD
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	UniRef90_K2Q0P8 UniRef90_F0VJQ3	DEDIIKKII VDSFPRTAHPMGVLISSLITSAILITAFNPSVVDI NSPPHVGKVI DAVPPSTHPMTOILVMGAAAILOSTSOILAFAVRH
	UniRef90_I6WZU4	HEQVHMLLRGFRRDSHPMAILVGLTGAMAAFYDKGLDINN
Intereign Edwinst Ed	UniRef90_UPI0003664A59 UniRef90_UPI0003647988	DEDIVIK KIL DGFPKSAHPMGIV VISSIL TSSIL I AFNPSS
Initerelo DOXKG1	UniRef90_UPI00036C4B5E	NRSVEQFISGFRWDAHPMAMVCGVVGAMSSIYHDSLDITD
Ninker90	UniRef90_B0XKG1	PSHVVT MLNNMPTTLHPMSQLSCAVTALNHESKFAKAYAE
Intereston	UniRef90_W9G8E5	HEDLRAFFNGFPRDAHPMPVLSSAVSALGTFYQDSLDPFD
Intereston	UniRef90_C6X1X0	A D E MK K L DVF P R S A H P M G V L S S L T S A L T A F N P K A
Intered Card	UniRef90_C6WI44 UniRef90_R5Q1W3	HEGIL I HHFDAFPPNGQPMSII LISAVVINSIL VICYSPEII LIE
Intered Card	UniRef90_D2W3U4	HENLYS MLKTFRYDAHPMGLLTSATSALGTFYSEANPALV
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Interesty		H E QI N M F F H G F R N D A H P M A M L
Infriefgo	UniRef90_M4VY20	HEQUINEFFERGERRDAHPMAUMCGVVGAUSAFYHDSUUNIHD
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Interion	UniRef90_R8ANH1	HEQUSSFFHGFRRDAHPMAVMCGVSGALAAFYHDSLDUNN
Inire(190	UniRef90_Q4UF22 UniRef90_I3RLL2	P S HIV VIT MILID N F P T NILIH P M S Q F S A A II IT A ILIN S E S S F A R A Y S E
Inire(190	UniRef90_R7Y1T5	HENVKSFMEGFRYDAHPMGMLMASVGALISTFYPDARNISD
Inire(190	UniRef90_W0JJY8	PNYVYKVLDSMPTQARPDVMLAVAVDTMQQESVFAKAYAE
H E N C K Q F I E G F R Y D A H P M V M L M A S V S A L S T F Y P E A G D I S D J D J D J D J D J D J D J D J D J D	UniRef90_A0A059G4S4 UniRef90_E1QH16	HIQMDRFFEGFRRDSHPMAMLTGAVGAMASFYPGALDSED HEDMHLFFNNFPRSAHPMGLLSSMVNALRSFYPTLFGLTF
H E N C K Q F I E G F R Y D A H P M V M L M A S V S A L S T F Y P E A G D I S D J D J D J D J D J D J D J D J D J D	UniRef90_R6EHV3	PTNFTRDVIMKAPSSDIMNSLTRSVLTLASY NESUKGESSGERVDA DIMNSLTRSVLTLASY
H E N C K Q F E G F R Y D A H P M V M L M A S V S A L S T F Y P E A G D S D J D I J D I N E M S V S A L S T F Y P E A G D S D J D I N E M S V S A L S T F Y P E A G D S D J D I N E M S V S A L S T F Y P E A G D S D J D I N E M S V S A L S T F Y P E A G D S D J D I N E M S V S A L S T F Y P E A G D S D I S D I N E M S V S A L S T F Y P E A G D S D I S D I N E M S V S A L S T F Y P E A G D S D I S D I N E M S T F T P E A G D S D I S D I N E M S T F T P T N E A T T N L	UniRef90_W0E0Z0	DEGMKHHFEGFPRAAPPMAILSAMI NALSCFHPELFELED
H E N C K Q F E G F R Y D A H P M V M L M A S V S A L S T F Y P E A G D S D J D I J D I N E M S V S A L S T F Y P E A G D S D J D I N E M S V S A L S T F Y P E A G D S D J D I N E M S V S A L S T F Y P E A G D S D J D I N E M S V S A L S T F Y P E A G D S D J D I N E M S V S A L S T F Y P E A G D S D I S D I N E M S V S A L S T F Y P E A G D S D I S D I N E M S V S A L S T F Y P E A G D S D I S D I N E M S T F T P E A G D S D I S D I N E M S T F T P T N E A T T N L	UniRef90_J9IRK1 UniRef90_R6NQ55	HEKVKDFYKGFSPNAHPMSI MCGI VGGLSSFYHDEVDTQD
H E N C K Q F E G F R Y D A H P M V M L M A S V S A L S T F Y P E A G D S D J D I J D I N E M S V S A L S T F Y P E A G D S D J D I N E M S V S A L S T F Y P E A G D S D J D I N E M S V S A L S T F Y P E A G D S D J D I N E M S V S A L S T F Y P E A G D S D J D I N E M S V S A L S T F Y P E A G D S D I S D I N E M S V S A L S T F Y P E A G D S D I S D I N E M S V S A L S T F Y P E A G D S D I S D I N E M S T F T P E A G D S D I S D I N E M S T F T P T N E A T T N L	UniRef90_R6F757	PPNEVRDLIMKAPSRDMMNNISRCI LQLYSYDAKADDTT
H E N C K Q F I E G F R Y D A H P M V M L M A S V S A L S T F Y P E A G D I S D J D J D J D J D J D J D J D J D J D	UniRef90_C9RMN8 UniRef90_U4TEP3	PDI I ENTEK EMPPGAHPMGILLISSIV VINAIVIGLIFTP R PDI I ENTEK GENK DAHPMAMILIGAAIVISA QSAFYHDQARIIN D
H E N C K Q F E G F R Y D A H P M V M L M A S V S A L S T F Y P E A G D S D J D I J D I N E M S V S A L S T F Y P E A G D S D J D I N E M S V S A L S T F Y P E A G D S D J D I N E M S V S A L S T F Y P E A G D S D J D I N E M S V S A L S T F Y P E A G D S D J D I N E M S V S A L S T F Y P E A G D S D I S D I N E M S V S A L S T F Y P E A G D S D I S D I N E M S V S A L S T F Y P E A G D S D I S D I N E M S T F T P E A G D S D I S D I N E M S T F T P T N E A T T N L	UniRef90_G8A512	PEFVEEL LDRCPPTLHPMSQFSLAVTALNHNSAFAQAYQA
JniRef90_R9PBL3	UniRef90_Q3SEX3	HDQLENVERGERRSAHPMAVMIGVTGAMSAFYHAGLDNFN
JniRef90_R9PBL3	UniRef90_F5XNU5 UniRef90_F4P4G1	HENCKQFIIEGFRYDAHPMVMILMASVSALSTFYPEAGDIISD HENMIIDYLKSFRYDAHPMGMIIVSAIIAAMSTFHPFASTAIIC
Drikef90_R7HUN1	UniRef90_A0A023BS88	DEDMKKLLDGFPKSAHPMGVLSSLTNALLAFNPGS
JniRef90_A4BQU1	UniRef90_K9PBL3 UniRef90_R7HUN1	SFRIIRDMMK <mark>U</mark> FPAIG <mark>HP</mark> MDAILQAS <u>AA</u> SILGIFYSRRALIY PTN <u>F</u> TRD <u>VI</u> MKAPSADI MNSMTRSI LITLASY D
Note	UniRef90_A4BQU1	NESLKNFFNGFHYNAHPMAMLTGVVGSLSAFYHDTVDVND
JniRef90_R6RU61 S G Q F V R D V I M K A P S S N I M N A L E K S I V T L Y S Y D E M A E P E H V E K M I R N F P P K V H P M A Q F V A A V A A L S S E S K F A V A Y H H JniRef90_R6K2V1 S G A F I R D V I M K A T S T N L M N S L M K S I L S L Y S Y D E N P D S G R F V R D V V M K A S S S N I M N A L Q R C V L T L Y T Y D E N P E JniRef90_D4XSS9 JniRef90_Q1GUX5 H E Q L A T F Y R G F R R D A H P M A L M C G V V G A L S A F Y H D S T D I Q D JniRef90 B3EG62 H N N I V K F M D G F R Y D A H P M G I L V G T V G A L S T F Y R D A K D I R N	UniRef90_R7C8N7	S G Q F V R D V I M K A P S A N I M N A L Q K S V L T L Y S Y D E N P D
JniRef90	UniRef90_R6RU61 UniRef90_F1KWZ6	SGQF V RD VI MKAPSSN MNA L EKS V T L YSYDEMAE PEHVEKMI RNFPPKVHPMAQFVAA VAA SSFSKFA VAYHH
JAIREN DE DANZOO SGREVEN DE VINKASSSNILMEN AL QRUVIN A BERNE BADSHDE JAIREN DE VINQMRTYPI DQHPMAALRTAVSNLALFDE BADSHDE JAIREN DE VINQMRTYPI DQHPMAALRTAVSNLALFDE BADSHDE JAIREN DE VINCHEN	UniRef90_R6K2V1	S G A FILR DIVI MK A T S T NL MN S L MK S I L S L Y S Y D E N P D
JniRef90_Q1GUX5	UniRef90_D4M2G6 UniRef90_D6XSS9	PDEVINQMRTYPLDQHPMAALRTAVSNLALFDEEADSHDE
//////////////////////////////////////	UniRef90_Q1GUX5	HEQLATEYRGERRDAHPMAIMCGVVGALSAFYHDSTDIQD
JniRef90_F5SLF6 PEAVLEQLKAYPKETHPMAALRTA V SA L GMYDTDADDNSQ	UniRef90_B3EG62 UniRef90_F5SLF6	PEAVLEQLKAYPKETHPMAALRTAVSALGMYDTDADDNSQ

UniPoton UDIO0030ABE50	170 180 190 200 CLKPNQTAEEQN L T K LL AK PT V SF YKK S L GHP
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UniRef90_F9UC85 UniRef90_Q482S8	ARHRELS AHRLIAKLPTIAAAAY KHSIGEPL PAQRKRS AHRLIAKMPTLAAMAYKY SVGQPF
UniRef90_UPI00047A07FF	E E D M Y N A I V K I L G K F P I L V A WT M R K K N G L P L
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UniRef90_V8A7M3	E A S R D IL IS T R R IL I IA K IV IP T II IA A WAYKYT IV IG E P F
UniRef90_G5ZYJ2 UniRef90_D7DKA5	FTO RMILIAS RRILLIAK MPTILIA A MAY KYSILIG OPF
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UniRef90_I0ICJ7 UniRef90_Q22GZ1 UniRef90_Q0K8G2 UniRef90_F9YQ47	PHQRELIS ALIRLIAKMPTLVAMAY KYNLGQPY
UniRef90_F9YQ47 UniRef90_UPI0004781AFA	EKD VYEAVCKVLAKIPVLSSWVYRK REGLPLEEQLDK ATVRLMAKVPMLAAYAYRA SKGAPY
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UniRef90_H2CC72	PAERSIS I RL LAKMPTLAAMIYRHV KGLPF PRHRELS LAKTPTLAAYSY KKSLGQPF
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UniRef90 DOLY44	DDNMHVARVLSKVRTII AARAY KYSII GQPF
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UniRef90_W9G8E5	A E Q V E I S T R L L A K L P T I A A Y A Y K K S V G Q P F P R H R E I S A H R L I A K L P T I A A A A Y K H S V G E P I V D V S S K E E M D E A A E M L L A K F S H L C A W T Y R K K M G L S I T K Q V E M S T I R L L A K V P T I A A Y A Y K K S V G Q P F
UniRef90_V4J2X2 UniRef90_C6X1X0	PRHREIS AHRLIAKLPTIAAAAY KHSVGEPI VDVSSKEEMDEAA <u>E</u> MLLAK <u>F</u> SHL <mark>C</mark> AWTYRK K <u>M</u> GLS
UniRef90_C6WI44	TKQVEMS TIRLLAKVPTI AAYAY KKSVGQPF
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UniRef90_G8S5J3 UniRef90_W0JJY8	DEQVDIS AIRLMAKLPTIAAYIY KKSÜĞHPÜ NÜTKONAWEYMÜEDVINLIPKIPMIAAYIYRÜKYKNNNOL
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	<u> </u>

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UniRef90_V4J2X2 UniRef90_C6X1X0 UniRef90_C6X1X0 UniRef90_C6W144 UniRef90_C6W144 UniRef90_D2W3U4 UniRef90_D2W3U4 UniRef90_D2W3U4 UniRef90_G2Z3S5 UniRef90_G2Z3S5 UniRef90_G4QLN7 UniRef90_G4QLN7 UniRef90_M4VY20 UniRef90_M4VY20 UniRef90_M4VY20 UniRef90_M4VY20 UniRef90_F4A531 UniRef90_F4A531 UniRef90_B2GKP4 UniRef90_B2GKP4 UniRef90_B2GKP4 UniRef90_B2GKP4 UniRef90_B2GKP4 UniRef90_R5QNP4 UniRef90_R5QNP	UniRef90_B0XKG1	GNVS A H T V H L V G S A L S D P Y L S F A A G M N G L A G P	IL H GIL A N Q E
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UniRef90_M4VY20	UniRef90_G2Z3S5	QNCSTSTVRMVGSSHAGLFASISAGVSALWGP	LHGGANQA
UniRef90_M4VY20	UniRef90_A0P4S8	QNASTSTVRL VGSSGANPYACI ASGI ASL WGP	AHGGANEA
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UNIRE90 R5WP40 UNIRE9	11-1D-100 E44504		K H G G A N I K
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UniRef90_W0E0Z0 UniRef90_J9IRK1 UniRef90_R6NQ55 GN N S T F T T H L V S S G T D T Y S V I A A S L WG P A H G G A N V K G N N S T F T T H L V V T S S G T D T Y S V I A A S L WG P A H G G A N V K G N N S T F T T T H V V T S S G T D T Y S T I A A A M A S L K G P K H G G A N V K G N N S T F T T T H V V T S S G T D T Y S T I A A A M A S L K G P K H G G A N V K G N N S T F T T T H V V T S S G T D T Y S T I A A A M A S L WG P A H G G A N V K G N N S T F T T T H V V T S S G T D T Y S T I A A A M A S L WG P A H G G A N V K G N N S T F T T H V V T S S G T D T Y S T I A A A M A S L WG P L H G G A N Q A G N I R A S L WG P L H G G A N E A G I C	UniRef90_R6EHV3 UniRef90_UPI00037D587B	GNNSTFTTRIVVITSSGSDTYSVVAAALISSLKGP QNASTSTVRMAGSTGTNPYAAILAAGLAALIWGP	K H G G A N L K S H G G A N F A
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UniRef90_S2XXB8 UniRef90_W0Z7Y8 UniRef90_T0RKB2	DTSIPNVLRQCLNLISQFPMLMVHAYHYRMGEDLFIRESDPNNPEHIELNTIRMLAKLPVIAA YAHKKSVGQAFYLTAEATEEIKNKSIAQLMAQVKIIMANFYRKT IGKDPEYLRDAVVRLLAKIPTMVAAFA QMRMGNDP
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UniRef90_D3ECL8 UniRef90_UPI0003699AB1	DVSLPNVLRQCLQLTAQFPLLSVYGYQAFKYYHEIV EANEK KAVKLQAQLPTIIAAIA RVRQGKEP KLD EKTVHQVCVNLIAKMPTLVA AHARMRHGDDP DAAIDQATAVLLGAVPTLAAYSYRKSIGESF
UniRef90_E3BDY4 UniRef90_K9SLF0 UniRef90_I4B4L5	T P K D L K S P D Y L R D V T L R L L A K L P T M V A T F H M M R Q G N D P F A S D P L D P V G R F L S L H R L L A K S P T L A A F S H K K S L G H P F
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UniRef90_C5M0P5 UniRef90_Q8I6U7 UniRef90_K1YVX7	S Q N I Y K D K A V R N K E I A R I L G S A T T L A A M A Y R H R M G R P F G I L K T D Y W K Y I L E D A I S L I S Q I Q V I G A Y I F K R T F I N N D I R E T E V S R N K Q T Y R M I G K M I T L A A Y A Y R H N K G L P Y
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UniRef90_A5CT16 UniRef90_R5JWH9 UniRef90_UPI00037EE018	PEQUEI S ILRILIAKLIPVI AA YAHKKSLIGQAF DII AVPNVLRQSLQMI GKLPLI SVYSYHAYRHEHLVI PEAIDEI N
UniRef90_UPI000310DE9C UniRef90_R6UM56	E A N R R K A I R I Q A R I A T A I A V F S R I R Q G K A P S V E N T I E Q G I N I I A K I P S I I C Y A Y Q S K M H R S I V I D T H T T V D D A R N V A M H R I I A K I P T I A A R A Y K Y S I G Q P H
UniRef90_UPI0003603C3B UniRef90_R7GIY2 UniRef90_Q0A5E3	NVGVLETLDKGIDLIAKIPVIVSYTYQSKVHHSMII NLETEQSFDEQQEATDRLLAVLPGIITYWY RYSHDGVRI DLE KAFRLFAVLPAIV SYEQRRRNGQEL
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UniRef90_R5R6S1 UniRef90_G7WFT7	DISIPNVLRQCLQLIALFPMLSVYGYQAYNHYHEGI DTSRDNLMRQSIDLIAKFPAIIAYAYNMLSHSAKHI DTSLENVLRQSLQLISLFPMLAIYGYYAHYHDGKSI DTSMQNVLKQCLKLIACFPSLAVYGYQAFSHYHLYI SDISMENVLRQCLMLISVLPMMAVYGYHGYNHYVNDL PEHRKIS
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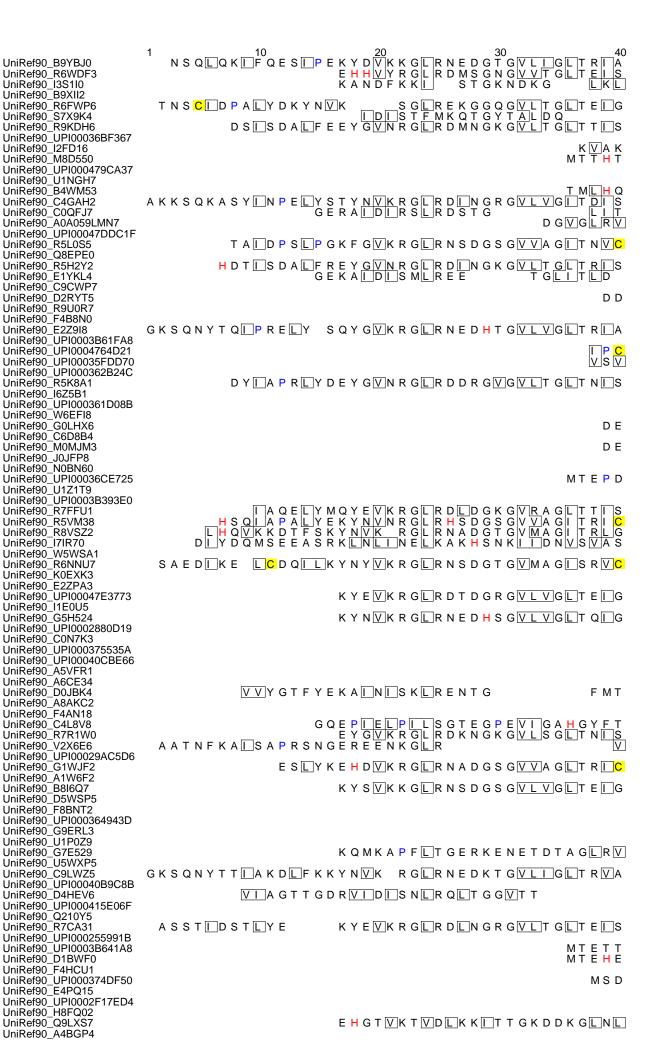
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UniRef90_R7AHA8 UniRef90_UPI0003B784C1	A V Y T I S D P R F V I I K R K A M F I A H G K D I F A F F R I I D T I F R I
UniRef90_V9R7U4 UniRef90_L1NUJ4	RVYKNYDPRAK <mark>MMC</mark> EL <mark>C</mark> REVLNDLG[]DDPLLEVAVELENI RVYKNMDPRAAI MKRTCDEVLREENDPKFKLAMELEKI AL
UniRef90_E0S1X6 UniRef90_Q2RJF3	AIYSKSDPRAVILKGFVEKL AVEKGKEKELALYKMVEKL AVYTLSDPRAVLLKQKAAELKDMEDEFGLYLAIEKMAPEF
UniRef90_R5T645	AIVIY I IVIS DPRADILLIKS CCEKILIAK QKKREDEYEFILII RFEKAK
UniRef90_U4WLL6 UniRef90_C9ZZW4	AIV LIG M T D P R Y T C F R E Y C K N N F P N D E LIFII L VID AII IY E II IM P G II
UniRef90_E0RSW6 UniRef90_A6DFU9	AVYTISDPRAVLLREKAETIKGFEEEFGLYELIARLTPEL RVYKNYDPRARIIKKTCDRVMAKLGKEDPLLAIAQKLEAA RVYKNFDPRAKVMKQTCDEVLAELGLENEPLLAIAKRLEQ
UniRef90_B3PDN9 UniRef90_A4BVD6	R V Y K N F D P R A K V M K Q T <mark>C</mark> D E V L A E L G L E N E P L <u>L A </u> A K R L E Q R V Y K S Y D P R A H V K E T <mark>C</mark> D R L L D D L G D D P L E L A R K L E E T
UniRef90_E6VT08 UniRef90_E6UG83	RVYKSYDPRAHIVKET <mark>C</mark> DRLLDDLGIDDPLLELARKLEET RIYKSFDPRAKILRKAAHEMLESTGYQDPMLDIELADVAM AVYTUSDPRAVILKANAKR MAEGTEFEKEFHLLETIERL
UniRef90_R5ENG6 UniRef90_C4ZHC5	RVYKTFDPRALVMRDT <mark>C</mark> HEVLHKDDNPLLAVATELEKIAL AVYSLSDPRERIFRGYVEKLKKRDNEMNLYNTIEKVAPEL
UniRef90_U7JQG0 UniRef90_S2VTZ0	RI Y R N Y D P R A A I I K K H A D E I L K L Q T G R K D L L E I A K E L E E T R V Y K N Y D P R A A I V K G A A H D V L E R L G K Q D E L L D I A L E L E E M
UniRef90_U2PQQ6 UniRef90_F3P5H2	RIVIY K T M D P R A RIL L IG A IV IA D E IL L IE A M R D P IL L ID IL IA R E IL IA D IV IA R
UniRef90_C7P0I6	RVYKNYDPRAAIVKETAHRLGSDDGDRKLEIAMELEETAL RVYNVKDPRAKILSQRSKELGEAAG SLKWYEMSTAI RVYRAKDPRAVIMEEFLETLSKDDSSYQILKTIEEVVGAH
UniRef90_V5WKD7 UniRef90_S2XPH0	R V Y R <u>K</u> G D P R A K <u>H </u> L R E M <u>S</u> Q K L T K
UniRef90_R3WBS1 UniRef90_C5M0P5	R V Y K <mark>H </mark> Y D P R A <u>T </u> V R Q <u> </u> A <u>E</u> D <u>V</u> F E <mark>C </mark> G R <u>E P L</u> <u>E V A M E L E R </u> A L
UniRef90_Q8I6U7 UniRef90_K1YVX7	
UniRef90_X0R623 UniRef90_A8ZRR9	RVYKNYDPRAKI I KKLAHDVFE MGKNPMLE I ALELEHI AL RVYKNGDPRAKHLKEMSKKLTEITGESKWYEMSVKI DELF SVYKTYDPRAKI MKKM ODKVVANTEDPLLDI AMELEEVAL AVYSLSDPRARVFKGFVEELSVAKNREKEFKLMSDVEELI RVYKNFDPRATI I KNTAYEVFDVITGKSPLLDI ALKLEEVA AVYSLSDPRARAFKQFVELLAEEKNHKQEFELYSMI EEVI RVYNVKDPRAKI LQVRSEELAANGDDTWCEITTTIEDYLS AVYTKSDPRAKI LGEKSEALGEAAGDM KWYDYSVAI RVYNVKDPRAKI LGEKSEALGEAAGDM KWYDYSVAI RVYNVKDPRAKI LGEKSEALGEAAGDM KWYDYSVAI
UniRef90_R7HFL3 UniRef90_R4Z1T7	A
UniRef90_R5T5H3 UniRef90_L0IE77	A V Y S I S D P R A R A F K Q F V E L L A E E K N H K Q E F E L Y S M I E E V I R V Y N V K D P R A K I L Q V R S E E L A A N G D D T W C E I T T T I E D Y L S
UniRef90_R6QK25 UniRef90_E4NTX0	AVYTKSDPRAVILKENARKL AYEKGFEKEFKTLEN ELL RVYNVKDPRAKILGEKSEALGEAAGDM KWYDYSVAI
UniRef90_UPI0004730772 UniRef90_R5A6I2	RVYRTHDPRAEALKEVSKQISDDNEWFDFIVKTEDTTIRL AVYTLSDPRAVILKEKAQSLAKKTGYDGKLALYQLVEAAF
UniRef90_C8WR61 UniRef90_A0A015P6K4	RVYRTEDPRATHLRELS KQAGELKGETKWFEMSQAI
UniRef90_A5CT16	RVYKNFDPRARLVKESADEVLAALGLQDPLLDLAKELEAV
UniRef90_R5JWH9 UniRef90_UPI00037EE018	AVYTESDPRAVILKDYAERLAYEKDRHDEFEFYERVEEAI RVYKSYDPRAKLVKESADEVLAALGVKDPLLEIJAMELEQV
UniRef90_UPI000310DE9C UniRef90_R6UM56	RVYKNGDPRAKHLQHMSRELGK LJTGNMELYEMSVJRI RVYKNFDPRARLVKESADEVLAALGLQDPLLDLAKELEAV AVYTESDPRAVI LKDYAERLAYEKDRHDEFEFYERVEEAI RVYKSYDPRAKLVKESADEVLAALGVKDPLLELAMELEQV RVYKTGDPRAKHLKEMSRKLTA KIGQEKWYLMSEKL AIYTLSDPRSEVLQEYIEKLAEKKVREYEFYQRFEQCAKE RVYKNFDPRSRVMQKVAHEVLDELGIRNPVLDVAKELEKI AVYTLSDPRSEILAKQCEELSYEKFRHDEYEFYRKFSALA AIYRVSDPRNELIKAWSKKLADEVGDTV RVYKNGDSRVPTMRAALERLVEHYDDTV
UniRef90_UPI0003603C3B UniRef90_R7GIY2	RVYKNFDPRSRVMQKVAHEVLDELGLRNPVLDVAKELEKI AVYTLSDPRSEI LAKQ <mark>C</mark> EELSYE <u>K</u> FR <u>H</u> DEYEF <u>Y</u> RK <u>F</u> SALA
UniRef90_Q0A5E3 UniRef90_U1LSM3	A I Y R V S D P R N E L L K A W S K K L A D E V G D T V L Y P V S E R V R V Y K N G D S R V P T M R A A L E R L V E H Y D R P D MLE I Y R A L
UniRef90_B0PHJ2 UniRef90_X2HBM4	A V Y S L S D P R A D I F R K F V K S L S E E K G L Y R E Y Q L Y S L V E E V L A V Y T V S D P R A V L L K E M A H E L A K E K G R E K E Y N F L N L L E E R A
UniRef90_R5R6S1 UniRef90_G7WFT7	AVYSLSDPRADIFRKFVKSLSEKGLYREYQLYSLVEEVI AVYTVSDPRAVLLKEMAHELAKEKGREKEYNFLNLLEERA AVYSKSDPRAVIFKSYVEKLSQEKGLEKEFALYSLVEQVI AVYSISDPRAVILKGYVAQLAQEKGLEEEFKLYSKVETVI AVYSISDPRAQIFKAFVKKLKEREKDFELYSMIETLAPKV RVYKNMDPRAAIMKET
UniRef90_D4MVE4 UniRef90_UPI0004756B17	AVYSISDPRAQIFKAFVKKLKEREKDFELYSMIETLAPKV RVYKNMDPRAAIMKET <mark>C</mark> DEVLNEHNDPKFKLAMALEKIAL
UniRef90_S1MUD7 UniRef90_F5Y7B1	AI YSDNDPRAAI FKRYVSKLQEKGEQAAKEFELYALVEKI
UniRef90_K0ZDV9	RVYKNYDPRAALVKETAHDVLSRKRDELLDLAMELEDLAL
UniRef90_R2RTQ0 UniRef90_E1PND2	RVYKNFDPRAKVLKKLRDQL LDELGIDTNLIKVATRIEE!
UniRef90_R6TWJ8 UniRef90_UPI00044173E1	RVYKNMDPRAAI MKET CDEV LNEHNDPKFKLAMALEKIAL AI YSDNDPRAAI FKRYVSKLQEKGEQAAKEFELYALVEKI AVYSLSDPRALI FQRFVERLANEKNRAKEYNLYAKTAEVI RVYKNYDPRAAL VKETAHDV LSRKRDELLDIAMELEDIAL AVYAESDPRAEI FKRYVEKLAAEKGEFNLYRKVERLAPEI RVYKNFDPRAKV LKKLRDQLI DELGIDTNLIKVATRIEEI AVYTKTDPRCEVFRDYVHHLKGREEELALYANVEKVGKAL RVYKTSDPRSFI VRRTADEVFKTGKDELLETAMALHDAAM AVYTLSDPRCQL LSKQCKQLAIEKNRLKEYELYHRFEEVA RVYKNFDPRSKEI KVLASQI LDRDENPDFELALKLEAAAL RVYKNFDPRSKEI KVLASQI LDRDENPDFELALKLEAAAL
UniRef90_R5Q9B1 UniRef90_J7KWS1	A V Y T L S D P R C Q L S K Q C K Q L A I E K N R L K E Y E L Y H R F E E V A R V Y K N F D P R S K E I K V L A S Q I L D R D E N P D F E L A L K L E A A A L L
UniRef90_UPI00047DE9E6	R V Y R K G D P R A K H L K K M S E K L T N L T G E P K W Y E M S T K V

UniRef90_R6H0G6 MHKRKLFKPVCANVDFY	380 S G F V Y T M L G P R E L F T P 1 F A 1 S S G L V Y R K L G P T D L F T P V F A 1 A
UniRef90_R6H0G6	S G L V Y R K L G I P T D L F T P V F A I A S A T L Y H T L G I E K D L F T P V F A V S S G F I Y S M L G L P H Q L Y T P L F A I A
UniRef90_UPI000477E741	T GLI Y R A M G F P T D F F T V L F A M G S A S V Y T QL G I D R E L F T P L F A I S S G I L F H H F G I K D L L F F T V I F G C S
UniRef90_A0A022KZR1	T G I I Y K A M GFPTQMFTV L FA I G S G L I Y R A M GFPPEFFTV L FA I P S G L V Y S M L G L P K E L Y T P I F A T A
UniRef90_W0Z7Y8	T G V I Y K A M G F P T R M F T V L F A I G S G I I Y K A L G I P T N M F T A M F V L G S G L V Y R K L G L K P D L F T P M F A I S
UniRef90_E9UY23	S GLIYEALEFPP E MFTVLFALG S A S M Y Y S M G L P T H L Y T P I F A C S S A S V Y H C L G I D H D L F T P I F A V S
UniRef90_R6MDL6	S G F V Y S M L D L P M L E L Y T P M F A I A S A S V Y T Q L G I E H E L F T P I F A I S S G I V Y R K L G L P T D L F T P I F A V A
UniRef90_UPI0003699AB1	S G T V Y R K L G L P T D L F T P I F A V A T G L I Y K S M G F P T N M F T V L F A I G S G L V Y K K L G L P V D L F T P I F A I A
UniRef90_I4B4L5	SGIIYRAL GLPTEMFTVMFALG TGLIYRAM GFPTNFFTVLFGMG SGFVYNML GLPTELYTPIFALA
UniRef90_C1E756 Q D E Y F V N R K L Y P N V D F Y : UniRef90_UPI00035DCB5C E D E Y F I K K K L Y P N V D F Y : UniRef90_R6KMN5 M E Q R R L F K N V C A N V D F Y :	S G L V Y R A L G F P P E F F T V L F A V P T G L I Y E A M G F P A E M F T V L F A I G S G F V Y T M L G I P K E L F T P L F A I A
UniRef90_R7AHA8	S G L V Y K M L G L P A D L Y T P M F A I S T G L I Y K A M G F P T N M F T P L F A V G S G I V L K A I G L P V K M F T T L F A L A
UniRef90_V9R7U4	S G V L K A G P V K M F T T L F A L A S G V L S A L G P V S M F T V F A L A S G F V Y R M L E L P E E L Y P T F A I A S G F V Y K M L N I P I E L Y T P I F A I S
UniRef90	SGFAYNMII IQII IPF DMYTPII IFIVI <mark>C</mark> A
UniRef90_U4WLL6	S GV L LQHYGMKEQLFYTVLFGLS S GFVYKML GIPTELYTPIFAIA S GIVYRAIKIPT EMFTPLFALG
UniRef90_B3PDN9	S G
UniRef90_E6UG83	S G F V Y R M L G V P Q D L F T P M F A V S S G I L N A I G I P T S M F T V I F A I A S G F V Y E M L G L P M E L Y T P L F A I A
UniRef90_U7JQG0	
UniRef90_U2PQQ6	S G V I LR A L G L P L S M Y T V M F A L G T G L L Y Q A M G F P T K M F T P L F A L G S A S T Y Y Q M G L P L D L Y T P L F A M S
UniRef90_S2XPH0	SGAVYD LLGIPKSLFIPIFASS SASVYHSLNIDH DLFTPIFAVS SGEVYSMIDIPF FIYTPMFAVA
UniRef90_C8H6U7	SGLIYKAM GFPIDMFPILFIVP SGSVLHHYGIKYPEYYTVLFALS SGILYOSM GFPMSMFPVLFALG
UniRef90_X0R623 T S E K G L L P N V D F Y S UniRef90_A8ZRR9 K D S Y F T D H N L Y P N I D F Y S UniRef90_R7HFL3 A K E R K T Y K G V S A N V D F Y S	SASVYHSE GIDHDEFTPIFAVS SGEVERTE GIPVEMFTVMFAIG SGEVYSME GEPQEEFTPIFAVA
UniRef90_R4Z1T7	SGLIYQAM GFPMDMFTVLFAIIP SGFVYSML GIPQELFTPIFAMA
UniRef90_R6QK25	S G L V Y K V L G I P E D L Y T P I F A W A S A S T Y Y Q M G I P V D I Y T P I F A M S A A A V M K A V E L P A D L F T P T F T A S
UniRef90_UPI0004730772	A A A V M K A V E L P A D L F T P T F T A S S G L V Y E M L G I P Q D L F T P M F A V S S A S L Y Y S L G I P T H L Y T P I F A C S S A S V Y T T L G I A R D L F T P I F A I S
UniRef90_A0A015P6K4	SASVYTTL GLARDLETPIFALS TGVIYKAM GEPTRMETALETIG SGEVYTML GLPEELETPIFALS TGLIYKAM GEPTRMETPLEALG
UniRef90_UPI00037EE018	T G I Y K A M G F P T R M F T P L F A I G S A S A Y H S M G I D H D L F T P I F A M S S G F V Y G M M G I P E D L F T P L F V M A S G I V L S A L G F P T S M F T V L F A L A
UniRef90_UPI0003603C3B	S G
UniRef90_U1LSM3	S G I V L S A L G F P T S M F T V L F A L A S G L V Y D M L G I P E D L Y T L L F V I G H A S A Y H F M G I P T K L F T P I F V M S S G F V Y S M L N L P T E L F T P I F A I A S G F V Y S M L N L P T E L F T P I F A M S S G F V Y K M L G L P E E L Y T P I F A M S S G F V Y K M L N I P E E M F T P I F A M S S G F V Y K M L N I P E E M F T P I F A M S S G F V Y S M L D I P L E L F T P I F A L A S G F V Y S M L D I P L E L Y T P I F A L A S G F V Y S M L D L P E E L Y T P I F A L A S G F V Y S M L D L P E E L Y T P I F A L A S G F V Y S M L D L P E E L Y T P I F A L A S G F V Y S M L D L P E E L Y T P I F A L A S G F V Y S M L D L P E E L Y T P I F A L A S G F V Y S M L D L P E E L Y T P I F A L A S G F V Y S M L D L P E E L Y T P M F A L A
UniRef90_R2HBM4	SGFVY ML GLPREVY I PLFAMS SGFVY KML GLPE LYTPI FAMA SGFVY KMLNI PE EMFTPI FALS SGFVYS MLDI PL ELFTPI FAMA
UniRef90_D4MVE4	S G F V Y S M L D I P L E L F T P I F A M A S G I V L S A I G I P V S M F T P I F A L A S G F V Y E M L G L P K E L Y T P I F A I A
UniRef90_F5Y7B1	S G F V Y S M L D L P E
UniRef90_E1PND2	S GE I LK AL GIPNEMFATEFVIG S G F V Y E ML GLPMELLY T PLFAVA
UniRef90_UPI00044173E1	TGIVIIYRTM GFPTNMFTIVLIFAIIIG

	440 400 400
UniRef90_R6H0G6	410 420 430 R MA G WS A H R L E E L VN A G K I R P A Y R Y V G H H R P Y L E
UniRef90_UPI000344E305	RIVIA G WILIA H WK F QILIA A N. RILIF R P T QILIY T G
UniRef90_UPI000289B674 UniRef90_D4MW69	RISGWAAHILEQYS DNRLIRPRAEYNGPSQRAF RIVGWSAHRMEELMNGNRIJRPAYKAVAPHREYTP
UniRef90_UPI000477E741	RILIP G WILIA Q Y R EIL VIEN G S KILIY R P R QIVIY T G PILIR E FIVIP R
UniRef90_X4ZYA1	RIVIS G W T A HII LIE Q Y E D N RII I IR P R A E Y T G QIVIE K Y IVIP
UniRef90_G0W640 UniRef90_A0A022KZR1	R SI G P L T Q L V W D R I Y G L P I E R P K S I S R L P G W I A Q W Q E M H D P D T K I G R P R Q I Y T G H P E R
UniRef90_P49299	R M A G Y L A H WR E S L D D P D K I T R P Q Q V Y T G P N E R L V P A K
UniRef90_S2XXB8	R MA G Y L A H WRESEDDPDKI I R P Q Q V Y T G P N E R L V P A K R I V G W S A H R L E E L K N V D K I J R P A Y K S L A P H R A Y V E M E
UniRef90_W0Z7Y8 UniRef90_T0RKB2	RLPGWLAHWREMQLDPQKIGRPQQLYTGAPERNYP
UniRef90_TORKB2	R L P G W L S Q W K E R E D T T G K I A R P R Q I Y V G E N E R N Y K K R V A G W L A H W K E Q L A V N R I F R P T Q V Y L G
UniRef90_E9UY23	RTPGWIISOWIIEILVIODEOKILIARPKOILIYTGERILIEEIVIPR
UniRef90_UPI00040567FD UniRef90_F7Z043	RISGWTAHVLEQLR NNRLIRPRAEYTGPTHREF RISGWIAHLLEQYA NNRIIRPRAEYIGPGMRYVP RIAGWSAHRIEELVNPGKIIRPAYKSLAAHKEYVP
UniRef90_R6MDL6	RI A G W S A H RI E E L VN P G K I I R P A Y K S L A A H K E Y V P
UniRef90_D3ECL8	RVSGWTAHILEQYE GNRIIRPRAEYTGMTQKYVP RVAGWLAHWKEQLGHG RIYRPQQIYTGQ
UniRef90_UPI0003699AB1 UniRef90_E3BDY4	RMPGWLAHWKEQLGHG RIYRPQQIYTGQ RMPGWIAQWREQKDAAKKIGRPRQVYVGATERDYPTK
UniRef90_K9SLF0	RIVIT G WIL IA H WK E QIL I IVID N RIL IF R P T QIVIY T G K
UniRef90_I4B4L5	RMPGWIAQWKEMIENSAKIGRPRQIYNGSTVRFVPAE
UniRef90_C4LHB6 UniRef90_U2CNA3	R L P G WL A Q H L E L V N D K S R I N R P R Q V Y T G Y D E R H V R M V G W S A H R M E E L A N N G K I I R P A Y K T I C T D K D Y I
UniRef90_C1E756	R MVG WS A H R ME EL A N N G K I I R P A Y K T I C T D K D Y I R A A G Y L A H W R E S L T D P D K I A R P Q Q V Y Q G E W L R S Y P A R M P G W L A Q W E E G L L D E Q K I A R P R Q L Y T G H Q E R P Y P S
UniRef90_UPI00035DCB5C UniRef90_R6KMN5	RMPGWLAQWEEGLLDEQKIIARPRQLYTGHQERPYPS
UniRef90_R7AHA8	RIPGWSAHRLEELLNASKIIRPAYKYVGHHASFVP RLAGWAAHRMEETLTGKRIJRPAYKALAKERAYVP
UniRef90_UPI0003B784C1	RTPGWIIAOWRE MILINDPILIGRPROWYTGYAARD
UniRef90_V9R7U4 UniRef90_L1NUJ4	RTSGWSAQWYEMVANKNKI CRPRQLYTGHITK RTVGWISHWHEMISDGQKI GRPRQLYTGAPRRD
UniRef90_E0S1X6	RIVG WS A HRME ELANNGKI IRPAYMAILEPRKEYVD
UniRef90_Q2RJF3	RIVGWSAHRMEELANNGKIIRPAYMAIEPRKEYVDRIAGWCAHRIEELVSGGKIFRPAYKNVLGKKSYIPRMAGWLAHNIENKMYDGKIMRPAFKYVGEATPYKKRE
UniRef90_R5T645 UniRef90_U4WLL6	RMSGWIAHIIMEOYE NNRILIRPRADYIIGPIVNOHEK
UniRef90_C9ZZW4	R QIL IGIV L IT GII VIWD RIL IQ G R PII IE R P K T M T S E SIL L I
UniRef90_E0RSW6	RII A G W S A H L V E E L I S G G R I I R P A Y K N V I G K R E Y V P
UniRef90_A6DFU9 UniRef90_B3PDN9	RLPGWIAHWREQNSDKARIGRPRQIYTGETQR RTVGWYSHWNEMVSGPYKIGRPRQQYTGSPKRDYPTK
UniRef90_A4BVD6	R L P G WI S H F R E L R E D E S R I WR P R Q I Y T G P H R R E F
UniRef90_E6VT08	R M P G WL A H W H E A H A D S T R I H R P R Q L Y I G D T P R R M P G W C A H R F E E L V T G K R I J R P A Y K A V A K E R A Y V P
UniRef90_E6UG83 UniRef90_R5ENG6	RTIG WISH WNE MRQT ADRL GRPRQIYTGKELRSVKS
UniRef90_C4ZHC5	RIL VIG WS A H RILIE EIL VIG M N KILLIR P A Y K SIVI
UniRef90_U7JQG0 UniRef90_S2VTZ0	RLPGWIAQYREQVIGSEKIWRPRQIYTGCDVRD RLPGWIAQYREMRDPEGRIGRPRQVYVGETERD RVPGWIANWREAFNEGTRIYRPRQIYLGPAER
UniRef90_U2PQQ6	RVPGWIANWREAFNEGTRIYRPRQIYLGPAER
UniRef90_F3P5H2	RILIPG WILLA O Y R F MILLA D P K RILLG R P R QIVIY D G S L F R H
UniRef90_C7P0I6 UniRef90_V5WKD7	RVGGWTAHVLEQYE NNRLÎRPRARYVGPT RVAGWLAHVLEQRE DNRIYRPTALYTGPEGKHV
UniRef90_S2XPH0	RVSGWLAHI LEQYS NNRLIRPRAEYTGPMQKYVP RI VGWSAHRMEELINGNKI IRPAYESVSAEKEYV
UniRef90_R3WBS1	R V G W S A H R M E L L N G N K L R P A Y E S V S A E K E Y V R L A G W L A H W S E W L D D E N R L Y R P F Q V Y K G Y D K R D Y E S V S A E K E Y V R L A G W L A H W S E W L A T T T T T T T T T
UniRef90_C5M0P5 UniRef90_Q8I6U7	R S II I I G I V I M S Q I L V L I S R G I L I M Y P I L I E R P K S I V I D I I I Y N I L I R K I I I C E K
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JARR890 UP100047DDC1F P Q ALL K DV L ER R P A D S + P M DV M R T G Q S M G V L ALL Y S V D S A P E D K S D N R S D V T R N N Y S D V T D N N N K M A Q A V L ALL Y S V D S A P E D K S D N N S A P E D K S D V T T R N N K M A Q A V L ALL Y S V D S A P E D K S D V T T R N N K M A Q A V L ALL Y S V D S A P E D K S D V T T R N N K M A Q A V L ALL Y S V D S A P E D K S D V T T R N N K M A Q A V L ALL Y S V D S A P E D K S D V T T R N N K M A Q A V L ALL Y S V D S A P E D K S D V T T R N N K M A Q A V L ALL Y S V D S A P E D K S D V T T R N N M S M S A V E P E D M A D V M D T L E A D V M D S A V E P E D M A D V M D T L E A D V M D V M T ALL S S V S M S K T Y P E L K D M S M S M S A V E P E S A D M N L D M S M S M S A V E P E S A D M N L D M S M S M S A V E P E S A D M N L D M S M S M S A V E P E S A D M N L D M S M S M S A V E P E S A D M N L D M S M S M S A V E P E S A D M N L D M S M S M S A V E P E S A D M N L D M S M S M S A V E P E S A D M N L D M S M S M S A V E P E S A D M N L D M S M S M S A V E P E S A D M N L D M S M S M S A V E P E S A D M N L D M S M S M S M S A V E P E S A D M N L D M S M S M S A V E P E S A D M N L D M S M S M S A V E P E S A D M N L D M S M S M S M S A V E P E S A D M N L D M S M S M S M S A V E P E S A D M N L D M S M S M S M S A V E P E S A D M N L D M S M S M S M S A V E P E S A D M N L D M S M S M S M S M S A V E P E S A D M N L D M S M S M S M S M S M S M S M S M S M	UniRef90_C0QFJ7	HEDMKI FYQNYPSKAHPMGI LISAMVINAMRSFYPELI DILEE
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Dirike(90)	UniRef90_M0MJM3	DDRI LATLDELAGDERPMAALRTAVSMFSAGDPDS
Dirike(90)	UniRef90_J0JFP8	PLALQSALETLPAHSHPMDVMRTAVSVLG <mark>CVL</mark> PEKDDHNL
Junker90	UniRef90_UPI00036CE725	DEDTIRVIESMPQD <mark>CHPMD</mark> VLRSAISYLGT QD
JAIRE190_R7FFU1		P G H V R N A I L E L P T T C H P M D V V R T A I I S Q L G A H D P D A E P A N V K S A I F A V P A A A H P M D V M R C G V S A I G C V L P E K E
Drikef90	UniRef90_R7FFU1	PNHENSGIVI MKMPSDNII IMNTMAKCIVI IAII IHAYDPRPD
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Drikef90	UniRef90_I7IR70	PKHVYSVLDSLPTNAHPMMQYVVAVSALQTESIFKHQHSG
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UniRef90_UPI000364943D	UniRef90_B8I6Q7	PVGFTFDMI I KAPSCDIMNKI ARSVIASYSYDDFPDGI
UniRef90_UPI000364943D	UniRef90_F8BNT2	PAAVRQALEQLPAAAHPMDVMRTGVSVLGCVLPEAHDHNQ
D	UniRef90_UPI000364943D	PDGLKUVLEQVPGDAHPMDVLRTGCSVLGT
Direction Green	UniRef90_U1P0Z9	DE AV LOSLRV LADDERPMAALRT GVS MLS MT DPDAD
Dinker D	UniRef90_G7E529 UniRef90_U5WXP5	HQDILERILIFAAFRYDSHPMSII MVSAFSSLIGAFSPEANPALA
UPI00040B9C8B	UniRef90_C9LWZ5	PEGFLET HLLHHPGKNLMNQLQQSLLALYNYDPDPD
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UniRef90_F4HCU1 UniRef90_UPI000374DF50 UniRef90_UPI000374DF50 UniRef90_UPI0002F17ED4 UNIXED UPI0002F17ED4 UNIXED UPI000	UniRef90_UPI0003B641A8 UniRef90_D1BWF0	P D E IL V E IV L IR G IL IP E D C H P M D T IV IR T A IV IS W L IG A R D P R S E R D D IV R A A L ID A IL IP P G A H P M D F IL IR T A IV IS V L IG A R F G F G F S I H F
UNIRE190_UP10003/4DF50	UniRef90_F4HCU1	PLAVKNVLKSI PASSHPMDVMRTATSALGCVEPEKEDFSD
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UNIKETSU_HSFQUZ S K S MI I S IL L G K L I P D S C H P M D I I L IR T A II S A L I G A E D P S S E N N D P UNIKETSU_HSFQUZ S K S MI I S IL L G K L I P D S C H P M D I L IR T A II S A L I G A E D P S S E N N D P UNIKETSU_HSFQUZ S K S MI I S IL L G K L I P D S C H P M D I L IR T A II S A L I G A E D P S S E N N D P UNIKETSU_HSFQUZ S K S MI I S IL L G K L I P D S C H P M D I L IR T A II S A L I G A E D P S S E N N D P UNIKETSU_HSFQUZ S K S MI I S IL L G K L I P D S C H P M D I L IR T A II S A L I G A E D P S S E N N D P UNIKETSU_HSFQUZ S K S MI I S IL L G K L I P D S C H P M D I L IR T A II S A L I G A E D P S S E N N D P UNIKETSU A I S IL G A E D P S S E N N D P UNIKETSU A I S IL G A E D P S S E N N D P UNIKETSU A I S IL G A E D P S S E N N D P UNIKETSU A I S IL G A E D P S S E N N D P UNIKETSU A I S IL G A E D P S S E N N D P UNIKETSU A I S IL G A E D P S S E N N D P UNIKETSU A IL G A E D P S S E N N D P UNIKETSU A I S IL G A E D P S S E N N D P S IL G A E D P S S E N N D P S IL G A E D P S S E N N D P S IL G A E D P S S E N N D P S IL G A E D P S S E N N D P S	UniRef90 UPI0002F17ED4	PSALCSVLESIPADAHPMDVMRTGCSMLG
IniRefor AARGPA PTAVICELLIERIJPKDAHPMDVIMRTGCSALIGT		SKSMJI SLLIGRLIPDS <mark>UHPMDTLIRTAJI SALIGAEDPSSENNDP</mark> PQGVLIDMI QSMPNDVHPVIGAI VITAMSAI SI IFYPDANPSI M
STINCESO_AADOLA TANGOLE LE LE KILIK BATTI MIDIO MIKTO O O ALLIOT	UniRef90_A4BGP4	PTAVCELLERIPKDAHPMDVMRTGCSALGT

UniRef90_B9YBJ0 UniRef90_R6WDF3	170 180 190 200 A N T L D Q G L S L L A K M P A I L C Y S M A A K A H F F E N K S L I V D I S V A N V L R Q C L Q L I A V F P M L A V Y G Y Y Q H Y H C G K S L
UniRef90_I3S1I0 UniRef90_B9XII2	GLDIHNSKQVRDKQI VRI I GKI TTI AAAL NLRLGGRPP TTSEDSSMDSQRRKAI RI VAQI PTVTAFFH RHRSGKSI
UniRef90_R6FWP6 UniRef90_S7X9K4 UniRef90_R9KDH6	DTSIPNVVRQCISLISRVPLISVYSYHAMRHYHLHI PEQVELS TIRLLAKLPVIAA YAHKKSLGQAL QVNSSDVISNSLRQCIELISIFPMLAVYGYHAYNHYENDL
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UniRef90_M8D550 UniRef90_UPI000479CA37	<u> </u>
UniRef90_U1NGH7 UniRef90_B4WM53 UniRef90_C4GAH2	D S E A N N R K S R R I T A K M P T A L A A Y N R L R N G K E P L N D P A Y V Q N A V V R L L A K I P T M V A A F E L M R K G N D P T S P V N V L R Q C L Q L I A N F P L L S V Y G Y Q V Y K H Y S L I L
UniRef90_C0QFJ7 UniRef90_A0A059LMN7	DILSI ITF LRIL I SKIVRTMAAMAY KILSKGHKT GONI IYKSROVQDKQI VIRIL I GKILPTILAALAYHRA SGRKA
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UniRef90_R5H2Y2 UniRef90_E1YKL4	E N
UniRef90_C9CWP7 UniRef90_D2RYT5 UniRef90_R9U0R7	A GARDIT D RLI A A Q G S ML L Y W Y H F A Q N G R R I DLE A T M R K G R R I T A K I P T A L A A F E R Y R Q G E E P E A N Y R K A V R L Q A K M P A L V A A F S R I R K G L E P
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UniRef90_UPI000362B24C UniRef90_R5K8A1	D N SIVIE A N RIVIK A E A M M A RII IP LIV VIA — A D H R R R Q GII ID P
UniRef90_I6Z5B1 UniRef90_UPI000361D08B UniRef90_W6EFI8	DTGVNNSLRQCIQLISEFPMLAVYGYNAYNHYVKNI QDR ADRLVAMAPSVMAYWY RFSHGGQRI DSSPEAELAKALRLWAVLPAVVA LDQRRRRGQEI QA SKITRLMGIFPSILL YWHHYHVNGKEL
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UniRef90_N0BN60 UniRef90_UPI00036CE725 UniRef90_U1Z1T9	KHOYKSHERSIEKSISLIAKFPTIVA YFHRIRTGONL KEHFTPNADHIRNIARSLLAKIPTIVA LDIRRRRGEGY DSSPEAEQAKAVRLWAVLP AAVALDQRRRRGLQL
UniRef90_UPI0003B393E0 UniRef90_R7FFU1	DHNIPGARDIADRL VASLGSMLLYWYHWSTS GRRI DTSLPNVMRQ <mark>C</mark> LQLIAQFPSLAVFGYQASMYFRNDI
UniRef90_R5VM38 UniRef90_R8VSZ2 UniRef90_I7IR70	DSSPEAEQAKAVRL WAVLP AAVALDQRRRRGLQLDHNIPGARDIADRLVASLGSMLLYWYHWSTS GRRIDTSLPNVMRQCLQLIAQFPSLAVFGYQASMYFRNDIPSLEGEMRIALGLIAKMPILMDGAYQAKRHKSMLIDISTENILRQGIGLMAKFPVIISHAYQARRRYFEGLNLNKNTYWKFYLQDALSLMAKSLPIVAYIIYNHNIKDGQGM
UniRef90_W5WSA1 UniRef90_R6NNU7	LENVLRQCI SI TAQI PV I MVY AYQVKRRHYYKKS MYI HPI
UniRef90_K0EXK3 UniRef90_E2ZPA3 UniRef90_UPI00047E3773	PAEADNS PAANRAKALR MLAV LPTI VA ADHRRRRGLD P LS FDQQRD VAD RLLAAF PAIMTY WY RFTHEGQRI DTTVS NV LEQCLRLIACF PLIGVY GYHYHNNN SLII
UniRef90_I1E0U5 UniRef90_G5H524	LSFDQQRDVADRLLAAFPAI MTYWY RFTHEGQRI DTTVSNVLEQCLRLIACFPLIGVYGYHYHNNNSLII NLETEQSFAQQQDVTDRMLAIFPGLVNYWY NYSHHGKRI DTSRDNLMRQSIDLISKFPTIIAYAYNIMRHSHLHI GASQPDSAYTQNALVKIISNMSTLVAMW TRISRGYDP QGARDIADRMAC FGSALLYWHHFSLNGTRI
UniRef90_UPI0002880D19 UniRef90_C0N7K3 UniRef90_UPI000375535A	
UniRef90_UPI00040CBE66 UniRef90_A5VFR1	E A N L E K A L S L F A A F P A V V A Y D Q R R R R G Q D L H D H N P S D A R D V A D R L MA S L G S L L L Y W Y H F A H N G R R L
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UniRef90_F4AN18 UniRef90_C4L8V8	H Q A A N R L L A A F P A I M C Y WY R Y S H E G V E I E Q H R E V A A Y R L I S K M P T L A A M S Y K Y S L G Q P F
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UniRef90_G1WJF2 UniRef90_A1W6F2	SPEHELDVAVSMLSRLPRIAAMAHALALARQQGI DHNLAGSRDLADRLLASLGSMLLYWYHFSNS GRRI
UniRef90_B8I6Q7 UniRef90_D5WSP5 UniRef90_F8BNT2	VGNESYGWPPTVEQAMELTAKVPTLIT YRHSRLNGRQP PGAKDI ADRLMASLGSMLLYWY HFSHNGRRI
UniRef90_UPI000364943D UniRef90_G9ERL3	S G A R D II A D K L L A S L S S I L L Y WY H Y S H N G E R I H Q A A N R L L A A F P A I M C Y WY R Y S H E G V E I L Q H R E V A A Y R L I S K M P T L A A M S Y K Y S I G Q P F D N V S D L S L D N V L R Q S L M L I S V F P M L S V Y G Y H A Y N H Y E L Y L G Q T T E E S L A V M D K Q I Y R L I G K A T T L A A M A Y R V R Q G R D F S H D V A G A R D II A D R L L G S L T S M L L Y W Y H V S H N G R R I S P E H E I D V A V S M L S R L P R II A A M A H A L A II A R Q Q G I D H N L A G S R D II A D R L L A S L G S M L L Y W Y H F S N S G R R II D P K N L R Q S I E L I A R F P T M A A Y G F H Y Y G G Q S L Y L V G N E S Y G W P P T V E Q A M E L T A K V P T II T Y R H S R L N G R Q P P G A K D I A D R L L A S L G S M L L Y W Y H F F H N G R R I I E T E N D Q S D P L H I A D R L T A C F G S M L L Y W H F F H T N D R Q I E A R P R D E A A A R R K G R R I L L A D I P T L L A A Y D R L R R G E E P
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UniRef90_D4HEV6 UniRef90_UPI000415E06F UniRef90_Q210Y5	E E S F T D A A A K L M S K V R T I A A A S Y K A S L G E P A D S S P V A E L A K A Q S L F A A F P A I V A Y D Q R R R R G L D V H D H N A P G A R D I A D R L L A S L G S M L Y W H H Y S H H G R R V E N V L R Q C L Q L V A L F P M F A V Y G Y Q A A C Y F H E G T S F F L
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UniRef90_UPI000374DF50 UniRef90_E4PQ15	QLA KAIRLLGALPSFLI YWHHWHKHGKEI GEPNQELNHEVALSLVAKTPVIVA YYHLIRQGKEL NLETEEDFSEQDDKLDRMLAVFPSILITYWY RFAHEGVRI
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UniRef90_B9XII2	V
UniRef90_R6FWP6 UniRef90_S7X9K4	I N P D P N L S T A E N L R L R P N S T Y E A K L D L A L V L H A E H G G L Y P D N S L S F V D N F L K E D Y E V N P V L S E A L D R L L I L H E D H E
UniRef90_R9KDH6	HRPEPEL STAFNI I MMI RPDKKYFAKVI DVAL I I HMEHGG
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UniRef90_I2FD16 UniRef90_M8D550	STESSQDSIIAGYFILESILHQKEPKEVKAMHASILILIYAEHE
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UniRef90_R5H2Y2	HRPAPGLSTAENFLRMLRPDTCYEARVLDIVLMLHMEHGG
UniRef90_E1YKL4 UniRef90_C9CWP7	VYPRPDLSYCANFLNMMFDSPDDLVKALNVFWILHADHE EVETDDDSIAAHFLHLLHGTRATEAQIRAMDTTLNYAEHE
UniRef90_D2RYT5	VDPHPELGLAANFLYMLTGEEPGDVHAFDQALILHADHG
UniRef90_R9U0R7	
UniRef90_F4B8N0 UniRef90_E2Z9I8	<u>VHPDPSLSHAENFLYMMRKPNPLDSRTMDVAMILHMDHE</u> <u>H</u> YPRKD <u>Y</u> STAQN <u>L</u> LS <u>LLRVF</u> SDA <u>EAKLLDLLLFLH</u> ADHGG
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UniRef90_UPI0004764D21	IL PPRDDLS HAANFLY MLFGPDPLLEQUMDVAFILVHAEHT
UniRef90_UPI00035FDD70 UniRef90_UPI000362B24C	I QPDPGLDYAENFFHMCFFVPFTFVVRCFFVSMILLYAFHS
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UniRef90_I6Z5B1	HYPRKDYSTAQNILSILIRVESDAEAKILDII LLIFLHADHGG VEPRDDLDYASNFLHMTFEVPDDVVVDAFRVSLVLYAEHS I PPRDDLSHAANFLYMLIFGPDPLLEQIMDVAFIVHAEHT VQPDEDMSQAANFLYMIKDPEPDIAKFMDVAMILHADHE IQPDPGLDYAENFFHMCFEVPETEVVRCFEVSMILYAEHS HRPAKNLSTAENILMLLRPYSKVEAKVLDTALILHMEHGG SCNSDEATLGGHFLALLHKPSELEVKVMNVSLILYAEHE VHPRDDLGYSANFLWMTFGEEAEPAVVQFEASMVLYAEHS DTTSSQDTIGGYFLEKLHNKQPSEIKAMHVSLILYAEHE VTPRPDLDHAANFLYMLNEPDPVLAETFDMALVLHADHG
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UniRef90_U1Z1T9 UniRef90_UPI0003B393E0	<u>V E P R D D L S Y A E N F L WL T F E E P E P A V V R A F E V S M V L Y A E H S E V E T D D D S V G G H F L H L L H T P N E S W V K A M H V S L I L Y A E H E </u>
UniRef90_R7FFU1	QKPDPSLSAAENI LYMMRPYTRLEARLIDL <mark>C</mark> LVLHAEHGG
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UniRef90_B8I6Q7	HSPLPQLSTAENLLHMIRPDNKYEAELLDLALVLHAEHGG
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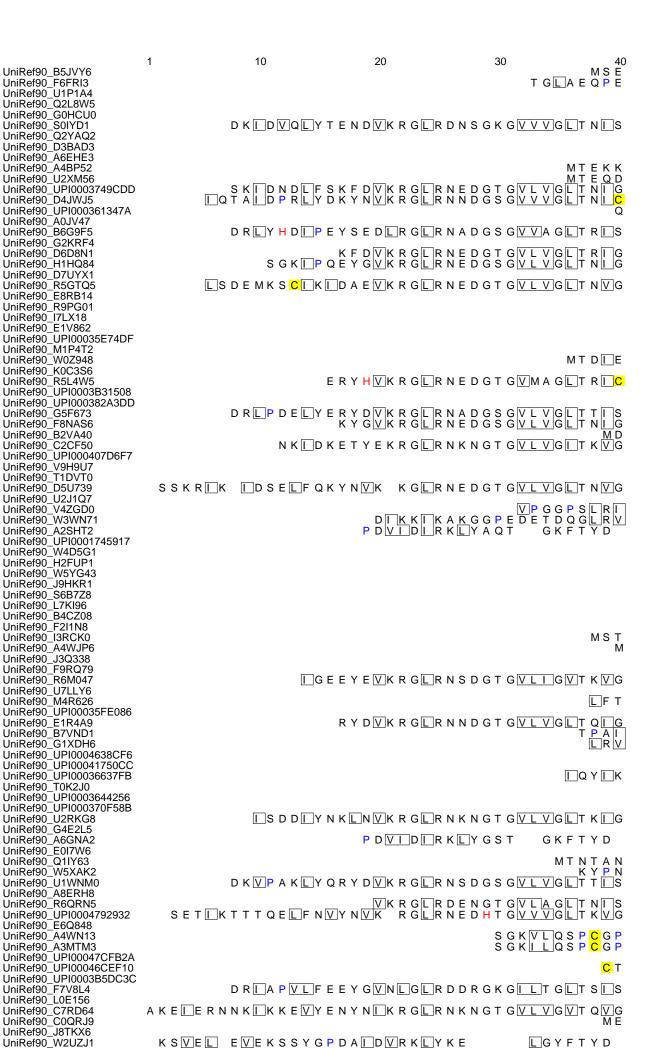
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5111110100_A4DG1 4	\sim	אואו וסטואון r iviv <u>v</u> v i lr	. WICKRESERESDI REIDESER <mark>o</mark>

	270 200 200 400
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UniRef90_C0N7K3 UniRef90_UPI000375535A	EQVMWREKNMFPNLDWYSASSYH MMGII PTSFFTPII FVI IS ETVMQE <u>GK</u> KMFPNLDWFSAVSYHM <u>M</u> N VPTAMFTPLFV <u>I</u> A
UniRef90_UPI00040CBE66 UniRef90_A5VFR1	ETVMQEGKKMFPNLDWFSAVSYHMMN VPTAMFTPLFVLAMQEAKDLL PNLDYPAGPTYH LMGFDTQMFTPLFVLASESVMWDAKRMFPNLDWFSAVSYD LMGVPTAMFTPLFVLAEKLVYEELKRNCNVDFYSAS LQHYMGI PGDLFTCLFAAS
UniRef90_A6CE34	E S V M W D A K R M F P N L D W F S A V S Y D L M G V P T A M F T P L F V I A E <u>K L V Y E E I K R N C N V D F Y S A S L Q H Y M G I</u> P G D L F T <u>C I</u> F A <u>A</u> S
UniRef90_D0JBK4 UniRef90_A8AKC2	EKLVIYEEIKRNCNVDFYSAS LQHYMGI PGDLFTCI FAAS ALQYVENKLYPNI DFYSGI I YQAI GLPKDMFTVMFALG ENVMWESKKMFPNLDWFSAVSYN MMGVPTEMFTPLFVI A EEFMWDTKKLFCNADFFHASAYHFM GI PTKLFTPI FVCS SDPYFI EKKLYPNVDFYSGI I LNAI GI PTSMFTVI FALA I AECRI YKGVSANVDFYSGFVYS LLGI PLELYTPI FAI A MDEYFI KKLAPNVDFC GLI YRAMGFPLDFFPVL FAVP
UniRef90_F4AN18	E E F M WD T K K L F C N A D F F H A S A Y H F M G L P T K L F T P L F V C S
UniRef90_C4L8V8 UniRef90_R7R1W0	SDPYFIEKKLYPNVDFYSGIILNAIGIPTSMFTVIFALA IAECRIYKGVSANVDFYSGFVYS LLGIPLELYTPIFAIA
UniRef90_V2X6E6	MDEYFLKRKLAPNVDFC GLTYRAMGEPLDFFPVLFAVP
UniRef90_UPI00029AC5D6 UniRef90_G1WJF2	ESVMWREKKMFPNLDWFSAVSYYVM GVPTSMFTPLFVI A MRDVRGSKPICANI DLYTGFIYSMLGI PQT LFTPMFAVA ERVMWQEKQMFPNLDWFSAVSYHMMQ VPTAMFTPLFVI A
UniRef90_A1W6F2	ERVMWQEKQMFPNLDWFSAVSYHMMQ VPTAMFTPLFVIA
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UniRef90_F8BNT2	MAETKK MFANLDWFSAASYYAM GVPTAMFTPLFVLA
UniRef90_UPI000364943D UniRef90_G9ERL3	EQVMWREKNÜFPNLDFYSASAYH ÜCGIPTPMFTPIFVMS EEVMWSEKKLFPNLDFYSASAYHY <mark>C</mark> GIPTF LFTPIFVMS
UniRef90_U1P0Z9	TEEQRPEKGIAPNVDFYSGSVYHQL GIPVDMYTPIFAMA
UniRef90_G7E529 UniRef90_U5WXP5	EQVMWREKNLFPNLDFYSASAYH LCGIPTPMFTPIFVMS EEVMWSEKKLFPNLDFYSASAYHYCGIPTF LFTPIFVMS TEEQRPEKGIAPNVDFYSGSVYHQL GIPVDMYTPIFAMA KDEYFTSRNLAANVDFFTGLIYRAI GIPSDYMTVLFAIP ERDMLAATGLKPNLDFPTGPAYH LMGFDIGCFTPIFVMS
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UniRef90_C0QFJ7	R V V G WS A H V L E Q A S N N R I I R P Q S N Y I G S M P E R L A G W A A H V L E Q H D D N R L I R P R A E Y V G P R S G G W I A H V L E Q WE D N R L I R P R A Q Y T G R V A G W L A H W K E Q I S T N R I F R P T Q I Y E G R I A G W S A H R M E E I S S D S K I M R P A Y M T V Q P H R D F V P M E R L P G W L A Q W R E D A L D P L R I S R P R Q V Y T G E T R M A G Y L A H W R E S L T D P D K I I R P Q Q D Y R G V W L R D F R L T G W A A H V M E Q R A D N R I I R P S A E Y T G P E L R T V R I S G W A A H D M E E M N G R P I I R P S A E Y F G P E L R T V
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UniRef90_R5L0S5	
UniRef90_Q8EPE0 UniRef90_R5H2Y2	RTSGWIAHILEQYE NNRLIRPRAEYTGPELRD RVVGWSAHRLEELVGMGKIJRPAYKSVMEEIE
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UniRef90_C9CWP7 UniRef90_D2RYT5	RTAGWGAHVIEQRE DNKIIRPSAHYTGPDNRAF RAGGWVGHVLEYQE DNRLIRPLSRYTGPTQEFVP
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UniRef90_UPI0003B61FA8	RVTGWTAHVIEQLSANA LIRPLSVYGGPAERH
UniRef90_UPI0004764D21 UniRef90_UPI00035FDD70	RIVIA G WILIA H W K E QILIG H S RII IY R PIVIQILIY Q G K R S A G W T A H V M F F K F PII P PI I Y R P S 1 T V VIG K
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UniRef90_R5K8A1 UniRef90_I6Z5B1	RVSGWLAHILEQYE NNRLIRPRADYTGPDMQTF RIVGWTAHVMEYLK DNKLIRPKAIYKGEIGRK RLVGWLAHNLENKLYDGRIMRPATKFVGSLEPYIARK RVTGWTAHVIEQLSANA LIRPLSVYGGPAERH RVAGWLAHWKEQLGHS RIYRPVQIYQGK RSAGWTAHVMEEKFPLPPLYRPSCTYVGK RITGWTAHILEQQEANA LIRPLSSYTGRERRSVP RIVGWSAHRIEELITNNRIMRPAYMSI
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UniRef90_W6EFI8 UniRef90_G0LHX6	RTAGWAAHUVEQRG DNKLIRPNSEYIGPENRYVDIK
UniRef90_C6D8B4	RIVIS G W S A HII LIE Q Y E N N RIL I IR P R A D Y IV IG P
UniRef90_M0MJM3 UniRef90_J0JFP8	R V S G W L G H I L E Y Q E N N R L I R P R A R Y T G P E D E S F R T A G W A A H I I E Q R V D N K I I R P T A N Y I G P E Q R F V P
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UniRef90_UPI00047E3773	RISGWSAHRLEELINNGKIIRPAYKCVAERSSYIP
UniRef90_I1E0U5 UniRef90_G5H524	RISGWSAHRLEELINNGKIIRPAYKCVAERSSYIPRLTGWAAHVMEQRA DNRIIRPSADYVGVEPRSVKRLTGWTAHRLEELNFDKRIIRPSADYVGVEPRSVKRLTGWTAHRLEELNFDKRIIRPAYKNVAAERKFVPLK
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UniRef90_UPI00040CBE66	RTTGWAAHVIEQREDG KIIRPTANYTGPEPRPF RITGWTAHIMEQ AADNALIRPLSVYNGTDERHVEK RTSGWAAHVIEQRQ DNKIIRPSAHYTGPE
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UniRef90_D0JBK4	RLPGWMAHWKEMKFNKDPIGRPRQIYIGSKKRNIK
UniRef90_A8AKC2 UniRef90_F4AN18	RIVIGWAAHU I JEQKQ DNKII I RPSANYTGPDDREF RITGWAAHUMEORS NNRII I RPSADVWGPEPRKW
UniRef90_C4L8V8	RTIĞWISNWLEMQADPSKIĞRPRQLYTĞAPTRTV
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UniRef90_D4HEV6 UniRef90_UPI000415E06F	R M A G WI A H W K E F E D P T T R I S R P R E L Y D G P
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UniRef90_D1BWF0	RVIGWTAHILEQQEHNA LIRPLAAYTGAPERQVP
UniRef90_F4HCU1 UniRef90_UPI000374DF50	RITGWAAHVIEQR DONKIIRPNAEYTGPEDR RTTGWAAHVIEQREDG KIIRPTANYTGPEDR RTTGWTAHIMEQ AADNALIRPESVYNGTDERHVEK RTSGWAAHVIEQRQ DNKIIRPSAHYTGPE RIAGWCAHLLEQL DGNKIIRPSAHYTGPE RIAGWCAHLLEQL DGNKIIRPSAHYTGPE RLPGWMAHWKEMKFNKDPIGRPRQLYTGSKKKRNEF RLTGWAAHIIEQRQ DNKIIRPSANYTGPEPRKV RTIGWAAHVMEQRS NNRIIRPSANYTGPEPRKV RTIGWAAHVMEQRS NNRIIRPSANYTGPEPRKV RTIGWAAHVMEQRS NNRIIRPSANYTGPEPRKV RTIGWAAHVMEQRS NNRIIRPSANYTGPEPRKV RTIGWAAHIIEQR DONKIIRPSANYTGPEPRKV RTIGWAAHIIEQR DONKIIRPSANYTGPEPRKV RTIGWAAHIIEQR DONKIIRPSANYTGPERKKV RTSGWAAHRIEELFGAHRIIRPSANYTGPDEKKYPP ME RTSGWAAHRIEELFGAHRIIRPSANYVGPELKKSFAS RTGGWAAHVIEQRS DNKIIRPAYKSTSRPKKYV RTTSGWAAHVIEQRA DNKIIRPSANYVGPELKFPAS RTSGWAAHVIEQRA DNKIIRPSANYVGPELKFPAS RTSGWAAHVIEQRA DNKIIRPAYKSTSRPKKYV RTTSGWAAHVIEQRS DNKIIRPAYKSTSPRDRAF RTSGWAAHVIEQRS DNKIIRPAYKSTGPERAS RTGGWVAHHVLEQRS DNKLIRPAYKSTGPERAS RTGGWVAHVEQRS NNRLIRPAYKSTGPEDAAF RTGGWVAHVEQRS NNRLIRPAYKSTGPEDAAF RTGGWVAHVEQRA NNKLIRPSANYTGPEDAAF RTGGWVAHVEQRA NNKLIRPSANYTGPEDAAF RTGGWVAHVEQRA NNKLIRPSANYTGPEDAAF RTGGWVAHVEQRA NNKLIRPSANYTGPEDAAF RTGGWVAHVEQRA NNKLIRPSANYTGPEDAAF RTGGWVAHVEQRA NNKLIRPSANYTGPEDAAF RTGGWVAHVIEQRR LDNKIIRPSANYTGPEDAAF RTGGWVAHVIEQRR LDNKIIRPSANYTGPEDAAF RTGGWAAHVIEQRR LDNKIIRPSANYTGPEDAAF RTGGWVAHVEQR LDNKIIRPSANYTGPEDAAF RTGGWAAHVIEQRR LDNKIIRPSANYTGPEDAAF RTGGWAAHVIEQR LDNKIIRPSANYTGPEDAAF RTGGWAAHVIEQR LDNKIIRPSANYTGPEDAAF RTGGWAAHVIEQR LDNKIIRPSANYTGPEDAAF RTGGWAAHVIEQR LDNKIIRPSANYTGPEDAAF RTGGWAAHVIEQR LDNKIIRPSANYTGPEDAAF RTGWTAHVWEQR LDNKIIRPSANYTGPEDAAF RTGGWAAHVIEQR LDNKIIRPSANYTGPERAAF RTGGWAAHVIEQR LDNKIIRPSANYTGPERAAF RTGGWAAHVIEQR LDNKIIRPSANYTGPERAAF RTGGAPERAQVP
UniRef90_E4PQ15 UniRef90_UPI0002F17ED4	R V S G W T A H V K E Q R E N N R I I R P S A D Y T G P R V T G W C A H V F E Q R A N N R I I R P S A D Y I G P E H Q D R I T G W T A H I I E Q I E S N S L I R P L S A Y S G A E Q R T V P A R I A G Y L S H W R E S L D D P D K I M R P Q Q V Y T G A G I R H Y E T R V S G W T A H L K E Q R A N N R I I R P S A G Y V G A E P R A F
UniRef90_H8FQ02	RITGWTAHLIEQIESNS LIRPLSAYSGAEQRTVPA
UniRef90_Q9LXS7	RIAGYLSHWRESLDDPDKIMRPQQVYTGAGIRHYET
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URREF90 UP19144 URREF90 Q216W5 URREF90 W22948 URREF90 Q216W5 URRE	UniRef90 B5JVY6	VVP CILIC CIV VAT K S KVS S I D CAN CIL TE P C V S I D CILIA T K)
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UniRef90_W3WN71 UniRef90_A2SHT2 UniRef90_A2SHT2 UniRef90_UP10001745917 UniRef90_UP10001745917 UniRef90_W4D5G1 UniRef90_H2FUP1 UniRef90_W5VG43 UniRef90_W5VG43 UniRef90_J9HKR1 UniRef90_S6B7Z8 UniRef90_S6B7Z8 GLKDTIACETRISQI GLKDTIACETRISQI D G K GL R Y R G Y P I C Q L V V R G Y P I C Q L V V R G Y P I C Q R V V R G R G I L Y R G Y P I C Q L V V R G Y P I C Q L V R G Y P I C Q L V R G Y P I C Q L V R G Y P I C Q L V V R G Y P I C Q L V R G Y P I C Q L V R G Y R G Y P I C Q L V R G Y R G Y P I C Q L V R G Y R G Y P I C Q L V R G Y	UniRef90_S0IYD1 UniRef90_Q2YAQ2	T Y P E K V N G	
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UniRef90_J9HRT	UniRef90_W5YG43	GLRGTAGQTALCTVGKTGSGLTYRGYDI EDLAAHAE VAGNTALSTVGHSGDDLHYRGYDI RDLARA	
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UniRef90_B7VND1 G G A GL R G Q A G T T A L C T V G Q S G T G L T Y R G Y D L A N H A Q UniRef90_G1XDH6 Y D P A F M N T A A L S K L T Y I D G E K G L M H R G Y P I E Q L A UniRef90_UP10004638CF6 K G L A G V V V D T T V V P E T N S L T Y R G Y P V Q D L A R H C R	UniRef90_M4R626 UniRef90_UPI00035FE086	Y D Q G L T S T A L C E S S I T Y I D G E Q G L L H R G Y P II D E L A T K K N G L K G V K A A E T A I S F I D G T H G L I Y R G K N A K E V A A E H	
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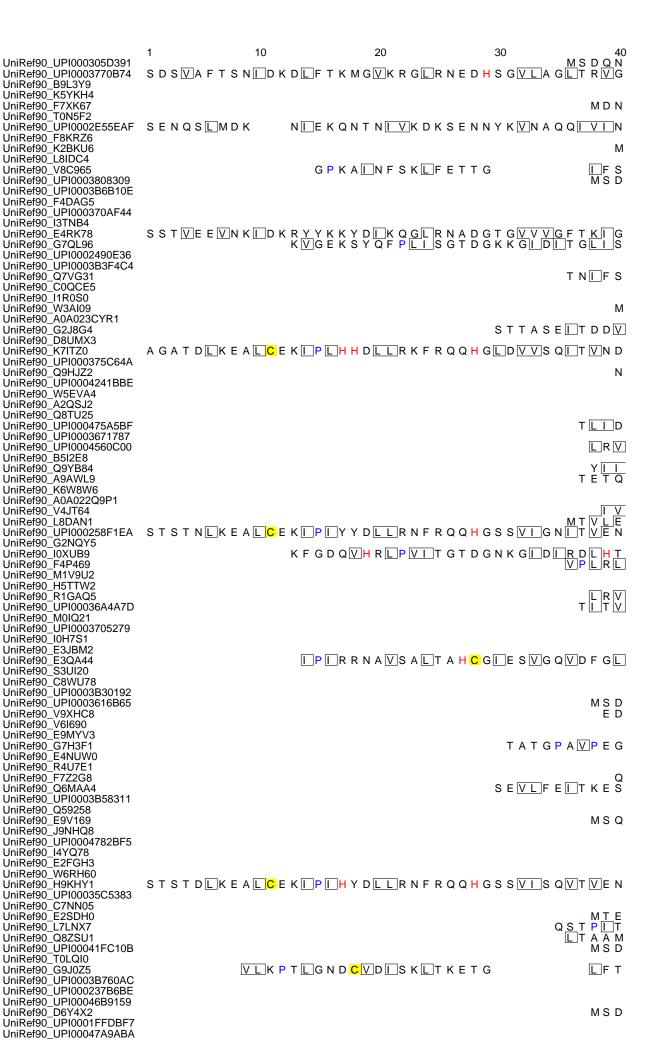
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UniRef90_G4E2L5 UniRef90_A6GNA2 UniRef90_E0I7W6 UniRef90_Q1IY63	F N A S T F A A R N Q N A S T S T V R L M N A S T F S S R N M N A S T F T A L A F N A S T F A C R N	'	H S A I T G A I P F A A I A A G N V S A I C A A I M Y S C M T S A I	G A L R G P K / A <mark>C L</mark> W G P S G A M K G P L G A L K G P L	1 G G A N E V 1 G G A N E A 1 G G A P S E H G G A N E A
UniRef90_W5XAK2 UniRef90_U1WNM0 UniRef90_A8ERH8 UniRef90_R6QRN5	FNASTFACRV GNNSTFTCRV FNASTFTSRV	T V S T L S D L S S S A T D L S S S A T D L S S S A T D L S S S A T D	LYSGVVTGI AYSAYAGAL MYSCITGSI TYSVIAAAI	GALKGPL GTLRGPL GSLKGPK GALRGPK	1 G G A N E E 1 G G A N A Q 1 G G A N E V
UniRef90_UPI0004792932 UniRef90_E6Q848 UniRef90_A4WN13	FNASTFTCRV GNNSTFTTSRV GNNSTFTTSRV GNNSTFTTARV PASTFTALV MNASTFTARV PASTFTARV FNASTFTARV GNNSTFTTARV GNNSTFTTARV	T S S A G T D T A S T R A D V A S T L S D	TYSSIAAGI TYAAVTAAL LYSSVVAAI	G S L K G P L A A L K G P L	H G G A N E A
UniRef90_A3MTM3 UniRef90_UPI00047CFB2A UniRef90_UPI00046CEF10 UniRef90_UPI0003B5DC3C	MNASTFTARV MNASTFTARV FNASTFTARG	V A S I L S D V I A A T L S D V V A S T L A D D V A S T K A H	MHSAITGAM MHSAITGAM IYLAVGSGV MYAALSAAL	/ G A L K G P L I / G A L R G P L I / A A L Q G P L I _ G S L S G A L	GANEA GGANEA GGANEQ GGANVR
UniRef90_F7V8L4 UniRef90_L0E156 UniRef90_C7RD64 UniRef90_C0QRJ9	G N N S T F T T R N F N A S T F T A R N G N N S A F A T H N N A S T F T A R N L N A S A F S A R N L N L N A S A F S A R N L N L N L N L N L N L N L N L N L N	/ V T S S G S D / V A G T H S D / V S S S G T D / V V S T I A D	T Y S T A A A M Y S A T G A T T Y S A A A G L F Y S A V S S A M	MASLKGPK GALRGPR ASLKGPK /GSLSGR	-1 G G A N K -1 G G A N E A -1 G G A N L K -1 G G A N F R
UniRef90_UniRef90_W2UZJ1	LNASAFSARV QNASTSTARN	TASTESD NVCSTQAP	L V S A M T S A I	GTMKGPL CSLWGAL	H G G A P S G

UniRef90_B5JVY6 UniRef90_F6FRI3	290 300 310 320 V L H M L E E I G T K D K A E A W I D N A L A N K D V I W G M G H V M E T L A E I G S A D R V P A W L D E A L A A K R K I M G F G H
UniRef90_U1P1A4 UniRef90_Q2L8W5 UniRef90_G0HCU0	V MEFL RRI RDSGRD PVE WVT E YRDAGN R V PGFGH ALMFL RKL RDM QQADQELESI WRHHERV MGFGH VMHNFLEV DDPAKAEKWVLNKADNKEKI MGFGH VTQMMEDL KEKVSDYSDEKAVRQYL KKEFDKKGL I YGMGH
UniRef90_S0IYD1 UniRef90_Q2YAQ2 UniRef90_D3BAD3	A F D II IO I R Y R S P D F A F A D II IR R R IV II N K F II I I I G F G H
UniRef90_A6EHE3 UniRef90_A4BP52 UniRef90_U2XM56 UniRef90_UPI0003749CDD	A MHL IA QYSSPDDAESGI MKMLAKKELI MGFGH AYDIQ SRYGSPEEAEADI HRRLENKEVI I GFGH AMAMLE QWSNPDEAERAI LGMLERKEKVMGFGH VMHVFDEIGD AAAVEAWLDRALAEKRKI MGFGH VVDFHHI KDWTDTQEIDDYFEKMLKKEYDKSGLI YGIGH VMEMLNC ENGVKNWENEGEVADFLKEENDHSGLI YGMGH
UniRef90_D4JWJ5 UniRef90_UPI000361347A UniRef90_A0JV47	VMH MEJK EV GID SEE SEE PAKAK G WILD DKLEH RALL VMG F GH
UniRef90_B6G9F5 UniRef90_G2KRF4 UniRef90_D6D8N1	VVA MHEDLRAHVT NWEDEDELA AYLRQAFDRSGLIYGMGH AMELIE KFDSAEAATAGVKQMMANKDLIMGFGH VADMFQHLKENIKDWTSVDEIDTYYTRMYNKTGLIYGIGH
UniRef90_H1HQ84 UniRef90_D7UYX1 UniRef90_R5GTQ5	V V A M H E D L R A H V T N WE D E D E L A A Y L R Q A F D R S G L I Y G M G H A M E L I E K F D S A E A A T A G V K Q M M A N K D L I M G F G H V A D M F Q H L K E N I K D W T S V D E I D T Y Y T R M Y N K T G L I Y G I G H V V N M F H H L K E Q I K D W K N T D E I D T Y L T R M L N R K G L I Y G I G H V F D M L E D I A E L E N V R S Y I G N K I D N K Q K I M G F G H V D N M V H H L K E T I T N W E D E E E I R T Y L R R M Y D K T G L I Y G I G H V M R M L E E I G K P E R A A D W V L P R L A E K V K I P G F G H
UniRef90_E8RB14 UniRef90_R9PG01 UniRef90_I7LX18 UniRef90_E1V862	VMR ML E E L G K A M A M I E N WT S A E Q A E T E I M A M L A R K D K I M G F G H VMQ Y L E N L R S A M A M I E N WQ S A S A M L S Q W H N P D V A E E E L L K M L S Q K Q L V M G F G H VM H T M L E I C C A C N D D P A R A E E WMT D A L D N K R L V M G F G H
UniRef90_UPI00035E74DF UniRef90_M1P4T2 UniRef90_W0Z948	IV IVI HILLED FILIG SASN IV VIP WILIDDAILIAN K K KILIWIG F G H
UniRef90_K0C3S6 UniRef90_R5L4W5 UniRef90_UPI0003B31508	A MEMIQDWKSPDEAEEKMMEMLK RKEKIMGFGH TTNMMYEIMANVPDSTDESQVKDYLKEAGDGLGLIYGMGH VMHTFNEIGUDKNESREDARAKAWMEAAUAEKRKVMGEGH
UniRef90_UPI000382A3DD UniRef90_G5F673 UniRef90_F8NAS6 UniRef90_B2VA40	A F E T Q K R Y D S P D E A E A D I R R R V A N K E V V I G F G H A G E M E D I A A H V G D WS S D T Q V A D Y L R E A F D G T G L I Y G L G H C I N M F H H L K E A V S N W T S V D E I D T Y L N R M Y D K S G L I Y G L G H V L K M F K E I E S L Q N V K K Y I D E K L E S K K K I P G F G H
UniRef90_C2CF50 UniRef90_UPI000407D6F7 UniRef90_V9H9U7	VISKMILIK DI IRN NIV <mark>C</mark> DILE NILE EIVE SYLIEKILIF DKKGIL IYGILIGH VME AMUELIGD PDRAADWVRAOVDAGNKILMGE GH
UniRef90_T1DVT0 UniRef90_D5U739 UniRef90_U2J1Q7	AYDIQKRYRN ADEAEADI LERI ARKEIVIGFGH AMHLIE SFASVDSAIAGVNKKLENKELLMGFGH VMDMFIHLKDAIDNWEDKNEIDDYLTKMYDKSGLIYGMGH AYEIQT RYANPDEAEADI RQRLANKEVIIGFGH VVRMLERIKTIGAVPEF IAMVKDRKEKLMGFGH
UniRef90_V4ZGD0 UniRef90_W3WN71 UniRef90_A2SHT2 UniRef90_UPI0001745917	V V R ML E RI K T L G A V P E F L A M V K D R K E K L M G F G H AI R M L I E I G S P D K V P D F M A Q V E R R E R V L V G F G H C L N M L E D I Q K M G G V A K V G K F I E Q V K D K N S G V R L M G F G H V I H M L E E I G G V D K V D S W V E D A L A Q K K K I M G I G H V I S M L E E L G T K E R A E P W L R E K L E A G E K L M G F G H
UniRef90_W4D5G1 UniRef90_H2FUP1 UniRef90_W5YG43	A M A M L IA Q W S H P D D A E A A L L IA M L IA R K E K V M G F G H A L D L O O R Y R T P D E A E A D L R R R L IA E R E V V L IG E G H
UniRef90_J9HKR1 UniRef90_S6B7Z8 UniRef90_L7KI96	ALEIQQRYQT PDEAESDIKKRLATKEVVIGFGH VFDMLKEIKAEGDTNAY LDRKLASHEKIMGFGH VMYDMIEL DRPERARGWLERKLANKDKVMGFGH
UniRef90_B4CZ08 UniRef90_F2I1N8 UniRef90_I3RCK0 UniRef90_A4WJP6	VI H MIL QE I GS
UniRef90_J3Q338 UniRef90_F9RQ79 UniRef90_R6M047	ALEIQQRYQT PDEAESDIKKRLATKEVVIGFGH VFDMLKEIKAEGDTNAY UDRKLASHEKIMGFGH VMYDMIEI DRPERARGWLERKLANKDKVMGFGH VAHMLQEIGSL DKVDAWIEEALAQKKKIMGIGH VAHMLNEVGS ADKAEEFILNKIKNKELIMGFGH ALKQFMEIGS PEKVEEWFFNALKEKRKIMGAGH AAKMIEEIGD AKKVERWVDEQLAKGRRIPGFGH VIRMLMRIGS PAAVPNFIERVKQKKEVLSGFGH AMAMIENWQT PDEAEKNILRMLANKDKIMGFGH VMEMLHYVRENDDGSVTDYLNRLLDREAGDHSGKLYGLGH VMEMLHYVRENDDGSVTDYLNRLLDREAGDHSGKLYGLGH VMKNFLEV DDPAKAEEWTKNKLANKDLVMGFGH
UniRef90_U7LLY6 UniRef90_M4R626 UniRef90_UPI00035FE086	VMKNFLEV DDPAKAEEWTKNKLANKDLVMGFGH CIKMLQEIGTVDRIPEFLARA KDKNDPFRLMGFGH VTKMLNELGS KERAENWLRTKLEKGEKLMGFGH
UniRef90_E1R4A9 UniRef90_B7VND1 UniRef90_G1XDH6	VREMIEDFKANVGDWKDEEELSTYLEKLYDKSGLVYGMGH AMEMIQDWQT ADEAEANIMNMLANKDKIMGFGH VIRMLQGIGS VDKVPAFIEGVKNRKQLLFGFGH
UniRef90_UPI0004638CF6 UniRef90_UPI00041750CC UniRef90_UPI00036637FB UniRef90_T0K2J0	VINTERIOR SERVICION SERVICIONES SERVICIONE
UniRef90_UPI0003644256 UniRef90_UPI000370F58B UniRef90_U2RKG8	V M H T F E E I S A A G V D P S E W L A D A L A Q K K K I M G F G H V M H M L N E I G D P D R A E E W L D G A L A A R R K I M G F G H V T K M V E D L K K N T N P Y D E V K L K E Y F Q K E V F D K K G R I Y G M G H
UniRef90_G4E2L5 UniRef90_A6GNA2 UniRef90_E0I7W6	A C E QL RYSSADEAEADIRRRVEAKEI I I GFGH CLNMLTEI QANGGVEKIGDFIAKVKDK DSGVRLMGFGH VMTMLNGIGS KENAEQWMREHLEKGNRLMGFGH
UniRef90_Q1IY63 UniRef90_W5XAK2 UniRef90_U1WNM0 UniRef90_A8ERH8	AIR MILEI GE PENAQAWI DDALATKKI MGFGH VSRMI DDI AQNVN H WDDEDELASYL TRIFDGSGL I YGLGH AFRI QERYKS ADEAEADIR ARMARKFI I IGFGH
UniRef90_R6QRN5 UniRef90_UPI0004792932 UniRef90_E6Q848	A M A M I E N W Q T N D D G S V T D E A E K N L R M L A N K D K I M G F G H V M K M F L L D R E A G D H S G K L Y G G G G H V M K M F L L D R E A G D H S G K L Y G G G G H V M K M F L L D R E A G D H S G K L Y G G G H V M K M F L L D R E A G D H S G K L Y G G G H V M K M F L E K G E K L M G F G H V M K M L Q E I G T V D R P E F L A R A E W K N K N L K N D P F R L M G F G H V T K M L N E I G S W D D P A K A E E W T K N K L E K G E K L M G F G H V T K M L N E I G S W D A D E A E A N I M M M L A N K D K I M G F G H V T K M L N E I G S W D A D E A E A N I M M M L A N K D K I M G F G H V M A M K M L N E I G S W D A D E A E A N I M M M L A N K D K I M G F G H V M H A M L A I G R P E L A R E W L R D K L S R K E K V M G F G H V M H A M L A I G R P E L A R E E V M R C G L L E R G E R L M G F G G H V M H M L I G R F G H V M H M L N E I G D K K K R C G E K L M G F G H V M H M L N E I G D N A G V D P D R A E E E V F Q K E R I M G F G G H V M H M L N E I G D N A G V D P D R A E E E W L D G A L A A R R K K I M G F G G H V M H M L N E I G D N A G V D P D R A E E W L D A A L A A R R K K I M G F G G H V M H M L N E I G D N A D E D E L A K V K K C E K K I M G G F G H V M H M L N E I G D N A D E D E L A K V K C D K C G G F G H V M M G F G H V M H M L N E I G D N A D E D E L A A S Y L L R K K K K K I M G F G H V M H M L N E I G D N A D E D E L A A S Y L L R K K K K I M G G F G H V M M L N E I G D N A D E D E L A A S Y L L R K K K K I M G G F G H V M M L N E I G D N S K A K E L V E A A T K P P G G G G F K L M G G
UniRef90_A4WN13 UniRef90_A3MTM3 UniRef90_UPI00047CFB2A	A V R N Y L E I G D P S K A K E L V E A A T K P G G P K L M G V G H A V K S Y L Q I G D P S K A K E V V E A A T K P G G P K L M G V G H V M K T L T S I D G D V D D V D A F V R A E L D A G R K I M G F G H
UniRef90_UPI00046CEF10 UniRef90_UPI0003B5DC3C UniRef90_F7V8L4 UniRef90_L0E156	V I G WI G K K L A A K D R I M G F G H V M K M L K E I N S P D K I D D Y I Q K T L E S G G L I M G L G H V M E M M S D L R S H V S R F D D K E E V A A Y L N R I F D G K G L V Y G L G H A C A I Q L R Y R S A D A A F A D I R E R I V A R K F I I I F G F G H
UniRef90_C7RD64 UniRef90_C0QRJ9 UniRef90_J8TKX6	VSKMLKDIRENVDDLDDRSKIKAYLEKIFDKKGLIVGLGH VYYMLNELKH INDIEGYVDQKLSRKERIMGFGH VLDLLDEI SVKERADKVIREKLTKGEKLMGFGH
UniRef90_W2UZJ1	V LH MI E R L V M S G K S F D D V L Q N L K D P G F R L M G F G H

UniRef90_B5JVY6 UniRef90_F6FRI3 UniRef90_U1P1A4 UniRef90_Q2L8W5 UniRef90_G0HCU0	330 EYAVKDPRAKILEKMLREYGEEKGSVSPLFE VYKHGDSRVPTMKAALDTLVEH YGRRE VYNVTDPRAGILQERLEAIVENGGDDTWLEY LYKEGDPRSHIMMKVALDLAQNAPKKDPNLY VYKRGDSRVPSMEAAMRRTAANHDG	OLADLYGAL (TSALRGSI
UniRef90_S0IYD1 UniRef90_Q2YAQ2 UniRef90_D3BAD3 UniRef90_A6EHE3	Y Y D N D P R A A I F K R Y V S K L A E E K G E Y N L Y T L V Y T A G D P R N R V I R E V A R K L S A E A G D M V Y R N G D P R N P I I K E W S K R L A N E Q G G N M L V Y T I S D P R N I V I K K V A G H L S E E A G D M M L Y I	\(\frac{\text{WV}}{\text{D}}\text{ M Y E N M} \\ \frac{\text{V}}{\text{D}}\text{R V A P E I} \\ \text{QMF N V A E R L} \\ \text{C L F E L S E R V} \\ \text{F I A D R L E S L} \\ \text{R L Y P I S E R V}
UniRef90_A4BP52 UniRef90_U2XM56 UniRef90_UPI0003749CDD UniRef90_D4JWJ5 UniRef90_D4JWJ5 UniRef90_A0_N477	LYKEGDPRSHIMMKVALDLAQNAPKKDPNLYYKRGDSRVPSMEAAMRRTAANHDG QF YYKRGDSRVPSMEAAMRRTAANHDG QF YYSDNDPRAAIFKRYVSKLAEEKGEYNLYTL YYTAGDPRNRVIREVARKLSAEAGDM VYRNGDPRNRVIREWSKRLANEQGG NMF VYTISDPRNIVIKKVAGHLSEEVGD SF VYTISDPRNIVIKKVAGHLSEEVGD SF VYTISDPRAVILKAWSRKLAEEVGD SF VYTISDPRAVILKAWSRKLAEEVGD SF VYTLSDPRAVILKAWSRKLAEEFAFRLLDT VYRSGDSRVPTMSKYRDIVAARLGG EF VYTLSDPRAVILKASALKLTEVEAEFRLLDT VYRSGDSRVPTMSKYRDIVAARLGG EF VYTLSDPRAVLLKKSALKLTEVEAEFRLLDT VYTSDPRAVLLKAALDKMIAHYGRPELLC VYTLSDPRAVLLKELARDLAREKGRESEFAF VYTLSDPRAVLLKELARDLAREKGRESEFAF	VAELYDAG LELLEDRG LERLTPQL WVELSRLL
UniRef90_A0JV47 UniRef90_B6G9F5 UniRef90_G2KRF4 UniRef90_D6D8N1 UniRef90_H1HQ84	V Y K H G D S R V P T M	GL Y N GL E S A R I E K L A P QV / L Y P V S E A I F L E L L E E R A L E E E S I K C V
UniRef90_D7UYX1 UniRef90_R5GTQ5 UniRef90_E8RB14 UniRef90_R9PG01 UniRef90_I7LX18	V Y R N G D P R A K Y L Q E M S Q K V T A E S G E E K V Y T L S D P R A V L L K K L A R D L K G R D R E F A F M E F V Y R C E D P R A T I L R K E V N K I T A L T G E T I Y R T S D P R N A L I K A W S K K L S E A T G D Q H V Y K N G D P R S D I I K E Y S K L L A E K Q P K F G K K [C W Y L I S K E V R L E K C A I E T Q L Y E T A Q A V L Y A V S E R V L Y Q I S E H I
UniRef90_E1V862 UniRef90_UP100035E74DF UniRef90_M1P4T2 UniRef90_W0Z948 UniRef90_K0C3S6	YYRESDPRNAITKHWSSRLAEDVGDTV YYTESDPRNEVLKQWSKKLSIEVNDKH VYKSGDSRVPTMEAELRSLAERHDG GF VYKKGDSRVPTMKTALDTLIEH YDAAE	L Y P V S E R V L Y D V S E R V C WV E M Y D I M D L G S L Y D V L L Y P V S V R C
UniRef90_R5L4W5 UniRef90_UPI0003B31508 UniRef90_UPI000382A3DD UniRef90_G5F673 UniRef90_F8NAS6	V Y T I S D P R A V I L K N S A R E L A G Y E K E F K I L E I V Y K S G D S R V P S M K E A L D K M I E Y Y D R G E I L I V Y T I A D P R N K V I K E V A R R L S I D A R D T V Y T V S D P R A E V V R E Q A R K L A E E K G E L D K L E F V Y T M S D P R A V E L K R L A G E L A K E K G R L K E Y E F	VERVIPDE SLYDGLEKL MFAIADRL VERLGPEL
UniRef90_B2VA40 UniRef90_C2CF50 UniRef90_UPI000407D6F7 UniRef90_V9H9U7 UniRef90_T1DVT0	Y K	J A Q E V E K Y J Y E K E Q K K J Y D A M A E A M L F D A B E R L E V S E A I E N L
UniRef90_D5U739 UniRef90_U2J1Q7 UniRef90_V4ZGD0 UniRef90_W3WN71 UniRef90_W3WN71	V Y T L S D P R A V L L K K L A R D L K G R D R E F A F M E F V Y R C E D P R A T I L R K E V N K I T A L T G E T V Y K T S D P R N A I I K E V S K L L A E K Q P K F G K K L V Y K N G D P R S D I I K E Y S K L L A E D V G D T V V Y T E S D P R N A I I K H W S S R L A E D V G D T V V Y T E S D P R N A I I K H W S S R L A E R H D G V Y K S G D S R V P T M E A E L R S L A E R H D G V Y K S G D S R V P T M K T A L D T L I E H V Y T V S D P R N A V I K K W S E K L A A D V G D T T V Y T I S D P R A V I L K N S A R E L A G Y E K E F K T L E N V Y K S G D S R V P S M K E A L D K M I E Y V Y T I S D P R A V I L K N S A R E L A G Y E K E F K T L E N V Y T I S D P R A V I K E V A R R L A E E K G R L K E Y E F V Y T T S D P R A V E L K R L A G E L A K E K G R L K E Y E F V Y T T S D P R A V E L K R L A G E L A K E K G R L K E Y E F V Y T L S D P R A V L L K E K A K E L K K R D K D F E T W V Y T L S D P R A V L L K E S M R R L A E E A G D M H V Y T L S D P R A V L L K E K A K E L K K R S H G G D T L L F E V Y T L S D P R A V L L K E V A R Q L S E E A D D M H V Y T L S D P R A V L L K E V A R Q L S E E A G D M D P L F K L A V Y T L S D P R A V L L K E V A R Q L S E E A G D M D P L F K L A V Y T L S D P R A V L L K E V A R Q L S E E A G D M D P L F K L A V Y T L S D P R A V L L K E W A R E L V F K V T G R N Q L L D T V Y K N Y D P R A A L L K C M A L L K E V A R Q L S E E A G D M R L V P V Y T L S D P R A V L L K E M A I L K S R R N G S M R L V P V Y T L S D P R A P H L K E M A I L K L S R R N D L F K V Y T T K D P R A A L L K D V A R T L S R R N D L V Y T T K D P R A A L L K D V A R T L S R R N D L V Y T T K D P R A P H L K E M A E L T K G T E E V Y T T A D P R N P L L K S L A K S L S A E N N D L V Y T T A D P R R S D L L K S L A K S L S B E H L G E D V Y T T A D P R N S D L L K S L A K S L S B E H L G E D	RELERVAM - ALALAEAQ
UniRef90_UPI0001745917 UniRef90_W4D5G1 UniRef90_H2FUP1 UniRef90_W5YG43 UniRef90_J9HKR1	V Y K V L D P R A P H L K E M A I K L S N Q L G E P	W
UniRef90_S6B7Z8 UniRef90_L7KI96 UniRef90_B4CZ08 UniRef90_F2I1N8 UniRef90_I3RCK0 UniRef90_A4WJP6	V Y K V L D P R A P H L K A M A I K L S E E L G D A F	(WI QMSERI
UniRef90_J3Q338 UniRef90_F9RQ79 UniRef90_R6M047 UniRef90_U7LLY6 UniRef90_M4R626	V Y R D G D S R V P T M T E Y Y Y K T A E F Y Q N K E G D K R L Y A K M L G D K R L Y A K M L G D K R L Y A K M L Y A K K G L A A E R G D F R W V E K T S D P R S F I I K K T A D E V F A R D K M L D T A I A Y Y K T S D P R S F I I K K T A D E V F A R D K M L D T A I A Y Y K T S D P R N A L I K R W A K E L S R A V G D T H V Y T M S D P R A V M L K K Y A R S M A E K K G F T A D F E L Y Y K N G D S R V P T M E A A F K E L A E Q H D Q T K W I E V Y K N Y D P R A K V M R E T C H E V L K E L G V N T P L L E V Y K N Y D P R A K V M R E T C H E V L K E L G V N T P L L E V Y K T K D P R A I A L K H I L L E N M H G D P W L S L A L L Y K T K D P R A I A L K E K A R L L A Q E K E E F E L Y H N Y R E S D P R N A L I K R W S K E L A Q E V G D E C V Y K N T D P R S K I L R E V A D T V F E I A K E P L I E V A V Y R S G D S R V P T M K A A L E Q V A E V T D G G D W L R N Y K T R D P R A D A L R E V T A G L A G D D P W L D L A Q F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K Y L R P L A K E L A D W R Q D S F V Y K K G D P R V K Y L R P L A K E L A D W R Q D S F V Y K Y L R P L A K E L A D W R Q D S F V Y K Y L R P	L H E H A M K D L Y A V S E R V L E K I E T L G M Y D I M A K T
UniRef90_UPI00035FE086 UniRef90_E1R4A9 UniRef90_B7VND1 UniRef90_G1XDH6 UniRef90_UPI0004638CF6	YKTKDPRAITALKHILLENMHGDPWLSLALF VYTYSDPRAVLLKEKARILAQEKEEFELYHN YRESDPRNALIKRWSKELAQEVGD EC IYKNTDPRSKILREVADTVFETAKEPLIEVA VYRSGDSRVPTMKAALEQVAEVTDGGDWLRN	IVEETALRU ALERUSPAV ALAUSERV ALAUSEAAM
UniRef90_UPI00041750CC UniRef90_UPI00036637FB UniRef90_TOK2J0 UniRef90_UPI0003644256 UniRef90_UPI000370F58B	V	EILIY T GILIE E A RII A TII <mark>H</mark> A A II
UniRef90_U2RKG8 UniRef90_G4E2L5 UniRef90_A6GNA2 UniRef90_E0I7W6 UniRef90_Q1IY63	V Y T	IFSLIREIG DVADRLEAV AMALEKIAI
UniRef90_W5XAK2 UniRef90_U1WNM0 UniRef90_A8ERH8 UniRef90_R6QRN5 UniRef90_UPl0004792932	V	MYDVAERI
UniRef90_E6Q848 UniRef90_A4WN13 UniRef90_A3MTM3 UniRef90_UPl00047CFB2A UniRef90_UPl00046CEF10	Y TI S D P R A V L L K E MA R D L K G R E K E F N F M S L E Y R V R D P R A R H L E I K A K E L S E Y R G D S R W Y E A V Y K A Y D P R A R I F K E F S R D Y V A K D P K N L F A V A V Y K A Y D P R A K L F R E F S Q E Y V K K F G D P Q K L Y A V Y K T E D P R A T H L R K M S E E L V Y K A Y D P R A R V L G P L A E A L A R G K P D V E P L F F	ALEEASNKV ASALEHEVL ALAEALERE RYYEFSRRM RVAQQLEAE
UniRef90_UPI0003B5DC3C UniRef90_F7V8L4 UniRef90_L0E156 UniRef90_C7RD64 UniRef90_C0QRJ9	VYQTDDPRAIVLAPMSKRMGEIAGQPQWYEFVYTLSDPRERVFKSYVEQLVE EKGRQEDFAVYTIGDPRNAVIKAVARRLSEARGLNSVYTLSDPRAILLKKKARELSIIKEEDFHFIEVYKTYDPRAKIIKEMLDQILSLK GNNELVF	RELEVKAKK ALYQNIEEL MYSVADRI ENVEKIGKD RIATELEKI
UniRef90_J8TKX6 UniRef90_W2UZJ1	V Y K T <mark>H</mark> D P R S <u>V A</u> L K E K L Q Q S Q G Q D A S L D L A V <mark>F</mark> V Y K N Y D P R A K V <u>L</u> K D L <mark>C</mark> D K L S N S E T <u>L L M</u> F D M <i>A</i>	IVEQVAVRL ATKLESHAL

UniRef90_B5JVY6 UniRef90_F6FRI3 UniRef90_D1P1A4	370 CEARLGAKGVYPNVDFYSGLLYQEL GIPVDLFTPIFAVS ESEFVERKGIYPNLDYPSGPAYH LMGFDTATFTPLFVAA EQEGLSEEGIAPNVDFYSGAVYDHL GIPDDLYTPIFAMA RME KEKHLPANVDFPCALAYHQ CGIPTDLYTPLFVLA
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UniRef90_A6EHE3 UniRef90_A4BP52 UniRef90_U2XM56 UniRef90_UPI0003749CDD	- F K F F G K K G Y P N D Y P S G P A Y N
UniRef90_D4JWJ5 UniRef90_UPI000361347A UniRef90_A0JV47 UniRef90_B6G9F5	ILTFERVKNNSSNVDFYSGFIYE MIGLPVETYTSLFAMA FAKNKGDIKMCANVDMYSGLVYK AEEMLAKKNIHPNLDFPAGPTYY LMGFDLPMFTPLFVAS MDEAKGIK PNLDYPTGPTYH LMGFDTATFTPLFVAS MADVRGTTKPCANIDLYTGFLYRMLGIPDT MFTPLFVAS FKLMWDFKHUFPNLDFYSASSYHFM GVPTPMFTPLFVMS
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UniRef90_R5GTQ5 UniRef90_E8RB14 UniRef90_R9PG01 UniRef90_I7LX18	EQVVWELKHLHPNVDFYSASLYHALLGIDHDLFTLVFSVS VYELKGRKKTCANVDFYSGFVYE LIGLPPAIYTPLFAMA EELMLANSKVFANVDFYSAPLYHAM GIPVELFTPIFAVS EAVMWREKELFCNADFFHASAYHFMNIPT KLFTPIFVCS ETRVVNEKKKFPNLDFYSASTYHQ CGIPTELFTPIFVCS EEVMWREKKLFCNADFFHASAYHFMDIPT KLFTPIFVCS
UniRef90_E1V862 UniRef90_UPI00035E74DF UniRef90_M1P4T2 UniRef90_W0Z948	E A V M R R E K N L F A N A D F Y H A S T Y E F M K L P T P L F V L S A G V M D G R T G I K P N L D F P S G P A Y H L L G F P V E F F T P L F V L A E S E F V S R K G I Y P N L D Y P S G P A Y H L L G F D T L T F T P L F V A A
UniRef90_K0C3S6 UniRef90_R5L4W5 UniRef90_UPl0003B31508 UniRef90_UPl000382A3DD	LHEIKGDDKI CANVDLYSGLCYKVL GIPEDLFTPLFAGS MAFAKDLI PNIDYPAGPTYH IMGEDTDMETPLFIAS
UniRef90_G5F673 UniRef90_F8NAS6 UniRef90_B2VA40 UniRef90_C2CF50	MREVRGILT KPILT NI DLYT GFVYSML GILPKDLYT PILFAMA VKCRKSDKPICANLDFYSGFIYEML GLPQELYT PILFAMA VLEKLSHKGVYPNVDFYSGLVYKYL GFGEDMYT SLFALA MQRQNRAYPPCANVDLYSGFVYDMLDIPE ELYLPMFALA
UniRef90_UPI000407D6F7 UniRef90_V9H9U7 UniRef90_T1DVT0 UniRef90_D5U739	MKE KKPNLPPNADEYSASTYHEM GIPTDYFTPIIFLIS
UniRef90_U2J1Q7 UniRef90_V4ZGD0 UniRef90_W3WN71 UniRef90_A2SHT2 UniRef90_UP10001745917	KDPYFTTRRLYPNVDFYSGLIYKAM GFPLDFFPLLFALP KSEFMRSRNLYPNVDFYSGLIYQAM GFPLDFYPVLFAVP FDDYFVSRKLYPNVDFYSGLIV QAM GFPLDFYPVLFAVP
UniRef90_W4D5G1 UniRef90_H2FUP1 UniRef90_W5YG43 UniRef90_J9HKR1	MAEQKK MEPNLDWFSAVSYSAM GIPTAMFTPVFVIS
UniRef90_S6B7Z8 UniRef90_L7KI96 UniRef90_B4CZ08 UniRef90_F2I1N8	ERYMKHTKHLIPNVDFYSATVYHVL GLDSSIYTLIFAMS EHLMADRTGIRPNLDFPTGPAYH LMGFDIGSFTPIFVMS ATIMKERKGLNANVDFYSATVYYSL GVPTDLFTPIFAIS ENTMLREKKIKPNLDFPAGPAYQ LMGFDIDFFTPIFVVS VQEHLSKKGVSINVDYWSGIVFHAMRIPI ELYTTIFAMG VTAKLAAKGIYPNTDLYAAVIFRYL GLPVDINLPTFAIS
UniRef90_I3RCK0 UniRef90_A4WJP6 UniRef90_J3Q338 UniRef90_F9RQ79	VQEHLSKKGVSINVDYWSGIVFHAMRIPIELYTTIFAMG VTAKLAAKGIYPNTDLYAAVIFRYLGLPVDINLPTFAIS EYFQSRNLYPVIWGFIFWSGLIYRALGFPTDFFPVLFAVP EAVMKREKDLFCNADFFHASAYHFMDIPT KLFTPIFVMS ILRRRSDTPMCANVDLYSGLVYTML GLPELFTPLFASA
UniRef90_R6M047 UniRef90_U7LLY6 UniRef90_M4R626 UniRef90_UPl00035FE086	MEENISI KIKPNLDFPAGPAYHIL GFDIQFFIPIFVMA ADPYFIERKLYPNVDFYSGILQAIGIPTSMFTVIFALA IDQYKPGRKLYTNVFFYAAAIMRAI GMFDMIFTPTFTAS
UniRef90_E1R4A9 UniRef90_B7VND1 UniRef90_G1XDH6 UniRef90_UPI0004638CF6	EAVMKREKGLEON ADFFHASAYHEMDLET KLETPIFVMS
UniRef90_UPI00041750CC UniRef90_UPI00036637FB UniRef90_T0K2J0 UniRef90_UPI0003644256 UniRef90_UPI000370F58B	E E V M W R E R Q I P P N I D F W L G P L Y Y G I G L D I P L Y T P L F A L G E T L V Q D R K A L M P N V D F Y S A L V Y T S L G L P R D L F T L I F A L S MA E A K D L K P N L D Y P A G L V Y H L M G F D T P T F T P L F V A A
UniRef90_U2RKG8 UniRef90_G4E2L5 UniRef90_A6GNA2 UniRef90_E0I7W6	KELKGKNFELCANVDLYSGFVYKLLNIPQ NIFTPLFALS MWEQKK MFPNLDWFSAVSYH MMGVPTAMFTPLFVIA EDEYFVKRKLYPNVDFYSGLVQKAIGIPVPLFTALFALAR LEEYKPGRRLYTNVEFFAAAVLRSVEMPST LFTPTFTSS
UniRef90_Q1IY63 UniRef90_W5XAK2 UniRef90_U1WNM0 UniRef90_A8ERH8	VVDRMGAKGI YPNVDFYSGTVYSDL GIKKEFFTPIFALA MAERK NIFPNVDFPASYAYY LLGLPIDLYTPIFVAS MKEVRGTDKI CANIDLYSGFVYSML GVPEELYTPIFALA ETVMWNEKKMFPNLDWFSAVSYNQM GIPTDMFTPIFIIA
UniRef90_R6QRN5 UniRef90_UPl0004792932 UniRef90_E6Q848 UniRef90_A4WN13	LKETKPDKŠI YANVDFYTAPLLADL GMPGDEFT <mark>O</mark> MFA <mark>C</mark> G NNPYFOORKI YPNVDFWSGIAFYYM GVPYFYFTPLFAVS
UniRef90_A3MTM3 UniRef90_UPI00047CFB2A UniRef90_UPI00046CEF10 UniRef90_UPI0003B5DC3C	EQVVLDAKGLYPNVDFWSGLAFYYM GVPYEYFIPIFAAS EQVVLDAKGLYPNVDFFAASVYHAL GIPTDLFTPVFAIS
UniRef90_F7V8L4 UniRef90_L0E156 UniRef90_C7RD64 UniRef90_C0QRJ9	AFMDKKQRQIYCNVDFYSASLFHAM GIATDLFTPLFAIS APERKLPKKVCPNVDFYSGFVYDML GIPQELYTAIFAIA ESVMWDLKKMFPNLDWFSAVAYHML GIPTALFTPLFVIA LISQRRPYPPCANVDLYSGFVYDMLKIPE ELYLPMFAIA VLDRLKGKKIYPNIDFYSGILYS LLGIPVEFYTPVFAMA LEEFKPGRALYTNVEFYAAAIMKSIQLDV ELFTPTFTAS
UniRef90_J8TKX6 UniRef90_W2UZJ1	QDEYFKKRSLYPNVDFYSGLI LKGI GVPVDMFTTLFVMG

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UniRef90_U1P1A4 UniRef90_Q2L8W5	RAGĠWIAHTLEYQA DNRLIRPRAKYTG RTAGWTAHIMEQRA NNRLIRPVSHYVGPPVRPFPS
UniRef90_G0HCU0	RVVGWTAHI AEQNE NNALLIRPLSAYNGEAQRSVEA
UniRef90_S0IYD1	R I V I G W S A H R I I E E L I N A Q K I M R P A Y
UniRef90_Q2YAQ2 UniRef90_D3BAD3	RTTGWASHIIIFORS DNKIIIRPSAIIYTGPFSRYVPIIK
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UniRef90_A4BP52 UniRef90_U2XM56	RITĠW <mark>C</mark> AHVMEQRQ NPRIIRPŠATYTĠPGPR
UniRef90_UPI0003749CDD	RVVGWTAHIMEQYAANA LIRPISAYDGPAERHVD RIVGWCAHRNEELNQGKRIIRPAYRSIFDEVSYVP RMPGWCAHRMEEIENGKRIMRPAYRTLIKNRDYI
UniRef90_D4JWJ5	R M P G W C A H R M E E I E N G K R I M R P A Y R T L I K N R D Y I B D L C W S A H W L E O I A D N B I L B D L S H Y W C W A O B E I B
UniRef90_UPI000361347A UniRef90_A0JV47	RITGWSAHVLEQIA DNRLIRPLSHYVGVAQRELP RITGWTAHIMEQLESNS LIRPLSEYNGVEERH
UniRef90_B6G9F5	RTAGWAAHRMEELI <mark>C</mark> AHRIIRPAYRS <u>VL</u> ESGDY <u>V</u> PRVSGWAAHIMEQRA NNKLIRPSADY <u>TG</u> PT <u>T</u> RNF
UniRef90_G2KRF4 UniRef90_D6D8N1	RIVGWCAHRNEEUTDGKRIIRPAYKNVIDDUAYUPUK
UniRef90_H1HQ84	RIVGWCAHRNEELTDGKRIIRPAYKNVLDDLAYIPIK RIVGWTAHRIEELNDGRRIIRPAYKTI
UniRef90_D7UYX1 UniRef90_R5GTQ5	RVSGWLAHIYEQYR DNRLIRPRAIYVGPENR RIVGW <mark>C</mark> AH <u>RN</u> EELNEGKRIIRPAYRSVSEE <mark>C</mark> TYVP
UniRef90_E8RB14	R V V G WT A H I L E Q WK N N R L I R P T A H Y T G P
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UniRef90_F1V862	R V TGW <mark>C</mark> AH V FEQRE NNR II RPSADYTGPEK
UniRef90_UPI00035E74DF	RILIT G WCAHILIF E QR HNNRILLIRPNADYILIG PILLIQKIVI
UniRef90_M1P4T2 UniRef90_W0Z948	RVTGWTAHIVEQYE NNSLIRPLSAYNGAEQRSVPAKRVTGWTAHIMEQTASNA LIRPLSAYNGPDERHIE
UniRef90_K0C3S6	RIVIT G WT A HII IM E Q R S N N R II I IR P N A D Y IV IG P D P R P IV IP
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UniRef90_B2VA40	RIVIS G WILLA H WKE YILLI D N KILLIR PLEILIYILIGELIKKYN D R K
UniRef90_C2CF50	R TIVIG WS A H RILIE OILIE - D S KILLIR P A Y K SILIN OIVIK D Y ILIP
UniRef90_UPI000407D6F7 UniRef90 V9H9U7	RIIGWSAHVIEGRKDG KIIIRPSANYIGPE
UniRef90_T1DVT0	R V SGWCAH I KEQRA NNK LI RPSSTY I GPEPREF
UniRef90_D5U739 UniRef90_U2J1Q7	RIVGW <mark>C</mark> AHRIEELNFDDRIIRPAYKNVIEPQEFI RLTGWSAHVFEQ <u>R</u> QDG KILRPSA <u>N</u> YVGPE <u>N</u> RAF
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UniRef90_F2I1N8 UniRef90_I3RCK0	RILIGWUA HILMEQLISSN KILI RPILISKY A GSPHRKI N RILAGWTA HILAFYI SHN RILIRPRI QYVIGFVKKYVP
UniRef90_A4WJP6	RAAGWIVIAHIV LIEYRQAN RILI IRPIEKYIVIGPII LIKYII IP
UniRef90_J3Q338 UniRef90_F9RQ79	RVVGWLAHWMQHQQGGVKIWRPRQVYVGAAKRD
UniRef90_R6M047	RLTGWAAHIYEQRE NNRI IRPSADYTGP RISGWCANRIEELLTGKRIMRPAYRAVTIRGEYVP RITGWTAHIVEQNE NNSLIRPLSAYAGEDQRSVPPK RTVGWIANWREMYEESLKIVRPRQIYTGHKERHIE RVVGWTAHAIEQ AKHNTIFRPDAEYTGEFP
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UniRef90_UPI00036637FB	RTVGWIANWREMYEESLKIVRPRQIYTGHKERHIE RVVGWTAHAIEQ AKHNTIFRPDAEYTGEFP RIAGWCAHRIEEIINGGRIMRPAYKHIRTVQR RLTGWTAHVFEQRENNRIIRPSADYTGPEHQD RVAGWIAHWKQQIDSGNKIARPRQLYIGEKRRD RITGWTAHIEQ SQSNALIRPLSAYHGVPQRPVGA RIVGWTAHALEQSANNRIYRPQSVYSGPWPED RVVGWIAHYIEQQQDNRIMRPKAEYVGPLNLKFP RTSGWLAHILEQNNQLLRPRAKYIGKKE RTTGWTAHIMEQ AGANSLIRPLSAYNGSDERH RITGWTAHIMEQ AGANSLIRPLSAYNGSDERH RITGWTAHISEQLEHNALIRPLSAYNGSDERH RITGWTAHISEQLEHNALIRPLSAYNGSDERH RITGWTAHISEQLEHNALIRPLSAYNGSDERH RTTGWTAHISEQLEHNALIRPLSAYNGSDERH RTTGWVAHVIEQRQDGKLIRPAYK RTTGWVAHVIEQRQDGKLIRPSANYLGPENR TVG WVAHVIEQRQDGKLIRPSANYLGPENR TVG WVAHVIEQRQDGKLIRPSANYLGPENR RTGWVAHRLEURRDGVYNGPDQRAVP RISGWCASVIEYTR DNRLLRPDALYTGQ RVAGYCAHALEQL DHNRLIRPDALYTGQ RVAGYCAHALEQL DHNRLIRPAY
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UniRef90_U2RKG8	RLASWNAHRMEQLLVDKKLIRPAYK
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UniRef90_E0I7W6	RL VG WT A HILLE Q S Q N N RILY R P Q S E Y VG E M P
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UniRef90_C7RD64 UniRef90_C0QRJ9	RI AGWSAHI LEQLG DNRLIRPQATYEGPP RVVGWVAHI LE YWENNRIFRPRACYAGP RVYGWVAHI LE YWENNRIFRPRACYMGP RMSGWTAHVIEQHE DNRLIRPDSDYTGPDQRWVE RVAGWTARVLEYL HNNRIFRPRAIYVGEFHKEFPS RTSGWAAHVIEEQAPKPSLYRPGADYVGEY RIVGWSAHRLEELICTDKIIRPAYMSV RTTGWVAHVIEQREDG KIIRPAYMSV RTTGWVAHVIEQREDG KIIRPAYKSLNDRRDYLP RISGWIAHCKEYIR ENKLFRPTQIYDG
UniRef90_J8TKX6	RISGWIAHCKEYIR ENKLFRPTQIYDG RIVGWTTHVLEQ AEFNTIYRPQAEYIGRLDR RVVGWLSQIKEMEDSDTKLYRPRQVYQGE
UniRef90_W2UZJ1	KIV VIG WILIS QII IK E M E D S D I KILIY R P R QIVIY Q G E



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UniRef90_B9L3Y9 UniRef90_K5YKH4	R GLE GV VA GTTRLSID GTLAYVGIDIDELAAN A GNTALCTVGRTGNDLHYR GYDILDFA EA A E F
UniRef90_F7XK67 UniRef90_T0N5F2	RKKGILIE DIV I IAIVIE TKII IA YII ID GII IKGII LIYRGII INIVIA DILIMD
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UniRef90_L8IDC4 UniRef90_V8C965	Y <u>D P G </u> Y G S <u>T</u> A G <mark>C</mark> T S T L S Y V N G <u>K</u> D G L L Y R G Q A L Q D L <u>V</u>
UniRef90_UPI0003808309 UniRef90_UPI0003B6B10E	DVKINRGIKGIYFERSGVSHIDGLLYRGYSIHDLATQ AGNTAVCTVGRTGNDLHYRGYDILEFAEQAEF GLRGQAGETSICTVGKSGTGLTYRGYDIKELADSAQ
UniRef90_F4DAG5 UniRef90_UPI000370AF44	GILIK GIV V VIT T T EILIG DIVIR G T E G E H V R O V S AILIEILIA R T R
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Unire(90 UP1000375C64A Unire(90 UP10004241BBE Unire(90 UP10004256BCB)	UniRef90_D8UMX3 UniRef90_K7ITZ0	V L K M L R Q I Q A D G I K P E D Y M E K V K N K E D G V R L M G F G H Y M D F I V O I Q N A V G R F P K N D I L R N F V S T I L D K R F Q I A G H
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UniRef90_UPI000370AF44 UniRef90_I3TNB4	A V Y R T E D P R A V M L A E I A G E L A E H A D L V E F A A A V H R R V T G I P V Y T L A D P R N A V A K Q V A R R L T E E G G D M R L Y R L A E R I
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UniRef90_UPI0003671787 UniRef90_UPI0004560C00	A V Y R T E D P R S R M L R E F A E G F G G P R V E F A V Q V E R R V Q E L A V Y R T S D P R S E M L R D I A L S L G G P L V D F A V Q V E K E V V A V R V Y R N V D P R S T A I R K I C D D L K V T G K S P L L E T A L T L A D L A S A I Y R T E D P R S R M L R E V A Q R F G G P R V D F A V E V E R H V E A L R I Y K L H D P R T D V A A K F V A K L K D G E F W M K V L K K A E E
UniRef90_B5I2E8	AIYRTEDPRSRMLREVAQREGGPRVDF AVEVERHVEAL
UniRef90_Q9YB84 UniRef90_A9AWL9	- RIVIY KIVIR D P R A FIV I IA G A A D (JII IF A N D FII IY FII VIR HIVIF (J I AII IRII
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UniRef90_V4JT64 UniRef90_L8DAN1	RIYKIHDPRTDVAKKFILQ FKDGEMWVKVLAKA
UniRef90_UPI000258F1EA	PVYRTDDPRSVMLRETAQEMG GELIDKAVQVEKVIIAAAAEF CDSRYLAMLNYVKESMPDNPDIKLSQAISRILD TPVYRTEDPRSRMLRSIAQE FGGPLVDFAMEVERQVEAV
UniRef90_G2NQY5 UniRef90_I0XUB9	PVYRTEDPRSRMLRSI A QE FGGPL V DFA MEVER QVEA V DAYKVKSKRSTI A QKLFI DFYKQKKLDPI A EVALQVD DFV RIYKTHDPRVRI CKNLVLELFEMGKDHIGDI ALIALEAKALL RVYRSYDPRAKI LRTLAQQVLREASTEGRTAAQTLEKRALL AVYRTEDPRSLLLREVAQGLGGPTVDAAI GAEQA IVDA RVYRVPDPRYRHIKEVLEDLTEIEDDPLLKVAFELDRVAR AVYRTLDPRSELLREI AVGLGGDTVE RAVAIENTVVET RVYRVRDPRAAVLSAAAKSFYEDTEFFDTVQTFEDVAVEL RVYRVRDPRARILIRDAARFIDAARFIDAARFILDAARTIKI
UniRef90_F4P469 UniRef90_M1V9U2	R Y
UniRef90_H5TTW2 UniRef90_R1GAQ5	A V Y R T E D P R S L L L R E V A Q G L G G P T V D A A I G A E Q A L V D A R V Y R V P D P R Y R H I K E V L E D L T E I E D D P L L K V A F E L D R V A R
UniRef90_UPI00036A4A7D UniRef90_M0IQ21	AVYRTLDPRSELLRELAVGLGGDTVE RAVALENTVVET
UniRef90_UPI0003705279	RVYRAEDPRARVLRAT <mark>C</mark> KHLGSPRFEVA <mark>C</mark> ELEQAAL EV
UniRef90_I0H7S1 UniRef90_E3JBM2	A I Y R A E D P R A R I L R D A A R E L D A P R Y E V A R E L E Î A A L T E A V Y R T E D P R S R M L R E Î A E G L G G G Q V D F A V E V E K Q V L G L
UniRef90_E3QA44 UniRef90_S3UI20	R V Y K V V D P R A K F I R A M Q Y R D K V E S N P L L S V A M E D R V A S R L Y K V R D P R A D V L A V A A K N L Y D T E E K R E F Y M H V E K T A L R L
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UniRef90_UPI0003616B65	RVYRAEDPRARVLRRTARELGA PRFEVAEALEQAALAE
UniRef90_V9XHC8 UniRef90_V6I690	RI Y K V R D P R A D V L A L A A K N L Y E L P E L K E F Y MI V E N I A L R L
UniRef90_E9MYV3 UniRef90_G7H3F1	A Y R A E D P R A R L R D A A R E L D A P R Y E V A R E L E A A L T E A V Y R T E D P R S R M L R E I A E G I G G G Q V D F A V E V E K Q V L G I R V Y K V V D P R A K F I R A M I Q Y R D K V E S R K E F Y M H V E K T A L R L R V Y R K M D P R A D V L A V A A K N L Y D T E E K R E F Y M H V E K T A L R L R V Y R K M D P R A Q M M K E A L D F G G P R V E L A M A Y E E T A E R L R V Y R A E D P R A R V L R R T A R E L G A P R F E V A E A L E Q A A L A E R V Y R A E D P R A A V L R S T A K R L D A P R F E F Y M I V E N I A L R L R V Y K N Y D P R A A V L K E T C K E L G Q L D N N P L L Q I A V E L E A I A L R L R V Y R A E D P R A R V L R E T A R R L G V P R F D V A A A L E Q A A L A E R V Y R A E D P R A R V L R E T A R R L G V P R F D V A A A L E Q A A L A E R V Y R V R D P R A A V L K E T C K E L G Q L D N N P L L Q I A V E L E A I A L R L R V Y R A E D P R A R V L R E T A R R L G V P R F D V A A A L E Q A A L A E R V Y R V R D P R A A V L K E T C K E L G Q L D N N P L L Q I A V E L E A I A L R C V Y R A E D P R A R V L R E T A R R L G V P R F D V A A A L E Q A A L A E R V Y R V R D P R A A V L S E A A E R F Y E D D E F F Q T V T S F E D V A V D I R V Y R A E D P R A R V L R E T A R R L G V E V A A A L E Q A A L A E R V Y R V R D P R A A I L S E A A E R F Y E D D E F F Q T V T S F E D V A A A L E Q A A L A E R V Y R V R D P R A T L L Y E V T N Q Y Y A S H A L V K M A Q L L R K V G S K V
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UniRef90_J9NHQ8 UniRef90_UPI0004782BF5	A V L R V E D P R A T L L Y E V T N Q Y Y A S H A L V K M A Q L L R K V G S K V R I F K N E D P R A R H L R K M S E E L C L L R G N K K L F D I S H R I R V Y K N Y D P R A K I M Q K T C H E V L K E L N I Q D D P L A M E L E K I A L R V Y R A E D P R A R V L R R T A R E L N A P R Y E V A E A L E K A A L E E R V Y K N V D P R S T A I R K L A E E V F E T G R N K L L D T A L T L A D Y A R A V Y R A E D P R A A I L R E A A R E L G A P R Y E V A L E L E K A A L A E R I Y R V R D P R A D V L M A A V G R S D R I A F A E A V E V T A L K V
UniRef90_I4YQ78 UniRef90_E2FGH3	RIVRDPRADVLMAAVGRLKGRSDRIAFAEAVEVTALKV GVLRKTDPRYTCQREFALKHLPDDPLFQLVSKLFEVVPPI RIYRVRDPRADALKQALRPLVSAGQVDRQRIELAEAVERI QETKFCDPKYTALINYTREHLPNDPNVKLSQTLTQILTM PVYTISDPRNEVIKRVARQL
UniRef90_W6RH60	RLYRVRDPRADALKQALRPLVSAGQVDRQRLELAEAVERL
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UniRef90_C7NN05 UniRef90_E2SDH0	RVYGARDPRAAVLEDAAASFYEGEDDFFAAAKIEDVATDL RVYRAQDPRARTLRRTAKELNAPRAEVAITALEEAALKE
UniRef90_L7LNX7 UniRef90_Q8ZSU1	R V Y G A R D P R A A V L E D A A A S F Y E G E D D F F A A A K E D V A T D L R V Y R A Q D P R A R T L R R T A K E L N A P R A E V A I A L E E A A L K E A V Y R T H D P R A E L L K E V V T T R Y D S P L V R Q A A A V E A E I E T A R L Y K K G P D P R L R V L R K L A R D L A S E K G D F K W V E L A E R L E E Y
UniRef90_UPI00041FC10B	RIVIY RAEDPRARIV LIRRI AKEILIDA PRFEAAKAILIEDAAILIAE
UniRef90_T0LQI0 UniRef90_G9J0Z5	
UniRef90_UPI0003B760AC UniRef90_UPI000237B6BE	RVYKKGDPRAAAFRRIIAKQL <mark>C</mark> DQNGD RVYRAEDPRAR <u>VL</u> RNT <mark>CDQLR</mark> A PRFE <u>VA</u> RELEQ <u>AAL</u> TV
UniRef90_UPI00046B9159 UniRef90_D6Y4X2	AIVI RRTGPQYT <mark>C</mark> QRFFIVI K HII IPH DPRFKQIVIA QII IYKII. VIPNIV
UniRef90_UPI0001FFDBF7	RIVIY RAEDPRARIV LIRRT <mark>C</mark> QEILIGA PRFEIVIAAELIERTALISIV
UniRef90_UPI00047A9ABA	AVYRTRDPRSEMLKALARRWD DPLVDLAVGVEDALETA

	370 380 390 400
UniRef90_UPI000305D391 UniRef90_UPI0003770B74	EEVMQREKGLEPNLDYYAAPVYYLD VPLELYTPIFFAAVEVEVFLGFKKTCLNVDFYSGFVYDAL GLPPEVFTPLFAMA
UniRef90_B9L3Y9	A FIVIM O R F K GILIF P NIVID F Y A A SIVIY H YILI GILIF K FILIM T PIVIF A A S
UniRef90_K5YKH4 UniRef90_F7XK67	MMEAKK MFPNLDWFSAVSYH MMGVPTLMFTPLFVIA EFVKKSAKLIYPNVDFYAAVAYKYLSLPAQLS TSIFALG
UniRef90_T0N5F2	<u>GVKAFGSKG YTNTDFYSGMVFNA _GFPVDMFTT L FG L S</u>
UniRef90_UPI0002E55EAF UniRef90_F8KRZ6	IVID F Y F II IS R NII IY P NIVID F Y S G T II I I T A II IKII IP T R F F T PIVIFIV I IG
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UniRef90_V8C965	ADDYFKERGLYPNVDFYSGIILTALKUPTT LFTPIFVLG
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UniRef90_F4DAG5 UniRef90_UPI000370AF44	<u>EKVMWEEKELIFPNADFFHASAYHYM</u> GIIPTKLFTPLFV <mark>C</mark> S
UniRef90_I3TNB4	E A V M A D A R S M F A N L D W Y T A V A Y H V I G I P T L L F T P L F V I A
UniRef90_E4RK78 UniRef90_G7QL96	TKEILIEKEILIELI <mark>C</mark> ANIVIDILIYSGEIVIYDILLINILIPK EILIYTPILIEATS
UniRef90_UPI0002490E36	R D Y M F E K T H L H P N V D Y Y T A L I Y H <mark>C</mark> L G L D K S T F T T M F A A <mark>C</mark>
UniRef90_UPI0003B3F4C4 UniRef90_Q7VG31	ADDYFVQRKLYPNVDFYSGIIYKALNIPV EMFTVMFAIA SDSYFVERNLYPNVDFYSGIIJSALKIPV SLFTPIFVIG
UniRef90_C0QCE5	RFKEKKGSDLFVNVDFYSASLFYAM GLPMDLFTPVFALA
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UniRef90_A0A023CYR1 UniRef90_G2J8G4	ADYMEKNKQLHPNVDYYTAEIYH <mark>C</mark> L GEKKETFTMFFAA <mark>C</mark> DTAMR <u>K</u> RRDIWPNVDFYSA <u>S</u> ILYNL GLPKDLFT <u>P</u> LFA <u>C</u> S
UniRef90_D8UMX3	ADDYFII QRK L YPN V DFYTG LI YKAM GFPEKMFT VL FA I
UniRef90_K7ITZ0 UniRef90_UPI000375C64A	IKEARN RSVVAEQNAIAAPLFQFYGLRDMNYNQLLL <mark>O</mark> MA EDDYFVEKKLYPNVDFYSGITLSAI GLPTNMYTVIFALA
UniRef90_Q9HJZ2 UniRef90_UPI0004241BBE	EDDYFVEKKLYPNVDFYSGITLSAI GIPTNMYTVIFALA GIDTFGSKKIYPNTDYFSGIVYLALGYPRNNIYTSFFALS EQLMKEEKGLYPNLDYYAAPVYY LLGIPIDLYTPIFFAA
UniRef90_W5EVA4	SDDYFII IKRKII IYPNIVIDEYSGII LIYRAM GEPTEEEPIVI IE AII IP
UniRef90_A2QSJ2 UniRef90_Q8TU25	EDEYFVTRKLRPNADLFAALVYSAM GFPTEFILPLSLLS ELVEKRGKPIYPNVDFYSGVIYKYMEIPPQ LATSIFALG
UniRef90_UPI000475A5BF UniRef90_UPI0003671787	I IA FILIK P G R FILIH T NIVIF F Y A GIV VIM F ILI <mark>C</mark> GILIP R S M F T P T F A A A
UniRef90_UPI0004560C00	KSEFMRSRQL YPN V DFFSG II YYAMG PL DFFP VL F A V P
UniRef90_B5I2E8 UniRef90_Q9YB84	LAELKPGRELHTNVEFYAGVVME LCGLPREMFTPTFAAAVMWREKKIPANIDLYTAVLYYQLGIPIP MYTPIFAMG
UniRef90_A9AWL9	L EEHKPGRK L QTN V EFYTA LLL <mark>H</mark> G DFET D L FTPTFT S
UniRef90_K6W8W6 UniRef90_A0A022Q9P1	LAQAHPDQPRYANVEFYAGVVMDA CGVPRSMFTPTFAVS LLELGKVKNPWPNVDAHSGVLLNYYGLTEARFYTVLFGVS EEVMWRERKLPANIDLYTGVLYYQLNIPVP MYTPIFAMG
UniRef90_V4JT64 UniRef90_L8DAN1	EEVMWRERKLPANIDLYTGVLYYQLNIPVP MYTPIFAMG LADLKPDRKLYANVEYYAGVVME LCGIPRSMFTPTFACS
UniRef90_UPI000258F1EA	MI KSSKGMKII CPEQNTII AAPIVLIQFYGMKDMEFNQIVLLI <mark>C</mark> MS
UniRef90_G2NQY5 UniRef90_I0XUB9	
UniRef90_F4P469 UniRef90_M1V9U2	ADPYFTDRKLYPNIDYWMGVLFHTMQFPS DMFPVWMFIP EDPYFTERKLYPNVDFYSGVLYRAM GFPSVFFTVLFAIA
UniRef90_H5TTW2	<u>LIREAHPDHPRYANVEFYAGVVMDA</u> CGIJPRSM <u>FTPTFAV</u> S
UniRef90_R1GAQ5 UniRef90_UPI00036A4A7D	TDEYFTSRKLNPNADLFAALAYNAM GFEPEWILPISLMS LAELKPGRKLYANVEYYAGVVMDR CGLPRSMFTPTFACS
UniRef90_M0IQ21	LAEHKPGRRLETNVEFYTAALTHG VGIPKDLFTTTFAVA
UniRef90_UPI0003705279 UniRef90_I0H7S1	L RERKPDR VL ETN V EFWAA VIL DF
UniRef90_E3JBM2 UniRef90_E3QA44	LAELKPGRELYTNVEFYAGVVME LCGLPREMFTPTFAAA TDEYFTSRSLKANADLY G <mark>C</mark> FLYT <u>A</u> FGFEPDI <u>IV</u> A <u>M</u> ASLS
UniRef90_S3UI20	L K E F K P D R I L Q T N V E F Y T A L L L H G I G F P T Q L F T P V F A M G
UniRef90_C8WU78 UniRef90_UPI0003B30192	ETIMREEKGLYPNLD YYAAPVMYMLGIPVPLFTPVFFAALAEHKPGRELHTNVEFYAAVVLEQ CGVPREMFTPTFAMALRERRPDRVLETNVEFWAALVLDFAE VPADLFTSMFTCA
UniRef90_UPI0003616B65 UniRef90_V9XHC8	LRERRPDRVLETNVEFWAAI VLDFAE VPADÜFTSMFTCA LRERRPDRAI ETNVEFWAAVI LDFAE VPAAMMPAMFTCG
UniRef90_V6I690	LIKEFKPDRIVLIHTNIVIEFYTAILLLI <mark>H</mark> GILIQMPT EILIFTPIVIFAII IG
UniRef90_E9MYV3 UniRef90_G7H3F1	KDEYFIERKLYPNVDFYSGIIYKAMGIPSQ MFTVLFALA LRERRPDRAIETNVEFWAAVILDFA <u>EVP</u> AP <u>M</u> MPAMFT <mark>C</mark> G
UniRef90_E4NUW0 UniRef90_R4U7E1	LEEHKPDRRLQTNVEFYTAÄLLHG VGVPKEÜFTATFGIS LRERRPDRVIETNVEFWAAVILDFAQ VPTRMMPAMFT CA
UniRef90_F7Z2G8	EKILIMAQEKGILIYPNILIDYYAAPIVIYWMILIGILIPILIYTPILIF FSS
UniRef90_Q6MAA4 UniRef90_UPI0003B58311	LQNNPKIS DPYPNVDAIS GILLT AAGFPCSEYYTVLFGLA EKIVLKRKGIYPNVDFYSATVQHAL GIPENFYTAIFASS
UniRef90_Q59258 UniRef90_E9V169	NDEYFVEKKILYPNVDFYSGIITLKALL
UniRef90_J9NHQ8	K S E F M R S R NIL IY P NIVID F Y S GIL I IY Q A M G F PIL ID F Y PIV L IF A IVIP
UniRef90_UPI0004782BF5 UniRef90_I4YQ78	LRERKPDRVLETNVEFWAAVVLDFAQ VPPELLSALFT <mark>C</mark> A LER <u>R</u> KP <u>G</u> RRLDTNVEFYTAILLDAL <u>GV</u> PREGFT <u>P</u> LFA <u>A</u> G
UniRef90_E2FGH3 UniRef90_W6RH60	LTKEGKVKNPWPNVDAHSGVLLNHFGEAEARYYTVLFGVS LKERKPDRPLDVNVEFYTALLLDAL GFPRGSFTGVFAIG
UniRef90_H9KHY1	II IMKTAKGKDII IYPEQNAII IAAPII IEQEYGII IKDMKENQIVI I I <mark>C</mark> MS
UniRef90_UPI00035C5383 UniRef90_C7NN05	ESTMWDAKKMFPNLDWFSAVSYH MMGVPTAMFTPL LAEHRPDLDLETNVEFYTAVLLHG VGIPPELFTPTFALS
UniRef90_E2SDH0	LKERRPDRVLETNVEFWAAIVLDYAQIPPH MFTAMFTSA INEFKPGRRLYANVEFYAGV LMSEVGLPPEMFTPTFGVA
UniRef90_L7LNX7 UniRef90_Q8ZSU1	V T A H L S Q K G I Y P N T D L Y A A V I F K Y L
UniRef90_UPI00041FC10B UniRef90_T0LQI0	LRERRPDRPIETNVEFWAAVI LDFAE VPTAMMPAMFT CG EDYLWEKKNLPANVDLYAAILMKFL GIEESFYLPVFAAS
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UniRef90_D6Y4X2 UniRef90_UPI0001FFDBF7	L R E R R P D R P I E T N V E F W A A V I L D F A E V P P H M M P A M F T S A
UniRef90_UPI00047A9ABA	LAELKPGREL <mark>H</mark> ANVEFYAGVVMK LAGLDPSMFTPTF <mark>C</mark> VA

	410 420 430
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UniRef90_K3WVP6 UniRef90_G7WP47	MGI GGV I GL L WF K K EI PP WA A E FI ELVL QI VA DHGP
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UniRef90_W5VNK4	QNASTSTVRLAGSSGANPFACIAAGVACLWGPAHGGANEA
UniRef90_C6BHD2 UniRef90_K1TQX3	GNNSTFTWRVTSSTG MAUTVFSALVTASSLTDPVSCLITSVASAWGPLHFGATES GAPLAHVITQILGSTDLHINELLASTVLAHVDEPKSGTMLE FNASTFAARVCASTLSDIHSCVTAAIGTLRGPLHGGANEA GTPAAHITQILGSTDLDINELLASSVLAYANEPRSGTILQP FNASTFAARVVASTGAGLTSAVLAGLSGPLHGGAPAR LNASTFTVRCITSTGALLFGAVAGGLAALLSGPLHGGAPAR LNASTFTVRCITSTGADAATCLAAGGLAALSGPLHGGAPAR LNASTFTVRCITSTGADAATCLAAGGLAALSGPLHGGAAPAR LNASTFTVRCITSTGADAATCLAAGGLAALSGPRHGGAAPAR LNASTFTVRCITSTGADAATCLAAGGLAALSGPLHGGAAPAR LNASTFTVRCITSTGAAALVCGFGAGAALSGPRHGGAANEA TNS TAGLLHAGSTLADPGSCALSALVCGFGPLHGGAANEA LNASTFTARVTASSGADLYACVSAALLAGPLHGGAANEA LNASTFSARVTASSGANPYACIISAGILAAGPLHGGAANEA LNASTFSARVTASSGADLYACVSAAALAASSGPRHGGATTAR CNASTSTVRLAGSSGANPYACIISAGILAAGPLHGGAANEA LNASTFSARVTASSGADLYACVSAAALAASSGPLHAGGAANEA LNASTFAARVTASSGADVSACIISAGILAAGPLHGGAANEA LNASTFAARVTASSGADVSACIISAGILAAGPLHGGAANEA LNASTFAARVTASSGADVSACIISAGILAAGPLHGGAANEA LNASTFAARVTASSGADVSACIISAGILAAGLSGPLHGGAANEA LNASTFAARVTASSTGANPYACIISAGILAAGPLHGGAANEA LNASTFAARVTASSGADVSACIISAGLAALLSGGRHGGATTAR CNASTFAARVVASTGASSLGAVVSAAGLAALLSGGRHGGATAR LNASTFAARVTASTLADPYISGCMASLLSAGGPLHAGGAATAR CNASTFTTTTVRCCGGVGLNNAMASAVVNULLGDVHGGAAGGQQC LNASTSTGRCIIASTNASLRAVVVGGALAALLSGDVHGGGAAGQQC QAPSIIAAARMAATCGGVGLNNAMASAVVNULLGDDVHGGAAGGQQC QAPSIIAAARMAATCGGVGLNNAMASAVVNULLGDDVHGGAAGGQQC QAPSIIAVARMAATCGGVGLNNAMASAVVNULLGDDVHGGAAGGQQC QAPSIIAARMAATCGGVGLNNAMASAVVNULLGDDVHGGAAGGQQC QAPSIIAARMAATCGGVGLNNAMASAVVNULLGDDVHGGAAGGQQC HAPSIIAARMAATCGGVGLNNAMASAVVNULLGDDVHGGAAGGQQC QAPSIIAARMAATCGGVGLNNAMASAVVNULLGDDVHGGAAGGQQC HAPSIIAARMAATCGGVGLNNAMASAVNULLGDVHGGAAGGQQC HAPSIIAARMAATCGGVGLNNAMASAVNULLGDVHGGAAGGQQC HAPSIIAARMAATCGGVGLNNAMASAVNULLGDVHGGAAGGQQC HAPSIIAARMAATCGGVGLNNAMASAVNULLGDVHGGAAGGQQC HAPSIIAARMAATCGGVGLNNAMAATGVNLLGDVHGGAAGGQQC HAPSIIAARMAATCGGVGLNNAMATGVNLLGDVHGGAAGGQQC HAPSIIAARMAATCGGVGLNNAMATGVNLLGGDVHGGAAGGQQC
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Omitoloo_mi artoi	APPSVIAARAVASGGNTINVGVAAGVATFGSAHGGALEDA LNASTFAVRVAASTGADLYACVSAGLAALSGPRHGGMTDR QAPSIAISRMAATCGPSLNGAMASAINVLDDIHGGPGEQC
UniRef90_A9FIW2 UniRef90_I6XXV1	QAPSITALIS RMAAT CGPSILNGAMAS ALINVLD DITHGGPGEQC
UniRef90_UPI00032A60A5	CASGAHNAL VASRAGKDTVSCLVSGLLTI GPRFGGALDDA
UniRef90_UPI0003140847 UniRef90_UPI0002FA26B8	QAPSIAIARMSVTCGLPLNGAMSSAINMLDDIHGGAGEQC
UniRef90_G2NQY4 UniRef90_UPI00036E0448	LAASTLAARVAASAHAHPYAVVSAGLGVLEGPLHGAASGL
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UniRef90_L8PLH9 UniRef90_K3WVP6	A H K L I L E V L D Q G D A G P V I A E E L R A G R R V P G L G H A A E M F S T A Y D S G L S A A D F V D D M K N K N E L I M G I G H
UniRef90_G7WP47 UniRef90_B3RQH9	A A R E F K R A R D S G L S P E E F V R G M K A K G V N I P G I G H A R Q F S E A F D L G L P M E F V N S M R K Q N K L I M G I G H
UniRef90_B3RQH9 UniRef90_S8E8B1 UniRef90_T1HR11	AARYFKDAYDRGLS PYEFVESMKKKGLRVPGIGH AAKQFSEAYDSGLI PMEFVNSMRKKGQLIMGIGH
UniRef90_11HR11 UniRef90_M1VA42 UniRef90_M7TDW7	ALNEMRGADEGIPPDEFVESLK ASGRRIEGIGH AKFLLQNGIRMKEEDKTVEETAEILVKEHKEQHKRILGFGH
UniRef90_N/71DW/7 UniRef90_N6VV84 UniRef90_UPI0003D24361	A D H F T K Y L Y A G A A R Y F K D A Y D R G L P P S E F V E G M K L K G L R V P G L G H
UniRef90_UPI000360D783 UniRef90_S7RH28	A H QILLIA RIV VI A G F D P A R A IVIA D A IV VIA T H G PIVIP G F G Q
UniRef90_A0A024ICG6 UniRef90_UPI00046E8204	A A M F S S A R D R G L T P R E F V D E A R K Q N K L I S G I G H K I K S V N N A G R L F D E I H R A S E Q H G G D A A A R T V V G E W R A R G Q A V P G Y G H R F I S E T Y K A H R V E G K D I D E C A A A A V D E I R A K K M R V G G F G H
S	N. EGE. ANATHER ONDEDE VANAAMDE EINAKK MIN WOOT OT

	220 240 250 260
UniRef90_T0ZKH8 UniRef90_UPI00036F3636	330 340 350 360 RVYKNFDPRAKIIRETCHKVLSRLGRSDNPLFELALRLEERVYRAEDPRARTLRRTAKELNAPRYEVAEALERAALKE
UniRef90_W9BDL5	RVYKKMDPRALVMKQSLKELCDKKGDHT LLEMCEAG
UniRef90_W4V6J3 UniRef90_UPI0003B5FCAF	RIYRVRDPRADALKNALKPLVATGQVDRSRITLAEGIEKM
UniRef90_F0VG46 UniRef90_A0A059G7K2	RVYKQGDPRS <mark>H</mark> LMMKFALDLAENAPKKDPNLVRIAQ <mark>HI</mark> AE RIYKVRDPRADALKA <u>AV</u> KR <u>MSADSSALP</u> GRLKLAEAVERV
UniRef90_Q6N768 UniRef90_W5Z6S7	PVYTI ADPRNRVIKEVARRISV FAGSVKMEELADRIEAV
UniRef90_M5F0Z3	SRYRNLDLRAAILRET <mark>CHRVLEELGMC</mark> DMPLQVAMALEEV RIYRVRDPRADVLKAVVRQLGSEDRRLAFAEKVEQAALEV PVYRVRDPRAAVLSAAAERFFEEDGFLASVREFEAVATER
UniRef90_I7CVC5 UniRef90_UPI00037175C4	PIVIY I IVIA DPRNKIV I IKEIVIA RKILISKO I GDM KILIFAII IA ERII I
UniRef90_A5ETC1 UniRef90 UPI000376D47B	RIYRVRDPRADVLKAAIARLAGSGADLPFASEVEAYIRAA GVYKLQDPRSPVVKSWVEKLISDDDAKLRFELAKKLDELM
UniRef90_Q4X909 UniRef90_L9TQ07	
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UniRef90_D5Z228 UniRef90_J4H1P0	RVYKTSDPRSFI VRKT <u>A</u> DEVFKTGKDALLETAMAL <mark>H</mark> DAAM
UniRef90_T1B4N0 UniRef90 M5DH85	RVYKTYDPRAKI IKESLMEIM PVYETLDPRSELFKG <u>MLQV</u> LDPEMHA <u>K</u> AHDLEQRI <u>L</u> SF
UniRef90_U2RBS2 UniRef90_Q0SGB3	A V Y R T E D P R S R M L R E VA L G F G G P R V D F A V Q V E E R V Q Q L R V Y K N G D S R V P T I K A A L L D L A A A T G G E K W M R M Y D L L E K T
UniRef90_U6M6D3	RMYKQGDPRAPILIM
UniRef90_B3STI5 UniRef90_X1E6V9	R V Y K N Y D P R A K I M Q Q T C H R V Y Q A W D P R A V I L R E L S L G F F K K H D L H D E V D Y I L E M T E I L
UniRef90_X8FMD7 UniRef90_U1GAW0	RVYRAEDPRARVLRATAKRLAA PRYEVAAALEQAALAE RVYKTKDPRATRIEELMEEHKELAADPLLQVAMEIDKQAN
UniRef90_R6WWL0 UniRef90_Q5AVT7	
UniRef90_E9IW04	R S Y K R L D P R V R F V Q S L L H D L P S T R L L K K E A D F C D P R Y T A L L H Y A K Q H L S N N S E M K F S L D V T R L L R L T
UniRef90_UPI00036E77AE UniRef90_A0A026VZV7	K <u>K</u> T DI <mark>C</mark> DPRYT AL <u>LNY A</u> K Q <u>H</u> LPDN
UniRef90_A0A024KIU4 UniRef90 H5UTB4	RIYRVRDPRADALKLALRPLVAAGEVDKDRVALAEAVEAA SVYRARDPRAD <u>TIRDVC</u> RRLDA PLFE <u>VA</u> ATVDRT <u>A</u> SAL
UniRef90_B2T6L2	PLYPDGDPRARLL LAMLADCAPARSPFAEVMGLARTV
UniRef90_K6GFH9 UniRef90_B2AQG4	RIYRTRDPRLSLIEELIKNREK <mark>C</mark> DANPLLRVAFAIDKLAN
UniRef90_L7U0P2 UniRef90_UPI00029B513D	RLYPKGDPR <mark>C</mark> PPLLEAAREVRPEVPRVRVARAVQE
UniRef90_UPI000375EF4E UniRef90_W5VNK4	R E Y K V K D P R A M
UniRef90_C6BHD2 UniRef90_K1TQX3	PLYRQADPRAGALLA HLPKTGAVRKRLQTV AVYSLSDPRANIFKAFVESLSKREDEFRLYSMVERLAPQV
UniRef90_A7E4M0	R Y K T <u>V</u> D <u>P</u> R <u> </u> Y H L <u> R</u> K M <u>M D</u> D <u>L </u>
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UniRef90_F5XIJ4	R FHPQDPRRAPILLIAILLI <mark>H</mark> EAADII IGEII IEGILIYILID <mark>C</mark> GERILIERA
UniRef90_V2IRW2 UniRef90_UPI00047D7EDB	REHPIV DPRAKPILIAL VDEAARANEVSGRYAAVARGILEDI.
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UniRef90_M9TZQ8 UniRef90_M1QK81	
UniRef90_A9FIW2 UniRef90_I6XXV1	RLYPEGDPRAQLLLDTARALAPQSAALRTVLA
UniRef90_UPI00032A60A5	RIKNNKDKRVE MLQKYARMHEP CVKYMEYANEVE EYTLS
UniRef90_UPI0003140847 UniRef90_UPI0002FA26B8	KYYKEFDPRTKRLMDIAKSLGFYDKYCAFAEKVEEELKQRLYPEGDPRAQLLDTARALAPQSAALRTVLARFHPLDPRAPRLLGMVREAAATGDVSGRFATIGTVLEDTRIKNNKDKRVEMLQKYARMHFPCVKYMEYANEVEEYTLSQLHDDDPRVRRLYALAQRFIEEGEIKGRYLALAEAYRTQRFFPDPRAVKLLAMVDEAAAAGVVKGLHAKAGRLIEAH
UniRef90_G2NQY4 UniRef90_UPI00036E0448	R F H P I D P R A V K L L A M V D E A A A A G V V K G L H A K A G R L I E A H R L Y T G E D P R A E V L F G L L A E V P E A A A A L E A A R D V V S T T A R H V L Y V D R D P R A D L V L D L L K R E Q A R D D D R V A R V T S A V D A L R I T K N P D K R V E L L K N F A K E N F P S T E L L D Y A L E V E K V T T S P L F P A G D P R V V M L L K L L H V Q Y P E A S G T R L V E T L V A E V E Q I R F H P V D P R A P R L I A V T R E F T A R G V V S G R F A D I A E A V E S R V K S I N N P R V Q I L K D F V K Q H F P S T Q L L D Y A L E V E K I T T S V V Y S H R D P R A E O I I E F L T A A N P P D P R P V A A L N V V A R S L D T R I K S N R D K R V E L L Q K Y A Q K F F P S T R Y L D Y A L E V E K I T T S R V K S L N N P R V Q I L K E Y A Q K H F P A T P L L D F A L E V E K I T T S R V K S L N N P R V Q I L K D Y V R Q H F P A T P L L D F A L E V E K I T T S R V K S L N N P R V Q I L K D Y V R Q H F P A T P L L D Y A L E V E K I T T S R V K S L N N P R V Q I L K D Y V R Q H F P A T P L L D Y A L E V E K I T T S R V K S L N N P R V Q I L K D Y V R Q H F P A T P L L D Y A L E V E K I T T S R V K S L N N P R V Q I L K E Y A Q K H F P A T P L L D Y A L E V E K I T T S R V K S L N N P R V Q I L K D Y V R Q H F P A T D L L D Y A L E V E K I T T S R V K S L N N P R V E L L I E E L E E P P R C E P A L A A A R D I A A T A A R Y R I L S N P D K R V T I I K E F A M E N F P A T D V L L K F A L D V E Q V T T R I K S V K N P R V E L L I G Y A R E N F A R T D V L L D Y A L S V Q E I T T A
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UniRef90_I0YXK3 UniRef90_UPI000359DCBE	RIKSNRDKRVELLQKYAQKFFPSTRYLDYALTVERYT RVKSUNNPRVVIIKFYAQKHFPATPUIDFALEVEKUTTS
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UniRef90_K3WVP6	RI LISNPOKRVTI I KEFAMENEPAT DVLKFALDVE QVT T
UniRef90_G7WP47 UniRef90_B3RQH9	K
UniRef90_S8E8B1 UniRef90_T1HR11	RII K R G D N R D K R V E L L Q R F G R S N F P S V K Y M E Y A V G V R V K S I N N P R V K I I K E F V I F N F P A T P I I K Y A I F V F O I T T S
UniRef90_M1VA42 UniRef90_M7TDW7	RIKSARDRRVQLLSQYARENFPSVRYLTYAEAIEAYTLQ
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UniRef90_S7RH28 UniRef90_A0A024ICG6	PDLRVQLVKEYVLKNFPAHSLLDYALAVEKVTTAKKDTLI PVHKARDPRVSALFRVS KQAGGGQRYVEIAEAVEQV PNFKYTDPRAQKLKSIAQAAGVWGDVCDWYEAVHRAFVAR
UniRef90_UPI00046E8204	PNFKYT DPRÄQKLKSLAQAAGÜWGDÖÖÖWYEAVHRÄFVÄR

lupas_21 lupas_14 lupas_28 jnet

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UniRef90_D9UUR5 UniRef90_D5Z228	LHSRRPD	R <u>V L</u> A T N <u>V</u> E		A E V P A P L F T S M	
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UniRef90_U2RBS2 UniRef90_Q0SGB3	LA ELK P G M A G A	RELHTNVE	FYAG <u>LV</u> ME	L C G I P R A M F T P T L T G F D V E M F T P M	FAAA FVMS
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UniRef90_B3STI5 UniRef90_X1E6V9	NDYLLKT	K N I Y P N V D [LYSAGLLHT	L GIPTASFTPL	FAAS
UniRef90_X8FMD7 UniRef90_U1GAW0	IL IR E R R P D	R A II E T N IV ID	FWAAVILDF FYS <mark>C</mark> FLYTA[A GIVIP A N R M P A M	FT <mark>C</mark> G
UniRef90_R6WWL0					NAI A
UniRef90_Q5AVT7 UniRef90_E9IW04	M R R K R K D	K G L Y P N A D I Y P E Q N A [L].	FYGNFVFIG APVIFQYYG	I GFEVEMIPAA LKDMQFNQ	MLA Q
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UniRef90_A7E4M0 UniRef90 Q397U9	QDTYFTS IDAGSAI	RNLKANADI VGQKPSID	L Y <u>G<mark>C</mark>FV</u> FS L A L V A L R R H	ALGFEPELITAA LRLPVGAAF GL	A A M A F A I G
UniRef90_J1ES68		GQPPSLD	FALVAVRR <mark>H</mark>	LGLPQGAAY GL	FALG
UniRef90_T1AHF4 UniRef90_K2M5Q5		KRIPMNID	G <u>AT</u> AVIY <u>A</u> E	L <u>G</u> FAPELARGL	F <mark>C</mark> L S
UniRef90_F5XIJ4 UniRef90_V2IRW2	L A T S T G K L G A G R S	A VPLNVD	GLIALVY <mark>C</mark> E GATAVIYAE	L G L P A P L A R G L L G F P P P L A R G L	FCLS FCLS
UniRef90_UPI00047D7EDB	LRA RKG	KAII PMNII D	GATA VI YGE	LI GFPAPILIARGILI	F C L IS
UniRef90_UPI00047B6ABC UniRef90_UPI000365BD11	LAE GS	K P I P M N V D	G A T A V I Y S E G A <u>T</u> A T I Y A <u>E</u>	II GIIIA PEIIIARGIII	F <u>V</u> LS
UniRef90_M9TZQ8 UniRef90_M1QK81	A K G	P L H A N V D L	L A L A V F S V G <u>A I A A V T</u> S E	A C G L P V Q T G E T V M _ G F D W R L G K G F	FAVS FIIG
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UniRef90_G2NQY4	A	PLHANVD	LALAVILSV	ALGLPAGTAAAL GLAPELGRGV LEIVQIGYLNGL LSIPA EAAKGI L GFDAALARGL SCGMPADAGETV DMRP DAGEAI MFLINAGAFNAF NLKLTNEQFQAL L GFPPPLTRGL L GFPPPLTRGL	FAVA
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UniRef90_D6U803 UniRef90_X5UJB5	L G I H P R I	KKIPINID	GATAVIYGE	N L K L T N E Q F Q A L G F P P P T R G L	<u>V A L A</u> F V L S
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UniRef90_G7GTN0 UniRef90_I0YXK3	LTKA	ANLVLALA	G <mark>C</mark> IG <u>AL</u> FLD	L D I V K I G Y L N G L	FALA FVLA
UniRef90_UPI000359DCBE UniRef90_UPI000273DEFB	KK	PNLILNVD	GMI GVAFVD	L RNCGCFTRL	F V L G F V L G
UniRef90_L8PLH9	KK	TPLRANVD	LALAVETAS	SGMSATAGEAL	FÄVÄ
UniRef90_K3WVP6 UniRef90_G7WP47	KKK	GNLILNVD	GCIGILFID	L M G S C Y G Y L N G L	FVLG FALG
UniRef90_B3RQH9 UniRef90_S8E8B1	K R F T Y T ∏ K ∆	P N L I L N V D	G <mark>C</mark> I GV <mark>C</mark> FVD	L L R N <mark>C</mark> G A F T T E I I	FVLG FVLA
UniRef90_T1HR11	- · · · E K K	PNLILINVD	ĞVİ ĞVŞ FVD	L GFPPLIRGL LRTCGGFLNGI GMNDNAAETI LDIVKIGYLNGL LLRNCGGFTRL MLRNCGSFLNGI SGMSATAGEAI LLRNCGAFTTEI LLRNCGAFTTEI LRNCGAFTTEI LRNCGAFTTEI LRNCGAFTTEI LRRGMGAINSL LLRGVSDILNAL MDFDWRLGKAF	FVLG
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