QUERY	1 10 20 30 40 A T P A D WR S Q S T Y F L L T D R F A R T D G S T T A T C N T A D Q K Y C G G
UniRef90_A1CIW4 UniRef90_Q01117	A T P A D WR S Q S I Y F L L T D R F A R T D G S T T A T C N T A D Q K Y C G G T P A E WR G Q S I Y F L I T D R F A R T D G S T T A P C D L S Q R A Y C G G T A A N WR G R S I Y Q V V T D R F A R T D G S L T Y S C D V T D R V Y C G G
UniRef90_A1CFQ9 UniRef90_B6QA79	T P A F WR S O S II I Y F II I I T D R F G R D D R S T S A P C D T N O R M Y C G G
UniRef90_H1VXC2 UniRef90_C0LW29	SAAEWRSQTII Y Q V MT D R FART D G ST T A P C ST A E A T Y C G G SAAGWRSQSII Y Q V I T D R FART D G ST T A S C N V N F Y C G G
UniRef90_N1PQF6 UniRef90_Q4X0H4	WAERAII Y QV MT DRFARPAGSSDAP CDPE_ RY CGG
UniRef90_K9FVH3 UniRef90_U1HQ74	A S R D Q WL G R S V Y Q V VT D R F A R P D N S T T A S C D A A L G E Y C G G T T E D WR S R S I Y Q V M T D R F A R T D G S T D A P C N L R E G P Y C G G
UniRef90_Q08751 UniRef90_W4CGN8	TTEDWRSRSI Y QVMTDRFARTDGSTDAPCNLREGPY CGG TPEWAKEAV LYQI FPERFANGDPSNDPPGRPRHDSFYGG APPAWVKDAVFYQI FPERFANGDPSLDPENEPTPTNFFGG
UniRef90_M2YZY4 UniRef90_J9VQD3 UniRef90_C6IYD8	TSAQWRSQSIYQVITDRFALTNGSSTQACDWGN YCGG RSRSVYQVIVDRFAR NSSSTGDCNAADRKYCGG PAWVKDALFYQIFPERFANGDPSNDPGGKPERDNFFGG
UniRef90_H8MY88 UniRef90_UPI0004413571	WADEVLYFVVVDRFADGDPSNNEKGDKEAGTFHGG ASADDWRKRSLYQVLIDRYALPKGADLTKCDPAQQAFCGGG
UniRef90_Q5BLZ7 UniRef90_G7VZX1	T P E WARDAV V Y Q I F P D R F A N G D K E N D P P A R P G R D S F Y G G D W S K Q S I Y F I M T D R F S N G D T S N D N Y G N S D M R K W H G G P A WVK D A L F Y Q I F P E R F A N G D T S N D P E G E P T P K N F F G G
UniRef90_D3EBW6 UniRef90_M5GB20	A LAEQWRSRSII IY QILLII DRFAILIPDPSPNPNCNPGDQ LWCGG
UniRef90_C9SQN2 UniRef90_UPI0003B3D792	A S T A E WK T R S I Y F V L T D R A R S S T D T G G N A C G N L G N Y C G G T P E WVK D A V F Y Q I F P D R F A R S Q G L N L Q P W G P H F H R Y M G G
UniRef90_S0EV33 UniRef90_U5L9V1	T P L W P R D A V F Y Q I F P D R F A N G D P S N D G P D K P T G T N R M G G P E W V K D T V W Y Q I F P E R F A N G D E S L N P P D E P K P D N F F G G A S A A D W K S R N I Y F A L T D R V A R S D S D S G G N A C S N L G N Y C G G
UniRef90_A0A016P7P8 UniRef90_L0KBS8 UniRef90_W9CJ63	T P D W A K D A II I IY Q IV IF IV ID R F R N G N P N N D K IV IGIV ID Q IL IP K W M G G
UniRef90_W1SNE8 UniRef90_UPI0003F492AF	WKRRSIYQVLTDRFAIEDENRIGGSDHGIRDY <mark>C</mark> GG PEWVKNTVWYQIFPERFANGNKDIDPDEEPTPTNFFGG ATANDWRSRSVYQVVTDRFA ANNNPPCDLSAKKY <mark>C</mark> GG
UniRef90_V7I4H0 UniRef90_UPI00047DE924	WLQRSVAYQI FPDRFENGDEGNDPPGTPTTKSMFGG PAWVKDTVWYQI FPDRFANGDPTNDRAGTPAFDNHFGG
UniRef90_I0JQM3 UniRef90_U2EDL4	SPDWAKEAI I Y QVFVDRFRDGTDSNNTSVDPSLPG <mark>C</mark> MGG PDWVKETI WY QI FPERFANGDETNDPRQKVTNNMFFGG DWWEDSLFY QI FVDRFYKENIDS QWFRKPKSDDLFGG
UniRef90_UPI00047E6ADA UniRef90_UPI0003F991F1	D WWE D S L F Y Q L F V D R F Y K E N L D S Q W F R K P K S D D L F G G P D W V K D T R W Y Q L F P E R F A N G D P S P W G E V D P K P N N F F G G
UniRef90_UPI000225B642 UniRef90_M8DQK0	PDWVKDTRWYQIFPERFANGDPSPWGEVDPKPNNFFGG FDWDEALLYFMLTDRFFNGNTENDDPYGMNYDRYHGG PAWVKDTVWYQIFPERFANGNPRLNPPNEPTTTSFGG PDWVRDTVWYQIFPERFANGDPALNPADEPTPTNFFGG APPAWVKDAVFYQIFPERFANGDASNDPEGDPKPDNYFGG
UniRef90_R9C4T4 UniRef90_UPI0003045FB1	PD WVRDTVWYQI FPERFANGDPALNPADEPTPTNFFGG APPAWVKDAVFYQI FPERFANGDASNDPEGDPKPDNYFGG
UniRef90_UPI0003717D99 UniRef90_UPI000365DC7F UniRef90_UPI00047A5008	A PPA WVK DA VFY QI FPERFANG DASN DPEG DPKPDNYFGGPNWAK DA VFY QI MTERFAKG DPSI DPGGTPKLDNFFGGPS WVK DTV WY QI FPERFANG DDTCNPTNTPTATNFFGGPE WVK NTV WY QI FPDRFANG DSSKDPAGEPASDSLFGG
UniRef90_K8E5N6 UniRef90_Q5ZEQ7	PEWVKNTVWYQIFPDRFANGDSSKDPAGEPASDSIFGG SPDWVKETVWYQIFPERFANGNPAITPENHPGREDFFGG NYATDVIYQIVIDRFLDGDKYNNPTCGADLRKYLGG
UniRef90_UPI0003F75A3E UniRef90_Q9ZAQ0	PEWAKEAI FYQI FVERFFNGDKNNKHKKLTGEWGFFGG NFTSDI VYQI VVDRFVDGNTSNNPSGSTNLRKY <mark>C</mark> GG
UniRef90_UPI000344AE3F UniRef90_E8N5L2	TAPSFEGEVI Y QV MPDRFFDGDPGNNAGVNRGDPRWHGG TPKWVHDAVFYQI FPDRFAKSTHLEDWDAPPTPYGFKGG NYSTDVI Y QI VTDRFVDGNTSNNPTGDLYDPKYFGG
UniRef90_P26827 UniRef90_L0K7D3	S S P D W R D QIV L IY F II L IT D R F N D G N P D N N N Q GIVIG F Y N P N H G G
UniRef90_D5GCC7 UniRef90_UPI0003B786FD UniRef90_UPI00047B03F8	A S S D D WK T R S I Y F V L T D R F A R T N G S T N A C S N L G N Y C G G T P D W V A D A T F Y Q I F P E R F A N G D P A L D P P G A P T R E N F F G G P G W A Q D A V Y Y Y I F P E R F R N G D T A N D P Q P G T A N N D F F G G
UniRef90_G4TNV8 UniRef90_UPI00031574BB	ATAEQWKERTIYQI ITDRFALPTSDQSTS <mark>C</mark> NVTDQTF <mark>C</mark> GG NYSKDTIYQI VTDRFLDGDPSNNPDGETDLHKYMGG
UniRef90_A9NFZ3 UniRef90_Q2SER5	TPK WVK DTV WY QI FMDRFYSHSKKSNL PWPV NNHEFY GG TPE WV WD QVFY QI FPDRFRI GD WDATPDPSRGSSEFF GG
UniRef90_Q5WAP8 UniRef90_UPI0002FF2619	WODETII IY YII IMIVID RENNGDII IK NDENIVID AKNPEY OGG
UniRef90_A8AXX2 UniRef90_J9IZK0	PDWVSKTVWYQIFPERFANGNADWDSSITPKTTDFFGGWKQRAVYQLVTDRFAKGSGDKSNCNLGAQPYYCGGGQSETFYQILVDRFNNGDNTLDDDQVDLEDPAYHGG
UniRef90_UPI00026273E0 UniRef90_N0AW77 UniRef90_R9PU36	DNWQAETFY QL MILDRFNNGDSSNDEAVNAK DPLY HGG PEWAKQQVFY QL FPERFANGNPSLTPNKDTGATEFY GG
UniRef90_R9N8W9 UniRef90_V7I6Z0	PŪWAQNĀVMYQI FPDSFANGKKEIDLĪGGEGŪSKSQRĞĞ SPEWYREAVFYQI FVDRFYNGNEHGD <u>P</u> QGNI <u>V</u> RWDFFGG
UniRef90_UPI0001850CB5 UniRef90_W4QRN9	WQDES Y F
UniRef90_W6T5Z3 UniRef90_U6B6X1	P A WV K D T V WY QI
UniRef90_B1KQS8 UniRef90_D4L1B2	N Y S T D V I Y Q I V T D R F L D G D S G N N P P P A M L D K K Y <mark>C</mark> G G P D WA A N K V V Y Q I F P A R F A A S D K F Q W Y K A P I S S M D D I H G
UniRef90_UPI000479CB2D UniRef90_I8R4E4 UniRef90_UPI00037CD709	PRWIKDTI WYQI FPERFANGDQAINPPTEPTPDNFFGG PAWVKDTVWYQI FPERFANGDPHNDPAGTVKRDSFYGG TPDWVKNAVEYQI FPDRFARGUNUQTWGDQPHFHKYMGG
UniRef90_G9WFA2 UniRef90_F7KKY0	TPDWVKNAVFYQI FPDRFARGLNLQTWGDQPHFHKYMGG SPEWVKKTI WYQI FPDRFSDGNHDNDSDNQPSSQDFYGG TPDWVKDTVWYQI FPERFCNKKASPWAEGSVTNDEFYGG
UniRef90_UPI00029A90FC UniRef90_J8TR04	Q K D F Y L M P D R F S N G D K S N D V V K G L A E Y F R H G G S D F D WD F A Q I Y F I I I D R F F D G D F T N N D P Y G I G R G T Y Q G G
UniRef90_W7D9T6 UniRef90_D4MS36	PTWASDTRWYQIFPERFANGNPSDWSQESPTTSAFYGG RPMSVYEVHLGSWKRKEFSLDEHGDEIPGSEFY PEWVSEQVFYQIFPDRFCNGNPDLDTENGYGGCEFYGG
UniRef90_B8KBX5 UniRef90_I3XRH1	E WII IR D RIVIG Y QII IF P D R F Y N G N P G N DIL IK A NIL IT D H Q Y F G G
UniRef90_U1MZ53 UniRef90_M1MRY5	F D W D E A R I Y F M L T D R F Y D G D K T N N N P N G E Y Y D Q Y H G G K G E I I Y Q I F P D R F N K S R Q N N N V E G E V D G Q C V M G G
UniRef90_U5SA76 UniRef90_I7LW22 UniRef90_UPI00035C7F0D	SPKWYREGVAYHIFVDRFYNGNKDGDKDGEIIRWEFYGG TAQEWKTRNIYQIITDRFALGDGSKPY <mark>C</mark> DLNKQPYY <mark>C</mark> GG PAWVKEQVFYQIFPDRFANGNPAVSEHGRTGASEFFGG
UniRef90_UP100035C7F0D UniRef90_I3ZE70 UniRef90_S4HR36	DVMYLIMTDRFANGNPAWSERGRIGASEFFGG DVMYLIMTDRFADGDKTNDGPDRKEGRGWHGG PQWLPDARFYQIFPDRFYRCEGYGMWDAEPTRENFLGG

QUERY	50 70 80 T WQGI IDKLDYIQGMGFTAIWITPVTAQLPQD <mark>C</mark> AYGDAYT
UniRef90_A1CIW4	S W Q G K Q L D Y Q G M G F T A
UniRef90_Q01117 UniRef90_A1CFQ9	S Y R G N M L D Y Q G M G F T A
UniRef90_B6QA79	S W Q G L N Q L D Y I Q G M G F T A I W I T P V T Q N F E G N T H D G E A Y H
UniRef90_H1VXC2	T WK GII IA Q KIL ID YII IQ GIL IG A T A IV IWII IS P F IV IK NIV IM G N S R D G D S Y H
UniRef90_C0LW29 UniRef90_N1PQF6	S WQ Ğ I TK H L D Y I Q N M Ğ F T A I WI S P T V Q N I V Ğ D S V D Ğ S S Y H S WK G I S E R L D Y I E G M G F D A V WI S P V V A Q L T A S T G D G E S Y T
UniRef90_Q4X0H4	S WT G D K L D Y Q D L G F T A I Q I S P V V E N I P D N T K Y G E A Y H
UniRef90_K9FVH3 UniRef90_U1HQ74	TFQGLINKLDYIQELGFDAVWISPVQSQEATRTADLSAYH
UniRef90_Q08751	T WR GMI N Q L D Y I Q G M G F D A I Y I S P V T A N L E G N T E Y G E A Y H D L K G V I D R L P Y L E E L G V T A L Y F T P I F A S P S H D L Q G V I D H L D H L N E L G L T A I Y F T P I F D A T T N H
UniRef90_W4CGN8	D L Q G V I D H L D H L N E L G I T A I Y F T P I F D A T T N H T W Q G I T N K L D Y I Q G M G F T A V WI S P I V K N I A N T P Y G N P Y H
UniRef90_M2YZY4 UniRef90_J9VQD3	T WS AIL VID KILID YII IQ G M G F D T IV IWII IS P IV VIE NII IG G T T S E G E A Y H
UniRef90_C6IYD8	DLQGVIDHLDHLSELGITGIYFTPLFEATT NHDLKGLTSKLEELSSLGVTALWVTPLLKQIPGFVTGDWGYHTWNTLKDNLDYIQDAGFTAVWLSPVSQNYEPRTPYGDPYH
UniRef90_H8MY88 UniRef90_UPI0004413571	DLKGLTSKLEELSSLGVTALWVTPLLKQIPGFVTGDWGYH TWNTLKDNLDYIQDAGFTAVWLSPVSQNYEPRTPYGDPYH
UniRef90_Q5BLZ7	DEEGVIHSLPYLRKEGVNALYFTPIFASPS NH DEQGIINQLDYIQNMGETAIWLTPVTMQKS EFAYH
UniRef90_G7VZX1 UniRef90_D3EBW6	DFQGIINQLDYIQNMGFTAIWITPVTMQKS EFAYHDLQGVIDHLDHLSELGVNAIYFTPLFTATT NH
UniRef90_M5GB20	I WQS I I S N L D Y I Q G M G F I A I W I S P V S E N Y D P R I P Y G D A Y H
UniRef90_C9SQN2 UniRef90 UPI0003B3D792	T F R G L Q S K L D Y I Q G M G F D A I WL T P V V A N T P G G Y H G D L W G V I E K L D Y L R D L G V T A L Y F C P V F Q S A S N H
UniRef90_S0EV33	DLMGVLQHLDYLKDLGINAIYFNPLFTARS NH
UniRef90_U5L9V1 UniRef90_A0A016P7P8	D F Q G I L D H I D Y L A G L G L T G I Y F T P I F K A Y S N H
UniRef90_L0KBS8	DIL VIGILIK E KILID YII ID KILIGIVIN AII IWII IS PIVI Y K G P Y S H
UniRef90_W9CJ63 UniRef90_W1SNE8	T <u>W</u> R G <u>I </u> S K L D Y
UniRef90_UPI0003F492AF	TYPAII IQAKIL IDYII IQGMGFDAIVIWII ISPTAKQII IGPTPYGDP YH
UniRef90_V7I4H0	DLKGITGRLDHIKKLGADLIYMTPIFASSS NH
UniRef90_UPI00047DE924 UniRef90_I0JQM3	DILIQ GIV LIFKILID YILID SILIGIVIN TILIWILIS PILI YEGPYSH
UniRef90_U2EDL4	D L E G S K L D Y K E L G A N G Y F T P F N S P S T H K Y D T E N Y Y
UniRef90_UPI00047E6ADA UniRef90_UPI0003F991F1	NLKGIIQKLDYL <mark>C</mark> ELGINRIYLTPIFKSDS NH DFEGV <u>I</u> QNLDYL <u>V</u> DLGINGIY <u>F</u> TPIFKS <u>P</u> S NH
UniRef90_UPI000225B642	D F K G T E K L D Y L D Q L G V N T W S P V E N K H D V E P F Y A N H
UniRef90_M8DQK0 UniRef90_R9C4T4	DEGGVIDHVDHUVDUGVNGVYEIPUFKAYSN
UniRef90_UPI0003045FB1	DILIQ GIV LIN HIL VIHILIE QILIGIVIT ALLIY E T PILIE E A T T N
UniRef90_UPI0003717D99 UniRef90_UPI000365DC7F	DLQGVLDHLGDLQELGISAIYFTPLFVSPS NHDFAGIMQHLDYLVTLGISGIYFTPIFTAHSN H
UniRef90_UPI00047A5008	DIL IQ GIV L IQ HIL ID YIL VIDIL IGII IN GII IY F T PIL IF R A H S N
UniRef90_K8E5N6 UniRef90_Q5ZEQ7	DLQGVIDHLDYLVDLGINGIYF <mark>C</mark> PIFKASS NH DWRGIJQKIEYLPDMGISAIWISPVENLYAVHPQFGTSYH
UniRef90_UPI0003F75A3E	DILIK GILIT K NILID YILIS DILIGILIT AILIYILIT PILIF K S P S N H
UniRef90_Q9ZAQ0 UniRef90 UPI000344AE3F	DWQGI TNKI NYLTEMGVTAI WISQNVFAVMNDADGSTSYHDLAGLTQKLPYVQKLGATALWLTPVYRQQAVNSFDTAAYH
UniRef90_E8N5L2	D L L G V T E H L D Y L Q D L G I T A I Y F T P I F Q S A S N H R Y H T H D Y F
UniRef90_P26827 UniRef90_L0K7D3	DWQGI INKI NYLTGMGVTAI WISQPVENPDSTFGGSTSYHDLQGLIDKINYI KNLGATAI WITPPVANQWWDPWQVTGYH
LINIDATON DECCCZ	TWK CMONOLDVI LCI CENALWI T DI VISNT D C C V L C
UniRef90_UPI0003B786FD UniRef90_UPI00047B03F8	DLAGITAHLDHIESLGANALYLTPIFEADT NH DLAGITEKLDYLKTLGVNTLYINPIFEAGSNHKYDTADYL
UniRef90_G4TNV8	TWS GI TAMLDYLT SMGFTAI WI SPVHKNY DPRTAYGDAYH
UniRef90_UPI00031574BB	DWKGII TEKII EYFTDILIGII TALIWILIQPIVENIVIYAVIHPEGYTSYH
UniRef90_Q2SER5	DLNGVVDALPYLHELGVTAI YLNPI FASHSNHRYDTDDYR
UniRef90_Q5WAP8	DLQGII VDHLDYLQKLGIINGIIYLTPIIFKAFS NH
UniRef90_A8AXX2	DEQGI I DHL DYL QGEGET GLYL CPI FESPS NH
UniRef90_J9IZK0 UniRef90_LIPI00026273F0	DFDGII VANLQYII KNLGFDAII WII IS PIV VDNT DNGFHGY WARN
UniRef90_N0AW77	DFKGVTLQLDYIKDMGFTAICLSPIFDNEENGYHG
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UniRef90_V7I6Z0	NEK GV TAKLDYLK ELGUT GI YLN PVF EARS NH
UniRef90_UPI0001850CB5	DFKGIINEKILIDYII QDMGFTAII WLITPIVIFDNMEKGYHG
UniRef90_W6T5Z3	DUKĞI TNHLDOLADLĞI NGLYLCPI FISPS
UniRef90_U6B6X1 UniRef90_B1KOS8	N
UniRef90_D4L1B2	DÜRĞİ İ E HL DHVQ NÜĞİ DVL YMT PVFKSNS
UniRef90_UPI000479CB2D	DILIQ GILLIA NILID HILIA DILIGIVIN GILIYILI <mark>C PILIF KAST NH</mark>
UniRef90_UPI00037CD709	DIL WGV I DKLDHI VSLGVN AL Y FCPVFQSASN
UniRef90_G9WFA2	DIL IQ GII I N HIL ID DIL IA DIL IGII IN GII IYIL T PI I F K S P S N H DIL IQ GII T S K I IG Y I A DIL IGII T GII VII T DIVIE E A S T T
UniRef90_UPI00029A90FC	DIQ GV IN HL DYL K DL GI T TVWMT PEITE AS TENDMKKASYH
UniRef90_J8TR04	DFKGII TAKL DYLEEL GI NTI WMN PI VE NIQY DVR HYY GYH
UniRef90_D4MS36	NYRELIAPELAYVKDMGYTHVELMPVMEHPLDASWGYQVTG
UniRef90_B8KBX5	DLYGVEQKLDYLQALGVSALYLNPIFTAPS
UniRef90_U1MZ53	DFAGVTKKLDYLDKLGINTIWITPIVDNIDWDLRYOYGYH
UniRef90_M1MRY5	DE LOUKEKL DYLSKLOVSALYLNEL FQANS NH
UniRef90_U5SA/6 UniRef90_I7LW22	NEINGII I QKILIPYILIKELIGII II LIYILISPILIPEARS NH NFKGII ENNILIDYII QGMGFNAII IWI ISPIVIPDNY PNOFHGYAAKN
UniRef90_UPI00035C7F0D	DEQGI YNKEDYLQEEGYTALYLNPIFAAPS NH
UniRef90_I3ZE70	DILIR GII E QHILID YILIQAILIGII N TIVIWI IT PIVIY QNHDHD SYH
JUL790_04□K30	NEA OF TEALER OF THE PERSON ALTERNICE OF SAAIN OKTUAN

	00 100 140 120
QUERY	90 120 GYWQTDIYSLNENYGTADDLKALSSALHERGMYLMVDVVA
UniRef90_A1CIW4	GYWQKDI YNVNSHFGTADDI RALSKAL HDRGMYL MIDVVA
UniRef90_Q01117 UniRef90_A1CFQ9	G Y W M K D I
UniRef90_B6QA79	GYWQQNAYATNPHYGTSSDL LKLSNAL HARGMYL MVDI VV
UniRef90_H1VXC2 UniRef90_C0LW29	G Y W A Q D
UniRef90_N1PQF6	GYWAQDLYALNPSFGTEDDLRDLIQNIHDRGMYIMLDLVV
UniRef90_Q4X0H4	GYWP KNL Y ALNEHF GT ADEL RRL V SEVHRRD MYL I V DV V I GYWP S DL Y SI N S H F GT S D DL Q AL S A AL H A R G M Y L ML DI V V
UniRef90_K9FVH3 UniRef90_U1HQ74	G Y W P S D L Y S I N S H F G T S D D L Q A L S A A L H A R G M Y L M L D I V V G Y W P T N I Y A V N E H F G T E D D L H A L S D E V H K R G M Y L M V D V V I
UniRef90_Q08751	GYWQQNAYATNPHYGTSSDLLKLSNALHARGMYLMVDIVV GYWQQNAYATNPHYGTSSDLLKLSNALHARGMYLMVDIVV GYWAQDIWELNPLFGTAEDLVALADALHARGMYLMADVVT GYWAQNIYQVNSNFGTPADLKALSAALHARGMYLMVDVVT GYWAQDLYALNPSFGTEDDLRDLIQNIHDRGMYLMVDVVT GYWPKNLYALNEHFGTADELRRLVSEVHRRDMYLIVDVVI GYWPSDLYSINSHFGTSDDLQALSAALHARGMYLMLDIVV GYWPTNLYAVNEHFGTEDDLHALSDEVHKRGMYLMVDVVI KYDTADYLAIDPQFGDLPTFRRLVDEAHRRGIKIILDAVF KYDTEDYMKVDPHFGDLETLKKLSAALHARGIKIILDAVF
UniRef90_W4CGN8 UniRef90_M2YZY4	K Y D T E D Y M K V D P H F G D L E T L K K L V D S C H K R G L R V L L D A V F G Y W A Q D L Y S L N S A F G T A A E L K A L S A A L H A R G M Y L M V D V V T
UniRef90_J9VQD3	G Y WT L D P D S L N S N F G S <u>A</u> E D L K T L <u>S</u> S S <u>L H</u> A R G <u>M</u> Y L <u>Q V D V V V</u>
UniRef90_C6IYD8 UniRef90_H8MY88	K Y D T A D Y M K I D P H F G D
UniRef90_UPI0004413571	G Y W A D A <u>S Q</u> L N S R F G S <u>A</u> D D L K A L <u>S</u> D E L H R R G M Y L M V D V V V
UniRef90_Q5BLZ7 UniRef90_G7VZX1	
UniRef90_D3EBW6	K Y D T E D Y M E I ID P Q F G D K D T L K K L V D L <mark>C H</mark> A R G I R V L L D A V F
UniRef90_M5GB20 UniRef90 C9SQN2	G Y WS Q N VT A L N P R M G T P D D L K A L S N A L H A R G M Y L M V D I V A Y WA Q D L Y S I N S N L G T A D D L K S L V N A A H A K N M F V M V D V V A
UniRef90_UPI0003B3D792	RYHTHDYYRIVIDPMILIGGNEAILIRAILVIDEAHARGILIRIVVLIDGIVIE
UniRef90_S0EV33 UniRef90_U5L9V1	GYDTTDYYHVDPRFGTNALLRKLVDRVHAMGWHVILDGVF KYDTDYYEIDPQFGDKETFRELVKLCHDKGIKVMLDAVF
UniRef90_A0A016P7P8	Y W A K DIL IY E IV IN A K Y G T K D DIL IK S IL V IK T A H S K N I I IY IV IM A D IV V IA
UniRef90_L0KBS8 UniRef90_W9CJ63	GYHPASFKKII DPHFGNKQI MKEII VKAAHKRGI KII I YDFVA
UniRef90_W1SNE8	GYWTEDIYSVNPHFGTADDLLALSDALHARGMFLMIDVVV KYDTIDYLELDPQFGTKEVLKEFLDA <mark>C</mark> HKNDLKVMLDAVF
UniRef90_UPI0003F492AF UniRef90_V7I4H0	G Y W P V D W T Q S N T Q F G S D D D L K A L S A E L H R R G M Y L M V D L P V K Y N T R D Y Y E V D K S F G S L E D V R E L I D R C H N I R V I F D A V F N H
UniRef90_UPI00047DE924	KYDTIDYLELDPQFGTKEVLKEFIDACHKNDIKVMLDAVFGYWPVDWTQSNTQFGSDDDLKALSAELHRRGMYLMVDLPVKYNTRDYYEVDKSFGSLEDVRELIDRCHNIRVIFDAVFNHKYDTLDYLQLDPSFGTEETFREMVQLLHDNGIRILLDAVFGYHPADFMNIDPRFGSNELMKELVKKAHKRNIKVVYDLVP
UniRef90_I0JQM3 UniRef90_U2EDL4	GYHPADFMNI DPRFGSNELMKELVKKAHKRNI KVVYDLVP ELDPQFGDLETFKRLVKEAHKRGI KVMLDAVFNHCGFTHR
UniRef90_UPI00047E6ADA	K Y D T D Y Y K D E N F G D E A F K K L D E <mark>C H</mark> K R G K V L D A V F
UniRef90_UPI0003F991F1 UniRef90_UPI000225B642	K Y D T D Y F E D P Q F G T K E D K K L V K E C H D R G K M L D A V F G Y W A S D F G E L N P H F G T E D F H T L D E A H A R G K M V D V V L
UniRef90_M8DQK0	K Y D T
UniRef90_R9C4T4 UniRef90_UPI0003045FB1	K Y D T D Y M E D P Q F G D K Q T F Q K M D V L H D N G R M L D A V F K Y D <u>T K</u> N Y M M V D P H F G T N E <u>K</u> L K E L V Q V C H D R G R V <u>L</u> L D A V F
UniRef90_UPI0003717D99	KYDII VIDYKRIVIDPHFGDNAILLIKTIVVIEE <mark>CH</mark> RRGII IRIVIMILIDAIVIF
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UniRef90_K8E5N6	KYDTII IDYYEII IDPDEGDKETEKKII VIDEAHKRGII IRII IMII IDAIVIE
UniRef90_Q5ZEQ7 UniRef90_UPI0003F75A3E	GYWARDFKRNNPFFGDLNDFRELIAVANEHDIKVIIDFAP KYDTTDYFELDEAFGT <u>K</u> EDFKELVNELHKRG <u>M</u> RIVLDAVF
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UniRef90_UPI0003B786FD	RYDAKDYFAIDHRLGDLAAFRTFLDAAHARGIRVVLDAVL
UniRef90_UPI00047B03F8 UniRef90_G4TNV8	KVDDS FGSNDDVTKLTEQAKARGIRVILDTSLNHTGSDS GYWVTDIGALNDRFGTADDLKTLVAEVHRRG <u>ML</u> IMVDIVV
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UniRef90_A9NFZ3 UniRef90_Q2SER5	K Y D T K D Y F K D P Q F G T N E D F R L L V Q E A H K L G K V V L D A V L Q V E P R L G G E A A L L R L R E A T Q T R G M R L L H T S V H H S W F Q Q A Q
UniRef90_Q5WAP8	KYDTIDYLKVDPQFGDETTLKLLVDE <mark>C</mark> HKRGIRVMLDAVF YWLNDFYNTEEHFGSLKTFKRLIKESHNRDMKIILEFPF
UniRef90_UPI0002FF2619 UniRef90_A8AXX2	Y WILNUTYN I EEH FGSLKTFKRLIKESHNRDMKI I LEFPF KYNTTDYFFI DRHFGDKFTFROI VIFOAHI RGMKVMI DAVIF
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UniRef90_UPI000479CB2D	KYDTVDYFEI DPNFGNKDKFRELVDK <mark>C</mark> HSYGIIKI MII DGVF KYDTI DHFEI DPHFGTKADFQALVDGAHARGMRVMLDAVF
UniRef90_I8R4E4 UniRef90_UPI00037CD709	R Y H T H D Y Y Q V D P M L G G N E A L T A L I K A A H E R G L K V Y L D G V F
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UniRef90_F7KKY0 UniRef90_UPI00029A90FC	KYNTSDYLEIDPTFGDKNVFKKLVDAVHAHGMKI MLDAVFKYDTTDYRKI DPAFGTEEDFRELVDTAHKAGIRI MLDGVFGYAVTDHYKI DPRYGTNELFKKYVETAHAKGMKVVKDI VH
UniRef90_J8TR04	G Y W A S N F E E L N P H F G T M E D F H E L T D E A H A R G M K T M L D V V L
UniRef90_W7D9T6 UniRef90_D4MS36	YYAPTSRYGTPDDEMYEMDYMHGOGIIGIVI I IDWIVIPAHEWGM
UniRef90_B8KBX5	KYDTSDYTQVDPHLGTNEHFASL <mark>O</mark> EKLHQRDMKIMLDAVF GYDVYDYYTVDPKFGTLDDLMMLLNEAHKRGIRVIFDFVP
UniRef90_I3XRH1 UniRef90_U1MZ53	(i Y W A K N F F K) F H (i) M K A F H R) F A N A R (i K M V
UniRef90_M1MRY5	K Y D T V N Y Y N I D S S F G T L D D F R E L V D S <mark>C H</mark> K K N I K V I I D G V F
UniRef90_U5SA76 UniRef90_I7LW22	KYDTGDFMKI DPMFGDEETFKKLI KEAECNGMHI I LDGVF MTEI NSHFGGADGLKSLI DACHKRDI WVMI DVVA
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UniRef90_I3ZE70 UniRef90_S4HR36	G Y G A T D M Y A V D E H Y G S L E D L K S L S K A L H A R G M K L V L D T V P D Y F K I D P L L G T L E D F H T L V D E A H K R N I R I V L D A V L
J (0100_0 _ 1111(00	DII KI DI <u>E E</u> OIEE DI <mark>II</mark> I <u>E</u> VIDE A <mark>II</mark> K K KII IKII V <u>E</u> ID A V L

QUERY	130 140 150 HMGYDGAGSSVDYSVFKPFSSQDYFHPFCFIQNYEDQ	
UniRef90_A1CIW4 UniRef90_Q01117 UniRef90_A1CFQ9 UniRef90_B6QA79	H M G Y N G P G A S T D F S T F T P F N S A S Y F H S Y C P I N N Y N D Q H F A F S G N H A D V D Y S E Y F P Y S S Q D Y F H S F C W I T D Y S N Q H M G Y R G S G Q N V D F N T F H P F N R A E H Y N S F C T I T D Y N N Q N M A Y N G V G T N V D Y S I F N P F P S Q S Y Y H P Y C L I S N Y D N Q	OTN ONS
UniRef90_H1VXC2 UniRef90_C0LW29 UniRef90_N1PQF6	N MAYNGVGTNVDYSTFNPFPSQSYYHPYCLISNYDNQ HMAWHGSRDSVDYSIYRPFSNASLYHRPPCVIDYALQ HMGYLGCGTCVDYSIYTPFNSKSYYHPFCLIDYNNA HMGYAGAGSDVDYSIYTPFNSKSYYHPFCLIDYNNA	ET TS TN
UniRef90_Q4X0H4 UniRef90_K9FVH3 UniRef90_U1HQ74 UniRef90_Q08751	H M G Y A G A G S D V D Y S I F N P F N D R K Y F H D Y C R V D G D N N Q D M M K D D P S L K I D Y S Q L F P F D D E K Y Y H P F C A L T D W T D P D M A W A G N A T T L D Y S T F N P F N D Q K Y F H D Y K L S E D P T N E D M G F A T H G Q D P D Y S V F T P F N D Q R F Y H P W C N L T D F D N Y H A G D Q F F A F R D V L Q K G E Q S R Y K D W F I E D F P V S K T S R H S G R T F A P F V D V Q E K G E A S A F K D W F H L R K F P L Q L E N G	TE
UniRef90_W4CGN8 UniRef90_M2YZY4 UniRef90_J9VQD3	HSGRTFAPFVDVQEKGEASAFKDWFHIRKFPLQTENGHMAYNGAPANVKYNTFSPFNDQKYYHPY CPLEYGNTHVAATATSNFQPSAAYGPFSASEDYHPFCFITDYNNQHSGRTFAPFVDVMEKGEKSRYKDWFHVREYPLQVKDG	iV IP
UniRef90_C6IYD8 UniRef90_H8MY88 UniRef90_UPI0004413571	NVMGLKTDLSDLSTYMFKDKSQYHPYCPIQWGNT	D F T S
UniRef90_Q5BLZ7 UniRef90_G7VZX1 UniRef90_D3EBW6 UniRef90_M5GB20	HSGDRFFAFRDVLEKGADSQYRDWFFLEQFPVVQTPQHTGDFQPANGFAKAPFDKADWYHH NGDLTGADYSHSGRTFAPFVDVQKNGLNSKYKDWFYVRSLPLEVVNVITLNYTDPDLSKFAFTSTDMYHPY CPIDFSNQ	D G
UniRef90_C9SQN2 UniRef90_UPI0003B3D792 UniRef90_S0EV33	H M G Q G S I S N L R P E P L N Q A S S Y H S D Q Q I N H A S R G F F Q F N D L L E Q G E S S A Y H D W F H V E G W P L Q P Y D D H T G D F F A F K S I R F F G P R S P Y R D W Y F I V Y A	Y N O T R
UniRef90_U5L9V1 UniRef90_A0A016P7P8 UniRef90_L0KBS8	H S G Y Q F P P F Q D L L E N Q G D S Q Y K D W F H A G E F P L E G G E R H M G K G L Q D H R P E P L N Q Q S S Y H S P C A L D Y N N Q N S L E Q C H S S N R H P F F Q S A L E K G K R S K Y Y D W Y T F T D W P N K Y	RPN ;EII 'ET
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UniRef90_UPI00047DE924 UniRef90_I0JQM3 UniRef90_U2EDL4	GSDFFAFSDILEKQEDSGYANWYHLEGFPVSTDKVNYHVSVEHPAFQDVMTNGKESKYANWFMIDEFPVQTTPAHTSNQHPFFQDAVEKGEDSPYYDWYSFTNWPNEYWQDVLEHGEHSRYKDYFHLKQFPLFDGNPGDFRFEEG	FT
UniRef90_UPI00047E6ADA UniRef90_UPI0003F991F1 UniRef90_UPI000225B642	WQDVLEHGEHSRYKDYFHIKQFPLFDGNPGDFRFEEGHTSDKFFAFKDAMENGDNSRYRDWYFIKNRDEYETFGHSGYYFAPFQDILEKGQESEYADWFYPHNFPLQGGERHTGYGLKDLDGEIENPPVGFPTDEDRTAFRNLLRQGA	YV PN NV
UniRef90_M8DQK0 UniRef90_R9C4T4 UniRef90_UPI0003045FB1 UniRef90_UPI0003717D99	HTGYGLKDLDGELENPPVGFPTDEDRTAFRNLLRQGAHSGYYFAPFQDVLKNGEKSRYKDWFHLREFPLQTEPLHSGYFFPQWQDVMEKGEES LYKDWFHLREFPLQTEPLHCGHTFPPFVDVLEKGEQSAYKDWFHV RQFPLEVIHCSDKFPPFQDVLEKGEYSVYKDWFHLN AFPAELVHSGYFFDKFQDVLEKGERS PYKDWFHLHEFPLKT	ט ט
UniRef90_UPI000365DC7F UniRef90_UPI00047A5008 UniRef90_K8E5N6	HTGDISPIWODVVKNOFKSKYVDWFHVHSFPVDIGKN	'ET IGN
UniRef90_Q5ZEQ7 UniRef90_UPI0003F75A3E UniRef90_Q9ZAQ0	H T S P A E V N N P N Y A E D G N L Y N N G E F V A S Y S N D L N E I F Y H C G N F E P F Q D V V K N G E N S K Y A D W F H I D S F P V N I K K N H T S P A S E T N P S Y M E N G R L Y D N G T L I G G Y T N D T N S Y F H H F G Y E A P A V R Q H P E W F N G K A Q C D A S Q D R D V D C P L A G L	ΗN
UniRef90_UPI000344AE3F UniRef90_E8N5L2 UniRef90_P26827 UniRef90_L0K7D3	CGKQSPYLDWFKIHGFPLNAYEGKPRYECWWSIPALPHTSPASETDPTYAENGRGYTNDTNGYFHHYGGTDFSSHTGNFFTYKDDKYNPYKPGFNFPWQYPFNMNNYNNOK	TF
UniRef90_D5GCC7 UniRef90_UPI0003B786FD UniRef90_UPI00047B03F8	G M Y	IDD PN PD
UniRef90_G4TNV8 UniRef90_UPI00031574BB UniRef90_A9NFZ3 UniRef90_Q2SER5	HVASVTTTPTDYSQYYFKDASKYHPY CPIQYGDGHSSPALKTDSDYVENGAIYDNGSLIGNYSNDMDLFHHHCGWDHPFFQDVVKYGRNSKYADCFFLDKDPILNFHGGDERYRAFYNFDPEGRYAAWKGIDSLPKLNYANPEVA	3 N L
UniRef90_Q5WAP8 UniRef90_UPI0002FF2619 UniRef90_A8AXX2	HAGLYFPPFQDVLKHQQES EYRDWFHIRQFPVRANIGPNHPWLKDPQKRDWFKGNMEPKVTGENTKENEFS	LEE SNL IPK
UniRef90_J9IZK0 UniRef90_UPI00026273E0 UniRef90_N0AW77	HVGPVGFDYSQLQPFNQPQHYHDN <mark>C</mark> DLNDWGNQWQVEYVSENHVMTDDPAKSDWLKDSSRKQS FQWQDQTSVGPHNPWLQDPTKQDWFHEKQEGKNLETDWLDGLPDHQGGAYHNQDSLFKDWYHFDESGNYWSWKGVETLPKL	N C V V
UniRef90_R9PU36 UniRef90_R9N8W9 UniRef90_V7I6Z0 UniRef90_UPI0001850CB5	G T G F M A F Q D V L K N G K K S D Y Y D W F Y Q L P E K V L L T D P P E H A G A D S V Y F N K V G T Y P F K G A Y Q D R D S K Y T D W F M F N N Y	Y A Y P F
UniRef90_W4QRN9 UniRef90_W6T5Z3 UniRef90_U6B6X1	HVGYDHPWLEDPSKQDWFHEDLGAVNWSD PEHSGYGLKMNDGDVSNPPKNFPTNEDRLRYENMIRQDGHFGDHSPQWEDVVKNGQNSRFADWFHIHDFPVGRNADHAGFHHKAFADIREHGSHSTYKEWFHLRDFPLVTEPLHSSPASSDDSSYAENGRLYMGGYSNDSANLFHHNGGT) G ()
UniRef90_B1KQS8 UniRef90_D4L1B2 UniRef90_UPI000479CB2D	H S S P A S S D D S S Y A E N G R L Y M G G Y S N D S A N L F H H N G G T H T G R E F F A F E D I ME K G E K S K Y L D WY Y I E K F P L K S E R G H I G Y K S P I WQ D V V K N Q E N S K Y K N W F F V K E F P V E A M D E H F G E Q S P Q WQ D V I K H G Q Q S R F A D W F H I H G W P V G R D P Q	DF EI TS
UniRef90_I8R4E4 UniRef90_UPI00037CD709 UniRef90_G9WFA2 UniRef90_F7KKY0	HASRGFFQFNDLLEQGDASAYRDWFHVEGWPLSAYDD HGGDESAQWQDVLRNGQKSLFADWFVIHDFPLHFHET HGGYYFPYWQDVLEKGPESAYWNWFMVNKWPFDQDPW	OAR EL VTY
UniRef90_UPI00029A90FC UniRef90_J8TR04 UniRef90_W7D9T6	HTGYGLEPMKSWVHQWPKYTQTSYRDQAVMDTHASA HTGYGLKESDAGNSHLPYFPTDEDRERFAGMLRAGGS HLGDRSPQWQDVIQHEFKSRFKDWFHLESFPVQTGVN	AD DT IGN
UniRef90_D4MS36 UniRef90_B8KBX5 UniRef90_I3XRH1	QFDGTCVYEHQDPRQGSHPHWGTLIYNYGRPGVSNFLHTSTEHPWFNLQGLSPTTGAYQSVDSPYRHYYFFEGEHVGLGFWAFQDVYRNGPSSRYWSWFLIYKWPFKPGDSHPGYGMEPGAVDTGATNFPTDQERKAFDGMIRSNPVD	. I . A . S Q . N A
UniRef90_U1MZ53 UniRef90_M1MRY5 UniRef90_U5SA76 UniRef90_I7LW22	H T S P D F F A F K D L E N Q E R S K Y K D WY T F S Y P V K V E S P H S G A D S R Y F N K F G T Y S D K G A Y O S M K S P Y S N WY T F F N F	PN
UniRef90_UPI00035C7F0D UniRef90_I3ZE70 UniRef90_S4HR36	H M G N T D Q N Y S E N L P F N S P D H Y H S Y C L I S D S D F A T K N M H T S A D H A W F D K Y Q R N S S E Q P A G A Y D N P A S A Y R R F Y Q F H V G P M H P W V N D E P E P T W F H G T K V K H T V A Q M D F Q P L T N H C G K T H W M F Q D V V K N E E N S E Y V N Y F S V K N F P V K S L P V	NG ISH PN

QUERY UniRef90_A1CIW4	170
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UniRef90_U1HQ74 UniRef90_Q08751 UniRef90_W4CGN8	A QVC WLGDNHVALPDLNTESQEVSDIMNEWAVSLVANYSI YETFAVQVPAMPKLRTENPEVKEYLFDVARFWMEQGIDGW TYDTFA FEPLMPKLNTEHPEVKQYLLKVAEYWIKEVGI
UniRef90_M2YZY4 UniRef90_J9VQD3 UniRef90_C6IYD8 UniRef90_H8MY88	VEQCWMGDTTVSLPDLRTEDTAVQNGFNQWITQLVANYSI VEQCWLGDDTVALADLNTENDSVVSYWNKWIKDLVSNYTI SYDTFA FEPLMPKLNTENPEVKEYLLKVAEFWIKEVGI KTERPEVAKYLLDAQIDWAKRSGVDGFRLDTVKHVSHDFW
UniRef90_UPI0004413571 UniRef90_Q5BLZ7 UniRef90_G7VZX1 UniRef90_D3EBW6	EQNCWLGDTNVTLPDVNTQDPSVVSAYTSWLQALVKEFN
UniRef90_M5GB20 UniRef90_C9SQN2 UniRef90_UPI0003B3D792	NQNSVENCRIAGLPDINTSNPALRTLLQNWIGWLVEEFGF PANYAAWWGNRALPKFNTDNEQVREFLWYWIRFGIDGWRL
UniRef90_S0EV33 UniRef90_U5L9V1 UniRef90_A0A016P7P8 UniRef90_L0KBS8	QRTYEGWFGVPWLPKLNQANPATRDYFLHVGTYWLREAHI YSTFAFVESMPKLNTQNPETKEYLLEVGRYWVREFDIDGW AD LPDLNTGSETVKKVLNDWISWLVTEYSF FYSIKELPEFNNNNYQARNYMLNEVVAYWLNEIGIDGFRL
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UniRef90_UPI00047A5008 UniRef90_K8E5N6 UniRef90_Q5ZEQ7 UniRef90_UPI0003F75A3E	F S F E K S M P K L N T Q H P E V R K L L F D V G Q F W I R E C H I D G W R L F E S Y D T F A F T P H M P K L N T A N P E V Q K Y L L D L A T Y W L R E F D I G G T D F S T Y E D S I Y R N L F N L N N R F V D Q Y L R D S I K F W L D L G V N Y K T F A Q V T E M P K L N T S S E G L R K Y L I D V S K Y W I E E F D I D G I Y R N L F D L A D F N H Q N Q F I D K Y L K D A I K L W L D M G I D G I R
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UniRef90_P26827 UniRef90_L0K7D3 UniRef90_D5GCC7 UniRef90_UPI0003B786FD	DGTYRNLFDLADLNQQNSTIDSYLKSALKVWLDMGTDGTR KANLYHWTPKIKDYKNKKQEKNYQISDRDSYGYWIEEVGV DQWRIERCRIAGLPDLRTENTTVRRLLYDWIRNLYSEYSL YRTCSGCYYLPKWNAYNPEVRDHHYQVARYWIEQGIDGWR QQYSGWGGPTLPELTESDSFKDFAFRKPDSVMKTWLDRGT
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UniRef90_Q2SER5 UniRef90_Q5WAP8 UniRef90_UPI0002FF2619 UniRef90_A8AXX2	MY A G D N A IL LIK H WILK P P Y A II D G W R L D A V H MIL I G D G P S A H N N A P P N Y D T F A F T P L M P K L N T A N E A V K D Y L L N V A T Y WI K E F D I P F II D M R N P F V O K Y I L D II A K W W II A F T D I D G Y O II N I L O N A P F
UniRef90_J9IZK0 UniRef90_UPI00026273E0 UniRef90_N0AW77 UniRef90_R9PU36	ELPYHTFAFASYMPKLNTENPEVKDFLLRVATYWIEHFDIR LAGLPDLKQEDGWVRQQLKDWIKNLVSNYGFLDQSNPEVQDFLMDVADYWIEEANIDGYKFHAADKANQTFQENPAVQAYLIDVAK WWVKETSIDGYKEDHAANVPT
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UniRef90_D4L1B2 UniRef90_UPI000479CB2D UniRef90_I8R4E4 UniRef90_UPI00037CD709	PNYKCFG YYGGMPKLINLIKNPEIVEKFII IT DIVIACYWI KECNI HQNYHTFSYNGYMPKFNTSNKEARDYLLIEIVIGRYWVEEFGV OIINYFTFATGAAMPKIVINTONPAIVOAYII I DIVITKYWVEOFGII
UniRef90_G9WFA2 UniRef90_F7KKY0 UniRef90_UPI00029A90FC UniRef90_J8TR04	PAGY HAWWGNRALPKFNTSNPAVRDFLWDLAEYWLKQWRLAYRPDKNYFTKDMPKWNTANPEVQDYLIGAAAYWTKEFQIDKKYYSFHFTAFMPKLNTNNDEVAEYLAETCEYWIKEFGIRKKMLDGWFVPSMPDLDEQNPYVQNYLTQNHIWWIEYAGIVQGELAGLPDFLTEVPEVREQIIEWQVDWPNGNTIDYFRVLENFDTFAFTTHMPKLNTANPEVQDYLISLATYWIEKFGI
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UniRef90_I3XRH1 UniRef90_U1MZ53 UniRef90_M1MRY5 UniRef90_U5SA76	Y R N F G G C I D M P R L N T E N V E V Q K Y L V D V L K Y W E G M K L S Y Q S W W G V K D L P K L N T E H P D V R S F L Y E D E N S V L R N W T W R L
UniRef90_I7LW22 UniRef90_UPI00035C7F0D UniRef90_I3ZE70 UniRef90_S4HR36	I Q H C R LA GLA DLN Q E N S Y V S N Y L V N W K D L V Q T Y N V E S N E Y I G WN H W L R P P Y N I D A WR F D V I H M L G E G A G A F N N A H A P W S T Q R W F V D T L P D N N Q S N P A N A K Y L V Q N A I W W T E Q A G L Y K T C S G C E Y L P K W N V F N P K V R E H H F N V A R Y W I D Q G I D G Y R

QUERY UniRef90_A1CIW4	210 220 230 240 D G L R I D T V K H V Q K D F W P G Y N K A A G V Y C I G E V L D G D P A Y T C D G L R I D T V K H V E K D F W T G Y T Q A A G V Y T V G E V L D G D P A Y T C
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UniRef90_M2YZY4 UniRef90_J9VQD3 UniRef90_C6IYD8 UniRef90_H8MY88	D G L R L D S A M Q V N Q A F W P G F V K A S G V Y A V G E V L D G N P T S F C D A L R L D T V K H V R H S F W P D F V N A A G V F N Q G E V L L G D A P Y V A D G W R L D V A N E V D H A F W R D F R K V V K A A N P D A Y L L WH E S S A W K E H R R R T R A E L S P D F F L L G E L W G G D V E G L A D G L R L D A A K H V N L D F W P Q F C G A A G V Y C L G E V F D A D A G Q A L
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UniRef90_M5GB20 UniRef90_C9SQN2 UniRef90_UPI0003B3D792 UniRef90_S0EV33	DGLRVDTAKHVPKGFLKDFDQAANTFTLGELYSGDPAYVGDGWRLDVANEVGHSFWREFRQVVKKANPDAYLLWHESSLWDGLRIDAAKHVRKDFWPGFCSAAGVFCMGEVFGGDVPYNADGLRIDTVKHVEKDFWPGFCSAAGVFCMGEVFGGDVPYNADGLRIDTVKHVEKDFWPFTWASGVYSLGEVFDGNPDYLADVPNELDDDSFWQEFRRRVKINPDAYLVGELWGDAHRWLADGWRLDAADQVVPSFWKAFRKNPNAYLVGELWGDAHAWLADGWRLDAADQVVPSFWKAFRKNPNAYLVGELWGDAHAWLA
UniRef90_U5L9V1 UniRef90_A0A016P7P8 UniRef90_L0KBS8 UniRef90_W9CJ63	D GI RI D T V K H V E K S F W P D F Q K A A G V Y A I G E V W D G S P D Y L A D Y A K G P S Y S F W V D F R H K V K S I K P N A Y I F G F V W A D R K K I N
UniRef90_W1SNE8 UniRef90_UPI0003F492AF UniRef90_V7I4H0	R L D V A N E V D H A F W R E F R R E V K A L K P E L Y I L G E V W H D S M P W D G F R I D A S K H M G I P F O N A L C K A A G L L C M G F L Y G S D V N Y A C
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UniRef90_UPI0003F991F1 UniRef90_UPI000225B642 UniRef90_M8DQK0 UniRef90_R9C4T4	DIVKHVENIIWMAFKNALIEKMPEHKMIGEAWGASVHNDY RIDVANEVDHOEWREEROAVKALKPDVYLLGELWHDAMPW
UniRef90_UPI0003045FB1 UniRef90_UPI0003717D99 UniRef90_UPI000365DC7F UniRef90_UPI00047A5008	D G WR L D V A N E V D H H F WR D F R T N P D V Y I L G E I W H D S M P W L Q D G WR L D V A N E V D H Q F WR E F R Q N P D A Y I L G E M F H E G M M W L Q D G WR L D V A N E V D H H F WR D F R K N P E A Y I V G E V W S D S L T W L L D G W R L D V A N E I D H S F W R E F R S E I K A I N S E V Y I I W H D A Q P W D V A N E I D H Q F W K D F R Q V I K R D H P D V Y L V G E V W H D A M P W L D
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UniRef90_UPI000344AE3F UniRef90_E8N5L2 UniRef90_P26827 UniRef90_L0K7D3	DLLKKDRAAGTWTLGEWYDADAGTVAEWQKQGFDSLFLFS EFRSVVKSVNPEAYITGEIPWDARPWLQGNQFDGVMNYL LDAVKHMPFGWQKNFMDSLLSYRPVFTFGEWFLGTNEIDV DGFRVDTVKFIEHEFWNDFFYADDAEAPGIMKVAKKNKKD
UniRef90_D5GCC7 UniRef90_UPI0003B786FD UniRef90_UPI00047B03F8	DGLIRIL DTVK HVE K GF WP GFTS A A GVY SI GEV LIN G DP A YV G DVPY FINHEF WR GFR EV V K G K G D D L Y I V A E E W E P E E W L Q A GWR M DVA P WVS D F F W R F W R T SI K E H S P N A I T V A F T W F D S
UniRef90_G4TNV8 UniRef90_UPI00031574BB UniRef90_A9NFZ3 UniRef90_Q2SER5	D G L R L D A A K H L R G D F WP G F C Q S G G V F C M G E V Y E F E A A S A A D G L R V D A V K H M S Q G W Q E T L T N H L Y S Y Q P V F T F G E W F L G E N D G W R L D V S N E V S H D F L R K V K Q V S R A F L F G E N W D S S M P W L R T H M R G M R D S V K Q E A P Q A Y L L G E H F F E A T E W L Q G D Q E D G A M
UniRef90_Q5WAP8 UniRef90_UPI0002FF2619 UniRef90_A8AXX2 UniRef90_J9IZK0	D G W R L D V A N E V D H A F W R E F R N R V K A Y I L G E I W H N A Y P W L Q S F W E K F S K E V Y E V K D D F Y L I A D T V P S D S N P D K D A W R L D V A N E I D H Q F W R D F R K K P D L Y I L G E V W H T S Q P W L N D G I R I D T I P E V P K D F W S E F G Q A S G V F Q M G E C F N G F S G Y V G L D E L T T H L R S G N P E F Y M L G D I S D T E S Y N G N L T E D T A L Q A V
UniRef90_UPI00026273E0 UniRef90_N0AW77 UniRef90_R9PU36 UniRef90_R9N8W9	_ C E WT N E C V E T V V V V D D E C D E A D N A C E V C A V C V T C D
UniRef90_V7I6Z0 UniRef90_UPI0001850CB5 UniRef90_W4QRN9 UniRef90_W6T5Z3	HNSAQNNAHYVAKFRESIKQTNSEAYMIGEHFAEATQWLQDVANEVNHEFWRIFKQQVCAIKQEVFLIGEIWEDAQCWLMGGWRLDVADEISDGFIRDIRMSMSEADIGEVWEDASNKIADTVRHVPQEFWSEFSNEVKSVKDNFYLIGEIFDKDPRGIEDTVKHVEDTTWMHFKNELTLAKPEFKMIGEAWGAANNQYDAWRFDVADEVDHGFWRNLCGALRAVKPDVYLLGEAWHSS
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UniRef90_I8R4E4 UniRef90_UPI00037CD709 UniRef90_G9WFA2	DAWRFDVADEVDHGFWRQLCGALRAVKPDIYLLGESWHSSDVPNEIDDDSFWQEFRRRVKINPDAYIVGEIWGDAHRWLQDAWRLDVANEVDHHFWRQFRLNPEVFIVGEIWHSAGPWLNDGLRLDVAHELSHKFCRTLRSRLKALRPDFYLIWQDSMRW
UniRef90_F7KKY0 UniRef90_UPI00029A90FC UniRef90_J8TR04 UniRef90_W7D9T6	D G L
UniRef90_D4MS36 UniRef90_B8KBX5 UniRef90_I3XRH1 UniRef90_U1MZ53	GHENLEAVEFLKHLNSVFKGRKDGAVLIAEESTAWPKVTGFDVIHMLGEGEGAKNNAHYVKAFRQSAKDVNPDCYVLGEHPLDVIDSENFFRELREAVKSRYPDAYLVGELWDYRPEWLRDTVKHVDSTTWKSFKNELTALKPDFKMIGEHYGASVNNTG
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UniRef90_S4HR36	DGLRIDT F P Y V Q R D F WT Q F N S Y P K L T S V G E V S G T D P I I N S L D V P Y F I Y P E F W Q D F R Q V V K A K N S E L C A E E W R D P A Q W L Q G

QUERY	250 260 270 280 PYQNVMDGVLNYPITYYPLLNAFKSTSGSMDDLYNMINTVK
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UniRef90_Q4X0H4 UniRef90_K9FVH3 UniRef90_U1HQ74	KYENLVSSVLNYPLYYALIQAF TAGNMLGLAESIRAVQ STQPSUSGULNYPLYYLITDAFNTTNGDUNSLIQSUDYLK
UniRef90_Q08751 UniRef90_W4CGN8 UniRef90_M2YZY4 UniRef90_J9VQD3	PYQNLMPSVTNYPNYFPMVEAFSAGNISALTQANQITKKT LMGDQFDSVMNYLFRESVIRFFATGEIHAERFDAELTRAR LEGDKFDAVMNYPFTDAVLDFFVHGTLDAEEFANSIGKQL TWQSYMPGALNYPNYFWLNRAFASTSATMTELANNIQWLN SYQKNAINPFNYPMYYPLVRAFNGTGQSFSEFISMVSDIN LQGDQFDAVMNYPFTEAVLDFVVRGTLDAEGFANAIGKQL
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UniRef90_Q5BLZ7 UniRef90_G7VZX1 UniRef90_D3EBW6	G D Q F D S V M N Y L F R D C V Y R F F A E Q T S D A S E F D A E L T T A R I S D Y T R Y L D A A L D F P M Y Y T I K D V F R D Q S M I K I K E R Y S D D R Y Y L E G D Q F D A V M N Y P F T N A V L D F F I N R T A D A E K F S F M L G K Q L G Y Q G P G S V L D Y P I Y D Y L V S A F T L P G P G N I S G L V D G L H Q G Q
UniRef90_M5GB20 UniRef90_C9SQN2 UniRef90_UPI0003B3D792 UniRef90_S0EV33	G D Q F D A V M N Y H F T R P C L G F F G A R T D A G A F A A R M D A V T R M Y G D E F D S V M D Y P W R A A V L D F F V F D T S S P S R F D Q O L A Q II R D S
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UniRef90_UPI00047DE924 UniRef90_I0JQM3 UniRef90_U2EDL4	G D Q F D A V M N Y G L T É A F L T F F A T N E S T A S A F S H A I V R N L N S Y T G K L D G A L D F F T Q S A L Q N A F L N D G S M N Q L A S S L T T L H N
UniRef90_UPI00047E6ADA UniRef90_UPI0003F991F1 UniRef90_UPI000225B642 UniRef90_M8DQK0	GDQFQSVMNYEFTFPCWHFFGYNNLNAEEFTTAINRVLTL GDQFDSVMNYPFMFILVDYFAKNAIDTYEFDYLINNLFVR LLGDQFDAVMNYPFTTNVLNLLASQTISAEQFMNDMTTVI GYLDTGMMDSLLDFNFKEVAKNFVNGDVMGANDQLVARNV LRGDQFDAVMNYPFTNGALNYFAKGNVRANEFADTMTNVL GDQFDAVMNYPFTTGAVHFFAKDSITSTAFKHTITNVLHM
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UniRef90_E8N5L2 UniRef90_P26827 UniRef90_L0K7D3	LTYSLWSFFGGEHLQEDLVGHWRSHGPEYFQQITLLQNLY NNTYFGMSLLDFRFSQKVRQVFRDNTDTMYGLDSMIQSTA DFLAFGEVFENFPLHVTLRRVFAQGR PTHHLSYRLNVTM
UniRef90_D5GCC7 UniRef90_UPI0003B786FD UniRef90_UPI00047B03F8 UniRef90_G4TNV8	PYQNYVPALVNFPMYYSIND <mark>C</mark> YARRHG LWDLVRQHDRVS GDLADGTMNYTLRDLVLGFAADRSIDAGAFAAGMTALTER SKYFEFDTTMNYIFRNAVIDYASGRNAKAAYQSIELIREA RWQYNFPLYNALVQAFGIITGQSTDGTIDIITVIFRKVNDMN
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UniRef90_R9N8W9 UniRef90_V7I6Z0 UniRef90_UPI0001850CB5 UniRef90_W4QRN9	GDQFDSTMNYPFSYII CRDFFADRKIISVKEFDQQLHRMLMR YGQRRRYHGTMNYPLKDNMI AYLNGSLSARDLYMRMMSLK AYTGLGIDFVDFPLNEELRSVFQHVDVSMDRLPNYWKYSE VQQYLNSGMMDSLLDFDFKYI ARDVNGQIESVNRRIKERN
UniRef90_W6T5Z3 UniRef90_U6B6X1 UniRef90_B1KQS8	Q A L VIN N G Q F D A V M N Y P L T Q P IL L A L I F N G E L T L I D D Y V G K T Q Y G D Q F D A V M N Y P F T N A A L N F F A L D K T K A S S Y A N D M S H V L F S F V D P A N H D F A N N S G M S IL I D F O F A Q T T R K V F R D O T A D M R A I
UniRef90_D4L1B2 UniRef90_UPI000479CB2D UniRef90_I8R4E4 UniRef90_UPI00037CD709	GDFILEGDE WMNYPFYLINL I DIL LADEKII QVS QFILQYLIK GRL LKGDQFDGVMNYFLTSAI SDFI AQNSI SAETFKDRI TNVL
UniRef90_G9WFA2 UniRef90_F7KKY0 UniRef90_UPI00029A90FC	GDQFDAVMNYHFTRPCLAFFGAHTLDHPMNQRMTEVTQMY GDQMDSVMNYGLTSDVNHYFVDQDITASQLVSQYNDRLMN LRGDEFDSVMNYPFHNAVMNFFRDKETDSRNFQYRINKCY GFDTHLPGITDMAIKEGIYEALNGKNGWTDGINRLYDVVA
UniRef90_J8TR04 UniRef90_W7D9T6 UniRef90_D4MS36	GYLGTGMMDSLLDFEFKYLARDFANGQLERVQSLLEERNA GDEFHATMNYPYLETLNDYFLDKSLDEATLLSGLNTQLMM PVKFDFDYKWNMGWMNDFLGYMKCDPYFRCHHYGFLTFSM
UniRef90_B8KBX5 UniRef90_I3XRH1 UniRef90_U1MZ53 UniRef90_M1MRY5	F F E A T Q WL Q G D Q E D G A M N Y Y G F A H P V G D F L D W Q A E A R A K I G E A F D S L M N Y Y L G R N I L L S Y A R G A L N G Y I A S A R L S E Y Y A G G Y L Q S G Q M D S L L D F D F K Y Q A E R F I N G N I D D V E S A L Q Y R N T Q Y F D G V M N Y S F R D L V Q K A V I R Q S L D A S L F L D E W N F I E E T Y Y D K R R H Y I E G D R L H G A M N Y P F R D T P K A A A E K W M S L K E N Y
UniRef90_U5SA76 UniRef90_I7LW22 UniRef90_UPI00035C7F0D	Y Y G F S H P II R A F F A Q K D II S Y H A C R II D A P Q IL V Q W L N E A R V K L
UniRef90_I3ZE70 UniRef90_S4HR36	S F D T GLWT PLDY PLH F ALR N A F T G A S P M T ELVTIL RQD D T T D S T M N Y T L R D L V L G F T A T K R F N A Y D F V N G L N R L Q E R L

QUERY UniRef90_A1CIW4	290 300 310 320 S D C P D S T L L G T F V E N H D N P R F A S Y T N D I A L A K N V A A F I I L S D C K D P T V L G S F I E N H D N P R F A S Y T K D M S Q A K A V I S Y V I L S E C D T T L L G S F L E N Q D N P R F P S Y T S D E S L I K N A I A F T I L
UniRef90_Q01117 UniRef90_A1CFQ9 UniRef90_B6QA79 UniRef90_H1VXC2 UniRef90_C0LW29	S D C P D S T L L G T F V E N H D N P R F A S Y T N D D A L A K N V A A F I I L S D C K D P T V L G S F I E N H D N P R F A S Y T N D M S Q A K A V I S Y V I L S E C D D T T L L G S F I E N Q D N P R F P S Y T S D E S L I K N A I A F T I L N K C R D P T L L G N F I E N H D N P R F A H Y T N D I S Q A K N V L T F M F L S D C V D T S L L G N F I E N H D N P R F A Y Y T S D Y S E A K N V I S F M F L E A A R D L T L Y G G F L E N H D Q P R F L S H T G D R T L L K N A L T F T L L S S C S D T T L L G S F L E N H D Q P R F L S H T G D R T L L K N A L T F T L L S C S D T T L L G S F L E N H D V A R F P S Y T S D A S L T K N A I A F T I L H N C L D P T A Y G L F S E N H D V E R F A E M T E D M A Q A K N I L T Y T I M K D C K D F A L L E T F V E N H D L P R F A S L T N D T T L A K N A M A F N I L A D C A D V L P L G T F T S N Q D V P R F G S Y T S D I S L A R N I L T I S M L C P D T T A L A S F S E N H D L P R I G S Y T Q D L S L L K S V L A W T L M L Y P E Q G L W N L L D S H D T E R F L T S C G G N E A K F R L A V L F Q M T S R Y P L Q A S E V A F N S H D T P R L L T L A A G D K N K M R L A A L I F Q F T
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UniRef90_UPI00047E6ADA UniRef90_UPI0003F991F1 UniRef90_UPI000225B642 UniRef90_M8DQK0	Y K K Y R T L L N L I D S H D T C R F L Y E C G D E K M K M A V F F Q M T Q S Y P K N V M D V T F N S H D T P R L T E C Q E D V D R V K L I Y T M L Y T E M D N T A T L G Q F L G S H D E D G F L H S V G G D E G K L K V A A A L Q V T H S Y P Q N V N E V A F N S H D T P R L T T C D E R K E K V K L M F V F Q L S Y P N S V N E V S F N L L D S H D T P R L T L A N D R D K A K L L Y L F L L S
UniRef90_R9C4T4 UniRef90_UPI0003045FB1 UniRef90_UPI0003717D99 UniRef90_UPI000365DC7F UniRef90_UPI00047A5008	Q S Y P K N M D V T F N S H D T P R I L T E C Q E D V D R V K L I Y T M L Y T E M D N T A T L G Q F L G S H D E D G F L H S V G G D E G K L K V A A A L Q V T H S Y P Q N V N E V A F N S H D T P R I L T T C D E R K E K V K L M F V F Q L S Y P N S V N E V S F N L L D S H D T P R I L T L A N D R D K A K L L Y L F L L S Y P L Q A N E V M F N L L D S H D T P R L L T L C N D K R K M K L A A L F Q L T P Q Q T N E V V F N L L G S H D T P R L L T V V G E D K R R L K L A V V F L F T H S Y S M N I N E A A F H S H D T P R I L T T C N G N K E K V K L L Y V F Q L S Y P K P V Y H T L F N M V G S H D T P R I V N L K M N K K V K L L S V F Q F S Y R Q Q T N E V Q F N M L D S H D T A R L L T L C G D D K L A K A T L A F T F L Y D M L K N T E N N Y F I D N H D M D R F H Y D G A T K R N V E I G L A F L L T N T E Q V N E V M L N L L D S H D T E R F L T M C N N K E K L K N A V A F L M T S A Y D E V I D O V T F I D N H D M D R F M A D E G D P R K V D I A L A V L L T
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UniRef90_D5GCC7 UniRef90_UPl0003B786FD UniRef90_UPl00047B03F8 UniRef90_G4TNV8	PLPAVQAQMNLLDSHDTARFLSLVNGRKEALRLAALVLFT SDYNFINDMVTFIDNHDMDRFYNGGSTRPVEQALAFTL T NEYRNPYITPLFIDNHDVARFL EKGSRKAMKQSLMFMFT SAFSRPELLGTFLDNHDVRRFLNINNDWTLLKNALAYTML IPGGFRTGMLNLLGSHDTERVLTRHGDEGAALLAYTLLLT YPPQAFYALMNLLSTHDVARTLNELGYTDRFRLAVLFQMT GAFADVGVLGIFLENHDVPRWSNISVDPQSLYNALTFLWM NSYNEVIDQVTFIDNHDMSRFHKEDRAKTNTDIALAVLL
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UniRef90_N0AW77 UniRef90_R9PU36 UniRef90_R9N8W9 UniRef90_V7I6Z0 UniRef90_UPI0001850CB5	QLYDSPNLMGTFMDNFTHDAVLNNIHPGSRWKLALTYLFT PFANQLAQYNLLDSHDTPRFSHLVNESEELTKIAATMLLT YPACIDRVQMNFLDTHDVPRFLSHCGDKKSVELAMFFMLM ENYPKEAFYSAFNSMHDTRRIRTEIPDMDRLRAAVTILMT
UniRef90_W4QRN9 UniRef90_W6T5Z3 UniRef90_U6B6X1 UniRef90_B1KQS8	T F Y E D P Y L M G N F I D N H D M S R F T M L M F P P T R W K Q A L T Y M Y T D S L T N T A T L G Q F L G S H D E D G F L H L I N D Q D T S K L A A A L Q I T R Q P N Q Q A M F N A L D T H D T A R M L T I F H D D T T K V R A A L T L L M L N T M N V N E V T F N L I G S H D T P R A L T R A G N N Q K L R L L L L S M L T D Q M L Q A T S S S Y F I D N H D M D R F Q Q T G V N Q R R I E Q A L A F T L T
UniRef90_D4L1B2 UniRef90_UPl000479CB2D UniRef90_I8R4E4 UniRef90_UPl00037CD709	N K K C Y P L M W N L
UniRef90_G9WFA2 UniRef90_F7KKY0 UniRef90_UPl00029A90FC UniRef90_J8TR04	Y R D Q T N E A M F N L L D S H D T M R I K T R K G N M N L V K S A F A F L F L S M Y M E Q T N Q V L F N D S H D T A R L R T K L P D E D S F F Q A L C I L Y T H D Y K D P T L N C I A L D N H D M S R F Y S V V N D F D K Y K M G M A L L L T K L S N Q A T L G Q F L G S H D E A G F L E S V D G D L G K L M I A A A L Q I T Y R K D T T A V M F N M L D S H D T A R V L S R M N D K Q R L K Q L L A F L F L
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UniRef90_U1MZ53 UniRef90_M1MRY5 UniRef90_U5SA76 UniRef90_I7LW22	QLSNEATLGQFLSSHDEDGFLVSRGGDEGKHMVAASLQMTGQNIHCCFNMSGSHDTERLFNFCR GDIKREKLFYAFLFLPVEAFKSNFNNIGTHDTKRILTALNQNKAKLKQAMTLLFTQHFVDNHDNPRFLSDQVFNNGKDRNTRIQLLKGYTTFTLTPWLNQLSQLNQLDSHDTMRFLSMVNDDTETMHLALLMLFA
UniRef90_UPI00035C7F0D UniRef90_I3ZE70 UniRef90_S4HR36	P WL N QL S QL N QL D S H D T M R F L S M V N D D T E T M H L A L L M L F A S L Y P H P E R L V P F L D N H D L I R F A S E P N A T L A G K L A M T F L L T P Y G Y H H G M M N L L G S H D T E R V L T A H Q N N T E D C L A A Y C C M F A

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UniRef90_Q01117 UniRef90_A1CFQ9 UniRef90_B6QA79 UniRef90_H1VXC2		Y A (; () F () H Y I) (i (i F I) P H N F	R E A L WP T G Y S R E A T WF S G Y N R E A L WP S A Y S R E A L WL S G Y E R E A L WS N S Y S	I K N A F II IY I
UniRef90_C0LW29 UniRef90_N1PQF6 UniRef90_Q4X0H4 UniRef90_K9FVH3	S D G I P I V G D G I P I I S D G I P Q V A D G I P I L	Y Q G Q E Q H L I Y Q G Q E Q H M A Y Q G Q E Q H M S Y Y G E E Q H L S	G S S V P N N F A G G T V Q N N F S G N Y T P F N F S G G F <u>N</u> P V N F	R E A L WS N S Y S R G A L WS T A Y N R E A L WT T K Y S R E A L WT S S F S R R P M WE E K E R E P W W S G Y N	S Q S A T Y Y R N T D A E L Y K D T T S P L F K S M N S T <u>S L </u> P
UniRef90_U1HQ74 UniRef90_Q08751 UniRef90_W4CGN8 UniRef90_M2YZY4	A D G L P M I Y L G T P L I F M G T P C I N D G I P L V	Y Q G Q E Q G F T Y Y G D E G M A Y Y G D E G M E Y Y G Q F Q G F N	T	R	S T T H P L Y A E Q N R G L F E K Q D R E L F E N T K S S L Y T
UniRef90_J9VQD3 UniRef90_C6IYD8 UniRef90_H8MY88	YSGIPCIII	Y Y (3 1) F V (3 1 1) (i (i P I) P I) (i F	REPLWTSGYN REPMWTSNYC RK <mark>C</mark> MEWDPKF RSD <u>M</u> PWGGKK REPLWPSGY	? () D
UniRef90_UPI0004413571 UniRef90_Q5BLZ7 UniRef90_G7VZX1 UniRef90_D3EBW6	YIVIGIPILI	YYGDEIIIGMI	GEIDPDC	R R P M L W D K E E R E N V V F N R K C M E W D E S K R E P L W P T G Y	: QNQAILIFS
UniRef90_M5GB20 UniRef90_C9SQN2 UniRef90_UPl0003B3D792 UniRef90_S0EV33	ARGVPLV YVGVPCL YPGTPCV	Y	G	RED <u>L</u> WRSGFN RRAFPWDEA <i>A</i> RR <mark>C</mark> MFWNPKK	N I N S N L Y Q A W N Q G T L A C W N R T I I Q
UniRef90_U5L9V1 UniRef90_A0A016P7P8 UniRef90_L0KBS8 UniRef90_W9CJ63	S R G I P I V	Y	S	R E <mark>C M</mark> P W D E E E R E D L W R S S F k R F P M P W D K F k	EYSMEMYE (TDSDLYQ (Q <mark>H</mark> IJFVKA
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UniRef90_W6T5Z3 UniRef90_U6B6X1 UniRef90_B1KQS8 UniRef90_D4L1B2		Y Y (3 1) F F A W F	' (7 A N I) P I) (, F	5 F5 (3 IVI Y VVI) F F 1	(JI) K E IVI I E
UniRef90_UPI000479CB2D UniRef90_I8R4E4 UniRef90_UPI00037CD709 UniRef90_G9WFA2	Y V G A P C I Q P G T P D I	Y	P	R K C M N W N K S E R R C M N W H P D D R R A F P W D Q Q E R R P M V W D K Q C	E W D T A T L N Q Q D L N M Y D
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UniRef90_UPI000344AE3F	VIQKLSSLRRSNPALSYGDTEQR WINSD <u>VYIYERQFGK</u> VARDAIAVRKASAALSRGEQTLLEVPDRQADDL <u>LL</u> TREQ
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LVK SKNGKYQIII DRDVAEVY
ELVADKDGKLALSLAAQSSMVL
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7 I DK 118	Ali li Ele <mark>li</mark> lyigo waa dada da da ee ee ee ee ee ee ee ee ee ee ee ee ee

H-'D-(00 DOLLIA)	50 60 70 80
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UniRef90_U2YLQ7	DFAGL MSRLDHVQELGATAI WLLPFYPSPLRDDGYDIQEY DIQGI ISKLDYLRELGIDGI WLTPFYRSPKVDNGYDI SDY AFESI AERI PRI AELGVDTLWLTPVLQHDG
UniRef90_UPI00036EEAE2 UniRef90_M0P244	T F R T A A E R L A G V A A M G F D V V Y L P P I H P I G T T H R K G R N N S L T Y R E L A E E L P Y V K N M G F T H V E F M P V M H H P F N G S W G T D Y L A D L G V D S I L L N P V F E S D N H D Q G I D K L A H I Q E L G F N G I Y L S P V F D A Y S N H T F R E I E R R V E Y L E S L E V D C L W L T P V L A S P T T H T L R G I E E K L P Y L K S L H V T C L Y L N P I F E A H S N H D F K G L T E K L D Y I Q D L G V N T L W L L P F Y P S P M R D D G Y D I S D Y L R S V R A A L P A I E R L G V T A I W L S P L F A A P E G D F G Y D L N G V T G K L D Y I D K L G V D G I W L M P I N P S P S S A H D I Q G M I D H L D Y L S E M G F T A L W P T P L L I N D M P R T S Y H G Y A M D F P G L T S R L D Y L Q D L G V N T L W L L P F Y P S P L R D D G Y D I S D Y D L D G I C E K L P Y L K K L G V T A L W L T P V L E D F A G L M S R L D H V Q E L G A T A I W L L P F Y P S P L R D D G Y D I Q E Y D I Q G I I S K L D Y L R E L G I D G I W L T P F Y P S P M R D D G Y D I Q E Y D I Q G I I S K L D Y L R E L G I D G I W L T P F Y P S P M R D D G Y D I S D Y D F Q G L T T K L D Y L Q D L G A T A I W L L P F Y P S P M R D D G Y D I A D Y D L P G I J A K L D Y V K S L G C N A I W L N P C F V S P F Y D A G Y D V A D Y
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UniRef90_A6V628 UniRef90_UPI00047E7AB6	DÜR GI I QKIL DYLK DI GVOVI WLNEVYKSENA ON YYDIMDE
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UniRef90_A9KKX1 UniRef90_S4ZVC9 UniRef90_G4KPC3	NLTGIQQKLPLLAARGINALYLSPIFQARS
UniRef90_B0P8E9	ELVIYLADMGYNYVELMPVMEYPYDGSWGYQVTG

UniRef90_M0MBC4 UniRef90_D0MJN9 UniRef90_R7R2E8	90 100 110 120 GYHIT DYFDTASDLGTREEFESFVDRCHEHDIRVVFDLVI PYAVRDYYAVNPDYGTEEDFRALVDSVHARGMHI I IDLVA KYDVLDYYHI DPCMGTEEELKELVEELHARGMKLVI DGVF
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UniRef90_C6VIJ2 UniRef90_F3Z5P1 UniRef90_UPI0003669079 UniRef90_UPI000463A359	DPTPED VGVPWALGSADGGHDAVHPELGTLEDFDAF YQLTGYFAAASTYGSPEDLMCLIDALHKEGIGVIMDWVP GYDTRDFRKIDCRLGTNEDFAGVCRSLHAKGLRVVLDGVF
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UniRef90_U2YLQ7 UniRef90_UPI00036EEAE2 UniRef90_M0P244 UniRef90_A4BM95	TEINPQYGDMDQFRAFVAEAHKRGLRVHTSDQHEWFQRAR FAVDRDYGTMADFERLIAEAHRRGIRVIADLVLNHTSTSH GYNIVDFFDVAEDLGDRDDYEALVETAHDHGMRVLFDFVA HNIHSAYGSRRDFRNFVREAHRRGIRIHTSDQHPWFQAAR
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UniRef90_K1LJ77 UniRef90_L8JZS0 UniRef90_H1Y565 UniRef90_A0A010QTH2	TADVIGYQEGARQPYVSKDQKPYRTAGGAPFDDRDYPRVFAVHP DYGTMDDFKQLLEEAHKRDIKIVIDLIINHTSTEHYFAPSSRYGTPQEFMMLIEALHNEGIDWVPSHFPSDQHGLFFAASSRYGSPQDLMYLIEEFHKAGIGVIFDWVPSHFHGIGYSTTDYYKIDPRFGSNEAFIELSRNANQKGVGVIMDMVLKYDTTEYCNIDEQYGTLDDFKKLLEECHKRDIHVILDFMM
UniRef90_R7HSG2 UniRef90_R6A1J5 UniRef90_C7MDR4 UniRef90_C7H688	GY AII I NYYE WD PREGSNADYRDEV SQAHKRGMKIV VQD MIVIE GY QVT GYYAPT SRLGSPDELRHLIDTLHGAGLGVLLDWVP GYDTIIDYRRIVDRRLGTNEEFREFIVAN <mark>C</mark> HARGQKIVI VDGVF
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	130 140 150 160
UniRef90_M0MBC4 UniRef90_D0MJN9	N H T A R E H A A F D M S G A <mark>C V</mark> P G Y E D W Y V W E D E E Y A P P A R T T P D N H T A W D H P W V T E H P D W Y T P G P L D G F T Y P V
UniRef90_R7R2E8	NHCSWEFFAFQDVVEKGEKSRYCKWFYEEFPVRRPEDPDE NHVSEKNDKFQDVVKNGRKSQYYDWFVIEDYPNKEPLNYE
UniRef90_UPI0004794E95 UniRef90_V6J2E4	A A E N D K N S P Y R D Y Y I W A D K N T D II N E K G P W G Q Q V W H E T H P G
UniRef90_I4AAI2	SHTGDDSTYFNRYGKYPGLGAYQSPDSPYYSWYQWKEEKENHSEASAPLTQ DHDYWYHHEPRDPDNNWGPEFNYE
UniRef90_B2IV81 UniRef90_M0I5E0	NHTSRDHPAFQII IHRSGIVIAFYFDYYFRIVIPATQDATAII IDWAG
UniRef90_R5JI98 UniRef90_G5IA88	NHCGVEHPWIKDMPSKDFFNNPDHEKNFTPHVDPYASKYD ACFDGTCVYEHQDPRQGMHPHWGTLIYNYGRPQVTNFLIA
UniRef90_C6VIJ2	N H V G V D S K Y F N Q A G H Y P T V G A T Q S T T S P Y Y P W F T F I H Y P H
UniRef90_F3Z5P1 UniRef90_UPI0003669079	VARARE IRLE DFALQCSPDHPWVKEHPEWFHHRPDGSTASHFPSDEHGLAYFDGTHLYEHADPRKGYHPDWNSYLFNYG
UniRef90_UPI000463A359	N HIVIG R G F W A F O DIVIO F K K W D S P Y K D W F Y II IN F N G N S G Y D D G F
UniRef90_N1ZQS5 UniRef90_M0NRR4	DHLSDFSEQWQDVRKYGARSSFAKWFE KEFPVRYVPSEENHTSRDHPAFQEHSAGVDAYADHFRRVDAERNVVDVEWRE
UniRef90_A7VRR2	SHTGSDSIVIYFNRQGRYPQPGAYQSQQSPYFSWYHFII ISWPE
UniRef90_A0A011P0B3 UniRef90_A9GI63	PWFQAKKRDFYVWSDTDKKFPETRITFTDTEKSNWAWDDVNHTSAEHPYFREAERRMRRAHSFAFYDRDEGGEPTHYFDW
UniRef90_UPI00047D2E3D UniRef90_Q9P9A0	NHTSIVIEHPWEIVIDSASGEGSGRRDWYTWPSDGATGAEPWHS
UniRef90_UPI00037DE194	NHCGTGHWWMSDLPFKDWINYQSDYEKGSAAMIITNHQRTV
UniRef90_G0JKR3 UniRef90_UPI000407061D	P WF Q A A R R N Y Y V WS D T D K K F P E T R I I F S D S E R S N W A W D D V N H S G E T H P W F D R H K A H G K G A S H D P R S P W R D W Y N F S P D G H A
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UniRef90_E8N1X2	P W F K E S C K A E R N E Y T D W Y I W N D D P W R W D E P G F H V V H G Y A D
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UniRef90_UPI000479BDB7 UniRef90_D4L8X9	LPSKNW HQWPEFTRTTYKDQVLFDPYASKKDRLRMTDGW NHVGRDFFAFKDVQQNRENSKYASWFENLNFWNNSPYNDG
UniRef90_L1LTU7	P W F Q K A R R N F Y I V I W S D S D Q K Y D G T R II I I F I L I D T E K S N W T W D P I V I
UniRef90_G8NSH7 UniRef90_D1AVM7	NHVGPGNPWVHDEPAPDWFHGTAESHLKAETNFHALIDPH NHTSSEHPWFKDVLVNKGSKYRKFYRIEKNNNDNIWHNLN
UniRef90_N6YDC2	A R F D G S HIL IY E H A D P R E G F H Q D W N T IL I IY N Y G R A E IV IR N Y IL IT S
UniRef90_Q881X0 UniRef90_X4ZCB3	THFDGTALYEYADPKEGFHQDWDTLIYNLGRTEVHGFMLA PWFLEAKKSKDN <u>P</u> YHDYYWWRDGVE <u>GT</u> PPNDLRG <mark>C</mark> FGGSA
UniRef90_E6VKT6 UniRef90_G8TPA5	R S P K N S S A R N W Y V W S D T D Q K Y Q G T R T T F T D T E K S N W T W D P N H T G W D H L W T K T N P E F Y K R D S E G K F Y D T N N W
UniRef90_D5A0I1	N H T S D Q H P W F Q R A R R L P K G S K E R E F Y V W S D T P D K Y P E V R I
UniRef90_R9LLB1 UniRef90_UPI00036C24C7	N HIV IG R E F W A F Q DIV IQ K N G S A S P Y <mark>C</mark> G W F H N IL IN F G G G S P IL IG D P
UniRef90_B8CML7	GREDGTALYEHADPREGEHRDWNTLIYNEGRHEVRAFLIANHIGSNHWWMKDLPSQTWPYSAPSDLSNEVNGWEVDSMPD
UniRef90_G9RX42 UniRef90_R5WZX9	A H F P K D Q F G L Y Q F D G T N C Y E D Q N P L R A E H K E W G T M V F D Y A R W F K D N P Y H D Y Y V W R D G E E G V Y P N D M N S V F G G P A W E W V P E
UniRef90_R9LBJ0 UniRef90_S6HH28	NHTGSDSIYFNRNRRYGDGGAYNDYNSPYHSWYEFTQWPQ AQFDGTALYEYA <u>NP</u> QEGFHQDWDTLIY <u>N</u> LGRTEV <mark>H</mark> GFMLA
UniRef90_UPI000471471F	N H C G R G F W P F H H II I I E N G K S S P Y K N W F N IL IH E T P F N P Y P K K N
UniRef90_UPI00047D0523 UniRef90_D2B811	EHFDGTALYEHADPRQGFHRDWNTLIYNFGRTEVRNFLEA SAVRDDFYYVDGDDYATFAGVRTLPKFDHRSAELRHRLYE
UniRef90_UPI0003470926	VYFDGTHLYEHADPRKGFHPDWNSYLFNYGRNEVKSFLIS NHLGSNHWWLKDLPEKSWLNYNASFHPTNHARTTVQDPYA
UniRef90_F7NX40 UniRef90_R7R051	NH <mark>C</mark> SMEMEEFED <u>VL</u> KNGKASPYYEWF <u>LIDGDYP</u> DP <u>E</u> RMNY
UniRef90_UPI000289B4FD UniRef90_C8XA00	G G A A N D K N S P Y Y P W F S F H H Y P D S Y D S W W G I G D L P A I N K E S P W F W Y W W R G A R P G M A P G A P G A E P T N W A S F F S G P A W E F D E A
UniRef90_B4CZ69	V WTDDPRKYKEAR
UniRef90_F4H2T9 UniRef90_UPI0003751121	NHT GVAHE WEERALRDRSSEEAEFYYWDKESDLGYVAWLD SFFDGSALYEHEDPRKGEHRDWGTLIYNYGRNEVKNFLLS
UniRef90_M0FL82 UniRef90_UPI00047DE898	NHTSRDHPAFQLHSAGVDAYADHYRRTDAARDVTGLDWAE NHTSDQHPWYYVWSDDDQAYAGTRLIF <mark>C</mark> DTE <u>K</u> SN <u>W</u> TRDPV
UniRef90_A6V628	A H F P T D A H G L G R F D Y E Y E H P F E G F H Q D W D T Y I Y N L G R S E V
UniRef90_UPI00047E7AB6 UniRef90_R6ZLQ8	R S S K H S P Y R D Y Y I W R P G K D G R E P N N W V S I F S G P A W Q Y D E K N H V G R G F W A F Q D V K E K R E A S P Y K D W F H I N F G G N S G Y N D G F
UniRef90_UPI00031720E6	YNFDGSHLYEHADVRKGFHPDWKSYLFNYGRNEVRAFLIS PWFMDPRRDWYLWRDPAPGGPPNNWLSNFGGPAWTFDPA
UniRef90_C5D0T7 UniRef90_UPI0004662A43	N H V G D Y L Q G I G S N A H Y F N N V S WY H N K G D I D F N I E H P H T V A
UniRef90_B7K9W5 UniRef90_K6QK89	NHTSDTHPWFQRARRAPKGSVERDFYVWSDTPDKYREARI RWFVEARRSR <u>D</u> APHRDFYLWRDPKD <u>M</u> TSTFGGS <u>A</u> WQYDAP
UniRef90_N2AY69	NHTSDEHRWFVESRKSADNPYRDYYIIWPNNWGS <mark>C</mark> FSGPAW NHVGRDFWA <u>FK</u> DVKEKK <u>H</u> DSSFISWF <u>NI</u> DF <u>N</u> GNSNYNDGF
UniRef90_W6S0P4 UniRef90_I0H8A2	PPLQFPYTPVLDESEKNLKNPAWLNDVS LYHNRGDTTF
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UniRef90_H1Y565	YKFDGTHIIYFHADPRKGYHPDWTSYIIFNYGRNEVRAFILIS
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UniRef90_R6A1J5	N H C G S M N P L F V D R P D S T W F N N H S H Y V Q T S Y K I D P H A S S A D
UniRef90_C7MDR4 UniRef90_C7H688	A H F P K D E W Y E H A D P R R G E H P D W G T Y L F D T G R N E V R N F L V A N H V G R D F F A F K D L Q A N R E N S R Y K D W F C D V N F W G N N E Y N D G
UniRef90_G9Z447 UniRef90_Q5NXV9	QSGQGACHHPASPSREWYSFSAEGQALDWLGYSSLPKLDY RAPAGSSKRNYYVWSDDPTRYSGTRI JFTDTETSNWAWD <u>P</u>
UniRef90_UPI00045E8CF6	S D P D G P Y G D F Y V W S <u>D</u> D P T R Y E D A R L F V D T E T S <u>N</u> W T F <u>D P V </u>
UniRef90_UPI0004248208 UniRef90_D7BBV2	A H F P K D D F Y E D P D P L R G E H P D W G T Y V F D F G R R E V R N F L V A D N P K R H W Y I W H D G K P T P S G R R A P P N N W L G V F G G R A W E W H E
UniRef90_R7N4Z0	K W F K E S M K A D K N Q Y T D R Y V W T D S A W E S P E N M A T I R G I S D R
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UniRef90_G4KPC3	G F Y P G P G A A Q S Q D S P Y Y S W Y T F H P W P E D Y D A W W G I R T L P A
UniRef90_B0P8E9	A H F D G Q P L Y E Y Q D V H K R E H A H W G T R L F D F G R N E V I C F L T S

D

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UniRef90_B2IV81 UniRef90_M0I5E0	HYDEKLELHPARKFLGETLRFWIQEYHLDGIRYDAARQIA DDAPGLYFNWAKIPNLNYDSLAVRSWMLDVIDEWAGVVDG FDQMNDGWFVTVMPDLNQKNPHVYKYLVQNSFWWIEYADL
UniRef90_R5JI98 UniRef90_G5IA88 UniRef90_C6VIJ2	NAILIE WARKY HADGILIR MDAIVIAS MILIYILIDY GKNDGE WIVIANILIY G
UniRef90_F3Z5P1 UniRef90_UPI0003669079	DYDSWWIRDLPTVDKDDPTYRDFIFGKPDSVIDYWTQRGVYAENPPKKYQDIYPIAFDKDMPGLVAETCRVLRFWMDHGVRNEVRSFLVSNALFWLDKYHVDGLRVDAVASMLYLDYSRK
UniRef90_UPI000463A359 UniRef90_N1ZQS5 UniRef90_M0NRR4	WYEGWE GHYELVKLNLKNPAVVDYLLDCVRFWLETFEI PDYSERLTYNPHMPKVDLENPEVQAYFGNILTYWTRNFDI GGDDIPEYYFNWQRIPNLNYDSLAVRSWMLDVVDEWADVV
UniRef90_A7VRR2 UniRef90_A0A011P0B3	K Y H S WWG F E T L P E V E E T D N N Y N K Y N G R Q G V V R K W L K K G A A K A Y Y W H R F F S H Q P D L N H N N P D V V K A V I R I M R F W C V R E G T
UniRef90_A9GI63 UniRef90_UPI00047D2E3D UniRef90_Q9P9A0	K HLP NLNYDSAEVARWMLEASLHWVRRFDIDGYRVDAAWGRLGDQYLGIFWEGMPDLNFDNPDVRKEIVSIGQYWLKQGVYLGWWGLGSLPKLNTANPEVKEYLIGHWLDFGFDGIRIDANQDMNNGWFVPSMPDLNQENTFMANYIIQNSIWWIETLKL
UniRef90_UPI00037DE194 UniRef90_G0JKR3	NQDMNNGWFVPSMPDLNQENTFMANYIIQNSIWWIETLKL AKAYYWHRFFSHQPDLNHNNPQVVKAMIRVLRYWCVRAGT LAWLGYDSLPKLDFRSAGLVNEIYEGENSIVKYWLNEPWR
UniRef90_UPI000407061D UniRef90_R7HQF3 UniRef90_U2YLQ7	DGWFIVISGMPDILINQRNPHILIMI YILI IQNSII IWWI IEYAGII INGII IRM
UniRef90_UPI00036EEAE2 UniRef90_M0P244	WEYDEKTGQYYY <mark>H</mark> AFSKNQADLNWTNPEVKKAMFAVIDFW
UniRef90_A4BM95 UniRef90_E8N1X2 UniRef90_B7R259	LAQAYYWHRFFSHQPDLNHNNPQVVRAVTRVMRFWLDMGV RHGNPLTNFFYSQPALNFGFAHPDPRKPWQQFWRWIRDWL YEGWWGLGSLPKLNTTNPEVKDYLFMKWLDFGFDGIRVDT
UniRef90_B7R259 UniRef90_R7DK61 UniRef90_UPI000479BDB7	RMCGHGWFVESLPDMNLSNPYTLKYLTQMAVWWIEYANL FDLHMPDVDQSNLFVQNYFTQSHIWWIEYADTYAYNDPAY FSYEGWAGYYDLVKLNLHNDEVVNYLLDCARFWIDEFDL
UniRef90_D4L8X9 UniRef90_L1LTU7	FSYEGWAGYYDLVKL NLHNDEVVNYLLD <mark>C</mark> ARFWIDEFDL AGQYYWHRFYSHQPDLNFDNPQVMKAVIGVMRFWLDMGVD
UniRef90_G8NSH7 UniRef90_D1AVM7 UniRef90_N6YDC2	A G Q Y Y WH R F Y S H Q P D L N F D N P Q V M K A V I G V M R F W L D M G V D A S D R D H G W F A N V L P D M N T E S P A V A Q Y L R Q D A V W W I E Q T G A D E E K Y F G I F W S G M P D L N L R E K E V R K E I H K I S K Y W I E E V G I N A L Y W I E R F G I D G L R V D A V A S M L Y R D Y S R K E G E W V P N R F G
UniRef90_Q881X0 UniRef90_X4ZCB3	NALYWIERFGIDGLRVDAVASMLYRDYSRKEGEWVPNRFG SALHWLKHYHIDGLRVDAVASMLYRDYSRKAGEWVPNRFG WEWYYFHQFAVKQPDLNWDNPKVRQEIYDMINWWMDKGVG
UniRef90_E6VKT6 UniRef90_G8TPA5 UniRef90_D5A0I1	E A G Q Y Y WH R F F S H Q P D L N F D N P R V V G A V V K V M K R W L D N G V H D V I D L N Y Y D H G M R A A M L D A M R F W V K E C D I L F Q D F E T S N W A W D P V A K A Y Y W H R F Y S H Q P D L N Y F W L G M G V
UniRef90_R9LLB1 UniRef90_UPI00036C24C7	F WYEGWQGHYNLVKLNLRNPDVVSHLLGAVGMWIDEFGISALHWLEHYHVDGLRVDAVASMLYRDYSREEGGWIPNVHGLNQTDEKLATYLIQNSIWWVEYANLSGIREDTYSYADKAF
UniRef90_B8CML7 UniRef90_G9RX42 UniRef90_R5WZX9	RPEVQSFLFWLTEYHIDGLRVDAVASMLYLDYNRRDGEWQ LKQYYFHQFSVKQPDLNWENPKLRREIYDMILWWMDKGVG
UniRef90_R9LBJ0 UniRef90_S6HH28	Y N S W W G F F T I I I P N I I N F R D P S Y S F F I I I <mark>C</mark> G F N G IV I I R R W I I N I I G I I I S
UniRef90_UPI000471471F UniRef90_UPI00047D0523 UniRef90_D2B811	S GLHWLKHFHVDGLRVDAVAS MLYRDYSRKAGE WVPNRFGET CGYDCWWNDPALPKFNFKNKAVEDFLLSVGKYWVEKGINALYWDDFLLSVGKYWVEKGINALYWDDFLLSVGKYWVEKGINALYWDDFLLSVGKYWVAGGOS
UniRef90_UPI0003470926 UniRef90_F7NX40	GPQSVIARYLEEFGLDGWRVDVAQSAGRHGGIELNDQVAASALFWLDMYHIDGLRVDAVASMLYLDYSRKQGEWIPNEHGAEVFVDGWFVDTMPDLNQRHPLLATYLIQNSVWWVEYAGL
UniRef90_R7R051 UniRef90_UPI000289B4FD UniRef90_C8XA00	E C F A S C N Y M P K L N T A N A G V Q E F L L K I A A Y WI K E A D I E S Y R R F I F D S E N S I V S K W T G T G I G G W R L D V A D E L S D E F I R S G E Y Y L H L F S R K Q P D L N W E N P D V R Q A V Y A M M R W W L D R G V D
UniRef90_B4CZ69 UniRef90_F4H2T9	LNFDNPLVHAELFRAIDFWMAMPYLYEREGTNCENLDETH VPSLPKLNYGGSALARRMVDGPDSVIGRWLAEPFALDGWR SAMYWLEEFHLDGLRVDAVASMLYLDYSRSANDWLPNQYG
UniRef90_UPI0003751121 UniRef90_M0FL82 UniRef90_UPI00047DE898	S A M Y WL E E F H L D GL R V D A V A S M L Y L D Y S R S A N D W P N Q Y G L G D D V P D Y Y F E W G R P N L N Y D S P T V R E W L L D V V D E W A G V V A G A Y Y W H R F Y S H Q P D L N Y D N P Q V L K E L A V L R Y W L D M R R I H G F M L A S A L H W L R T Y H V D G L R V D A V A S M L Y R D Y S R K E G E W
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UniRef90_UPI0004662A43 UniRef90_B7K9W5	T G Q Y Y A H S F L K E Q P D L N W R N P E V R T A M Y E V L R F W L R R G V D S T Q M L E D H D L S G L D D L D F D H K D A K G A M F D S I K N W F T Y T G A I F Q D F E S S N W S W D S V A N A Y Y W H R F Y S H Q P D L N Y F W L S M G V
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UniRef90_L8JZS0 UniRef90_H1Y565 UniRef90_A0A010QTH2	NAILIE WILID RY HILID GILIRIVID AIVIA S MILIYILID Y S R K O G E W E P NIVIE G
UniRef90_R7HSG2 UniRef90_R6A1J5	D G W F V P T M P D L N Q R N P H L A N Y L I Q N A I W W V E T A N L S G I R V P K D E V T S E T Y Y Q V G S T D W Y Y E G Q F W E G M P D L N K F W L D L G V A Q N A Q D G W F V A S M P D F N Q R N P H V M R Y L I Q N A V W W I E Y A G L
UniRef90_C7MDR4 UniRef90_C7H688 UniRef90_G9Z447	NACYWLEEFHVDGLRVDAVASMLYLDYSREDGQWVPNRHG FSYGNWGGFNLLVKLNQRNPEVQNYHYDTIRFWVDAFDID RAFGLVDEVYRGEDSLVRHWLKAPWNMDGWRLDVVHMLGE
UniRef90_Q5NXV9 UniRef90_UPI00045E8CF6	RAEGLVDEVYRGEDSIVRHWLKAPWNMDGWRLDVVHMLGE VAKSYYWHRFFSHQPDLNFENPNVLKAVLRTMRFWLDMGV RRQYFWHRFFSHQPDLNFENAYVQDAMKDVARFWLRLGVD
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UniRef90_UPI000475479A UniRef90_D3RQ23 UniRef90_U1YYH6	Y A E L A E R L P Y V K D M G F T H I E L M P V T E H P F D G S W G Y Q P V G E I A D Y V K E L G F S H I E L M P I T E H P L D A S W G Y Q C T G D L R G L I D R L D Y L Q W L G I D A L W L P P F Y P S P L R D G G Y D V S D Y
UniRef90_R5RGL2 UniRef90_E5XSX5 UniRef90_F6B9X5	Y R E I A P M L E Y I Q E M G Y I H V E L M P I M Y R E I A E R I D H A A G L G F T H V E L L P V A E H P F G G S W G Y Q V T S S Y R D L A H E L D Y L V D M G Y T H V E I M P L M E H P F D G S W G Y Q I T G
UniRef90_I4D1N8 UniRef90_E0IFF6 UniRef90_UPI0003B2E434	
UniRef90_A9BGH1 UniRef90_D4ZH96 UniRef90_C8NF27	DIPGIISKLDYLKLLGVDVIWLCPVYESPNDDNGYDISNYNFDDVIAALPRIRDMGFDVLYMPPIHPIGKTNRKGRNNTLNYRELAEKLAYLKENHFTHIELL PVSEHPLDISWNYQDLIEQLPYVKEMGFTHLQLMPISEYPFDGSWGYQPVGNLKGIEEELEHFKKLNVNCIYLNPIMESPD NHDLAGFLEKLPHLEALGVGLVYFNPLFDSGS
UniRef90_D7BEV4 UniRef90_H6R3K3 UniRef90_F8LI42	
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UniRef90_Q046J1 UniRef90_F8FB12 UniRef90_UPI0003636956	DFQGIIQKIEYFSDLGISALWISPVQKQPHNTYNEWNPPN
UniRef90_UPI0003F79F0C UniRef90_UPI00037797EC UniRef90_D9XTB3	DIL K GIL IS RIL DYIL K EL GIL K AL WV S P V F P S P M A D F G Y DIL S D Y L D K L Y D WV E H L K D L GIL N A M Y L G P V F E S N SH T F D T A A R R L P A I A A M G F D V V Y L P P I H P I G T T F R K G P N N T L N Y R E I A D M L P Y L Q K M G Y T H V E L M P V T E Y P Y D L S W G Y Q V T G
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UniRef90_W0DJB4 UniRef90_R9KRF3 UniRef90_UPI0003B2F408	KKVEDWIPHIQKLGANAIYFSPVFESDTHG YRELADELPYVRDRGFTHIELLPVTEHPFDGSWGYQSTG TYREFAVKLEYVKDMGYTHVELMGISEYPFDGSWGYQVTG TYRQFADRIEYLKEMNYNYIELMGIAEHPFDGSWGYQVTG HFEKLTKWAEHAKKLGCTAIYLGPLF ESEGH TYLELADALPYVKDMGFTHVEFMPVMQYPYAPSWGYQLTG
UniRef90_R6M1X9 UniRef90_I2GBA3 UniRef90_D2SEM9	I F A I S A E KILIP AII IA DIVIGE DIV VITILIP PII I <mark>A</mark> PII IG I IVIN K K G P N I P Q
UniRef90_A0LSN9 UniRef90_K0D832 UniRef90_D9ZE62	Y R E L A D E L R Y V T D L G F T H V E F L P V A E H P F S G S W G Y Q V T A D L R G I I N R L D Y I K K L G L D L L W L N P L Y K T S N L D G G Y D L S D Y V I D W V E H L K K L G A T C V L E N P L E D S D A H
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UniRef90_H8FRM5 UniRef90_UPI000255D5FE	Y R E I A P Q L A A Y V V E W G F T H V E M P L S E H P F Y G S W D F Q G L R Q K L G Y L E S L G I T A I W L L P F Y P S P L R D D G Y D L A D Y N L A G I R K K L P Y L K K L G V N T I Y L N P I F L A T S N H D L R G I I Q R L D Y L Q W L G I D A V W L S P L Y P S P M A D Y G Y D I S D Y T Y R E L A H E L D Y V K R M G F T H V E L L P V S E H P Y G P S W G Y Q V G N N Y R E I A H Q L D Y I K P L G F T H V E V L P V S E H P F D D S W G Y Q T T G D L K G I A G R L D H L A S L G V D A I W L S P F F K S P M K D F G Y D V S D Y S Y R E L A E T L D Y V K S L G C N A I W L N P L F D S P F K D A G Y D V R D Y N Y R D L A E R L D Y C A T M G F T H I E L M P V T E H P L D A S W G Y Q A T G D L R G A T E G L D Y L Q D L G V T G V W L M P I H P S P S Y R D L A E R L D Y C A T M G F T H V E F L P V H E H P F G G S W G Y Q P V G D L R G A T E G L D Y L Q D L G V T A I E L M P F N E F E G N D S W G Y N P S F S Y R D A A D E I D Y V G A Q G F T H V E F L D L P G L I Q Q L D Y L K A L G V G A L W L S P V Y P S P M C D A G Y D D C D F K G L T E K L D Y L K G L G L D A I W I N P H Y A S P N T D N G Y D D S D Y D W D G L A D R L P Y V R A L G F T H V E L L P V M E H P F G G S W G Y Q P V G D L Q G I I N R L D Y I R S L G C N T I V W L N P C F H S A F M D A G Y D V I D F
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UniRef90_N9U1C7 UniRef90_D3DFA3 UniRef90_B8KBX2	WREIL A V E L D Y V R E M G Y T H I E L P V S E H P F T G S W G Y Q P T G S Y R E L A E E L E Y K E M G F T H V E F P V M E H P F Y G S W G Y Q I T G D L Q G I S K L D Y L E Q L G V D V V W L S P V Y Q S P M D D N G Y D I S D Y
UniRef90_D5MLQ0 UniRef90_A4BF75 UniRef90_I3CK83	WRELAVEL DYVKEMGYTHIELLPVSEHPFTGSWGYQPTG SYRELAELEYI KEMGFTHVEFLPVMEHPFYGSWGYQPTG DLQGI ISKLDYLEQLGVDVVWLSPVYGSPMDDNGYDI SDY TYRELAHRLDYATEMGYTHVELLPITEHPFYGSWGYQTIG TYRELAHRLDYATEMGYTHVEELVPITEHPFYGSWGYQFIG YRELAPRLAYVRELGFTHIELLPIAEHPYDPSWGYQVTG YRELAPRLAYVRELGFTHIELLPIAEHPYDPSWGYQVTG YREFADRLDYLKELKFTHIELLMGILEHPFDGSWGYQVTG DIQGIIEKLDYLKELKFTHIELMGILEHPFDGSWGYQVTG DIQGIIEKLDYLKLLGVDVIWLSPIYDSPNDDNGYDIRNY
UniRef90_R5CHF1 UniRef90_W1SP53 UniRef90_B0XJR4	YREFADRLDYLKELKFTHIELMGILEHPFDGŚWĠYQVTGDIQGIIEKLDYLKLLGVDVIWLSPIYDSPNDDNGYDIRNYDLNGITAKLPYLKDIGVKAFWLSPIFTSPMVDFGYDISDF

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UniRef90_C8N6L6 UniRef90_I2GL79 UniRef90_UPI000475479A	RKIMKEYGTMEDFDRLISEMKKRNMRLMIDVVINHTSDQNLYAPTSPQALCDFIRKAHEAGIYVLLDWVVGHFPTDEYGLPYAIADYTSVNPAYGTMNDFKALVRRAHELGLRVILDWVPLYSPTRRFGTPKEFKAFIDACHKAEIGVILDWVPGHFPADYFAPTSRFGTPDNFRYFVDHFHREGLGVLLDWVPAHFPKD
UniRef90_D3RQ23 UniRef90_U1YYH6 UniRef90_R5RGL2 UniRef90_E5XSX5	Y F A P T S R F G T P D N F R Y F V D H F H R E G I G V L L D W V P A H F P K D T A I A P Q Y G S T S D F A E L V S E A H A R G M R V H T S D Q H P W F Q A S R G Y Q V T G Y Y A P T S R Y G S P E D F M F F V D A L H R A G I G V I L D W V P Y F A P T A R Y G S P D D F R A F V D H L H S R G L G V I M D W V P A H F P K D Y Y A V T S R Y G S P R D F M Y F V D Q C H Q K G I G V I L D W V P G H F C K D
UniRef90_F6B9X5 UniRef90_I4D1N8 UniRef90_E0IFF6 UniRef90_UPI0003B2E434	Y Y A V T S R Y G S P R D F M Y F V D Q C H Q K G I G V I L D W V P G H F C K D R I D P M Y G D E A V F Q A L I E T A R Q L G I S I I L D G V F S H T G S D Q S I I E D W E E L L A Q I H N R D M K L I M D L V V N H S S D E H A W F V E S T P A P D D P G S P Y A I G S P D G G H D A I H P Q L G I C V A P T S P E C K D E D E M Y E V P K M T S P C K D E D E M T S P C K D E D E M T S P C K D E D E M T S P C K D E D E M T S P C K D E D E M T S P C K D E D E M T S P C K D E D E M T S P C K D E D E M T S P C K D E D E M T S P C K D E D E M T S P C K D E D E M T S P C K D E D E M T S P C K D E D E M T S P C K D E D E M T S P C K D E D E M T S P C K D E D E M T S P C K D E D E M T S P C M T S P C T S P C T S P C T S P C T S P C T S P C
UniRef90_A9BGH1 UniRef90_D4ZH96 UniRef90_C8NF27	LY APSHRFGDATGLKAFLDACHKAGLAVVLDWVAAHFPKD RYSTADYFNVDPYLLGTNDDFKELLCELLFKKHGI HI I LDGVF
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UniRef90_UPI0003636956 UniRef90_UPI0003F79F0C UniRef90_UPI00037797EC UniRef90_D9XTB3	CD MEEFGT MAQFDELLAEAHKRGIKI HTSDEHPWFVESR RKYSAYHGYWPVSPREI DPRYGTEDELRKLIDLAHNQNIE KN HPLFGNLNDFDQLLQEVHARDMKLHSSDQHPWFIESR GYDTKDYYQVDRRLGDNQSLAKLIAYLQDNGIRVILDGVF DAGPDDVGVPWAIGSPEGGHDTVHPRLGTLEDFTRFVRRA YYSVTSRYGTPEDFMYFIDKLHRADIGVILDWVPAHFPRD
UniRef90_R6QHK7 UniRef90_UPI0003805FCA UniRef90_M1MBX2 UniRef90_H5Y3S9	YYSVTSRYGTPEDFMYFIDKLHRADIGVILDWVPAHFPRDLYAPTEPEGFARFVNGCHKVGISVLLDWVPAHFPTDEHGLGYDTKDYYKVDERLGSNEDFKKLCNKLHTNQIKIVLDGVFGYQLTGYYSCTSRFGTPEDFMFFIDQCHQAGIGVILDWVP
UniRef90_Q4QK67 UniRef90_R5PF28 UniRef90_W0DJB4	Y N T R D Y T K D C R L G T N E D F K E V V D K L H A A G K V V L D G V F F A P T S R F G T P D D F R H V D A A H R A G G V I I D WV P G H F P K D
UniRef90_R9KRF3 UniRef90_UPI0003B2F408 UniRef90_R6M1X9 UniRef90_I2GBA3	Y Y A P T S R Y G T P A D F A Y L V D Y L H K H G I G V I L D W V P A H F P R D Y A P T A R Y G E P V D F M Y L V N R L H E N N I G V I L D W V P A H F C P D G Y E T T D Y R K V D C R L G T N E D F K K Y V R Y C H E N G L H V I V D G V F Y Y A P S S R F G T P Q E F M T L I E R L H Q A G I G V Y L D W V P S H F P G D
UniRef90_D2SEM9 UniRef90_A0LSN9 UniRef90_K0D832 UniRef90_D9ZE62	Y Y A P S S R F G T P Q E F M T L I E R L H Q A G I G V Y L D W V P S H F P G D F P G G N P Y E I G P D D P G S P W A I G S A E G G H D A V H P Q L G T M E D Y F A P T A R Y G S P D D F R Y L I D R L H Q A N I G V I V D W V P A H F P K D Q S I N P T F G N M S D F Q E L L D K A H Q L G L K I M M D L V V N H S S F E H G Y D T R D Y N R V D P R L G T K E D F Q A V C K A L H E A G I R V M L D G V F G Y Q T T G Y F A A T A R Y G T P D D L M F L I D T L H Q A G V G V I L D W V P
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UniRef90_W8IBS2 UniRef90_R5NU25 UniRef90_C8W262 UniRef90_S9QQH2	Y Y A P I S R Y G S P E D F M Y F V D H M H A N G I G V I L D W V P A H F P R D Y F S V T S R Y G N P H D F M Y F V D C C H Q K G L G V I L D W V P A H F C K D G Y D T A D Y S K V D R R IL G T N A D L IS R IL V A A M R A A G II R V I L D G V F
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UniRef90_R5CHF1 UniRef90_W1SP53 UniRef90_B0XJR4	Y Y A P T S R Y G S P K D F M Y L V D T M H K N G L G V I L D W V P A H F C P D Q A I M N E F G T M A D F D R M L A E L H K R E M R L V M D L V V N H T S D E H V D L Q P E Y G T M T D F E N L V Q E A K R L G L R L I L D F V P N H S S D E H

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LiniDofOO DEDESS	NALY WLERFGVDGIRMDAVASMIYRDYSRAEGEWIPNQYGWYEGWEGNFDLVKL NLRNEEVIQHILSCVKGWIDEFDI SALCWIEDFHIDGLRVDAVASMLYLDYSRQANDWIPNEYGSALMWVEHYHVDGLRVDAVASMLYLDYSRQANDWIPNEYGSALMWVEHYHVDGLRVDAVASMLYLDYGKQDGQWVANKYGGALYWDAYASMLYLDYGKXQDGQWVANKYGGNALYWDRKFHIDGGIRVDAVASMLYLDYGKXQDGQWVANKYGGNALYWDRKFHIDGGIRVDAVASMLYLDYGKXQDGQWVANKYGGNALYWDASANLYLDYSRNAGEWEPNVFGPDGTISYAENPPKKYQDIYPVNFDNDPEGIYAECLRVIRVNALFWLDRFHADGLRVDAVASMLYLDYSRNAGEWEPNVFGPDGTISYAENPPKKYQDIYPVNFDNDPEGIYAECLRVIRVNALFWLDRFHADGLRVDAVASMLYLDYSRPAGAWRPNIYGGSGQYYLHLFAKEQPDLNWDNQEVRHSIFDDMMNWWASKGIDWYEAWEGCY SALFWLEEMHYDDGLRVDAVASMLYLDYGRQHGEWVPNRYGAKGYDAVASMLYLDYGRQWVRDYDI SALFWLEERFHIDGLRVDAVASMLYLDYGRQHGEWVPNRYGAKGYDDLNFENPEVQQAMLDVADELPM TQQYYYHAFFYHHQPDLNFENPEVQQAMLDVMRFWLDKGVD QWHAESGQYYLHLFAPEQADLNWRNPEVQQAMLDVMRFWLDKGVD QWHAESGQYYLHLFAPEQADLNWRNPEVQQAMLDVMRFWLDKGVD QWHAESGQYYLHLFAPEQADLNWRNPEVQQAMLDVMRFWLDKGVD QWHAESGQYYLHLFAPEQADLNWRNPEVQQAMLDVMRFWLDKGVD QWHAESGQYYLHHLFAPEQADLNWFNYEVHSQGLEDNPPSKP NALFWLEEYHIDGLRVDAVASMLYLDYSREHDQWLPNKYGG SALFWLEEYHIDGLRVDAVASMLYLDYSREHDQWLPNKYGG SALFWLERFNIDGLRVDAVASMLYLDYSREHDQWLPNKYGG RCQYYLHNFLTTQPDINFHSMTVNFYVHSQGLEDNPPSKP NALFWLEEFHVDGLRVDAVASMLYLDYSREHDQWLPNKYGG SALFWLERFNIDGLRVDAVASMLYLDYSREHDQWLPNKYGG SALFWLERFNIDGLRVDAVASMLYLDYSREHDQWLPNKYGG SALFWLERFNIDGLRVDAVASMLYLDYSREHDQWLPNKYGG SALFWLERFNIDGLRVDAVASMLYLDYSREHDQWLPNKYGG SALFWLEFFNIDGLRVDAVASMLYLDYSREHDQWLPNKYGG SALFWLEFFNIDGLRVDAVASMLYLDYSREHDQWLPNKYGG SALFWLEFFNIDGLRVDAVASMLYLDYSRAEGEWIPNKYGG SALFWLEFFNIDGLRVDAVASMLYLDYSRNDGEWAPNQFG VSQQYYLHFFLDGLRVDAVASMLYLDYSRNDGEWAPNQFG VSQQYYLHFFLDGLRVDAVASMLYLDYSRNDGEWAPNQFG VSQQYYLHFFLDGLRVDAVASMLYLDYSRNDGEWAPNQFG VSQQYYLHFFLDGLRVDAVASMLYLDYSRNDGEWAPNQFG VSQQYYLHFFLDGGRODDAVASMLYLDYSRNDGEWAPNQFG VSQQYYLHFFLDGGRODDAVASMLYLDYSRNDGEWAPNQFG
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UniRef90_Q1Q1D9 UniRef90_A0A024PIU0 UniRef90_UPI00035F8A79 UniRef90_E7QVQ6	GRENIEAVSFLKKONETILYHFYPDVQTI AEESTA WPMVSR EEGARKNI EWWNEFRNSMKETNPNAYL VGEVWDEPEV VAP GNENLEAI DFI RELNNV VQGQHPGAL I VAEESTS WPQVTR DGFRFDVI HEYVREMYDRVLSEYDIMTVGETSHITVEEAR
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UniRef90_E5XSX5 UniRef90_F6B9X5 UniRef90_I4D1N8	GRENIL DAVQFLQEL NATVHKHHPGVVTI AEESTAWPGVTR GRENLAAVDFMQRL NRAVFKYFPQAL MI AEEST QWPL VTR DVADFIPDFI QFI RQAVKTVSPHAV I I GFVWFDASNKVS
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UniRef90_UPI00037797EC UniRef90_D9XTB3 UniRef90_R6QHK7 UniRef90_UPI0003805FCA	D G L R L D A A D C L D K N F I V C R G I R S D F WI L G E V I H G D Y R K W A D N P H T K P V L F W E R V I G E V N R T D P D V I F L A E A F T R P A M M H T T N I N Y E A V D F L K N L N R T M R S N F E G F L T V A E E S T A F P K V T S G N A N L G A V R F I Q E T N K A V Y G Q H P E M M T I A E E S T T W P K V S Q
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UniRef90_R5PF28 UniRef90_W0DJB4 UniRef90_R9KRF3	GRENLEAIEFLKHTNWKIHSEMAGAISIAEESTSFAGVTH DGLRLDVAYCLDHDFIRRLRAHCDGLKQDFFLLGELLHGD GNENLDAIAFLRELNRTIQSNHPGVLMIAEESTAWPGVSR DNKNLEAIEFFKHINTLILGRNPGTVMIAEESTAWPRVTF GNENLAAIEFFKHLNSVIHGTYPGFMTVAEESTAWPKITF
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UniRef90_Q5NXV7 UniRef90_B3EHZ2 UniRef90_E4SN37 UniRef90_I2GM69	GERVOVMWH MILK DEGER DN PVN PDYGA HMR MMUGELIYLDI
UniRef90_S3ILD9 UniRef90_E3FPE0 UniRef90_I3IAL1	DYTDGPRVHEFLQEMSRDVFKPLSMMTVGEMSSTSLDNCQ GRENEEALTFLRELNDSVRRKHPGVVIAEESTAWPKVSQ
UniRef90_UPI000363E3C8 UniRef90_D5WZS1 UniRef90_UPI0004038248 UniRef90_H8Z2U8	E D R N S P E A P A V N P Y N W Q D H I H D K S Q P E N L E F L K R L R A L L D G R E N L E A L D F L R R M N H T V G V Q R P G A L T L A E E S T A F P G V S R D G F R V D M A D V W T D I R K M M D K D Y P D A A L I S E W C N P Q C A L K Y G N E N L D A I E F L R Q L N T V T H E Q H P G T L M L A E E S T S W P Q V S R K G V N G F R V D A I Q H L I E S D T G L I A N T P E N V E W V R D F T A F V K G N E N L E A L D F L R R M N Q L V Y A E H P G A V T L A E E S T A W P M V S R
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UniRef90_E8NDI4 UniRef90_UPI0003036A97 UniRef90_UPI00037AD9FA UniRef90_Q2PS28	GRENLEAL DFLRRMNQLVTAEHFGAVILAEESTAWHWYSK ISILKRMADEI WERNPDAYVIFEHLSENSEEKVLSDHGIL GRENLEAI RFLQEVNATSYKRYPGIALIAEESTSFPGVTA DGFRIDVVHCPRCMAGESMVQINDQPYSHEVLRGLRRLVD GRENLDAIE FLKGTNETVRAYVPGALSIAEESTAW AYTQGPNLHRYLQEMHEKVFDHYDAVTAGEIFGAPLNQVP GRENLETVAFLRRLNQVIEARVPGAMTIAEESTAW
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UniRef90_W8IBS2 UniRef90_R5NU25 UniRef90_C8W262 UniRef90_S9QQH2	GNENLEAVRELQTMNTEILYGVHKGILTI AEESTS WPKVSH GNENYDAI DLLRKINTVMEERNPGAFLI AEESTA WAGVTA GPENLEAI EFMKKLNLVI FENFPEALMI AEEATH WPMVTY EGLRLDVAEVMDVSFLRDLAAFCRRLRPDF WAIHGDYRRL
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UniRef90_Q9RQI5 UniRef90_I0KAN6 UniRef90_C7IU15 UniRef90_E8R3Y6 UniRef90_J9GFT0	RAITKIAGEKSDYRDRQWQSEHSLSEEEYKRKLCAAIQYT MYQYSENFVLPLSHDEVVHMPGDCWQQFANLRAYYGFMYG VYPAWAYQMQFTQNHDENTWNGTLSESFGAGKAFVVLTST HMDSVNRVMFNLIGSHDTERFLTLANGMVRMKLALVFQFT HGMLTFSLIYAFHENFVDKMPGDLWQKFANVRLLYAYMFA QPWQQPTQMISYVSCHDDMCLADRLKATALHKLAETFVFT
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UniRef90_UPI00035F8A79 UniRef90_E7QVQ6 UniRef90_UPI000414ED9F UniRef90_P21332	LYAFTENFVLPFSHDEVVHMPGDEWQRFANLRLLYTYMWARGVSEQSWNSLFLGNHDQPRMVSRFGDEGRYRMLATYLFTKALEHKGWNSLYLNNHDQPRMVSRFGNDGEYRMLATLLHMKALEHTGWNSLYWNNHDQPRVVSRFGNDGMYRMLATVLHM
UniRef90_UPl000374D22D UniRef90_A0A023UWG4 UniRef90_C8N6L6 UniRef90_I2GL79	RTAGEYGWNAFFLDNHDNPRAVSHFGDDRPQWALATLTLT LYQYSEHFVLPLSHDEVVHGKGSLWQQFANLRAYYGYMWG RFPRWYYQMIJETONHDENTWNGTITESFGPGADAFVVIST
UniRef90_UPI000475479A UniRef90_D3RQ23 UniRef90_U1YYH6 UniRef90_R5RGL2	LY AFTENFILIPESHDEV VH MPGDRWQKFANLRAYFGFMWI LY AFTENFVLPFSHDMLDKMPGDGWQKFASLRLLYTFMFS YGWYAPDPRMRANVGIRRRIIAPILIDNSRKEVEIIAHAILLIS
UniRef90_E5XSX5 UniRef90_F6B9X5 UniRef90_I4D1N8 UniRef90_E0IFF6	MYTFSENFILPLSHDEVVHMPGDYWQKFANLRALYGYMMA YPRENFYAAMNLIGSHDTIRVLTLLGDVQRLKLLSLVQMT IGLEGKGWNSLYLNNHDQPRMLSRFGDMESAKMLATLLHT
UniRef90_UPI0003B2E434 UniRef90_A9BGH1 UniRef90_D4ZH96 UniRef90_C8NF27	HNELTESL WYAFSENFIER MPGDDWQKFANLRLFYSYMYA HNELTESLMYCFSEQFLHKVPGDDWQKFACLRAYFGFMWG YPKPAUFIVIMNI IDSHDTERII ITUFDAURKI KVASFUOFT
UniRef90_D7BEV4 UniRef90_H6R3K3 UniRef90_F8LI42 UniRef90_S0JDQ2 UniRef90_A9KKX3	A RIY A D G Q G W N L I G S H D T P R V L T D L G G G A R L R L A M G L L Y A M Y A W S E N Y V L P I S H D E V V H G K G T L W T R M P G D R A L L A Y M W A E L E L G Q G W N S L F W N N H D L P R I L S M W G D T G V Y R A L A I L L H L T E L G D E G W N S L F W N N H D L P R M L S R W G N D Q E Y R M L A I L L H M K E G N P K Y I D A P F I S N H D T T R I S A Q C N D E D Q M K M S A G M L L T E L D F N H A W N S L F W E N H D I P R V I S R W G N D Q E Y R M F A L I L H L
UniRef90_Q046J1 UniRef90_F8FB12 UniRef90_UPl0003636956 UniRef90_UPl0003F79F0C	E D F N H A WN S L F WE N H D I P R V I S R WG N D Q E Y R M F A I I L H L N G L E N R G WN A L F L E N H D V P R S V S R F A N D K E H K M L A T L Y M L Q V Y Q P I N L M G T I T S S H D Q I R F I S H M S S Y Q K L A N F F A F N F S A A L P P N G W P N W V L G N H D Q V R I A S R V G L A Q A R I A A M L L L T
UniRef90_UPI00037797EC UniRef90_D9XTB3 UniRef90_R6QHK7 UniRef90_UPI0003805FCA	EGLYKHLPLYNFVDNHDVNRISTTLDNPAYLYPLHILLFM GDAASYMRPNFFANTPDILHAYLQHGGRPAFEVRAVLAAT NYILPYSHDEVVHGKMINKMFGFYFOKFGSIKTLYGFMFA
UniRef90_M1MBX2 UniRef90_H5Y3S9 UniRef90_Q4QK67 UniRef90_R5PF28	T Y A F T E N F V L P L S H D E V V H G K G S L W Q K F A N L R A Y Y A F M W A G G I Y K N L C L Y N F V D N H D V N R L A S T L K F P E Y L Y N C Y T L L Y T H Q L L T F S M T Y A F S E N F I N R M P G D Y W Q K F A G L R S L Y G Y W M C V Y Q Y S E N F V L P L S H D E V V H M P G D T W Q K F A N L R A Y Y G Y M W G W T R Y K G K H F L S F V D N H D V T R V A S I L T N K N H L P L I Y A L A F G L Y A Y T E N F V L P F S H D E V V H G K R S L R G R M P Q L R L L Y A Y Q W T
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UniRef90_I2GBA3 UniRef90_D2SEM9 UniRef90_A0LSN9 UniRef90_K0D832 UniRef90_D9ZE62	VYAFTENFMLPLSHDEVYKMPGDEWQQFANLRLLFSYMFTAANSHYMRPNFFVNTPDILHASLQLGGPPVFKIRAVLAAMMYAYSENFIVHGKGSLLHKMPGDRWQQMANLRAYLAFMWAKALAGKAWNSLYWNNHDQPRAVSRFGNDVSAKMLAALLHFWCLYTGRHLLSFLDNHDVSRIATVLTDKAMLRPAYGLLFGWYAFHENFVLPLSHDEVVYGKGSLIGKMPGDRALFGYMWA
UniRef90_Q5NXV7 UniRef90_B3EHZ2 UniRef90_E4SN37 UniRef90_I2GM69	PTNFLRNCLNNIGTHDTVRIKTALQNDEKLVLLAFGLMMILLS
UniRef90_S3ILD9 UniRef90_E3FPE0 UniRef90_I3IAL1 UniRef90_UPI000363E3C8	RGMHNIVAWNALFW <mark>CNHDQPRILVSRFGDETSAKMLAMVLHG</mark> LYAFSENFMLPLSHDEVVHGKGSLYGRMPNLRALLAWMWA LYAFTFNFOLPFSHDMLNKMPGDDWQKFANLRILLYTYMYT
UniRef90_D5WZS1 UniRef90_UPI0004038248 UniRef90_H8Z2U8 UniRef90_D7CX56	E A
UniRef90_H8FRM5 UniRef90_UPI000255D5FE UniRef90_E8NDI4 UniRef90_UPI0003036A97 UniRef90_UPI00037AD9FA	LYAYHENFVLPLSHDEVVHGKGSLIGRMPNLRAYFGFMWM DEERLMYKAQTYGNTSGSYDVKTLENAADRFGMAAVFLMS VYAFSENFILPISHDEVVHGKGSLFGRMPNMRAFLAYMWG RDVQQSAWPTWALSNHDNSRIRSRYGGSARANAAAVMLLS HNEMTFGLVYAFSENMLGKMPGDRWQKFANLRAYYGFMWG
UniRef90_Q2PS28 UniRef90_I3TS78 UniRef90_UPI000468862D UniRef90_UPI0002F0748B	A LA GEYGWNT FFLGNHDNPRAVSHFGDDRPQWALATVTLT VYAWSERYVLPLSHDEVVHGKGSLLGDWQKRANLRAYLAF RVIGDKGHICIPTSNHDFQRPNSRRNSMEQLKTTMTFFLT GPYANPYELATFYDNHDMPRMDASDEGFLD AHNWLFT
UniRef90_W8IBS2 UniRef90_R5NU25 UniRef90_C8W262 UniRef90_S9QQH2	NYVLVISHDEVVHGKGSLIAKMTGDDWQKFANLRAYYGFMWG NYVLVISHDEVVHCSMLNKMPGTEMDKFANLRTAYGFMYG MYAFSENYVLPLSHDEVVHMPGDYWQKFANLRLLYAYMMA GGNYRDNPUYNFWDNHDVNRNASTIKFPAQULIPLHIMIFT
UniRef90_H7FSQ3 UniRef90_N9U1C7 UniRef90_D3DFA3 UniRef90_B8KBX2	NNYDNSQRVVRYISNHDVNDPLELFGGKQGSLAIFIVAAY I LSLSHDEVVHGKHSMLYKMPGDEWQQAANLRAYMGYMYG VLVLSHDEVVYGKGSLINKMPKDWWQKFANLRLLTYMYA
UniRef90_D5MLQ0 UniRef90_A4BF75 UniRef90_I3CK83 UniRef90_M5CHF1	LYAFTENFVLPLSHDEVVHKKGSLWQKFANLRSFYVFMYGVSFNENFVLPLSHDEVVHMPGDEWQQTANLRAYYGFMYGLYAFSENFVLPFSHDEVVHMAGDTWQKFANLRLLYTYLWTKYLLPLSHDEVVHCSMVEKMPGYQVDKYANLRLGYTFMMGTALHNKGWNSLYWNNHDQPRIVSRFGNDGEYRMLASCLHF
UniRef90_W1SP53 UniRef90_B0XJR4	DTVPVGHAPNWVIGNHDRRRVASRMGGDHMADIMAMVELS

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JARRESO LEGATON JARRES		FNGMPLVYNGAESGLNKKLQFFEKDPLIWGNYPE AI FVGUPVVYYGDEVGMVGGYDPDCRRCMIWEEEKONKSUEN
Jinkeldo, Josephon Septono, Se	UniRef90_E8R3Y6	HPGKKILLIFMGNEII IAQWREWSHAESILIDWHILLIEWASHRGIVIQT
JANSON DISCOSTRAPTO DE LA PARTICIPATION DE LA	UniRef90_J9GFT0	S Q G V P F I F A G D F I M R D S Y N S P D S I N T I D W K N K T I H R D V F D
JANSON DISCOSTRAPTO DE LA PARTICIPATION DE LA		LIPGNPYLIYYGEEIIGMLIGQKDEHII REPFVWNVGKHDPDILIFN
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JARREDO POLOSA PARADO POLOSA P	UniRef90_A0A024PIU0	LPGNPFI YYGEELGMTGEKDELLREPFRWAQDKNKNSLLN
JARREDO JP1000414EDDE MK G T P YIL F Q G E E Q M T N V R F E S L D D Y E D E T L IN M Y K E K M E MR800 P 1003374022D JARREDO JANG SY ADOLD		II IR G T P E IVIY O G D E II IG M T
JARREND AGAGESTUNGE JARREND AGAGESTUNGE JARREND JP10004754758 H P G K K L L F M G G E F A O E R E WD A D S S LD WH LL LE N A D H K N FL O B F K N JARREND JP1000475478 H P G K K L L F M G G E F A O E R E WD A D S S LD WH LL LE N A D H K N FL O B F K N JARREND JP1000475478 H P G K K L L F M G G E F A O E R E WD A D S S LD WH LL LE N A D H K N FL O B F K N JARREND JP1000475478 H P G K K L L F M G G E F A O E R E WD A D S S LD WH LL LE N A D H K N FL O B M JARREND JP1000475478 H P G K K L L F M G G E F A O E R E WD A D S S LD WH LL LE N A D H K N FL O B M JARREND JP1000475478 H P G K K L L F M G G E F A O E R E WD A D S S LD WH LL LE N A D H K N FL O B M JARREND JP1000475478 H P G K K L L F M G G E F A O E R E WD A D S S LD WH LL LE N A D H K N FL O B M JARREND JP1000475478 H P G K K L L F M G G E F A O E R E WD A D S S LD W H LL LE N A D H K N FL O M JARREND JP1000475478 H P G K K L L F M G G E F A O E R E WD A D N JARREND JP1000476478 H P G K K L L F M G G E F A O E R E WD Y D D JARREND JP1000476478 H P G K K L L F M G G E F A O E R E WD Y D D JARREND JP1000476478 H P G K K L L F M G G E F A O E R E WD Y D D JARREND JP1000476478 H P G K K L L F M G G E F A O E R E WD Y D JARREND JP1000476478 H P G K K L L F M G G E F A O E F E WD Y D JARREND JP1000476478 H P G K K L L F M G G E F A O E F E WD Y D JARREND JP1000476478 H P G K K L L F M G G E F A O E F E WD Y D JARREND JP1000476478 H P G K K L L F M G G E F A O E F E WD Y D JARREND JP1000476478 H P G K K L L F M G G E F A O E F E WD Y D JARREND JP1000476478 H P G K K L L F M G G E F A O E F E WD Y D JARREND JP1000476478 H P G K K L L F M G G E F A O E F E WD Y D JARREND JP1000476478 H P G K K L L F M G G E F G O F F E W J D JARREND JP1000476478 H P G K K L L F M G G E F G O F F E W J D JARREND JP1000476478 H P G K K L L F M G G E F G O F F E W J D JARREND JP1000476478 H P G K K L L F M G G E F G O F F E W J D JARREND JP1000476478 H P G K K L L F M G G E F G O F F E W J D JARREND JP1000476478 H P G K K L L F M G G E F G O F F E W J D JARR	UniRef90_UPI000414ED9F	MKGTPYI FQGEEI GMT NVRFESI DDY EDIETLNMYKEKRE
JARRED J. AGAGZ. J. W. J. W. W. Y. G. S. E. D. W. H. L. J. P. P. W. W. E. G. V. D. S. E. J. W. H. L. J. P. P. W. W. E. G. V. D. S. E. J. J. W. H. L. J. P. P. W. W. E. G. V. D. S. E. J. J. W. H. L. J. P. P. W. W. E. G. V. D. S. E. J. J. W. H. L. J. P. P. W. W. E. G. V. P. S. J. J. W. H. L. J. P. P. W. W. E. G. V. P. S. J. J. W. H. L. J. P. P. W. W. E. G. V. P. S. J. J. W. H. L. J. P. P. W. W. E. G. V. P. S. J. J. W. H. L. J. P. P. W. W. E. G. P. F. K. J. H. J. W. G. W. E. A. J. W. R. P. J. P. G. W. K. L. J. F. W. G. W. E. P. J. W. G. W. E. A. J. W. R. P. J. P. G. W. K. L. J. F. W. G. W. E. P. J. W. G. W. E. A. J. W. J		MKGIPYIIYQGEEIIGMTNVRFESIIDEYRDIIETLNMYKEVME SEGIIPMIIYNGQEAYNEKMIIEEEERDPIIEW REHEIISD
Junkergo 19000475479A	UniRef90_A0A023UWG4	Q R A T P F Y Q G S E L G M T N Y
Junkergo Deponsor Septiment	UniRef90_C8N6L6	Y P G K K L L F M G G E F A Q G R E WN Y Q E S L D WH L L A P E WH E G V Q R
Jinkergo (Jest Carlot) Jinker	UniRef90_12GL79 UniRef90_UPI000475479A	HPGKKLLFMGGEFAQEREWDADSSLDWHLLENADHKNIQN
Junkergo B68612 Junkergo B68632 Junkergo B68636 Junker	UniRef90_D3RQ23	Y P G K K L L F Q G C E F A Q G K E WN F A S Q L D WE L M E R P P H Q G V H K
Junkel90		HPGKKLIEMGOEEAOUHEWAENRAIDWEDIOOEPHROMKE
Junkel90	UniRef90_E5XSX5	HPGKKLLFMGQEFGQSAEWSADKELDWWQLDGWEHRGILA
Jinkergo Deptod	UniRef90_F6B9X5	H P G <u>K</u> K <u>L</u> L F M G G E F G Q F <u> I</u> E W Q Y D Q S <u>L </u> D W H <u>L L </u> D Y D M H R K L H R
Junkergo	UniRef90_E0IFF6	LQGTPYI YQGEELGMTNVKFNSISEYKDIIETLNMYEEHLA
Jimes Jime	UniRef90_UPI0003B2E434	LWG VYSGFELALPGKEEYLDSEKYQLKAWDWLRPLTQ
Jimesego Jimesego	UniRef90_A9BGH1 UniRef90_D4ZH96	HPGKKLLFMGSELIAQKKEWDUSNSLDWHLLIQYEPHKKIQL
JARREYS JARREY	UniRef90_C8NF27	II P GIVIP SILIY Y G D EILIG M O G E R D P Y N R K L E D K L K M N O EILIE E
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Jurice190 (2016) Jurice190 (2046) Jurice190 (2	UniRef90_F8LI42	MRGTPYII IY QGEEII IGMTNYPFRTILIEEILINDII IESILINYAKEAILIE
Junkel90, Qo46-J1 Junkel90, Qo4	UniRef90_S0JDQ2	MKGTPYII YQGEE I GM V NTP I TD I SQAED I ET I N L YHER L A
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Jurikerson Diption 1979 Technic 1979 All I Y Y G S E WGEL D G K KULD G K D D P K Y QLIR P.E E T S L.H R D LU Y N D Jurikerson 2079 TECHNIC 1979 All Y Y G S E E WGEL D G K KULD G K K D D P K Y QLIR P.E E T S L.H R D D UD T A D F N D Jurikerson 2079 All P S K K L L F M G D D F A Q F V B S K Y QLIR P.E E T S L.H R D D UD T A K T M D D Jurikerson 2079 All P G K K L L F M G D D F A Q F V B S W S E A R A L D WFL L D Y N T H K T G V R A R A L D W H L D Y N T H K T G V R A R A L D W H L D Y N T H K T G V R A R A L D W H L D Y N T H K T G V R A R A L D W H L D Y N T H K T G V R A R A L D W H K T G V R A L D W H T G T G V R A L D W H T G T G T G T G T G T G T G T G T G T		I P GI_PV V Y Y G E E I GLA GAGD P D N R R P M R F G K NL N M G E L S E L R G T P T I Y Y G D E I G M H D V P I P F F R T P M O W S F Y R R R I S M I N
Jurikefon Dokthas Jurikefon Dokthas Jurikefon Cholkty Jurikefon UP10003805FCA Jurikefon UP10003805FCA Jurikefon UP10003805FCA Jurikefon UP10003805FCA Jurikefon UP10003805FCA Jurikefon UP10003805FCA Jurikefon UP10003805FCA Jurikefon UP1003805FCA Jurikefon UP10	UniRef90_UPI00037797EC	MPGIVIPAILIYYGSEWGILIDGKKIVIDGKDDPILIRPEETSILIHRDILVIN
JURIGE90 JUPI0003805FCA JURIGE90 HIMBX2 JURIGE90 HSY3S9 HP G K K L L F M G G E F A Q W S E W S E A R A L D W N L L D Y N T H E G V R R JURIGE90 HSY3S9 HP G K K L L F M G G E F A Q F L R W N E S A E L L D W N L L E E D D S N E K L F E JURIGE90 RSPF28 JURIGE90 RSPF28 JURIGE90 RSPF28 JURIGE90 RSPF28 JURIGE90 RSPF38 JURI	UniRef90_D9XTB3	LISPT WGII Y S G Y ELLICR D G S E E Y LL D S E K Y Q L R H R D W D R T LL A P
Jurikef90 AdVA(R67 Jurikef90 CAVA(R67) JURIKEF90	UniRef90_UPI0003805FCA	YPGKKLLFMGQEFAQWSEWSEARALDWNLLDYNTHEGVRR
JURIKEY9D_VENDAGE7408 H P G K K L L F M G Q E F G Q G L R E WS E S K E L D W Y L Q Y P L H Q G M I T J J J J J J J J J J J J J J J J J J	UniRef90_M1MBX2	MPGVPSVYYGSEYGUKGGTDLPLRPELITLEEDDSNEKLFE
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Junkergo	UniRef90_W0DJB4 UniRef90_R9KRF3	Y P G K K L L F M G Q E F G Q G T E W S E S R E L D W Y V L Q Y P L H Q G M T T H P G K K L L F M G Q F F G Q L R F W S F F R F L D W F L L A F P F H L O L O T
Junkergo	UniRef90_UPI0003B2F408	HAGKKLLFMGQEFGQKREWSEKRELDWGLLAEPLHRGMKD
Jurike190	UniRef90_R6M1X9	ILIY GII IP SII IY Y G S E F AII IE G G S D WNILIR P <mark>C</mark> ILIEILID D F K E N N AII II K
Jurike190	UniRef90_I2GBA3 UniRef90_D2SEM9	MSPT WGVY SGFELEYLDSEKYQLRPRDWAAAESSGRSLVP
Jurikef90	UniRef90_A0LSN9	HPGKQLLFMGGEFAQDNEWSEERSLDWWLLQYREHSSVQQ
Jurikef90	UniRef90_K0D832 UniRef90_D9ZE62	MQGIPYIIYQGEELLGMINANFQKLLSQYSDLLESLINAYHELVE MPGVPAVYYGSEWGLLEGDKKNGDATLIRPAIIFKPOFNFIITF
Dirikef90_E4SN37	UniRef90_Q5NXV7	HPGKK LL FMGGEFGQRREWTHEGE L EWW VL DRPEHAG L RH
Juirkef90		L P G V P C I Y Y G D E I I G M G D G D R D G V R I P M Q W N Q E S N T N S L L W L P G V P C I Y Y G D E A G L I G D K D P D N R R F F P W G R F S R S I I A
Juirkef90	UniRef90_I2GM69	LRGTPTI YYGDEI CMRDVPIPFERTPMQWDGSPNDLS MLT
Junikef90_UP1000363E3C8	UniRef90_S3ILD9	MQGTPYII YQGEELLGMTNPHFSRILDEYRDVESLINMYAEL RS
Junikef90_UP1000363E3C8	UniRef90_I3IAL1	YPGTKLLFMGCEFGQWSEWAAGRSLEWHLMDFAPHQGLHG
Junikef90	UniRef90_UPI000363E3C8	LRGSVCLYQGEELGLTEKGRDGCRTPMVWESNGAHAGVLA
Junikef90	UniRef90_UPI0004038248	MPGVPFLYYGDE I GMKGFQRTGSRSPMQWDKNEKNDSIIYH
JniRef90	UniRef90_H8Z2U8	Y P G K K L L F Q G C E F A Q G Q E WN F D E A L D WY L L E R Q P H L G I K Q
Drikef90_UP10003036A97		OPGKKLLFMGGEFAQFRFWNVDSSIDWHI IDSPRHRGVSR
Drikef90_UP10003036A97	UniRef90_UPI000255D5FE	PGPKMI WQFGEMGYDDSDDGGRPKWEYLDDPDREDLWR
JniRef90_R5NU25 H P G K K L L F M G Q E F G Q L R E W S E A R S L D W F L L D Q P L H K K M Q K JniRef90_C8W262 JniRef90_S9QQH2 JniRef90_S9QQH2 I P G V P S I Y Y G S E W G Q Q G G D D S P L R P A L V W P E A L Q R A S L V R JniRef90_N9U1C7 M K S V P M I Y N G Q E I G Y D K S K F F T R T P I D W T T A D A S M L A JniRef90_N9U1C7 H P G K K L N F M G T E L A Q G N E W N H D A Q L A W H L L Q Y P K H A G Q Q A JniRef90_B8KBX2 H P G K K L L F M G G E F G Q W D E W N H D R G L D W F L L E H S T H R G V Q K JniRef90_D5MLQ0 H P G K K L L F M G G E F G Q W R E W D H D Q S L D W H L L A E P H H Q G L Q R JniRef90_A4BF75 H P G K K L L F M G G E F G Q W R E W D H D Q S L D W H L L A E P H H Q G L Q R JniRef90_B13CK83 Y S G K K L L F M G Q E F G Q E R E W S E S R A L D W E L L N P Y H Q G L Q T JniRef90_W1SP53 H S G K K L L F M G Q E F G Q E R E W S E S R A L D W F L L Q N D L N A G M Q R JniRef90_W1SP53 H S G K K L L F M G Q E F G Q E R E W S E S R A L D W F L L Q N D L N A G M Q R	UniRef90_E8NDI4	HPGKQLLFMGQEFGQMSEWSEGRGLDWWMLDQPSHAQLHD
JniRef90_R5NU25 H P G K K L L F M G Q E F G Q L R E W S E A R S L D W F L L D Q P L H K K M Q K JniRef90_C8W262 H P G K K L L F M G Q E F G Q F L E W S Y K E S L D W H L L V Y E M H G K L H S JniRef90_S9QQH2 L P G V P S I Y Y G S E W G Q Q G G D D S P L R P A L V W P E A L Q R A S L V R JniRef90_N9U1C7 M K S V P M L Y N G Q E I G Y D K S L K F F T R T P L D W T T A D A S M L A JniRef90_D3DFA3 H P G K K L N F M G T E L A Q G N E W N H D A Q L A W H L L Q Y P K H A G Q Q A JniRef90_B8KBX2 H P G K K L L F M G G E F G Q W D E W N H D R G L D W F L L E H S T H R G V Q K JniRef90_D5MLQ0 H P G K K L L F M G G E F G Q W R E W D H D Q S L D W H L L A E P H H Q G L Q R JniRef90_A4BF75 H P G K K L N F M G N E F A Q G I E W N H Q A Q L D W Y L L Q F E R H R G L Q N JniRef90_B3CK83 Y S G K K L L F M G Q E F G Q E R E W S E S R A L D W E L L N D P Y H Q G L Q T JniRef90_W1SP53 H S G K K L L F M G Q E F G Q E R E W S E S R A L D W F L L N D N A G M Q R	UniRef90_UPI00037AD9FA	HPGKKLLFMGSEFGQEKEWNHDQSLDWHLLQDHHHEGVRR
JniRef90_R5NU25 H P G K K L L F M G Q E F G Q L R E W S E A R S L D W F L L D Q P L H K K M Q K JniRef90_C8W262 JniRef90_S9QQH2 JniRef90_S9QQH2 I P G V P S I Y Y G S E W G Q Q G G D D S P L R P A L V W P E A L Q R A S L V R JniRef90_N9U1C7 M K S V P M I Y N G Q E I G Y D K S K F F T R T P I D W T T A D A S M L A JniRef90_N9U1C7 H P G K K L N F M G T E L A Q G N E W N H D A Q L A W H L L Q Y P K H A G Q Q A JniRef90_B8KBX2 H P G K K L L F M G G E F G Q W D E W N H D R G L D W F L L E H S T H R G V Q K JniRef90_D5MLQ0 H P G K K L L F M G G E F G Q W R E W D H D Q S L D W H L L A E P H H Q G L Q R JniRef90_A4BF75 H P G K K L L F M G G E F G Q W R E W D H D Q S L D W H L L A E P H H Q G L Q R JniRef90_B13CK83 Y S G K K L L F M G Q E F G Q E R E W S E S R A L D W E L L N P Y H Q G L Q T JniRef90_W1SP53 H S G K K L L F M G Q E F G Q E R E W S E S R A L D W F L L Q N D L N A G M Q R JniRef90_W1SP53 H S G K K L L F M G Q E F G Q E R E W S E S R A L D W F L L Q N D L N A G M Q R	UniRef90_Q2PS28	QRGTPFIFQGDELGMTNYPFKTLQDFDDIE
JniRef90_R5NU25 H P G K K L L F M G Q E F G Q L R E W S E A R S L D W F L L D Q P L H K K M Q K JniRef90_C8W262 H P G K K L L F M G Q E F G Q F L E W S Y K E S L D W H L L V Y E M H G K L H S JniRef90_S9QQH2 L P G V P S I Y Y G S E W G Q Q G G D D S P L R P A L V W P E A L Q R A S L V R JniRef90_N9U1C7 M K S V P M L Y N G Q E I G Y D K S L K F F T R T P L D W T T A D A S M L A JniRef90_D3DFA3 H P G K K L N F M G T E L A Q G N E W N H D A Q L A W H L L Q Y P K H A G Q Q A JniRef90_B8KBX2 H P G K K L L F M G G E F G Q W D E W N H D R G L D W F L L E H S T H R G V Q K JniRef90_D5MLQ0 H P G K K L L F M G G E F G Q W R E W D H D Q S L D W H L L A E P H H Q G L Q R JniRef90_A4BF75 H P G K K L N F M G N E F A Q G I E W N H Q A Q L D W Y L L Q F E R H R G L Q N JniRef90_B3CK83 Y S G K K L L F M G Q E F G Q E R E W S E S R A L D W E L L N D P Y H Q G L Q T JniRef90_W1SP53 H S G K K L L F M G Q E F G Q E R E W S E S R A L D W F L L N D N A G M Q R	UniRef90_I31S78 UniRef90_UPI000468862D	LPGVPLIYYGDEIGMSKGNRAGSRTPMOWDQENDPHSIIN
JniRef90_R5NU25 H P G K K L L F M G Q E F G Q L R E W S E A R S L D W F L L D Q P L H K K M Q K JniRef90_C8W262 H P G K K L L F M G Q E F G Q F L E W S Y K E S L D W H L L V Y E M H G K L H S JniRef90_S9QQH2 L P G V P S I Y Y G S E W G Q Q G G D D S P L R P A L V W P E A L Q R A S L V R JniRef90_N9U1C7 M K S V P M L Y N G Q E I G Y D K S L K F F T R T P L D W T T A D A S M L A JniRef90_D3DFA3 H P G K K L N F M G T E L A Q G N E W N H D A Q L A W H L L Q Y P K H A G Q Q A JniRef90_B8KBX2 H P G K K L L F M G G E F G Q W D E W N H D R G L D W F L L E H S T H R G V Q K JniRef90_D5MLQ0 H P G K K L L F M G G E F G Q W R E W D H D Q S L D W H L L A E P H H Q G L Q R JniRef90_A4BF75 H P G K K L N F M G N E F A Q G I E W N H Q A Q L D W Y L L Q F E R H R G L Q N JniRef90_B3CK83 Y S G K K L L F M G Q E F G Q E R E W S E S R A L D W E L L N D P Y H Q G L Q T JniRef90_W1SP53 H S G K K L L F M G Q E F G Q E R E W S E S R A L D W F L L N D N A G M Q R	UniRef90_UPI0002F0748B	ARGLPVVYYGSETGFMRGQGEHGGNRAŸYGVENIQHPLHA
Drikef90_S9QQH2	UniRef90_W8IBS2	Y P G K K IL I F M G Q E F A Q W R E W S E E R A IL ID W N L L E Y H L H E G M R R
Drikef90_SPQQH2	UniRef90_C8W262	HPGKKLLFMGGEFGQFIEWSYKESLDWHLLVYEMHGKLHS
JniRef90_B8KBX2	UniRef90_S9QQH2	II P GIVP SILIY Y G S E W G O O G G D D S PILIR P AIL VIWP E AILIO R A SIL VIR
JniRef90_B8KBX2	UniRef90_H/FSQ3 UniRef90_N9U1C7	HPGKKLNFMGTELAQGNEWNHDAQLAWHLLQYPKHAGQQA
JniRef90_B8KBX2 M K G T P Y I Y Q G E E I G M I N N G R D N A R T P M H W N S D N D K E S I F Y JniRef90_D5MLQ0 H P G K K L L F M G G E F G Q W R E W D H D Q S L D W H L L A E P H H Q G L Q R JniRef90_A4BF75 H P G K K L N F M G N E F A Q G L E W N H Q A Q L D W Y L L Q F E R H R G L Q N JniRef90_I3CK83 Y S G K K L L F M G C E F A Q G R E W S E S R A L D W E L L N L P Y H Q G L Q T JniRef90_R5CHF1 H S G K K L L F M G Q E F G Q E R E W S E A R E L D W F L L Q N D L N A G M Q R JniRef90_W1SP53 M Q G T P Y I Y Q G E E I G M T N V K F E S L E D Y R D L E T I N M Y N E R K A	UniRef90_D3DFA3	HPGKKLLFMGGEFGQWDEWNHDRGLDWFLLEHSTHRGVQK
JNIRE190_A4BF75 HPGKKLNFMGNEFAQGILEWNHQAQLDWYLLQFERHRGLQN JNIRE190_I3CK83 YSGKKLLFMGCEFAQGREWSESRALDWELLNLPYHQGLQT JNIRE190_R5CHF1 HSGKKLLFMGQEFGQEREWSEARELDWFLLQNDLNAGMQR JNIRE190_W1SP53 MQGTPYILYQGEEIGMTNVKFESLEDYRDIETINMYNERKA	UniRef90_B8KBX2 UniRef90_D5MLQ0	MKGIPYIIYQGEELIGMTNNGRDNARTPMHWNSDNDKESIIFY
UNIRET90_W1SP53 MQGPYILYQGEE IGMINVKFES LEDYRDILEILINMYNERKA	UniRef90_A4BF75	HPGKKLNFMGNEFAQGDEWNHQAQLDWYLLQFERHRGLQN
UNIRET90_W1SP53 MQGPYILYQGEE IGMINVKFES LEDYRDILEILINMYNERKA	UniRef90_I3CK83	Y S G K K L L F M G C E F A Q G R E W S E S R A L D W E L L N L P Y H Q G L Q T
		MQGTPYIIYQGEEIIGMTNVKFESLEDYRDIIFTIINMYNFRKA
UniRef90_B0XJR4 MPGVSVIIYQGDEL_IGM	UniRef90_B0XJR4	MP GVSVT Y Q G D ELG M

June 2016 June		370 380 390 400
JURREND GORNOLE V V R D LIMIT V T A H A PL V H O F E V M L V D D S D B V F V F R R R O F N M M M M M M M M M M M M M M M M M M	UniRef90_L7EPC5	LI HNLSN RRGSKALEEGKYTQIKL NEQFAYARTIE
JURGESO CHUISE	UniRef90_Q9RQI5	YVRDLNHIYTAHAPLYEGFEWLVADDSDNSVFVFERRDRA
June June	UniRef90_I0KAN6	FYKSL TILKHRNRAL WNGEAGLKLPTGRDEQVYAFFRQRD
June June		L VR DL N RL Y R SL P AL H E R G F E WL E L H D A D N S V L A F L R R D P
June June	UniRef90_J9GFT0	YVKGLTAMRQAHPAFRLGDAELVRQHLDGSNVVAFQLKGQ
JURRESPO ADADZAPUDO ADAZAPUDO ADAZAP		HYKRIL I IGERNSH PIVLIND NILISRII IEILISGII IRQAGIL VIA FIVIRRSQ
JURIAGES DE PRODOSTADEZO JURIAGES DE PRODOS	UniRef90_Q1Q1D9	WVK DLNRFYRNEPVLEYTGFEWVDFHDLDRNTISFLRKGK
JURIAGES DE PRODOSTADEZO JURIAGES DE PRODOS		HYRELLIRVRQDHVELEKGNLEPLN LATSQVIAYSRNYQ
Junkerson Prizoso Pr	UniRef90_E7QVQ6	IL VIS T F D QII IR E AIVID F WS R D N A R T P II IP WS D E R N A G F T D
Junkerson Junk	UniRef90_UPI000414ED9F	Q G V P H K T I ME G I Y V K G R D N A R T P V Q W N S D K H A G F T T
JURINGRONG CORNEGE	UniRef90_UPI000374D22D	LFKRLISLKKENTALHNGAAGARMIHDNPKQLFAFRRGDK
Junkergo Juny Junkergo Ju	UniRef90_A0A023UWG4	
Junkerson Junk	UniRef90_I2GL79	T L T L K H R N R A L W N G T A G G R A V K I P T D H D D K I Y A F Y R Q K
Junkel90	UniRef90_UPI000475479A	IL VIR DIL IN RIL IY R D T P A IL IH R G F Q WIVID G G A S Q D NII I IS F IL IR K G GIVI
Junkel90		WV H G MIL K V R R R H K A F G T G D F V A L E C D N E SIL LA F L R R T P
JUNINGROUD-1893/S VI K DIL N H E Y R O Q P A L WE H D P S WILL D P H D Y S Q S V L T F M K S S J MINGROUD-1893/S JUNINGROUD-1893/S JUNINGROUD-1	UniRef90_R5RGL2	FVKTLLHLYKEYPALHSEGFEWLNCVEWDKSMVSFMRKTP
Unicagio Delificacione del Junicagio Delificacio Delif		Y T K DIL IN H F Y R Q Q P A IL IWE H D F S WII ID P H D Y S Q S IV I IT F M R K S S
Unicegon ABBCH1	UniRef90_I4D1N8	WYRRII LIRWRQEYETILIMMGDFRSFYFAPD II IFGFTRSIVID
Unicegon ABBCH1		A GE DI I GI I MN A LIYVK G K D N G K I P M Q W D G S E H A G F T T T E T T A L N R I R R E N P A L H S Q R G L E F H T A T N D Q I T Y F F K A T F D
Unice190 C8NE27	UniRef90_A9BGH1	F L K D L N I L Y K N H P A L R Y E G F E W I D F N D A D N S V I S F I R K S E
Unikergo H6R3K3		WV K DIL N HIL Y L S Q P S L R A D K F Q WL D C D N H Q A S V F S F I R Y G E H Y I S I T K F R N D Y K F F F K G D F K V I Y C O D G C I I Y O R
Unikergo Fell42	UniRef90_D7BEV4	FYQRLGKVRAGLAALQGPAF RAYAGEGAVLAFLRGEP
Uniker90 SOLDQ2	UniRef90_H6R3K3 UniRef90_F8LI42	V VIK DIL IN AIV Y R A R P AIL IWS G G H S WILLE A D D R E H N V L A F L R Y G S K G A S IL E V L M D O I R O V G R D N A R T P M O W D T S K N A G F
Unikergo ApkKx3	UniRef90_S0JDQ2	EGYTEADII LITSII IN AKGRDNARRPII IAWDASENGGF TT
Uniter900		YYKRAVRI RNENPELARGDMSVIEELCTKD LSALKKVYQ
UniRefo Upi0003779F0C	UniRef90_F8FB12	F G W S F F K I I I A A IV F A O G R D N A R T P M O W D A S A N A G F T T
Unince90	UniRef90_UPI0003636956	KVT SILIT NILIR K E Y S AIL ISIVIG D Y Y SIVIFILID G PIVIWA Y ILIKIVIY F D
JURINESSO JURSONSOSCA JURINESSO JURSONSOSCA	UniRef90_UPI00037797EC	V K A A RKSEES RYGSYSE E V DHOOESE REYE
UNIRGE90 SEPF28 UNIRGE90 SEPF2	UniRef90_D9XTB3	LITRLNTI RRAHPALHR LRNLRFHRTDNDSVIAYSKRSG
UNIRGE90 SEPF28 UNIRGE90 SEPF2	UniRef90_UPI0003805FCA	LVRDLNFTYRAKPALHARDFEWTIVDDHDNSVFAWQRKAP
UNIRGE90 SEPF28 UNIRGE90 SEPF2	UniRef90_M1MBX2	LIKKLGQIRTESKALKYGNYEQVIVI KNEQFVFTRTSD
UniRef90_P8IKRF3	UniRef90_Q4QK67	II VIK DII IN DII IY D K N R PII IP E G E D WII V VID D A A N SIVIE A E E R R S S N
UniRef90_P8IKRF3		WISKLAEAKKHSEALNYGGF RSVVLTNHQ <mark>C</mark> IFERRSEH
UNIREGO DESEMO UNIREGO DESEMO UNIREGO DESEMO UNIREGO DESEMO UNIREGO DESEMO UNIREGO MORSO U	UniRef90_R9KRF3	YVKDLLHI YTKYPAMYQDNFEWI NADDNFRSLFSFVRKSA
UNIREGO DESEMO UNIREGO DESEMO UNIREGO DESEMO UNIREGO DESEMO UNIREGO DESEMO UNIREGO MORSO U	UniRef90_UPI0003B2F408	YVAELLKLYNKYPALHEGGFEWINADDSDRSTFSFVRSDG
UniRef90	UniRef90_I2GBA3	CVKALNHLYRIEPALSS <u>E</u> GF <u>EWI</u> DI <u>I</u> DRIN <u>S</u> V <u>L</u> IYARKGP
UniRef90_ D9ZE62		YL R RIL N E I R R A H P A L Q QL R T L R F H S V D N P N L I C F T K T D P G
UniRef90_E4SN37 QV S K WI N V R K Q N P V L V K S K I G F L H Q V N N P K V L I F T R T F E UniRef90_I3GM69 UniRef90_E3FPE0 UniRef90_E3FPE0 UniRef90_B3FPE0 UniRef90_D13IAL1 UV R D L N A I V R R D P A L V R G F Q W V Q D D S A A S N V F S F I R R R T P P A I D R D S S Q S V L A Y E R G S E UniRef90_D4SW251 UniRef90_D5WZ51 UniRef90_D5WZ51 UniRef90_D7CX56 UniRef90_D7CX56 UniRef90_D7CX56 UniRef90_UP1000255D5FE UniRef90_UP100037AD9FA UniRef90_UP100037AD9FA UniRef90_UP1000488862D UniRef90_UP1000488862D UniRef90_UP10000488862D UniRef90_UP10000488862D UniRef90_UP10000488862D UniRef90_UP10000488862D UniRef90_C8W262 VV A D L N R L Y A H E P A L H A G G F Q W V Q G D A A N S V F A W R R T G UniRef90_UP10000488862D UNIREf90_UP10000488862D UNIREf90_UP10000488862D UNIREf90_UP10000488862D UNIREf90_UP10000488862D UNIREf90_UP10000488862D UNIREf90_UP1000488862D UNIREf90_UP100488862D UNIREf90_UP100488862D U	UniRef90_K0D832	QAHLLNDMMRYLRARSRDNSRTPMQWDNTNHAGF SD
UniRef90_E4SN37 QV S K WI N V R K Q N P V L V K S K I G F L H Q V N N P K V L I F T R T F E UniRef90_I3GM69 UniRef90_E3FPE0 UniRef90_E3FPE0 UniRef90_B3FPE0 UniRef90_D13IAL1 UV R D L N A I V R R D P A L V R G F Q W V Q D D S A A S N V F S F I R R R T P P A I D R D S S Q S V L A Y E R G S E UniRef90_D4SW251 UniRef90_D5WZ51 UniRef90_D5WZ51 UniRef90_D7CX56 UniRef90_D7CX56 UniRef90_D7CX56 UniRef90_UP1000255D5FE UniRef90_UP100037AD9FA UniRef90_UP100037AD9FA UniRef90_UP1000488862D UniRef90_UP1000488862D UniRef90_UP10000488862D UniRef90_UP10000488862D UniRef90_UP10000488862D UniRef90_UP10000488862D UniRef90_C8W262 VV A D L N R L Y A H E P A L H A G G F Q W V Q G D A A N S V F A W R R T G UniRef90_UP10000488862D UNIREf90_UP10000488862D UNIREf90_UP10000488862D UNIREf90_UP10000488862D UNIREf90_UP10000488862D UNIREf90_UP10000488862D UNIREf90_UP1000488862D UNIREf90_UP100488862D UNIREf90_UP100488862D U		WI SALIAKARAESPAL RWG SYHNVMVQPRQL I JFERRVDG WVGDI NRI YRERAAI HEGEOWIDSDDSENSVI SEI RKSRN
UniRef90_E3FPE0 UniRef90_E3FPE0 UniRef90_UPI000363E3C8 UniRef90_D5WZS1 UniRef90_UPI0004038248 UniRef90_DFWZS1 UniRef90_UPI0004038248 UniRef90_DFWZS1 UniRef90_UPI0004038248 UniRef90_DFWZS1 UniRef90_UPI000250556 UniRef90_B8FRM5 UniRef90_UPI00025055FE UniRef90_UPI000336A97 UNIREf90_UPI000336A97 UNIREf90_UPI000336A97 UNIREf90_UPI000336A97 UNIREf90_UPI00025055FE UniRef90_UPI00025055FE UniRef90_UPI00025055FE UniRef90_UPI000268862D UniRef90_UPI00025055FE UniRef90_UPI00025055FE UniRef90_UPI00025055FE UniRef90_UPI00025055FE UniRef90_UPI00025055FE UniRef90_UPI00025055FE UniRef90_UPI0003036A97 UNIREf9	UniRef90_B3EHZ2	WMRHAI ATARRYKSLSRGSTEFLQV NNPKVLIFTRTFE
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UniRef90_A4BF75 LFRDLNRLHRDEPALHERDFRWINHEDSQNCVFSFVJRTDN UniRef90_R5CH81 UniRef90_R5CH81 YFAELLKIYRKYPCMYEDGFEWINADDKDRSIJYSFFRDSD UniRef90_W1SP53 LGYPHEELMASIJYVKGRDNARTPMQWDDSEH	UniRef90_B8KBX2	HYKQL JALRKSHPVI VYGDF JIPLLENDPQVFAYERKDS
UniRef90_I3CK83 L_VKDLNHLYCQSPALHRQGFAWIDCHDSAQSVLAYKRCAG UniRef90_R5CHF1 YFAELLKIYRKYPCMYEDGFEWLNADDKDRSLYSFFRDSD UniRef90_W1SP53 LGYPHEELMASLYVKGRDNARTPMQWDDSEH	UniRef90_D5MLQ0 UniRef90_A4BF75	IL VIR DIL IN QIL IY R CQS AIL HEHGFEWI DCHDWQGSI VIS FIL RRNP
UniRef90_W1SP53 L_GYPHEELMASLYVKGRDNARTPMQWDDSEH	UniRef90_I3CK83	L V K D L N H L Y <mark>C</mark> Q S P A L H R Q G F A W I D <mark>C</mark> H D S A Q S V I A Y K R <mark>C</mark> A G
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UniRef90_D7CX56 UniRef90_H8FRM5	GEKILCAFNLAGS GVRFALPAG GSRFVVLCNFTPTPRHDYRIGVPQGG RWEALINTD LLLAVNPGGEEVRVNTSDFEGNIMDIVAGKLIYGIG DQKQIVAFNFTPVPRENYRIGVSRAGF YREAINSD QETLFVLANLGAEPQELDLRALTGLETATELLSEALPGS HDCIVVVGSFTPVVREGYRIGVPESGFYREILNTDWYGGS
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UniRef90_B3PD37 UniRef90_UPI00026294D2 UniRef90_UPI0004661131	D T E G L T S K L D Y L Q A L G V S A I W V T P L A D N N A G T E G G Y H G Y D L D G L L E R L D H I A S L G A D T V Y L T P I F P A G S V H T L A T A A S A L P R I A E M G F D V V Y L P P I H P L G K V H R K G R N N S A
11 15 100 100 100	
UniRef90_A6LVV1 UniRef90_E0PCT5	DENGVĪEKLDYLKNĒGIDVI WLTPFYPSPQVDNGY DUKGUQEKUPYLEKUGUDVI WLSPMYPSPGVDNGY
UniRef90_G7M061 UniRef90_F8FEA2	DLKGVTSKLDYIKSLGVDVIWLNPVYKSPNCDNGYDISDY DLQGIVSRLDYLQELGVDVVWLSPVYQSPNDDNGYDISDY
UniRef90_R7N8J9 UniRef90_UPI00036C4EA8	T F E G I V E K I P Y L K Q L G I T A V E L M P C Y E F D E A K I K P L Y S D H T F D A V R E D L P R I R E M G V R L L W L M P I H P I G E K N R K G P L G S
UniRef90_C2EM23 UniRef90_UPI0002FF5349	NIL IA GII IR Q K II IP Y IL IK K IL IG W T T II Y IL IN PIL FIL IA IL S DLE G V I R K IL D Y II H D L G A D V I W L IN P C F G S P D V D N G Y D L A D Y
UniRef90_UPI0003B64D64 UniRef90_R1F1H2	WCELAELSYVTEMGYTHLELLPVSEHPFSGSWGYQPVG
UniRef90_R6YHK2 UniRef90_UPI0004651D4D	TYRELAEKADYUKKMGYIHVELMPVMEHPLDASWGYQVIG DLNGIRQRLDYLKLLGIDVIWLSPICKSPNDNGYDISDY
UniRef90_UPI00037E3DFE UniRef90_S3AQN1 UniRef90_E8LKQ6	TYDELVDELVKYVKEMGYTHIELLPIMEHPYDGSWG
UniRef90_E8LKQ6 UniRef90_W0EBZ4 UniRef90_U7GCX8	A ELI PYVKELGYTHLELL PI MEHPFOGSWG
UniRef90_U7GCX8 UniRef90_UPI00047E1F6A UniRef90_H2JSL0	DLIQGVIEKL DYIKELGIDVIWISPITQFRKGRNNTL DINGVIEKL DYLKNLGIDVIWLTPFYPSPQVDNGYDISDY DIKGVIEKL DYLKNLGIDVIWLTPFYPSPQVDNGY DIKGVIEKL DYLKSLGVDVIWLSPVGDNGYDISDY DLKGVISKL DYLKSLGVDVIWLSPVYKSPNCDNGYDISDY TFEGIVEKIPYLEKLGIDVLWISPMYPSPGVDNGYDISDY TFEGIVEKIPYLEKLGIDVLWISPMYPSPGVDNGYDISDY TFEGIVEKIPYLKSLGVDVIWLNPVYKSPNCDNGYDISDY TFEGIVEKIPYLKSLGVDVIWLNPVYKSPNCDNGYDISDY TFEGIVEKIPYLKKLGVGITAVELMPCYEFDEAKIKPLYSDH TFDAVREDLPRIREMGVRLLWLMPIHPIGEKNRKGPL SNLAGIRQKIPYLKKLGVTTIYLNPVFESDTHG WCELLAEELSYVTEMGYTHIELLPVSEHPFSGSWGYQPVG TYRELAEKADYOKKMGYTHIELLPVSEHPFSGSWGYQVIG TYRELAEKADYOKKMGYTHIELLPVSEHPFSGSWGYQPVG TYRELAEKADYOKKMGYTHIELLPIMEHPFDGSWG YRELAELSYVTEMGYTHIELLPIMEHPFDGSWG YRELAELSYVKEMGYTHIELLPIMEHPFDGSWG SYRELAEGLPYVKEMGYTHIELLPIMEHPFDGSWG TYRELAEKADYOKKMGYTHIELLPIMEHPFDGSWG TYRELAECHPYVKEMGYTHIELLPIMEHPFDGSWG TYRELAECHPYVKEMGYTHIELLPIMEHPFDGSWG SYRELAEGLPYVKEMGFTHVELMPVTEHPLDESWG DLNGIIRGKIPYVKEMGFTHVELMPVTEHPLDESWG SYRELAEGLPYVKEMGFTHVELMPVTEHPLDESWG DLNGLIEKLDYLKKLKYTHIELLPVTEHPLDESWG DLNGLIEKLDYLKKKLKYTHIELLMPVTEHPFDGSWG DLNGLIEKLDYLKKKLKYTHIELLMPVTEHPLDESWG DLNGLIEKLDYLKKKLKYTHIELLMGIAEHPFDGSWG DLNGLIEKLDYLKKKLKYTHIELLMGIAEHPFDGSWG DLNGLIEKLDYLKKLKKYTHIELLMGIAEHPFDGSWGYQPVG SYRELAUELLEYVQELGYTHVELMGIAEHPFDGSWGYQPVG SYRELAUELLEYVQELGYTHVELMGIAEHPFDGSWGYQPVG DLNGLIEKLDYLKKLKKYTHIELLMGIAEHPFDGSWGYQPVG
UniRef90_UPI000478A2EE UniRef90_R5GVZ4	DĖN ĞLĖĖ KLD YLKKLKYTHI ELMGUAFHPFDGSWG
UniRef90_R5KJ68 UniRef90_Q4JUK5	D Q G V L S K M D Y L E S L G D N C I W F S P L Y P S P N A D F G Y D D A D Y S Y R E L A V E L E Y V Q E L G Y T H V E L M G V S E H P F F P S W
UniRef90_N9XV26 UniRef90_A1BAE8	DÍNGI TÖKL DYĽK DLGÍGLÍ WV <mark>C</mark> PMYKTPNYDNGYDÍSDÝ ELVEY <u>AR</u> GMGFTHIELLPISEYPFDGSWGYQPVG
UniRef90_UPI0003FFADA5 UniRef90_B9JAA2	WDELASRILIPY CVD MG FTHILE TMPLITE HPYDPS WGY OTTG
UniRef90_B8GCD2 UniRef90_K1Y287	T F R D V T K R L P Y V A E L G F D V L Y L P P I H P I G H T F R K G K N N S L T F N A F K K Q L P R L K E L G V D V L W F M P I Y P I G N I E R K G T L G S T F A D V T A K L P R I R D M G F D V L Y F P P I H P I G L A N R K G R N N T L
UniRef90_D5WEP4 UniRef90_R7WW00	T F A DIVIT A KILIPRII IR D M G F DIV LIV F P P II H P II GLAN R K G R N N T L T F A T A A D E L P R II A G M G F D V V Y L P P II H P II G E V N R K G P N N S L
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UniRef90_UPI00037DA28B UniRef90_S0J9F4	T F A D V I A K L P R I R D M G F D V V Y L P P I H P I G E V N R K G P N N S L D Y L Q D L G I T G L Y L C P I F E S T S N H G Y R D A A K T L A Y V K G M G Y T H I Q L M P L M E R V Q K N S Y G Y P T V G T L R S A A K R L P A I A D M G F D V V Y L P P I H P V G R S F R K G P D N S L D I N G I R E K L G Y L K D L G I D F I W I T P I Y A S P N F D N G Y D I S D Y N F D D V I A R L P A I R A M G F D T L Y F P P L H P I G K K H R K G K N N S V D I Q G I J S K M P Y I K S L G V N F V W L S P F F A S P N I D N G Y D V S D Y
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UniRef90_F0S6M3 UniRef90_V5WKI4	90 100 110 120 Y F A A S S R Y G S P Q D L M Y L I E R L H Q N D I G V I L D W V P S H F H G L D V S D Y R N V M K E F G T L K D L D R L I E K A H E R G M L I M M D L V M
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UniRef90_C7PCX6 UniRef90_UPI00037C2BF1 UniRef90_W4BT59 UniRef90_V6EWU2	T G
UniRef90_Q8GQC5 UniRef90_R5CG51 UniRef90_B0C0R4 UniRef90_G4F168	L F A P T S R H G T P E D F R L V E R L H Q A G I G V I D WV A G H F P R D L Y A P T S P D D F R Y L V S A F H E A G I N V L L D WV S G H F P A D S Y G L R D I M D D F G T M E D F D R L L A E A H R H H I R I V M D L V V N H T S D E H Y Y A C T S R Y G T P E D F M Y F V D Q C H Q Q D I G V I V D WV P G H F P K D Q F A P S A R F G K P A D F A Y F V D E C H R A G L G V I L D WV P A H F P T D Y D T R D Y K V V D R R L G D N D D F V R F V K K A H E L G I K V V V D G V F
UniRef90_R6RNS7 UniRef90_UPI00038002EB UniRef90_M1TQF2 UniRef90_UPI000408EAC3	Y N P R Y Y P A V E S S Y G S S E DILL R R L I D E G H K R G II R P I I M D G I F
UniRef90_A7Z133 UniRef90_D6DE64 UniRef90_A9ARI7 UniRef90_UPI000255AB81	YFAPTSRFGKPQDFMVLVDKLHQAGIGVILDWVPSHFPDDQAIMESYGTMEDFHDLLTECRSRGLKLVMDFVLNHTSTEHHIDPVDPNDMDNDMASDDFFAAFVEAAHEKGIRVIVDGVFQFAPSARFGPPDGFARFVDRAHAAGIGVLVDWVPAHFPDDYFAPTSRFGAPEEFKELVDALHAAGIGVILDWVPSHFPEDQFAPSAPEQFAEFVNRAHEAGLGVILDWVPSHFPEDQFAPSAPEQFAEFVNRAHEAGLGVILDWVPAHFPNDAHGLRYSTSDYFNVDPYLGTIQDFKDLCKEFKEKDIRITLDGVF
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UniRef90_H2IMX2 UniRef90_UPI00028957C8 UniRef90_V6Z394 UniRef90_B9L230	G Y Y A T D Y F T D P H F G D L E T A R T L V E E A H R R G L Y V F F D G Q A I M S E F G S M E D F D E L L E E A H K R G I K I M M D L V V N H S S D E H Q A I A D I F G D M T D M F F I L S Q A N Q R G I K I L M D I V V N H T S D F H
UniRef90_A1SXA5 UniRef90_I0RQI3 UniRef90_C4Z5B9 UniRef90_C4LE29	VA GPDDPGSPWALGSEEGGHDALHPQLGTLEDFRRFVARGQDLASEFGTLEEMNKLIAEAAKRDLRLHSSDEHPWFLESRTAAPGDVGSPW ALGSDEGGHDAVHPLLGTLDDYYAPTARYGTPKDFMYFVDYMHEKGLGVLDWVPAHFPKDQDLAAEFGTLAEMENLIAEAKKRDLQLVMDLVVNHTSDEH
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UniRef90_G1WG45 UniRef90_UPI0003A58A3E UniRef90_I4D2K5 UniRef90_F4XDN6	GYQPTGYFAATSRYGTPQQFMHFVESCHKAGIGVILDWVPFGTMEDFRALLTGIHERGMKLIMDLVVNHTSDEHPWFIESYQATGYYSCTSRYGTPHDFMYFIDCCHQAGIGVILDWVPFFSPTSRYGTPHQLMTLVDRCHQADIGVILDFVPVH
UniRef90_B3PD37 UniRef90_UPI00026294D2 UniRef90_UPI0004661131 UniRef90_A0A011RQ00	F F S P T S R Y G T P H Q L M T L V D R C H Q A D I G V I L D F V P V H WE H L G D WA L V D E L V A Q M E A R G M K L V L D I A P N H S N Q D D Q Y E R Y D A S T F E A V D P L L G G E E A L V R L S E A L H A R G M R L V L D L T T V A E P G D V G S P W A L G S D E G G H D A V H P D L G A V D D F D Q F V A R A H A L M S E F G T M D D F D T L L K E V H Q R G M K V I M D L V I N H T S D E H T P D Q Y D P G S P W A L G S D E G G H D A V H P D L G T L E D F D A F V A R A Y D D P S F G T P W A E G G G H D A U H P D L G T L E D F D A F V A R A Y D D P S F G T P W A E G G G H D A U H P D L G T L E D F D A F V A R A Y D D P S F G T P W A E A E G G H D A U H P D L G T L E D F D A F V A R A Y D D P S F G T P W A E A E G G H D A U H P D L G T L E D F D A F V A R A Y D D P S F G T P W A E A E G G H D A U H P D L G T L E D F D A F V A R A Y D D P S G T P W A E A E B D R D V M D M D M T D M
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UniRef90_F8FEA2 UniRef90_R7N8J9 UniRef90_UPI00036C4EA8 UniRef90_C2EM23 UniRef90_UPI0002FF5349	QAILGEFGT MED WERL LEGLHARGIKLIMDLVVNHTSDEH REPEEAKQKEEEGKKEVQDRRLNCWGFQKGFYFAPKASYS YYSVQNYTEVNPEFGNKADFLRFVDEAHQLGFKVIIDWVA RYDTADFMKIDPMLGTEKDLRDLIHALHQNHMHLILDGVF RSVMPKAGTMDTFDRLLQEAHARGMKLIMDLVVNHTSDQH YNTRDYKKIDVRLGTNADFKKVCKALHKENIRVVLDGVF
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UniRef90_U7GCX8 UniRef90_UPl00047E1F6A UniRef90_H2JSL0 UniRef90_UPl000478A2EE	Y Q T T G Y Y A P T S R Y G S P D D L R Y L I D Q C H Q H N I G V I L D W V P Y F A P T S R F G Y P D E F K L L V D K L H Q N D I G I I L D W V P S H F P E D G Y Q V T S Y Y A P T P R L G P P D D F R Y F V D A C H R A G L G V I M D W V P K K V M K D F G T M E D F N R L V S E M K K R N M R L M I D I V F N H T S D Q H Y Q V T G Y Y A P T S R Y G T P E D F A Y L V N T L H R N K I G V I L D W V P
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UniRef90_A1BAE8 UniRef90_UPI0003FFADA5 UniRef90_B9JAA2 UniRef90_B8GCD2	L FAPT RFGPPHEFRD L V NAAHKAG L GVI L D WV PGHFPTD MFAPTSRFGDPDDFKYF V DQCHQHG GVI L D WV PAHFPED
UniRef90_K1Y287 UniRef90_D5WEP4 UniRef90_R7WW00 UniRef90_M5ME40	TAGADDPGSPWAIGNADGGHMSVHPQLGTLDDFRALVDEA YYSIKDYTAVNPEFGSVEDFKSVVEEAHNMGMKVIIDWVA TAQPGDVGSPYAIGAAEGGHTAVHPQLGTLDDFKAMLAAA TAGPDDVGSPW AIGSAEGGHDAVHPRLGTQRD KYNTTDYFEIDRHFGDKETFRELVDQAHHRGMKVMLDAVF
UniRef90_R6DET4 UniRef90_UPI00037DA28B UniRef90_S0J9F4	Y Y A L R S C Y G T P K D F M Y F V D Y M H Q N G L G V I M E W P G Y F S T Q H A G P D D P G S V WAI G S A E G G H D A V H P D L G D I G D F D A F C A L S S D F G T M E N F Q A L V K E A K Q A N L K I I M D L V I N H T S N Q H T A G P D D P G S P Y A L G S E E G G H D A L H P Q L G T F E D F A R L R D A A

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UniRef90_H2IMX2	VFGHHKAG <u>LIK</u> PSPSG <u>LL</u> PSGSNNP <u>VD</u> YPQSLEFYKE <u>V</u>
UniRef90_UPI00028957C8 UniRef90_V6Z394	Q WFKDNSKRDYY I WKKGQDGKEPTNWESIFSGSVWEYDET A WFILEARENADSPERDYY I WRDEPNDLVSTFSGSAWEYDD
UniRef90_B9L230	RDFGII FIVIAII IDII IA FQ <mark>C</mark> SPDHPYIVIRFHPFWFRRRPDGTII IQYA
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UniRef90_C4LE29 UniRef90_A3TG94	P WF LEAKKSKDNPYRDYYI WRQPQDFHSYFGGSGWEFDAT P WF QASRSDPDGPYGDFYVWSDTDDKYTDDTETSNWTFDP
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UniRef90_L0K7N2 UniRef90_R6GHV5	K WF V E S R K S K D NL Y R D Y Y I WR P G E D G A P P N N WR S H F S G S A P WF L G A C K D R N G K Y H D Y Y I WE E G T E D Q P F F G G N W W E W P Q
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UniRef90_UPI0003A58A3E UniRef90_I4D2K5	RKSKDNPYRDYY
UniRef90_F4XDN6	F A <u> </u> D Y A <u> L Y D G T P L Y E Y P S W D V G R S <u>E</u> W G S <mark>C</mark> N F M H S R G E</u>
UniRef90_B3PD37 UniRef90_UPI00026294D2	NHTGDTHEWFRAAQADAGSEEAGYYLFTEHPDRYVSWLDV
UniRef90_UPI0004661131 UniRef90_A0A011RQ00	RELGLEVALDLALQ <mark>C</mark> APDHPWVRQHRQWFTELPDGTIAYA EWFIESRSSKDNPYRDFYIWHPINNWESIFGGSVWELDEQ
UniRef90_W2EJQ2	R F I I I I I I I I I I I I I I I I I I
UniRef90_A6LVV1 UniRef90_E0PCT5	E WF K K A I S G D R K Y K D F Y I F K E S G K D K P P T N W E S K F G G N A W N H T S D E H E W F I E Y R D Y Y I W R K G V G N Q P P N D L E S N F G G S A W Q W F V E S R W K Y D E Q T E E Y Y L H L F D E K Q P D L N W E N E K V R Q D L
UniRef90_G7M061	QWFVESRWKYDEQTEEYYLHLFDEKQPDLNWENEKVRQDI
UniRef90_F8FEA2 UniRef90_R7N8J9	P W F K D S P Y R D Y Y W W R P G R D G R E P T N W V S V F S G P A W E Y D E A S K A P E L S F K T M V R E L H K A G L E V M M H F Y F P F M V Q V L K F W T M
UniRef90_UPI00036C4EA8	N H T A WD N P WT Q N P E WY E L D E E G
UniRef90_C2EM23 UniRef90_UPI0002FF5349	N HVG Q D S LY F K A A L K D K N S H Y Y S W F N F L D Y P E K Y Q S WWP E P W F T E S R S A K D H P K R D Y Y L WR K E P N N W R S Y F T P S T W E Y D E
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UniRef90_R1F1H2 UniRef90_R6YHK2	A H F D G T P L Y E Y E D P R R G W H P D W N S Y I Y D F G R D T V R Q F L V A E H F D G T C L Y E H L D K R Q G E H P H W G T L I Y N Y G R P Q V A N Y L I A
UniRef90_UPI0004651D4D	EHFDGTCLYEHLDKRQGEHPHWGTLIYNYGRPQVANYLIA RSRENPYRDYYI WREGKEDGSCPNNWGSCFSGSAWEYDNE
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UniRef90_B9JAA2 UniRef90_B8GCD2	E
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UniRef90_D5WEP4 UniRef90_R7WW00	HAHGLEIALDFAIQ <mark>C</mark> SPDHPWLKEHPTWFAWRPDGTLRYAFRDFVAAARRLDLEVALDLALQCAPDHPWAAEHPEWFTVLNHIGSQSIQWKNVVKNGEQYKDWFHIQQFPVTTEKLVNKR
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UniRef90_R6DET4 UniRef90_UPI00037DA28B	VA E A A A H CUEVAL DU A LOCS PD H D WE H D E WE T A B D D CSU A
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UniRef90_F4ADV7 UniRef90_R5YUB6 UniRef90_A1R391 UniRef90_R5A3Y1 UniRef90_D1ABW4	RRQYYLHLFYPQQPDLNWENPEVRREFHDIAEFWIQREHR TGQYYLHFFADQQPDLNWKNPKLRNKIYEMMNYWIDKGIG SAMFWLEKYHVDGLRVDAVASMLYLDYGRNDGEWIANKNG DGFRADAIPYLFEEDGTNCENLPATHTFLQDLRRMVDSNY RDQYYFHLFSKKQPDLNWANPKLREELFSMMEWWYLDKPQ NACYWIFFFHIDGIRVDAVASMLYIDYSRKDGFWTPNVYG
UniRef90_C6XKJ5 UniRef90_UPl000467376A UniRef90_UPl000370A123 UniRef90_C7PCX6	D G F R A D A I P Y L F E D G T N C E N L P A T H T F L Q D L R R M V D S N Y R D Q Y Y F H L F S K K Q P D L N WA N P K L R E E I F S M M E WWY L D K P Q N A C Y W L E E F H I D G L R V D A V A S M L Y L D Y S R K D G E W T P N V Y G N A L F W A E H F H V D G L R V D A V A S M L Y L D Y S R E Q G E W I P N E F G A T G Q Y Y H H A F L A Q Q P D L N W R N P A V R K A I Y D V M R F W L R K G V T Q Q Y Y Y H A F L K E Q P D L N W R N P E V Q A A M F D V M R Y W L Q K G V D
UniRef90_UPI00037C2BF1 UniRef90_W4BT59 UniRef90_V6EWU2 UniRef90_Q8GQC5	T Q Q Y Y Y H A F L K E Q P D L N WR N P E V Q A A M F D V M R Y W L Q K G V D N A L F W F D K Y H I D G I R V D A V A S M L Y L D Y C R K E G E W L T N Q Y G N A L F W F E Y Y H I D G M R V D A V T S M L R L D F E K R D H Q Y R R N V N G N A L Y W M E Q Y H V D G L R V D A V A S M L Y L D Y S R N H G E W L P N R H G N A L Y W T E R F G V D G L R V D A V A S M I Y R D Y S R R D G E W V P N Y F G T G M Y L H C F S R K Q P D L N W E N P K V R D E V F D M M N W C E K G I D N A V A S M I Y R D Y S R N D C E W V P N Y F G T G M Y Y L H C F S R K Q P D L N W E N P K V R D E V F D M M N W C E K G I D N A V A S M I Y R D Y S R N D C E W V P N Y F G T G M Y L H C F S R K Q P D L N W E N P K V R D E V F D M M N W C E K G I D N A V A S M I Y R D Y S R M D C E W V P N Y C R M S R M
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UniRef90_A9ARI7 UniRef90_UPl000255AB81 UniRef90_R4X2Z6 UniRef90_D0BJL7	S GLA WLKRYHVDGLRVDAVAS MLYRDYSRKTGEWVPNVHG
UniRef90_G4SV63 UniRef90_A0L7G0 UniRef90_G7VQ41 UniRef90_Q2JZ19	NFILISSALIF WLEEY HVDGLRVDAVAS MLIYLDYS REEGEWI VKSFLISSALI MLT RYHLDGLRVDAVAS MLYLDYS REDWL TGEYYFHSFAKEQPDLNWENAELRQEIYR MMRFWWPEHID ENPPKKYEDIVNVDFYTKDALPSLWVELRDIVQLWVDQGV
UniRef90_UPI00047ABB84 UniRef90_UPI0002D8CED3 UniRef90_H2IMX2 UniRef90_UPI00028957C8 UniRef90_V6Z394	T GHPRAPRFYI MK WLTDYII TEFGI DGYRVDTVKHTEEFVW T GEYYLHVFSKKQPDLN WENPKVRERLYQMVN WWYVPSFD A TYWI NEL KI DGWRLDQAYQVPTDAWTQLRKAVNQASQNV T E EYYLHLFSKKQPDLN WENPKVRKEVYDLMTWWLDKGI D KVGQYYLHLFGKKQPDLN WENEALRQKI YDMMN FWI DKGI
UniRef90_B9L230 UniRef90_A1SXA5 UniRef90_I0RQI3 UniRef90_C4Z5B9	T G Q Y Y F H Q F S K K Q P D L N W D N P K V Q E E V H K M L N W W L D R G L G P D G S L A Y A F N P P K K Y Q D L Y P L N F D N D P A G L Y D F V L R V V R H
UniRef90_C4LE29 UniRef90_A3TG94 UniRef90_J3CF68 UniRef90_D6CHV6	NGMFWVDKFHDGLRVDAVASMLYLDYGRTEGNWVPNKYGTGEYYFHQFSKRQPDLNWENPKVQEEVHKMMNWWLDKGIGIRQFFWHRFFGHQPDLNFENPAVHEAMFEVVRFWMDMGIFLISNAMFWFERYHADGLRVDAVTSMLHLDYSRNEGEWEPWDYDEQTDEYYLHLFSSKQPDLNWKNPNLRQEIYKMMTWWVKEYYYHTFSIQQPDLNWKNENMRQELYAMIRFWMDHGGN
UniRef90_R6GHV5 UniRef90_G1WG45 UniRef90_UPI0003A58A3E UniRef90_I4D2K5 UniRef90_F4XDN6	S FIL I S N A IL F WVE CF H A D GIL R M D GIVIS S M Y IL IN F GIVID N P A D K K T G Q Y Y IL H L F T K K Q P D L N WE N V K V R Y E V Y D M M K F WIL D M G C D S F L I S N A V F WILE K F H L D G L R V D G V S S M L Y L D F E K P D K G WE V R S F I L Q S A A H Y W L E E F H F D G L R M D A V R N L L Y W Q G D E A R G T
UniRef90_B3PD37 UniRef90_UPI00026294D2 UniRef90_UPI0004661131 UniRef90_A0A011RQ00	P G E WD D P WS F R N K S L Y N L S D F K H G T S S N S I A D Q Y WM D H G V P A R F L D E P V L A D G WR I D V A N M T G R H G A V D L T R E V A R E M R G E N P P K K Y Q D L Y P L N F D N D P A G L Y A E V H R V V Q F W I S H G V T G E Y Y M H V F S K K Q P D L N W E N P K V R E H V Y E M V N W W Y V P S F D E N P P K K Y Q D L Y P L N F D K D P E G L Y A E V K R V V R H WM D H G V
UniRef90_W2EJQ2 UniRef90_A6LVV1 UniRef90_E0PCT5 UniRef90_G7M061 UniRef90_F8FEA2	EYVEKFDEYYLHLFDRTQADLNWDNEEVRNEIIYG <u>VV</u> NFWG EYSEETEEYYLHFYSKKQ <u>PDL</u> NWENPNMRNEIJWKMMNFWI
UniRef90_R7N8J9 UniRef90_UPI00036C4EA8 UniRef90_C2EM23 UniRef90_UPI0002FF5349	T G E Y Y M H L F S K K Q P D L N WE N E K V R E E L Y E M M T WWY A WG G E E Y H V D G F R I N O F H L P V R M L L E E P V L K R S K L WL P Y L P E E D L N F T P P H G T D W T D V I Q L D Y E N E E M R A A M E A L E Y W V R D F N I V N K S N P E Y Q D F I Y G E N G V L A K W T G M Q V D G W R L D V A D E L P M A T G E Y Y F H S F A V Q Q P D L N W D N P R V R E E I Y D M M R F W L D K G I WY E G W E G N Y D L V K L N L K N P A V T D Y L L E S I K F W I D E F G I S A L Y W W D N F R V R S A V T D Y S P N A G E W Y P N D G E
UniRef90_UPI0003B64D64 UniRef90_R1F1H2 UniRef90_R6YHK2 UniRef90_UPI0004651D4D UniRef90_UPI00037E3DFE	NALFWLEQYHADGLRLDAVASMLYLDYGKQDGEWLANMYG
UniRef90_S3AQN1 UniRef90_E8LKQ6 UniRef90_W0EBZ4 UniRef90_U7GCX8	SFLISNLLWWLGAYHADGIRMDGVTSMLYNFGIDDPARKR SALIWLDYYHVDGLRVDAVASMLYWDYSRKAGEWIPNVNG SFLISNALFWITVYHVDGLRVDGVSSMLYLDYAKKAGSWT RHEVKNFLFWLDTFHVDGLRVDAVASMLYLNYSRNEEDWL
UniRef90_UPI00047E1F6A UniRef90_H2JSL0 UniRef90_UPI000478A2EE UniRef90_R5GVZ4 UniRef90_R5KJ68	T K M Y Y L H L F S K K Q P D L N WE N P R V R D E V F D M M D W W C R D F T P T G Q Y Y Y H A F L K E Q A D L N W R N P D V R A A M M D V L R F W F D R G V D S F L I S N L L W W L G A Y H A D G I R M D G V T S M L Y N F G I D D P A R K R S A L I W L D Y Y H V D G L R V D A V A S M L Y W D Y S R K A G E W I P N V N G S F L I S N A L F W I T V Y H V D G L R V D G V S S M L Y L D Y A K K A G S W T R H E V K N F L F W L D T F H V D G L R V D A V A S M L Y L D Y S R N E E D W L N A I F W L D Q Y H A D G L R V D A V A S M L F L D Y S R K E G E W E P N I F G N A V Y W C E E F H I D G L R V D A V A S M L Y L D Y S R D S G Q W E P N V F G W E K D A K T D Q Y L H Y F S V H Q P D L D W G N P K V R A A L Y D I M E F W N A L Y W I K E F H V D G L R V D A V A S M L Y L D Y G R K D G E W V Q N R Y G E Y E K D I D E Y Y L H V F A K K Q P D L N H D N P N V R R E V K D I L R F W L V A N A L Y W C K E F H L D G L R V D A V A S M L Y L D Y S R D D W L P N Q Y G R E Q Y Y M H L F T K R Q P D L N W E N M R K E V Y K M I N W W Y V S S F S N A L Y W L R E Y H V D G L R V D A V A S M L Y R D Y S R A E G Q W V P N K D G
UniRef90_Q4JUK5 UniRef90_N9XV26 UniRef90_A1BAE8 UniRef90_UPl0003FFADA5	VANALYWCKEFHILDGLRVDAVASMLYLDYSRDDWLPNQYGREQYYMHLFTKRQPDLNWENENMRKEVYKMINWWYVSSFSNALYWLDKFHIDGLRVDAVASMLYRDYSRAEGQWVPNKDGSALYWLDKFHIDGLRVDAVASMLYRDYSREDGEWIPNVDG
UniRef90_B9JAA2 UniRef90_B8GCD2 UniRef90_K1Y287 UniRef90_D5WEP4	NALY WLREY HVDGLRVDAVAS MLYRDYSRAEGQWVPNKDG SALY WLDKFHIDGLRVDAVAS MLYLDYSREDGE WIPNVDG NALY WAEKFHLDGVRVDAVAS MLYLDYSRKHGE WIPNEYG ENPPKKYQD IYPFDFETDAWQELWQELRQIFVFWIEQGV DWTDVAKLDYNNAEMRSAMLDAMKFWITETKI ENPPKKYQD IVPFDFYARDAKPDLWLALRQVILFWVDAGV
UniRef90_R7WW00 UniRef90_M5ME40 UniRef90_R6DET4 UniRef90_UPI00037DA28B UniRef90_S0J9F4	PDGTIAYAENPPKKYQDIYPVNFDRDPEGIYAEVLRVVKHDLPYHVFGFEDYMPKLNTANPEVKNYLLKVATYWIEEFNINALYWKEMYHLDGICVGGMETMLYLDYGRKEGEWIPNRYGYAENPPKKYQDIYPLDFDNDPEGLYAEVLRVVRHWMAHGVTYDDVRQAYYFHTFAKEQPDLNWDSSAMKKKVFDMIEWWAENPPKKYQDIVNVDFYAEDALPELWLALRDIVVFWVQQGV
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UniRef90_F4ADV7 UniRef90_R5YUB6 UniRef90_A1R391 UniRef90_R5A3Y1	NFKNTRRTHEYLREFREKALQNGAVFTVGETGGTTPRTSR GFRNGPMLHPYLKEMNENTFAGKELMTVGETWNSTPKIAA GRENLEAVQFLQNLNVLIFREHPDVMMLAEESTSWPLVSK PGRVIIAEANQPPHEVVEYFGTEEAPECHMAFHFPLMPRL DFPDSPEPPQPDGYSFSACLLSGRPGTHAYLQEMNRRVFS
UniRef90_D1ABW4 UniRef90_C6XKJ5 UniRef90_UPI000467376A	GRENLEAUSFLOETNATVYRRYPGIITVAEESTAWPGVTR GRENLEAVDFLKLMNKEVYGRHPGILTMAEESTSWPKVSH DGFRVDVIWHLIKDAEFRDNPPNANFREGOPPHQRFLPLF
UniRef90_UPI000370A123 UniRef90_C7PCX6 UniRef90_UPI00037C2BF1 UniRef90_W4BT59	DGYRCNMGGFVPNNFWAELRPELDKIIKTVFMLSEWENEAA GFRVDVMWHMIKHEVVRNMRAVMEEFDGDRVMIGEIYLPL GRENIEAADFLRQVNHLLFSYFPGVLSIAEESTSWPMVSW GLENLEAIKFIQNLNKAIFHYFPKALMMAEESSAWPGVTA
UniRef90_V6EWU2 UniRef90_Q8GQC5 UniRef90_R5CG51	GNENLEAI DFLRQMNEVVYAEHPGAMTIAEESTAWPGVSR GKENLEAI GFLRYTNQMLGQHHAGAVTIAEESTDYAGVTL GFCNGPHVHEYLQEMNRRVLSHYDLLTVGEAAGVTLEEAQ
UniRef90_B0C0R4 UniRef90_G4F168 UniRef90_R6RNS7 UniRef90_UPI00038002EB	DFPDSPEPPQPDGYSFSACLLSGRPGTHAYIQEMNRRVFSGRENLEAISFLQETNATVYRRYPGIITVAEESTAWPGVTRGRENLEAVDFLKLMNKEVYGRHPGILTMAESTSWPKVSHDGFRVDVIWHLIKDAEFRDNPPNANFREGQPPHQRFLPLFDGYRCNMGGFVPNNFWAELRPELDKIKTVFMLSEWENEAAAGFRVDVMWHMIKHEVVRNMRAVMEEFDGDRVMIGEIYLPLGRENIEAADFLRQVNHLLFSYFPGVLSIAEESTSWPMVSWGLENLEAIDFLRQVNHLLFSYFPGVLSIAEESTSWPMVSWGLENLEAIDFLRQWNHLLFSYFPGVLSIAEESTSWPMVSWGLENLEAIDFLRQWNNEVYAEHPGAMTIAEESTAWPGVSRGKENLEAIDFLRQMNEVYAEHPGAMTIAEESTAWPGVSRGKENLEAIDFLRQMNRVLSHYDLLTVGEAAGGVTLEEAQGAENIEAADFLRHLNDVLFSYYPGILSIAEESTSWPMVSWGHENLETIDFLRHLNDVLFSYYPGILSIAEESTSWPMVSWGHENLETIDFLRHLNDVLFSYYPGILSIAEESTAWPGVTQGAENIEAADFLRHLNDVLFSYYPGILSIAEESTAWPGVTQDCADCLEFSFMEEMRRRTSAKKADFWLMGEVHGDYSRYIQ
UniRef90_M1TQF2 UniRef90_UPI000408EAC3 UniRef90_A7Z133 UniRef90_D6DE64	FRPNGARI HDYLKEMTKEVFSKYNVMSVGEAGSVVTPEEGL
UniRef90_A9ARI7 UniRef90_UPI000255AB81 UniRef90_R4X2Z6 UniRef90_D0BJL7	GRENLESVAFLRALNDTLHGDDAPP GVVSVAEESTAW NNEHLEAMSFIREMNAEVYASFEGIQTIAEESTAFTGVSK GRENLESIAFLKRLNHEVRHIPGALTIAEESTAWPGVTAF DVADEFPDCFIDQLRKSAKQEDPDCFLLGEVWEDATTKFS
UniRef90_G4SV63 UniRef90_A0L7G0 UniRef90_G7VQ41	PNKYGGRENLEAIDFLRSLNEITHQQVPGVLIMAEESTAW PNKYGGRENLEAITFLRSLNQAVHHDCPGVLMIAEESTAW YNGNNPGUHDYNDFMNREVIRHYNDMTVGEILPEVTPEDGU
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UniRef90_A7Z133	MKGTPYII IYQGEEII IGMTNAPFDRII IEDYQDII IQTIVINMHKRIVIFE
UniRef90_D6DE64 UniRef90_A9ARI7	WPGAPTI YYGDETGL <mark>C</mark> GWTDPDNRRTYPWG KEDQELTE HPGKKLLFMGSELAQWAEFAHDGT <u>P</u> HWDL <u>L</u> DAPAHRGVQR
UniRef90_UPI000255AB81	HPGANLIFMGGEFGQTAEWNFQQSLDWHLTQYDFHSGIQK
UniRef90_R4X2Z6 UniRef90_D0BJL7	HPGKKLLFMGGEFGQFAEFNHDESPHWHLLDDSLHGGLQK LPGVPCIYYGDELGMYGFRDPYNRQTFNL KEKDDEILE
UniRef90_G4SV63 UniRef90_A0L7G0	HPGKKLLFMGCEFGQGREWDSSQVLDWYVLAYPFHQGLQH HPGKKLLFMGCEFGQSQEWNFSQALPWELLEHTFHKGLQQ
UniRef90_G7VQ41	II IP G T P YIVIE O G E E II IG M T GIVID E P S II ID D Y O D II IA M H N K Y R E A II IE
UniRef90_Q2JZ19 UniRef90_UPI00047ABBB4	LSGLWGVYNGFELCDAKRKEYADSEKYEIRAWDYDRPIIA TPGTSQVYYGDESARDTVGDATLRSNMNWDAISSDKEVLN MQGTPFIYQGQEIGMTNVKFDSIDDYNDVALKNLYKHERE
UniRef90_UPI0002D8CED3	MQGTPFI YQGQEIGMTNVKFDSIDDYNDVAIKNLYKHERE
UniRef90_H2IMX2 UniRef90_UPI00028957C8	Y S G P I T L Y Y G D E I G D Q V D G D H V A R S S A K I E G D A N Q A D L K S M K G T P Y I Y Q G E E L G M T N V E F P S I S Q Y K D L E T L N A Y E D V T G M R G T P Y I Y Q G E E L G M T N Y G R D N A R T P M Q W S A E N Q K N S I F Y
UniRef90_V6Z394 UniRef90_B9L230	MRGTPYIIYQGEEIIGMTNYGRDNARTPMQWSAENQKNSIIFY
UniRef90_A1SXA5	SYGIPYELCEATPLAPGSEEYLNSEKYEIRHWQLDHSLAP LKGLPYLYQGEELGMTNVHFDALEDYQDLETLNLYQERLA MGPSWGMYSGYELEYLDSEKYQLRPRDFAGALAEGRSLEP
UniRef90_I0RQI3 UniRef90 C4Z5B9	MGPSWGMYSGYELLEYLDSEKYQLRPRDFAGALAEGRSLEP HPGKKLLFMGQEFGQWNEWSEKRALDWYLLEDESHTELKD
UniRef90_C4LE29	LKGTPYVYQGEEIGMTNNGRDNARTPMQWNNDNEPDSVFF LPGSP <mark>C</mark> LYYGDEIGMGDNIWLNDR <u>D</u> PMQ <u>WT</u> PDR <u>T</u> GHSL LH
UniRef90_A3TG94 UniRef90_J3CF68	H P G A K L L F M G D E F G Q T S E W N F T R S L D W H L L E Y P I H K G L Q T
UniRef90_L0K7N2 UniRef90_R6GHV5	LQGTPYIYQGEEIGMTNVEFDSITDYEDIETLNMYQEVVE MKGTPYLYQGDEIGMT <u>NVV</u> NTKISQYQDIESANFAKEKQE
UniRef90_G1WG45	HPGAKLNFMGNELGMYIEWRYYEALQWFLKDFEAHAKQQS
UniRef90_UPI0003A58A3E UniRef90_I4D2K5	MQGTPYIIYQGEEI GMTN HPGKKLMFMGGELAQFIEWRYDAELDWLLLDYE <u>M</u> HKKFQA
UniRef90_F4XDN6 UniRef90_B3PD37	HPGKKI NEMGSEEGOI REWDESREODWDV I RYPI HDGEYH
UniRef90_UPI00026294D2	LPGIPTIYYGSEQNSTWGHDPYNREMMP SFSQTTPAFT LPGVPTVFAGDELGAEGLTGEHARTPMPWAALDADAEVLE
UniRef90_UPI0004661131 UniRef90_A0A011RQ00	MGPSWGVYSGYELEYLHSEKYELRPRDYAAARREGRSLEP MQGTPFIYQGQEIGMTNNGRDNSRTPMQWSNAPEPDSIYY
UniRef90_W2EJQ2	M A P T WG V Y A G Y E L A E N D S E K Y Q Y R P R D W A T A E R E G R S L A P
UniRef90_A6LVV1 UniRef90_E0PCT5	MRGTPYVYQGEEI GMTNPYFDN EKYRDVESINYYNI LKE MKGTPYI FQGEEL GMTNADRDNARTPMQWDDSDDKQSI FY LRGTPYI YQGEEI GMTNVSFNSI DDYRDLASI NLYNSEVG
UniRef90_G7M061 UniRef90_F8FEA2	LRGTPYIIYQGEEIIGMTNVSFNSIIDDYRDLASIINLYNSEVG MQGTPYIIYQGEEIIGMTNVRFGSVEEYKDIIETLNWYKERMA
UniRef90_R7N8J9	<u>S</u> QGTP <u>F</u> LFSGDEFG <u>N</u> SGN <u>N</u> NAY <mark>C</mark> QDEVFWLQWKDNQELLS
UniRef90_UPI00036C4EA8 UniRef90_C2EM23	ILIP GIVIP CILIY Y G D E A GILLIG K K D P D N R R E E P W G H E S O SILLIN
UniRef90_UPI0002FF5349 UniRef90_UPI0003B64D64	LIP GMP YII IY Q G E ELLIGMT GIVR F D SILLD D YN DILLAMK N K Y K E E V G
UniRef90 R1F1H2	HPGKKLNFMGTELAQSSEWNHDAQLPWHLLQFPKHAGQQR
UniRef90_R6YHK2 UniRef90_UPI0004651D4D	MKGTPYIYQGEELSMTNYPFEDMTEFKDIESINAYKELVG
UniRef90_UPI00037E3DFE UniRef90_S3AQN1	MPGIPTIYYGSEWGEKADKSQGDPALRPCFDRPDWIDLID HPGKKLNFMGTELAQSSEWNHDAQLPWHLLQFPKHAGQQR HPGKKLLFMGQDFGQLSEWSEERGLDWNLLADGKHRMLQD MKGTPYIYQGEELSMTNYPFEDMTEFKDLESINAYKELVG LRGTPTIYYGDELGLTDVALPPDRTPMPWNDWPTRNSMLA HSGAKLNFMGNELAQFLEWRYYEGIQYFLEEYQTHAGQQR HPGKKLNFMGTEFAQSSEWNHDSQLEWWLLQFDKHRGMQN HPGKKLLFMGGEFAQFLEWRDAGELDWFLLDYEAHRKLRE YPGAKLLFMGGEFGQRQEWSEKRELDWHLLQHEGHQGIHK HPGTNLLFMGGEFGQRGEWNFQQSLDWHLLQHEGHQGIHK
UniRef90_E8LKQ6	HPGKKLNFMGTEFAQSSEWNHDSQLEWWLLQFDKHRGMQN
UniRef90_W0EBZ4 UniRef90_U7GCX8	H P G K K L L F M G G E F A Q F L E W R D A G E L D W F L L D Y E A H R K L R E Y P G A K L L F M G G E F G Q R Q E W S E K R E L D W H L L Q H E G H Q G I H K
UniRef90_UPI00047E1F6A	HPGTNLLFQGCEFGQSGEWNFQQSLDWHLLQYDPHKGVQE
UniRef90_H2JSL0 UniRef90_UPI000478A2EE	HPGKQLLFMGQEFAQGAEWSNTHGPEWWLLSDDDHRGVQA HANESGGEYGWLXFFLGNHDNPRVVSTLGDDRPEWRE HSGKKLLFMGQEFGQEREWSEARELDWFLLQNELNQGLQD
UniRef90_R5GVZ4 UniRef90_R5KJ68	HSGKKLLFMGQEFGQEREWSEARELDWFLLQNELNQGLQD QQGTPFIIYQGQELGMTN
UniRef90_Q4JUK5	HPGKKLLFQGQEWGQTEEWNESRGLDWHDLEGWEHRGISA QTGTPFIYQGQEIGMTNVKFNSLEDYSDLKCINIYKDRLL
UniRef90_N9XV26 UniRef90_A1BAE8	HPGKKII I EMGOEEAOGSEWNHDAEII DWA <mark>C</mark> I IGNDI IHYGMOII
UniRef90_UPI0003FFADA5	HPGKKLNFMGNELGQSAEWNHDGSLNWHLLEFDKHAGIQN MWGYPLLFMGQEFAQWSEWSEERALDWNLLQYRMHEGMRR SWGMPAYELMEHTPVPGREEYLDNEKYELRYWNLDHSLRG
UniRef90_B9JAA2 UniRef90_B8GCD2	S W G M P A Y E L M E H T P V P G R E E Y L D N E K Y E L R Y W N L D H S L R G
UniRef90_K1Y287 UniRef90_D5WEP4	MPGMPLIYNGQESGFNRRLQFFEKDSIEWNH NSPFNQ WGVYSSFELICEATALPNSFFYIIDSFKYOIIRAWDWHRPII VIG
UniRef90_R7WW00	LSPT WGVYSGYELYYLDSEKYQLRPRDFAGADARGESLSP
UniRef90_M5ME40 UniRef90_R6DET4	MPGMPLIYNGQESGFNRRLQFFEKDSIEWNH NSPFNQ WGVYSSFELCEATALPNSEEYLDSEKYQLRAWDWHRPIVG LSPTWGVYSGYELYYLDSEKYQLRPRDFAGADARGESLSP QKGTPCIYYGTELALTGGPDPDCRRCMPWERVSSDNDMLN HPGKKMLFMGEEFGVEDRKNTDGSLDWEQAQSKEHAQLQR
UniRef90_UPI00037DA28B UniRef90_S0J9F4	LSPSWGVYSGFELCREGSEEYLASEKYQYKPRDFDASI IP LQGTPFIYQGQEIGMTNTAFHEINEINATDTLYMYNELLT LSGLWGVYSGFELGVPGKEEYLDSEKYEIRSWDWQRPIIE MKGTPFIYQGQELGMTNVDFNDLNQFRDLDSQRFYRE
UniRef90_D8IV85	LS GLWGVYS GFELGWPGKEEYLDSEKYEIRS WDWQRPLIE
UniRef90_C2D357	MKGTPF YQGQE L GMTN V DFND L NQFRD L DSQRFYRE

UniRef90_F0S6M3 UniRef90 V5WKI4	370 380 390 400 FISALNAVYRSTPAFHSNGFQWIENNDNINSVFVYWRKAF YYRALKDGRSEDQAFDEFRRSTRD
UniRef90_F4ADV7 UniRef90_R5YUB6 UniRef90_A1R391	K G Y S K D E L I K A L N T K G R D N A R R P M Q W S N G E N A D F T T Y V R T L N T L Y K K Q S P L D WE G F N W I S N D D I D N S V I S F R R I D K W T R O L I S V R K N H P V E G I G G E R H L E A D H E V V L A Y V R E G E
UniRef90_R5A3Y1 UniRef90_D1ABW4 UniRef90_C6XKJ5	GTPPHEALRQAQMISRDNARTPMQWDGTENAGF TT LVRDLNRVYRSCPALYTGGFHWIDAGDAGRNTLSFLRYGS LVRDLNNIYKSEPALHEGFDWVLVDAAADSVFAWQRKAPD
UniRef90_UPI000467376A UniRef90_UPI000370A123 UniRef90_C7PCX6	L VR DL N N I Y K S E P A L HE G F D WV L VD A A A D S V F A W Q R K A P D L Y K A L I R L R R E R P P L V I G S Y A P I A A H D D L L I Y R R H R E T L L T L K H R N R A L W N G L A G G K V M K I S T D H D E A V Y A F Y R Q R L Y R E L I D L R R K E P S L S S G D Y K P V Y A D N Q L L A F I R Q E A
UniRef90_UPI00037C2BF1 UniRef90_W4BT59 UniRef90_V6EWU2	Y T A A L N K L Y R S E P A L Q E G Y Q WI D A D D N D Q S V I S Y I R R G K P L V R D L N R L Y R V E P A L H Q G F Q W V D C N D R D N S V L S F L R R G F D
UniRef90_Q8GQC5 UniRef90_R5CG51 UniRef90_B0C0R4	LYREL LDL RRKEPSLSSGDYK PVYADNQLLAFIRQEA FFQDL NHLYRSEPALQEGFEWIDCSDNRHSVAAFIRRDKD YTAALNKLYRSEKALQEGFQWVDCNDRDNSVLSYIRRGKP LVRDLNRLYRVEPALHQGFQWVDCNDRDNSVLSFLRRGFD LVRDLNHCYRQHPYLHQGFEWVVVDDRENSVFAFIRRDAD SLVTAEDMMRYLKEISRDNARTPMQWDDSRNAGF TT FVTDLNHLYKELPALHRGFTWVVGNDNTNSVFAWLRWSAT WVTWLGNMHREYKECLDAHRGFTWVVGNDNTNSVFAWLRWSAT
UniRef90_G4F168 UniRef90_R6RNS7 UniRef90_UPI00038002EB UniRef90_M1TQF2	WUT WL GN MHREYKE CLAY GRYREL LITNRQYAFAR FT YYKGLIHLRKTNATLHTDNLDFLFEDTEAKLLSYYRWNDE YIGLLNKIRRANPALQQLRNLHFH DTDNDQILAYSKVDT LITDLNQLYKSQPALYEKGFEWLNYSDQQNAVLSYIRKGN
UniRef90_UPI000408EAC3 UniRef90_A7Z133 UniRef90_D6DE64	I I T DLN QLYK S QPALYEK GFEWIN Y S D QQN AV LSYJRK GN MGRN REEV MVSI MAKSRDHART PMQWDGSK N AGF TK FHRYMT GLHKRYPAFRK GS VRKLLAEQDLIAYAR LVRDLNRTYAAQPALHAGFAWLI GDDRDN SVFAFARRDDA
UniRef90_A9ARI7 UniRef90_UPl000255AB81 UniRef90_R4X2Z6	L V R D L N R T Y A A Q P A L H A G F A W L I G D D R D N S V F A F A R R D D A L I Q D L N K L Y K K E P A L Y Q K G F E WI E W N D A D N S V L S Y L R K G N A V R D L N L L Y T S E P A L H K R G F E W L V G D D N A N S V Y A Y R R T D E F Y Q E L T N F R H K Y Q K D F K A E C D L L K V T N G C I A Y K R G D
UniRef90_D0BJL7 UniRef90_G4SV63 UniRef90_A0L7G0	FYQELTNFRHKY QKDFKAECDIIKVTNGCIAYKRGD LVKTLNHTYQKETALHANDFTWIDCHDAHNSVLIYIRKDT LVKDLNLLYCKETALHEDGFQWIDCHDSDQSIISFQRKSS KGGAPDQVLRELQPLSRDNSRTPMQWNGEQHAGF TT
UniRef90_G7VQ41 UniRef90_Q2JZ19 UniRef90_UPI00047ABBB4	H W Q K I I G Q F R A N H P A V G A G K H A I I S S F N G I V F S R I R N
UniRef90_UPI0002D8CED3 UniRef90_H2IMX2 UniRef90_UPI00028957C8	A G K S H E E V M Q I I W K N G R D N S R T P M Q W T S E P E A G F T Y V Q S L M T I R A A H P A L Y E G S R A N L L S S N G S Y V D L K T A N R M S E D E F M E A V Y Y L G R D N A R T P E O W D E S E N A G F T K
UniRef90_V6Z394 UniRef90_B9L230 UniRef90_A1SXA5	TYQALVALRKEAQWLVDADFE LVDTEEKVFAYKRYT VIARVNRIRRENPALQQDWTLRFHPVDNDELIAYSKTSPD AGVSHEDMMQGIHENGRDNARTPMQWDSSLNSGF SD FIKRLNEIRRLHPALRELRTIHFHHVDNDALLAYSKFDPT
UniRef90_I0RQI3 UniRef90_C4Z5B9 UniRef90_C4LE29 UniRef90_A3TG94	FTKKCLKLNKNYPCLSSEGFRWINANDKDNSVLSFMRISP HYOKI IKI RKEOPI MTYG QYI PI I EDHPDVEAYI RAOD
UniRef90_J3CF68 UniRef90_L0K7N2 UniRef90_R6GHV5	WVRGMLGVRRLHPAFGLGDFAI APTDNDSILAYTRSWALVKDLNHMYRSETAFKHGFEWVEADDLENSVYIYLRKGKKGNKDREEVMEAIYAKGRDNARTPMHWDNSENAGF TDLGWSEEKIMSYLLRNSRDNARTPMQWNHQEHAGF TT
UniRef90_G1WG45 UniRef90_UPl0003A58A3E UniRef90_I4D2K5	FILE ALLNH FYLLD E PAMWEDG FEWILD ANNDT QSILIS FVRHGK YVKELNKLY QREKAFWENG FEWILD ADNKNQSILIA FCRRGK
UniRef90_F4XDN6 UniRef90_B3PD37 UniRef90_UPl00026294D2	FFQALNRLYLEHPALQGDGFVWLD <mark>C</mark> HQEGR <mark>C</mark> LYALERRSG MIKALADLRKVSPAIQRG SYAERWVNADVLVFQRQQGA ATRTLLGLRREHPALRRGGLRWLH TGEDALVLVRTHP
UniRef90_UPI0004661131 UniRef90_A0A011RQ00 UniRef90_W2EJQ2	F
UniRef90_A6LVV1 UniRef90_E0PCT5 UniRef90_G7M061	QGKSEEEI LQI LKAKSRDNSRTPVQWDDSENAGF TK YYQSLIKLRKTEETLVHGIYELLLP NDENIYAYTR SL DGVNPEEI LKRIHTFSRDNSRTPMQWDSSENAGF TQ
UniRef90_F8FEA2 UniRef90_R7N8J9 UniRef90_UPI00036C4EA8 UniRef90 C2EM23	E GADPAEL LRAVHAK GRDNART PFQWDAS PNGGF TAFT QK MI AL RKQNPI I H FYTTL VGLKRDNPAL WNGDFEFI QVPESSEGV LAYKREKD
UniRef90_UPI0002FF5349 UniRef90_UPI0003B64D64 UniRef90_R1F1H2	KVSAWVKLRKQNKILWTGKIAFMHFNVGVNAII RYDE KGRDPQEVFESLLHLARDNSRTPMQWDDSSNGGF TD VIAALCKAREGSKALSYGGFS SLLLTNRQCIFEREADG LIRDLNQLYRSESALERQGFCWLDHNDADNSILAWLRADG FVADLWKFYKAHPAMYADGFEWVSMLDADHSVIAFMREAE
UniRef90_R6YHK2 UniRef90_UPl0004651D4D UniRef90_UPl00037E3DFE	FVADLWKFYKAHPAMYADGFEWVSMLDADHSVIAFMREAE EHVTHECMMDYLRFKSRDNARTPMQWDDKEQAGF TS LYRDLLSLRRKHDALAEGDFRLLE TTGPVLAYERW R
UniRef90_S3AQN1 UniRef90_E8LKQ6 UniRef90_W0EBZ4	FIAALNHFYASHPALWQGFEWIDADNNNQSIVTFIRRGEKLVRDLNKLYVNEPLLWKNDFKWLDVNDAEHSIFAALRTDPYVRSLNQFYLKEKALWEEGFDWIDVNNNRQSILVFCRRDPLVQDLNRLYREQPALHRAGFEWIDCHDSTQSVVSYLRKHGLKDLNTLYKGQPALYEKGFEWIDYSDHKNSVFAYIRKGN
UniRef90_U7GCX8 UniRef90_UPI00047E1F6A UniRef90_H2JSL0	L V Q D L N R L Y R E Q P A L H R A G F E WI D C H D S T Q S V V S Y L R K H G L L K D L N T L Y K G Q P A L Y E K G F E WI D Y S D H K N S V F A Y I R K G N L V R D L N T V Y R A T P A L W Q G G F R W V L C D A A D D N V L A F L R F A D
UniRef90_UPI000478A2EE UniRef90_R5GVZ4 UniRef90_R5KJ68	Y VA E L L K L Y R K Y P C M Y E D G F E W I N A D D A D R S T Y S F I R K T S
UniRef90_Q4JUK5 UniRef90_N9XV26 UniRef90_A1BAE8	LTSQLNKLYHSELALGQDGFQWIASDDSTNNVLSFIRRHR NGISEKEAMKEVWATSRDNARTPMQWTSGKNAGF TL LVRDLNAIYCATPALGAGFQWIEANDAAHSIYAWVRRGGP
UniRef90_UPI0003FFADA5 UniRef90_B9JAA2 UniRef90_B8GCD2	MYRDLNKLYSKHPALHEEGFEWIDHGNAEQSILAFVRKDK LVRDLNFTYRSKPALHEGFEWLIVDDFENSVFAWLRKAPG FIAQLNRIRRNHPALHRNFHRVDIDFHEHEWLLAYSKTSD
UniRef90_K1Y287 UniRef90_D5WEP4 UniRef90_R7WW00 UniRef90_M5ME40	LYKSLSYLKENNIALHTPKSKMEELITDKPDKALILQFKL EITALNRIRRANPALHTHLGLTFLTAHNDHILFFEKATES WLTMLNDIRRRHAALQQLRQIHFH HADNDAIIAYSKFDP
UniRef90_M5ME40 UniRef90_R6DET4 UniRef90_UPI00037DA28B UniRef90_S0J9F4	FMKRLIKIRKYASVISHGKYSLQEIKSD LVALEWKYE YVKDLNMLYRNHTALRQDGFEWISCMDADHSIIAFLRKDQ LLRRLNCVRRDHPALQELRNLRFHHVDQPELICYSKRDQE SGYSETQAMEMISAVTRDNARTPMQWDGSE YAGFSE
UniRef90_50J9F4 UniRef90_D8IV85 UniRef90_C2D357	SGYSET QAMEMISAVTRDNARTPMQWDGSE YAGFSE DITRLNRIRTENPALQTH LGVRFLPVSNDQILYFVKSTP

UniRef90_F0S6M3	410 E E D T L V V L N L T P V T R S N F R I G V P H S G F G S G V Q I S D T L H T E	40
UniRef90_V5WKI4 UniRef90_F4ADV7		
UniRef90_R5YUB6 UniRef90_A1R391 UniRef90_R5A3Y1	GTPWLKLNPNYKTINVKEALEDPNSIFYTYQKLIKLRHENNKEIIAVCNFTNVERSGYRIGVPRAG TYKVILNTDDAETILCVFNLSQHPVAATLDVPEF AGRGLRDIFGGQGKPWLGINPNHRKINVENQKEDPHSIYHCYKTLIDL	
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UniRef90_UPI000370A123 UniRef90_C7PCX6		
UniRef90_UPI00037C2BF1 UniRef90_W4BT59 UniRef90_V6EWU2	GHPAFLIVLNLSHLP TNDFIVVVCNFTPQPHSYRIGIPEPGF GDTLFIVINFQPVERHNYRIGVPRAG TYEELFSSE GDDFCLVVCNTPVVRYDYRIGVPLGG RYREVLNTD	
UniRef90_Q8GQC5 UniRef90_R5CG51	GDDFCLVVCNTPVVRYDYRIGVPLGG RYREVLNTDGNEMLIISNFTPVPRDSYRVGINQPG AWREVLNTDGTPWINVNPNYPKINAQAAVADPDSVFHYYQKLIRLRHTLDEFVLTVCNLTPQPHSHYRVGVPEAGY	
UniRef90_B0C0R4 UniRef90_G4F168 UniRef90_R6RNS7	G E P L L V V A N M T P L P R M G Y R L G V P L T G G WE E C L N S D E E E C L V I A V N N D E Q E V S V S I P V P R Q D M N Y V N L K T K E	
UniRef90_UPI00038002EB UniRef90_M1TQF2 UniRef90_UPI000408EAC3	NENLLI VGNFT QIV VIRENYRII GII SQKG KILIETIFNT D	
UniRef90_A7Z133 UniRef90_D6DE64 UniRef90_A9ARI7	G E P WL K VN P N Y K T VN A A E A Q D D P D S V L N F Y K K L I R L R K Q Y	
UniRef90_UPI000255AB81 UniRef90_R4X2Z6	EERVIIIGNFTPVPREKYKLGVP NNTTLKLLFNSDGRELVVVVCNMTPVPRLAYRIGMPRGG RWSEVFNSD	
UniRef90_D0BJL7 UniRef90_G4SV63 UniRef90_A0L7G0	GEFLVVALNETPUPREYYHIGVPAAG RYDEILNSD	
UniRef90_G7VQ41 UniRef90_Q2JZ19 UniRef90_UPI00047ABBB4		
UniRef90_UPI0002D8CED3 UniRef90_H2IMX2		
UniRef90_UPI00028957C8 UniRef90_V6Z394 UniRef90_B9L230	DEELYL V V V N L S D Q E Q A L K L T C P K E T I L A N T E L Q E V I N S Q R Q N V I V T V V N L D P H H R H V T L D L A A L G L E A D T Q L H D L L T G E	
UniRef90_A1SXA5 UniRef90_I0RQI3 UniRef90_C4Z5B9	RQNVIVTVVNLDPHHRHVTLDLAALGLEADTQLHDLLTGEGNPWLKLNPNYTEINVESALDDPDSIFYHYQKLVQLRKTHTGDCVLVVNAFAPEEATLWLDMPALGMEPYERVRDEITGEDKNLLFVLNFTPVERDSFRIGVPFKT	
UniRef90_C4LE29 UniRef90_A3TG94	DARIVI VI INNE SKKKIVII IVISII IPAE	
UniRef90_J3CF68 UniRef90_L0K7N2 UniRef90_R6GHV5	GSETVLCVNNLSDKPQAATIQLP EHLGENELFDLFGGARDDVLMVVLNLTPQVLDYKIGVN AGTHWKVIFNSDGKPWIKLNPNYKEINVENALDNPDSIFYYYQKLIKLRKENGTPWLSVNGNYKEINVENSRKNPDSLFYYYKTLIALRKNN	
UniRef90_G1WG45 UniRef90_UPI0003A58A3E UniRef90_I4D2K5	KEDLVVIINFDPASYETFRMGVSREG DWKLVFNSD NDLLIIVINFQPVSYRDFRIGIPQRGI YQELFNSD	
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UNIVERSID UP100034726A39 UNIVERSID UP100034756A39 UNIVERSID UP10003475A332 UNIVERSID UP10003	UniRef90_Q985P4 UniRef90_R6IR66	R P M S V E V H A G S W Q L H D D G T F L S K G E H G	EEYL
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June June	UniRef90_UPI0003812AC8 UniRef90_UPI00047A5AA9	WWKNTVVYELYLQSFYDSNNDGI	G G
Junkerson Jun	UniRef90_Q8U8L4	SI Y E V H A G S W Q R R E D G T F L S W D E L	C
Junkerson Jun	UniRef90_R5R121	D WY K E L V I Y Q L Y P R S F K D G N G D G L	G
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UNINGRIGO NO CORDINATION OF THE POWER OF TH		PQWLKDAVEYEI YPQSFYDSNGDGI	G G
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UniRef90_B8EN61 UniRef90_C7TGJ4 UniRef90_C7TGJ4 UniRef90_R5EF12 UniRef90_R5EF12 UniRef90_UPI0003F552B1 UniRef90_UPI0003F52B1 UniRef90_UPI000469E3B UniRef90_L9L04 UniRef90_UPI000469E3B UniRef90_UPI000469E3B UniRef90_UPI000469E3B UniRef90_UPI000469E3B UniRef90_UPI000469E3B UniRef90_UPI000469E3B UniRef90_UPI000469E3B UniRef90_UPI000469E3B UniRef90_UPI000469E3B UniRef90_UPI000469E3B UniRef90_UPI000469E3B UniRef90_UPI000469E3B UniRef90_UPI000469E3B UniRef90_UPI000469E3B UniRef90_UPI000469E3B UniRef90_UPI00037557 UniRef90_UPI00037557 UniRef90_UPI00037557 UniRef90_UPI000375543F5 UniRef90_UPI0003755375 UniRef90_UPI00037523F5 UniRef90_UPI00037523F5 UniRef90_UPI00037523F5 UniRef90_UPI00037523F5 UniRef90_UPI00037523F5 UniRef90_UPI000463A19F UniRef90_UPI000463A19F UniRef90_UPI000467E1653 SN K WWK N A V V V Q I V P K S F Q D S N G D G F P WVI N A V I V Q I V P R S F G D G F G G R F □ WWK E A V A Y Q V V P R S F M D S N G D G I WWK E A V A V V Q V V P R S F M D S N G D G I WWK E A V A V V Q V V P R S F M D S N G D G I WWK E A V A V V Q V V P R S F M D S N G D G I WWK E A V A V V Q V V P R S F A D A D G D G I WWK E A V A V V Q V V P R S F A D A D G D G I WWK E A V A V V Q V V P R S F A D A D G D G I WWK E A V A V V Q V V P R S F A D A D G D G I WWK E A V A V V Q V V P R S F A D A D G D G I WWK E A V A V V Q V V P R S F A D A D G D G I WWK E A V A V V Q V V P R S F A D A D G D G I WWK E A V A V V Q V V P R S F A D A D G D G I WWK E A V A V V Q V V P R S F A D A D G D G I WWK E A V A V Q V V P R S F A D A D G D G I WWK E A V V V Q V V P R S F A D A D G D G I WWK E A V V Q V V P R S F A D A D G D G I WWK E A V V V Q V V P R S F A D A D G D G I WWK E A V V V Q V V P R S F A D A D G D G I WWK E A V V V Q V V P R S F A D A D G D G I WWK E A V V V Q V V P R S F A D A D G D G I WWK E A V V V Q V V P R S F A D A D G D G I WWK E A V V V Q V V P R S F A D A D G D G I WWK E A V V V Q V V P R S F A D A D G D G I WWK E A V V V Q V V P R S F A D A D G D G I WWK E A V V V Q V V P R S F A D A D G D G I WWK E A V V	UniRef90_J6XUS6	E WWK E A V V Y Q V Y P R S F Q D S N N D G []	G
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UniRef90_UPI0002E372C1 UniRef90_U1NM47 UniRef90_B9CXH2 UniRef90_UPI00037523F5 UniRef90_UPI00037523F5 UniRef90_S2Z2Q1 UniRef90_UPI000463A19F UniRef90_UPI0004653 S N K WWK N A V V Y Q I Y P K S F Q D S N G D G F P E WVK N A V V Y Q I N T R Q F S UniRef90_UPI00047E1653 Q F A S W Y E L F P R S VT D R A S R H G	UniRef90_UPI0003765A05	D WWRD A V V Y Q V Y P R S F A D A D G D G T	G
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UniRef90_R5PDX1	UniRef90_B9CXH2 UniRef90_H8KR79	SILY EV <mark>H</mark> LIGS WRRN <u>L</u> ENN K D <u>V VM</u> Y EVNLIR G F S K	E G
UniRef90_S2Z2Q1	UniRef90_UPI00037523F5	SI Y E L HASS WK A H F N N D G	R K P L
UniRef90_UPI000463A19F	UniRef90_S2Z2Q1	SSWYEI FPRS TGGLDENGK	P ∏H G
UniRef90_UPI00029A29A8	UniRef90_UPI000463A19F	SNKWWKNAVVYQIIYPKSFQDSNGDGF	G A F G
	UniRef90_UPI00029A29A8	A WWK E A V V Y Q L Y P R S F K D S D G D G I	G

UniRef90_U4KST3	50 D N G K E K P Y K N G D W S P Y Q S P M D D N G Y
UniRef90_D2Q750 UniRef90_Z5XSU7 UniRef90_UPI0003B6D3C6	DFRGIISKLEYIRNLG <mark>C</mark> NAIWINP <mark>C</mark> FDSSFYDAGYDVRDYTLKAAKDQLPRLKTLGIDIIWLMPIHPIGEQNRKG ELGSSYREIAEPLDHVEDMGFTHVEFLPLAEHPYYGSWGYQVLGSYKELAEQLPYVKEMGFTHIELLPINEHPFDGSWGYQPLGNYREIAKKLPYILETGFTHIELLPINEHPFDGSWGYQPLGNYREIAKKLPYILETGFTHIELL
UniRef90_D4GD43 UniRef90_U7V7E9 UniRef90_S2KKZ5	SYKELAEQLPYVKEMGFTHIELLPINEHPFDGSWGYQPLG NYREIAKKLPYILETGFTHIEIL PLTEHPLDTSW DLPGVTEKLDYVASLGVDGIWLSPFFTSPMLDFGY
UniRef90_Q985P4 UniRef90_R6IR66 UniRef90_R2TNP5	WIDELLADRILIPYIVVIELGELHILIEEMPILISEHPYIDPSWGYOLLG
UniRef90_UPI0003812AC8 UniRef90_UPI00047A5AA9 UniRef90_Q8U8L4	Y Y E L V D K L I P Y V K E L G Y T H I E L L P I A E H P F D G S W G Y Q V T G D I E G A I E K L D Y L K N L G V G A I W L T P I Y D S P L I D N G Y D V A D Y A A Q L I P Y C T D M G F T H I E F L P I T E H P Y D P S W G Y Q T T G
UniRef90_U6BAZ2 UniRef90_R5R121 UniRef90_UPI0003B77FF2	DLNGIIEKLDYLKTLGIDVI WLSPVYDSPNDDNGYDIRDY DLRGMIEKLDYLKELGVNAVWMSPVYASPNVDNGYDISDY DLHDLTGRLDYLVGLGVNAIELMPLMEFAGDYSWGYNPAH
UniRef90_M0CWM4 UniRef90_H9UM67 UniRef90_E2Q6X1	D
UniRef90_UPI000406031A UniRef90_UPI00016C4F01 UniRef90_R7RA93	DLKG T S K
UniRef90_UPI0003813BEE UniRef90_C3AS95 UniRef90_B4WTI6	DLAGITERLPYVADLGIDAI WLSPIFTSPMLDMGYDVSNY YREMAEELPYVAEHQFTHIEIMPLVEH PYDRSW DLKGLIERLDYLNDLGIDAIWLSPVNKSPMVDNGYDIADY
UniRef90_D3UY70 UniRef90_R7IMZ7 UniRef90_T0N6X5	
UniRef90_R6TW19 UniRef90_UPI000225BB83 UniRef90_L8K0P6	DINGITEKLDYIKSLG <mark>C</mark> NAIWMNP <mark>C</mark> YDSPFMDAGYDVRDY DIKGITEKLDYLKELGIDVIWLSPVYQSPNDDNGYDISNY TFKAFSKHLPRLKELGTELLWIMPVQPIGEKNRKGSL <u>G</u> S
UniRef90_K0GA86 UniRef90_E0E246 UniRef90_R6SKI1	NYDEI ANELPYVKDMGFTHI ELLPI TEYPFDGSWGYQPLG
UniRef90_V1DGZ2 UniRef90_UPI00040E0D9A UniRef90_N6XYK6	DI E GI R Q H L D Y L A K L G V T Q L WI N P L L E N N Q A Q Y S Y H D I P G I T E R L D Y I R S L G C N A L W L N P C F A S P F R D A G Y D V A D Y D L N G I T E R L D Y L K W L G I D V I W I C P M Y K S P N D D N G Y D I S D Y
UniRef90_Q7VBL4 UniRef90_F2G569	T F K A V T A R L D S I K A L G V N V V Y L M P I F P I G K L K A V D S T Y P E L T E K L P Y V K A R G F T H I E L M P I S E H P F D G S W G Y Q V T G T Y K E L A D D L G Y V S D M G Y T H V E L L P I S E F P F D G S W G Y Q P V G
UniRef90_R6QHT8 UniRef90_F8B567 UniRef90_C9P882	THSGQATGLDYLVDLGIDVIWLSPVYESPQDDNGYDISDY THSGQATGLDYLKDLGVTHVQLMPMYDFASIDETDPSYNW DIEGIRQHLDYLAKLGVTQLWINPLL ENNQAQYSYH DIPGITERLDYIRSLGCNALWLNPCFASPFRDAGYDVADY DLNGITERLDYLKWLGIDVIWICPMYKSPNDDNGYDISDY TFKAVTARLDSIKALGVNVVYLMPIFPI GKLKAVDS TYPELTEKLPYVKARGFTHIELMFISEFPFDGSWGYQVTG TYKELADDLGYVSDMGYTHVELLPISEFPFDGSWGYQVTG NYRELAHELEYVKHMGYTHIELMGIAEYPFDGSWGYQVTG YRQLATELAHVREMGFTHVELLPVAEHPFGGSWGYQVTG
UniRef90_A6NQ79 UniRef90_K2GNA9 UniRef90_R5I4E6	RRVLDWGDHLEKLGVGAVVFNPVFQSDRHG DLQGLIEKLDYIRELGADVIWLTPVYKSPQNDNGY
UniRef90_A1SX86 UniRef90_G4H8T8 UniRef90_UPI0004120D2E	T F E A F E K H L P R L K E L GV D I L W F M P V Y P I G E V E R K G E L G S T Y R E L A A E L P Y L L E L G Y T H L E V M P I S E F P F D G S W G Y Q P V G D L R G I I S K L D Y L K D L G I D V L W I C P I Y E S P G M D N G Y D L R G I I E K L P Y L K E L G I D M I W L N P F Y P S P Q R D N G Y D I S D Y T W M G E H T G L A H L K E L G V T H V Q L M P V F D F A S I D E S H P E R T Q D L N G I T A H L D Y L Q K L G V D V V W L S P V Y Q S P N D D N G Y D I S D Y D I Q G I I E K L P Y L E E L G V D V L W L N P I Y V S P L V D N G Y D I A D Y K W N D I A A E C E F L G P K G Y D A V Q I S P P N E H V N F S Y R E L A D Q L P Y A K W M G F T H L E L L P I N E H P F D G S W G Y Q P T G N Y R E L A K E L P Y L K E N H F T H V E L L
UniRef90_R5UJ17 UniRef90_S2XRM4 UniRef90_E7FNC1	T WM G E H T G L A H L K E L G V T H V Q L M P V F D F A S I D E S H P E R T Q D L N G I T A H L D Y L Q K L G V D V V W L S P V Y Q S P N D D N G Y D I S D Y D L Q G L J F K L D Y L F F L G V D V V W L N P V L Y V S P L V D N G Y D L A D Y
UniRef90_UPI00037FA332 UniRef90_V5B6X1 UniRef90_R7AYR7	K WN DI AAE CEFLGPKGY DAV QI SPPNEHVNF HT WWA SYRELADQLPYAK WMGFTHLELLPINEHPFDGSWGYQPTG NYRELAKELPYLKENHFTHVELL PLSEHPFDGSW
UniRef90_C5UTD6 UniRef90_UPI000478210A UniRef90_UPI00037D66A4	DIKGITEKLDYLSDIGITMLWI <mark>C</mark> PIYKSPMDDNGYDISDY TYRQLAEQLPYVKDLGFTHVELM PVAEHPFGGSW ELVNYVADMNFTHVEFMPIMEYPYDPSWGYQLTG
UniRef90_K7SU10 UniRef90_I3IMF6 UniRef90_J6XUS6	DLPGLIDRLDYLKSLGVQVIWLAPHYDTPNVDNGY ADYVKEMGFTHVEFLPIMEHPFYGSWGYQTVG
UniRef90_D2Q211 UniRef90_B8EN61 UniRef90_UPI000225B9AF	T F R T A A E R L D A V A A M G F D V L Y V P P I H P I G T S Y R K G P N N T L T Y D E F A D Q L P Y A L D L G F T H L E L M P V S E H P L D A S W G Y Q P L G D L O G V L S K L D Y L K D L G L D V L W M S P N D D N G Y D L S D Y
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UniRef90_D6S UniRef90_UPI	SP69 0003B762E8	TYKAVTERLDYLKDLGINAI ELMPIKEFEGNLSWYSIKGVTAKLDYLAELGIEYI WMTPVYQSPQHDNGYSIKGVTAKLDYLAELGIEYI WMTPVYQSPQHDNGYDLGGVIKRLPYI KKLGADVI WLNPIYKSPDKDNGYTFVTATRELDRVAEMGFDVVYLPPIHPIGHVNRKGTYLELADQLEYVKEMNFTHVEFMPVMEFPYDPSWGTYRQLAEQLPYVKHLGFTHVEFMPVAEHPFYGSWGTYRQLAEQLPYVDMGFTHVEFMPVAEHPFYGSWGTWDMLAERLPYLVDMGFTHVEFMPVAEHPFYGSWGTWDMLAERLPYLVDMGFTHIEFMPISEHPFYGSWGTWDMLAERLPYAVAMGFTHIEFMPISEHPFYGSWGTUQDSIRRLHDIKAMGFDVVYLPPIHPIGHSFRKG	GYQ <u>IL</u> G GYQTTG
UniRef90_A0A	.011PVA7		SKNNSL
UniRef90_UPI0 UniRef90_R6C	271	T F K E L K E E L P Y L V E M G Y S H V E F M P L M A H P L G L S W C T F L G I Q E K I P Y L K E L G V T T L E L Q P V Y E F P E I E I L I L I L I L I L I L I L I L I	K P T E T
UniRef90_S5Z UniRef90_E1R	UR4 8896	DLRGVTARLDYLQKLGVDAIWLTPFYVSPQVDNG`	Y DIVIA N Y ESTSH
UniRef90_R6P UniRef90_D5R	SP3	I I D WL D P I R R M G F D T I L L G P V F T E N G V P T G L D H I K D L G I T H L H L L P F Y D Y G S V D E T I T F D D V I R A L P R V R D M G F D V L Y F P P I H P I G Q K N R K ((LDTPQ
UniRef90_A6V	VB3	TYLEMKDQLPYIQEMGYTHVELLPITEYPFDGSW	3 Y Q P V G
UniRef90_A2T UniRef90_B7G		A T T L V D Y V K K L N F T H V E F M P I M E Y P Y D P S W C D L Q G I T Q K L D Y L K D L G I D V I W I C P L Y K S P N A D N G Y	GYQ <u>V</u> TG ′
UniRef90_B8J	GQ0	DLRGLVEKLDYLQDLGITCLWLLPFFPSPLRDDG` TFIDAIQQLDYLVDLGVNCVQL MPVTEYI	/ DLA DY
UniRef90_A0A	010Z7C8	DLQGIIQKIDYLKDLGIDVIWICPIYKSPNADNG DLRGLVEKLDYLQDLGITCLWLLPFFPSPLRDDG TFIDAIQQLDYLVDLGVNCVQL MPVTEYI DLRGILKLDYLKELGVDVIWLSPVYKSPNDDNG	Z D L S D Y
UniRef90_V9X UniRef90_S6A	.9X3 .N48	T F A I A A A DIL P RIL A A M G F D V V Y I L P P II H P L G K V N R K (Y R E II A P L L D H M R E T G F T H V E L L P V T E H P F F G S W (PNNTL GYQTTG
UniRef90_F7V UniRef90_B6X	236 DU2	YREILIAQELIAYVKDMGYTHVELMGIISEYPFDGSWG	
UniRef90_R6S	SPN9	DLRGIILKLDYLKELGVDVIWLSPVYKSPNDDNG TFATAAADLPRIAAMGFDVYYLPPIHPIGKVNRK YREIAPLLDHMRETGFTHVELLPVTEHPFFGSWG YRELAQELAYVKDMGYTHVELMGISEYPFDGSWG SYRQLAEQLPYVAEMGFTHLEFLPISEHPFDGSWG TFQGEKTGIDHLQELGVTHVQLMPSFDFSSVDETI TFEAFEEHLPRLKKMGVDILWFMPIHPIGEKNRKG	ĬŢĬŢŢŢĠ
UniRef90_I6Z8 UniRef90_R7I\	3F1 N65		S L G S
UniRef90_R7F UniRef90_UPI		DLQGIISKLDYIQDLGYTGIWLTPIFTSSST <mark>H</mark> KYI DIQGIISRLDYIEKLGVDVIWLTPIYQSPQNDNG [°]	N T T N Y L
UniRef90_UPI	00046316EB	DII N GII I E KIL D Y L K D L G I D M I W M C P I F S S P Q K D S G Y	/ DI K D Y
UniRef90_E4S UniRef90_E3G	GCL2	DLRGI IEKI DYI KKLNVD MI WFNPFYVS PQNDNG VPYL KDMHYTHVELMPI MEHPFDGS W	GYQL
UniRef90_U7D UniRef90_H1X	OCN9 (UP8	TYQEIIRALVPYLKEMNYTHVEFMPVQEHPFVPSWODEKTILDTIDYLQKIGVNVLEIMPLNEFEGNESWO	GYQVGG GYNPSF
UniRef90_J9S	G85	TYQEIRALVPYLKEMNYTHVELMPIMEHPFDGSWGDFKTLIDTLDYLQKLGVNVIELMPINEFEGNESWGYRELAHELDYAVEKGFTHVEFLPVAEHPFGGSWGYRELAHELDYAVEKGFTHVEFLPVAEHPFGGSWG	ŠÝQVTS
UniRef90_G7V UniRef90_W42	<u> </u>		WR P WY E
UniRef90_F2JI UniRef90_R5Z		T WN D I A D E C E F L G P Y G F A G V Q I S P P S K Q N K V T N P V D L Q G I I S K L D Y I K D L G I D V I W I C P M Y E S P N D D N G V T Y L G I V D K I P Y L K E L G I T M I E L M P A Y E F N E V Y V E F D L Q G V L D K L D Y L Q Q L G V D V I Y F N P L F V S P S	/ 〈QPTSM
UniRef90_N1Z UniRef90_UPI		D L Q G V L D K L D Y L Q Q L G V D V I Y F N P L F V S P S D L K G V I E K L D Y L N N L G I D V I W L S P M Y K S P N D D N G Y	NH
UniRef90_UPI	0003B3F095	T F D V F K G Y R F G N A F M P P T F F P G G R S W (GYNPSH
UniRef90_R6R UniRef90_L7E		DII IN GII I IE KII ID YII IK KII IGII IDIV I IWII IS PIVIY E S P O D D N G Y	/
UniRef90_A0R UniRef90_K6P		T YR QL AT ELEYV VE QGFTHVE ML PVA EHIDLQGLRQRLPYLQNLGVDALWLSPVYQSPQLDNGYVKDMGFNAVELLPVTEHPLDDSWY	FGGSW
UniRef90_G4K	(WI2	YVKDMGFNAVELLPVTEHPLDDSW	GYQCTG
UniRef90_Q0R UniRef90_A5F	K35	DI TGLTKKI EYFEKLGINAI WLTPI VEQIHOGVOI	SYGEH
UniRef90_A4E UniRef90_I0H0	JZ1 CD8	DL I SYVKYMGFTHIEL LPVSEFPFDGSWOTFRTAAERLPAVAAMGFNVVYLPPIHPLGKLNRKO	GYQP <u>VG</u> GRNNTL
UniRef90_M2X UniRef90_UPI	KXR3	T Y A GLAHI I E H L Q S L G V T A I E L M P V H Q F M H D Q W G Y D L E G V I R K L D Y I R E L G V D L V W L N P V Y E S P D L D N G Y	/ N T F G F
UniRef90_R2S	SJU9		Z D I S D Y
UniRef90_V6Z UniRef90_UPI	.3144 00034B8784	T F K R L K E E L P Y L V K M N Y T H V E F L P L M A H P L G V S W C T Y R E L A D K L P Y V K D L G Y T H I E L L P L T E H I	FDGSW
UniRef90_K6D UniRef90_G9V		T F K R L K E E L P Y L V K M N Y T H V E F L P L M A H P L G V S W C T Y R E L A D K L P Y V K D L G Y T H I E L L P L V E H L Y R E L A D E L P Y V V E A G Y T H I E L L P L V E H D L P G L T S R L P Y I K Q L G A D V I W L N P I Y E S P D Q D N G Y	F D R S W / D I S D Y
UniRef90_UPI0 UniRef90_B6G	000374F7DB	D L P G L T S R L P Y I K Q L G A D V I W L N P I Y E S P D Q D N G Y T Y R D L A A E L P Y V V E M G F T H I E L L P I T E H P L N E S W C	3
UniRef90_A3Z	X92	Y R D LAHQL VEYCLQQNYTHIELMPISEH	FTGSW
UniRef90_W5\ UniRef90_M1F	Y010 P6G1	I F A I T A D A L D R V A A M G F D T V Y F P P L H P L G E V N R K (Y R E L T E K L D Y V V E Q G F T H V E L M P V A E H I	RNNTL FGGSW
UniRef90_D2B UniRef90_UPI	BDI7	N WN S VA R E CT D V LGP A GY G A V Q V S P P S D S M S K C	GGSVWW
UniRef90_UPI	0003B728C1	DINGLIEKLDYVKSLG <mark>C</mark> NAIWINP <mark>C</mark> YDSPFKDAGY	Ž DVR DY
UniRef90_E4T UniRef90_G2R	KY9 RRR4	DIAGI IEKLDYLKNMGVDI LWIMPVQPLGEKNR I	X
UniRef90_UPI0 UniRef90_E4T	00035D50B3 XM4	TYRQLAEQLPYVTEMGFTHVELLPVAEHPFGGSWGTYRFILAVFILSYIKFMNYTHVFFM	GYQVTG FFGSW
UniRef90_N0E	3M6	SYRDLAEHLNYVKDLGETHVEFLPVMEH	YGPSW
UniRef90_C5M UniRef90_E6S	66C0	YRGLAEHLNYVRDAGFTHVEFLPVMEHPYVPSW	Y HVT G
UniRef90_W8V UniRef90_M2F	NNY7 PLS6	D F K GILT S RIL D Y L V D L GILD GILWLT P F Y P S P Q V D N G Y D QLIPYVK S L G F T HILE L M P I N F F P F D G S W G	Y DIVIS D Y G Y O A T G
UniRef90_R7B UniRef90_R6Y	3526	T F R A L T E KI P Y L K E L G L T A V E L M M P N E F Q E V M M E I	D G A D G N
UniRef90_R7F	YQ4	Y	3 3
UniRef90_T4W UniRef90_A0A	v248 .021XEF3	DLRGI I QKLDYI K DLGI DVI WVSPFYKSPNDOS WSDLRGI TKRLGHI ASLGVDAI WVSPFFKSPMADMGS SFAGLMEKI PYL K DLGI NAV L L LPCYEFDEI QAARDLAGI TARLGHI ASLGADAI WISPFFTSPMKDFGS DLAGI TARLGHI ASLGADAI WISPFFTSPMKDFGS THNGLSTGLDHI KELGVTHI HLMPSFDFNSI DNP	r Y DVS D Y
UniRef90_R6V UniRef90_UPI	VHG3	SFAGLMEKI PYLKDLGI NAVLLIPCYEFDE QAAI	KRPHGL
UniRef90_UPI	00035C4E09 000255A6C2	DLA GITARLIGHI A SLIGADAI WISPFFTSPMKDFG	Y DVS DY
UniRef90_G8T	783	THNG L STG L DH I KE L GV TH I H L MPSFDFNS I DNP(3 S Y Y N W

UniRef90_U1N7G6 UniRef90_F8CC48	90 100 110 120 GYNLTDFFHIASDLGDSEAYESFVDAAHDRGMTVLFDLVL
UniRef90_R4LTW6 UniRef90_H0PSP2 UniRef90_UPI000466526F	Y GVHPDY GTLADFQRLVDEAHKRDIRIHTSDQHPWFQEAR TPRPVDVGSPWAIGSDEGGHDAVHPQLGTLEDFRAFIRTA DIADYHAIMDEFGTMADFDRLLDAVHSRGMRLILDLVV GYYASNYFAIDPNFGSMDDARELVDTAHELGLYVFFDGVF QALHEDFGTMDDFQALLKEAHALDLKIIMDLVVNHTSDQH
UniRef90_R2QIQ6 UniRef90_L9PGM6 UniRef90_I3Z9C9 UniRef90_C4L5Q2	Q A L H E D F G T M D D F Q A L L K E A H A L D L K I I M D L V V N H T S D Q H G Y A S T N H Y R I D P R Y G S N E E Y R N F V A Q A R A K G L G V I Q D V V L F F A A D K V Y G P K N D L K E L I D E A H K R D M V V I L D M V L N H A F G Q Y A I D P S Y G T M E D L D E L I R E A E A R G I G L M M D I V V N H S S T E H
UniRef90_UPI00028984A1 UniRef90_W7T5N6 UniRef90_A4CNE3	RDI QPKFGDMQTFDTLLAKAHELGIKI LMDLVVNHTSDQH NAGPEDVGSPWAIGSRDGGHDAVAPELGTLADFKGFVHRA YFAPTSRFGKPEDFKVLVDALHRAGIGVILDWVPSHFPED
UniRef90_S2YHZ0 UniRef90_D6SP69 UniRef90_UPI0003B762E8	G Y QVT G F Y A P T A RL G T P D D L R Y L I D S L H R A G I G V I M D W V P F F A P T S R Y G T P Q D F M Y L I D V L H Q H G I G V I L D W V P S H F P T D L Y A P S A R F G D H E G F A R F V D G A H R A G I G V L L D W V P A H F P T D V A V P G D V G S P W A I G N K H G G H M A L E P Q L G T W D D W E Q F V A T C
UniRef90_A0A011PVA7 UniRef90_UPI000348F766 UniRef90_R6C271 UniRef90_S5ZUR4	GYFALLEHTYGTPEDFQDFVEECHLINNIIGVIVDWVPHLDT EEKRPERLHYWGYIKGCYYSPKSAYAYSR
UniRef90_E1R896 UniRef90_R6PSP3 UniRef90_D5RRD0 UniRef90_A6VVB3	GYDTVDFYHIDRRLGNNESFAGFAEEVHRRGMRLMLDGVF FNWGYDPVNYNHGEVRVKEAKEMVKTLHDNDISVVMDVY KAFAGDPGSPYALGSFAGGHDALHPFLGTIEDFRRIVAAA
UniRef90_A2TTB5 UniRef90_B7GEW8 UniRef90_B8JGQ0	LY A VT S R F G T P E D F K A L V D A L H Q A N I G V I M D WV P A H F P A D Y F A P T S R F G Y P E E L M T L I D A L H A S D I G V I L D WV P S H F P E D D I S D Y Q D I M E Q F G T M E D F D Q L L R E I H K R D M K V I L D L V I K G L H P D Y G T V D D F R Q L V A A A H A R G I R V V V E L V V N H T S D Q H
UniRef90_Q7NKP6 UniRef90_A0A010Z7C8 UniRef90_V9X9X3 UniRef90_S6AN48	K G I H P D Y G T V D D F R Q L V A A A H A R G I R V V V E L V V N H T S D Q H G Y N P R H P F A P E S S Y G K P E D L K A F V D A C H E R G F R V I L D I V L E D I M D E F G T M S D WE E L L K G L H E R G I K L M M D L V V N H T S D E H V A G P D D V G S P W A I G S D E G G H D A I H P E L G T E Q D F R D F V A R A Y F S P T S R Q G T P Q D L M F L I D H L H Q A G I G V I L D W V P S H F P S D
UniRef90_F7V236 UniRef90_B6XDU2 UniRef90_R6SPN9	LYSPTYRFGSVDDFLYL IQTAHQYHLKVI LDWVPAHFPTD YNWGYDPKNYNTPETRI REFKEMVIMALHQAGI RIV I MDIV VIY
UniRef90_I6Z8F1 UniRef90_R7IW65 UniRef90_R7FL38 UniRef90_UPI000349D529	Y Y S I K D Y K A I N P E F G T E E D F K H L V N K A H E M G F Y V M L D W V A Y H N F F H F Y E N E D R K W P D N G S E I D P S F G T M S D L E S L I S E C H S R N I K R S N A Y F Q K A V Q A H S I Y T I D P A Y G T M K D F E Q L L K E T H T R G M K L I M D L V I N H T S T S H
UniRef90_UPI00046316EB UniRef90_E4SXY3 UniRef90_E3GGL2	Y CI D PIL F G T M E DILIE NIL I A E A K K R DI YIL M F D MV F N H T S T E H R E D P L F G T M D D F E E L Q A K L A D L G V D V M L D MV L N H C S T E H T G Y F A A T S R Y G E P O G L M H F I D A C H Q V G I S V I L D W V P
UniRef90_U7DCN9 UniRef90_H1XUP8 UniRef90_J9SG85 UniRef90_G7WB91	F Y A V N H R F G T P Q D F Q E L V D Y L H Q N D I G V I L D W V P G H F P K D Y F A P D K Y Y G P A E D L K R L V D S C H V R M A V V L D M V L N H A T G Q C Y Y A P T A R F G T P D D F R Y L V D H L H S R D I A V I V D W V P A H F P K D Y Q A T G Y Y A C T S R F G S P Q G F M A F V N Q C H R A G I G V I L D W V P
UniRef90_W4ZF53 UniRef90_F2JPE9 UniRef90_R5ZME6	Y Q A T G Y Y A C T S R F G S P Q G F M A F V N Q C H R A G I G V I L D W V P R Y Q P M S Y E L T S R S G N E A D F R D M V E R C R N V D V L I Y V D A V I N D I S N Y Q G I M K E F G T M A D F D E L L R K V H E K G M K L I I D L V L K G S F S I P N E K L N Y W G Y T D G Y I F S P K A S Y A Y A K E S G S E V D E K Y D T Q D Y D Y I D P H I I V V E D G G S P L V F E K F N N N H A T M Y I Q R
UniRef90_N1ZN90 UniRef90_UPI0002E11C75 UniRef90_UPI0003B3F095 UniRef90_R6RT01	
UniRef90_L7EHU5 UniRef90_A0R1Y4 UniRef90_K6PVE2 UniRef90_G4KWI2	PFALTEYGGPQAFKQLVKEAHRHGIAVILDVVYNHFGPGDGYNPVSFFAPNTSYSSEKEFNYLIRELHDNDIEVILDVVFDISDYRKIYEKFGTNADMENLIEEAHNRDIKIVMDLVAGYQVTSYYAPTSRLGTPDFRYLVDALHQAGIGVIVDWVPYQIDPMFGTSEDMNALIADTHARGMKIIMDFVANHTSDQYYFAPTSPFDFMWFVNHMHKNGISVILDWVPAHFCKDEQGL
UniRef90_Q0RDE4 UniRef90_A5FK35 UniRef90_A4EJZ1	FQILPEFGDLGDFVSLVDEAHRRGIRIIADLVMNHTSDAH GYWAKDWTALDPNFGTKEDLANLVKKAHEKGIRIILDGVI LVARTUREGPRNEFRDLVDAAHAAGUGVIIDWVDGHERDD
UniRef90_I0HCD8 UniRef90_M2XXR3 UniRef90_UPI0003FDB4EE UniRef90_R2SJU9	V A R P E D V G S P W A I G S D E G G H D A I H P Q I G T I D D L A P H L D Y S S A S N P S G V V A E F K A M V R A Y H E A G I E V I L D V V Y E A I M R K A G T M E T W E R L T E V H R R G M K L M M D L V V N H T S D R H T A I N P I F G T M F F F O I L I F R A K F O G I T V M I D M V L N H V S I F H
UniRef90_V6Z3N4 UniRef90_UPI00034B8784 UniRef90_K6DNT0	TAINPLEGT MEEFQLLIERAKEQGITVMLDMVLNHVSIEH GYFAFEHTYGTPEEFQDFVEACHLQNIGVLVDWVP GYQVVGYYAPTSRYGTPQDFMYFIDRCHQEGIGVLIDWVP GYQGTGYYSVTSRYGSPHEFMEFVDKCHQHGLGVILDWVP
UniRef90_G9WHA9 UniRef90_UPI000374F7DB UniRef90_B6G8Z2 UniRef90_A3ZX92	GYQGTGYYSVTSRYGSPHEFMEFVDKCHQHGIGVILDWVPRKIQPVYGTMADFQTLLDRAHEMDLVVNHTSDQHRWFQESYQTTGYFGVTNRFGSPDDLKFLIDACHQANIGVILDWVPYNTRDLTEIDCRLGTNKDFARVVDALHACGVRVILDAVFGYQAVGYFAATSRYGTPEDFMYFVDYCHQHGLGVLIDWVP
UniRef90_W5Y010 UniRef90_M1P6G1 UniRef90_D2BDI7	T P E P T D V G S P W A L G S K D G G H D A V H P R L G T F A D F E A L V A K A G Y Q V S G Y Y A P T A R W G D P D E L R A L I D A F H A R G I G V I V D W V P D L Y Q P A R Y T L N S K F G D E N A F R N M V R A C H D A G V K V H A D A V V
UniRef90_UPI0004789D96 UniRef90_UPI0003B728C1 UniRef90_E4TRY9 UniRef90_G2RRR4	K K V A P R Y G T N E D L Y R L F G E A H N R G I H V L L D L V P G H T S E E H Y Y S I K D Y T A I N P N F G T L E D F N K L V K T A H E N E M I V L L D W V A F V I Q E E Y G T M E D F D R L I T E A H K R D L K I I M D I V V N H T S T E H
UniRef90_UPI00035D50B3 UniRef90_E4TXM4 UniRef90_N0E3M6 UniRef90_C5MJ56	F Y A P T A R L G T P D D F K Y L I D A L H Q A G V G V L M D W V P A H F P R D G Y Q V V G Y F A A T A R F G T P Q D L M Y L I D R L H Q N G I G V I M D W V P G Y Q V T G Y Y A P T A R F G D P D D F K Y L V D V L H Q N G I G V I L D W V P E D I N P D F G T L Q D M Q N L I D G C H E R G M K I I C D L V I N H T S A D H
UniRef90_E6S6C0 UniRef90_W8WNY7 UniRef90_M2PLS6	Y Y A P S S R W G T P D D F R H L V D Q L H Q A G I G V I L D W V P G H F A T D C D I N P D Y G D M T D F R A F M K A A D S R G I K V I I D L V L N H S S T E H Y F S A T S R Y G N P H Q L M Y F I E Q C H K N D I G V I M D M V L A H F V K D
UniRef90_R7B526 UniRef90_R6YL52 UniRef90_R7FYQ4 UniRef90_T4W248	PYATGTPTGRLNYWGYGAGYLFAPKASYTSGKEKEPEREF YNWGYDPQNYNTPEGSYREFKQMVMALHQAGIRVIMDVVY YOWTGYYAPTSRYGTPEDEAWMUNYLHRNKIGLLDWWYP
UniRef90_A0A021XEF3 UniRef90_R6WHG3 UniRef90_UPI00035C4E09	DISDYRDIMDEFGSMKDFDELLDEVHKRGMKLIIDLVI CDVDPMFGTLADFDAMLAEAHRLGLKVHTSDQHPWFVESR PAGEVPAVRTAEDEAKQKSTVSKNDQVKLNYWGYGQSETY GYDTHSYLEVSPKFGDKALLKKALDEAHKRGIRVLFDFVP CDVDPMFGMIDLVLSHTSDQHPWFAESRASRQNPKSDWYN
UniRef90_UPI000255A6C2 UniRef90_G8T783	CDVDPMFGMLDLVLSHTSDQHPWFAESRASRQN <u>PK</u> SDWYN GYDPVNYNVPEGTYATDAELKQAISTLHANGLRVVLD <u>V</u> VY

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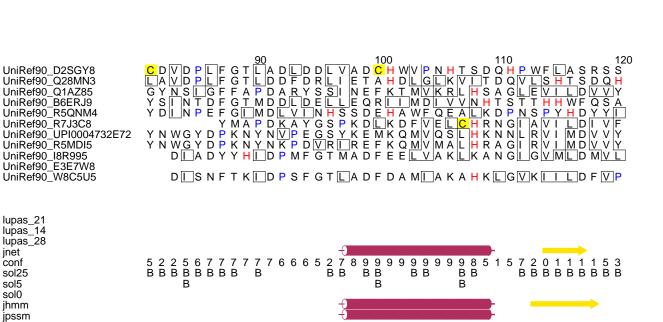
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sol0 jhmm jpssm

370 380 390 400 L VR R L A A L R A G S P T L Q T G R Q R MVD A G P G V L A WL R E D D F Y K D A I A F R K S S P A L S H G T T K F L S L P E P L L A F R R F V F VR R M L R L R R E H P L F R R R S F UniRef90_D2SGY8 UniRef90_Q28MN3 UniRef90_Q1AZ85 UniRef90_B6ERJ9 UniRef90_R5QNM4 UniRef90_R7J3C8 UniRef90_UPI0004732E72 UniRef90_R5MDI5 UniRef90_I8R995 UniRef90_E3E7W8 UniRef90_W8C5U5 A Y Q A MC NLRRNNPDLFNGTFTQVGMNTQSFSTNRIIRINN Y MKGLIEIRKKYPVFRMTTASEIRQNLAPKNVVAYTLEGKYVRGLISMRKAHPAFRMGSPELIRIYVPATNVVAFRIKGCYYQQLIQLRKTMPIIADGG YQSWRLDDPQVFGYWRTYHHIRQLNLIRRAVPALQKGQYSTENVT GNLAFKRRYTD lupas_21 lupas_14 lupas_28 jnet 9 9 9 9 3 0 2 3 1 2 5 7 7 0 4 7 8 7 0 5 8 8 8 4 5 8 8 9 9 9 7 1 6 8 BB BBBBBBBB 9 9 B B B B 9 9 9 conf BBB sol25 B B B B sol5 В В sol0 В jhmm jpssm

UniRef90_D2SGY8 UniRef90_Q28MN3 UniRef90_Q1AZ85 UniRef90_B6ERJ9 UniRef90_R5QNM4 G D R E I I AL I N P N V D G A A K N V G Y S V Q K I S N H Q L S S S R N L T N K N Q L T I I H N A N S N E I K M N L S L L V D G K K A G T K S I K K I K S D G D K W L N T I V V L N A R T E P I K V N I P E G K Y W I A C R D I D L V L G L Q Q K L L S A K G I D S F A L V T I S G N A T F S G I P N G T Y V D A V T G D UniRef90_R7J3C8 UniRef90_UPI0004732E72 UniRef90_R5MDI5 UniRef90_I8R995 UniRef90_E3E7W8 UniRef90_W8C5U5 lupas_21 lupas_14 lupas_28 jnet conf sol25 B B B B B B B B sol5 ВВ sol0 jhmm jpssm

lupas_21 lupas_14 lupas_28 jnet conf sol25 sol5 sol0 jhmm

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