## QUERY

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 GR G K V E L K R I E N K $\quad$ N R QV T F A K R R N G L L K K A Y E L GRKKIE K R EN T SNK QVTFSKRRAGLFKKA GELSVLGCA VQLRRIENKINRQVTFSKRRSGLLKKAHEISVLCDA
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GRGR V $\begin{array}{cl}\text { G } & \text { L K K K } \\ \text { G }\end{array}$
G R G K I $\quad$ E I K R I

 GRQRDQMAKMDNESNLQVTFSKRRSGLDKKASELSTLLCGA GRQKII EMKKMKNESNLQVVTFSKRSFGLFKKASELCTLCGA
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 GRGKI E I KRI ENYTSRQATH
 GRGKV QMKR


$R G K V E M K R I V N A T S R Q V T F$


G

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 GRAKIE $\square K K I E N P S A R Q V C F$

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 GRRRKI K M E M V Q D M N T R QV T F S K R R T G L F K K A S E L A T L C N A
 $V$ QLKRMENKINRQVTFSKRRNGLLKKAYELSVLCDA

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 G R G K V $V$ E $\operatorname{E}$ V R R R I D D N S V




 GRRRVEMARMQNQSNLQVTFSKRRDGVFKKATELSTLCGA

## G R R

GKRR A
GKKKLE K R E NKSNR QITF KRRRGLIFKASTLCTLCNA
 GR G K I E M K K R I E N S S N R Q V T Y S K R M K G I I K K A K E


## G



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GKTKMEMKRI QNPSRRQVTFSKRKNGLLKKAFELSVLCDA



 GR G K i RGRVELRRIEDRTSRQVRFSKRRSGLFKKARELAVLCDA A R G KV QMRRIENPVHRQVTFCKRRMGLLKKAKELSVLCDA
 K G K I A I R K I N C S K S R QV T F F GRRRKIAILK PI D N Q N S R H V T F S S K R R L G L F K K A S E L C I L S G A GRRRTQMWMIPGADARQVAFSKRRSGLFKKARELCTMCAV GRRK RMENK $\square$ N QVT F

 | $L$ | $H$ | $E$ | $R$ | $N$ | $R$ | $S$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |



RRR
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UniRef90－Q5Z5L9 UniRef90＿MOS4B5 UniRef90－Q6PL55
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 KKVEMRKMNNEEDRLVSFSKRRSGIYRKASELSTLCGA GRRKI ETQPDTTERNRSITFQKRKNGLFKKAYELGVLCSV GRRKIK】DYI QDKARRHVTFTKRKSGLMKKAYELSTLTGT GRGRVELKRIEN NRQVTFAKRRKGLLKKAYELSVLCDA KK】ENQTNRQVTYSKRRNGLEKKAHELTVLCDA GRKKLETKRTEDNSARMIGFSKRRNGLVKKAKELSALCDV GQREMKIEP QDLEQRRUVFSKCKRGLFKKAAELSULCGA GRRK E：EFELREDRSRATTF GRKKVELKR1 EKKICRQITF
 NRQVTYSKRRAGIVKKAQELTVLCDA ARKRVTLELTSNESARKVTMKKRKAGLWKKDNELTTLCGV GRKKTVIRRIEQDDAPHVQFSNGHMGFFSKASNLAVLTGA ARKKVKIAYI DNNSARKATFNKRKKSMMKKLGELSILCGV RKKVKMKKVEDYADRMDTFSKRKGGMEKKMNEFVAMCNV RQKIQLKMITCKVKRIVAFKKLWESLVKEAHEHHLKTGE RQVTF
ARKKVDDSY $\square$ TNARKRKAT GRDK冋KTKK冋DSTNAROTYSKRAG IKKAKELTVLCDA ARRKVKLAWLANDSARRASLKKRRLGLLKKVSELTTLCGV RKKVKLAFIENNSSRKATFQKRKKGILKKVKEISTLCGV GRVKLKIKRLENTNGRQATYAKRKNGIMKKASELSTLCDI
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|  | 70 |
| :---: | :---: |
| UniRef90_A0A022RBIO | D $V^{\prime}$ A\|LI M F S P T G R L T S F S S T GVEED|I |
| UniRef90-M2Y616 | DVSLVIFS P S G K M E E Y Q S E K WVTL F |
| UniRef90_Q5G0F6 | E I A L V I S S S T G K M S D Y $\square$ S P S T T K I L D K Y Q K |
| UniRef90-S8CHR3 |  |
| UniRef90-W5GF61 | QVAVVVLS S T GK H H H F C S D D 1 K GIL L R Y Q Q |
| UniRef90-M1AZT9 | NVVVLLFSPS GKPYSYGNTSIIEKI T D K |
| UniRef90_A0A059C793 | EVGIV T F S P A GKP Y S F S HP SI ESI A N R F R N |
| UniRef90_E2LMH9 | DVAVI IF E ERPKLF Q Y C S S Ni D DLVARHQRH |
| UniRef90_M4DUQ4 | EVAI FVVF S P S G K V Y S F G H LDVE T I I NRFE |
| UniRef90_C5Y7F1 |  |
| UniRef90-W5A7U4 | SLAVVVVFSEAGKGFAFGSPSTDAVL |
| UniRef90_Q0TZ66 | DVAVI I F G H N K K L Y EFS S G D 1 NETI GRYQ |
| UniRef90_Q69WG7 | EVAMLVKSPAGKFFSFGAPSVGFVLSRFH |
| UniRef90-K7QUX2 | TVSLI MFSNTGKCHEYTS P S TKEI Y D Q Y Q K |
| UniRef90-UPI0002C3631A | QI AII T F S P A D R PFT F G HPSEDSVIDRYY N |
| UniRef90_UPI0004417859 | DVLVIVVNKKSRLYEYCS G D A Q Al L K R HREF |
| UniRef90-M4ED14 | KI AVVTTFSKCGRIYS F G H Vid L M $\quad$ K Y LR |
| UniRef90_A8QYW0 | DVALI IF S S T G K L F D F A S S S M K I L G K Y KL |
| UniRef90-Q8S151 | DLLLLLFSAS GKLYHFLSSPTVPSVVERYE |
| UniRef90_I2K1S1 | DVAVI I VGHNRRI Y Q Y T S D D A G NIL D K Y |
| UniRef90-M7YI20 | EV S L L V F S P A G R L Y E Y A S S S |
| UniRef90_Q5Z5L9 | QVGVVLVFSSTGRLLYDYSNSS |
| UniRef90-M0S4B5 | DLVLLMFAPNGKPTVCDRSNDEEVVARFS Q |
| UniRef90-Q6PL55 | EVALVIFS GRGRLFEFSSSSVHKTLERYR |
| UniRef90-R7W8D2 | EVALL 1 VFSSNGRLYEFANAGI E |
| UniRef90-W9QR74 |  |
| UniRef90-M8CDX6 | QVGVI I F S S T GRLY EYANS |
| UniRef90-F4PTQ5 | QVLLLVASETGHVYT F A T P K L Q P L IT K |
| UniRef90-A0A022R1J4 | DLAAI I F S NRGKLFQYCSTDREK |
| UniRef90_V4U5S3 | EI AVVVFSQS GKPYTFGHHSVEAVANRFL |
| UniRef90-T1EJL4 | EI AI I I F T N S NRLF Q Y A S S M Q il IM K Y A Q F |
| UniRef90_B3S610 | EI MVLVASET G HVYTFATPRLQPIV |
| UniRef90-W5EQ68 | DL ILL M F S P S GRPCVVGDKS P I D EVI AK Y A Q |
| UniRef90_UPI0002B4AF6D | D I AL I VFS A S G K L F D Y S S S |
| UniRef90-Q56NI5 | EVAL I I F S S R G K L Y E F G L L T A K T L E R Y Q R |
| UniRef90_UPI0003F48C6B | QVLLLVVSET GLVYT F T T P K M P P MVQ |
| UniRef90-M1AST4 | KVAILVFSS S GKPY T C G |
| UniRef90-M4DLM3 | DL ILL M F S P G G K A L C CRS S $\square$ E EVIS K F S Q |
| UniRef90-_Q69TG5 | DVALVVFSSTGKLS QFASSNMNEI I D K Y T T H |
| UniRef90_UPI0001985740 | EVGILAFSPNGKPFSFGHPClK S I T N K |
| UniRef90-S7RHX4 | D I AVVIFER T K K C Y E Y S S D D L S Di VMRRMS F |
| UniRef90-M7XK13 | D CFVLVVSES GAVY T F S T T AL S GIITD H |
| UniRef90-K7QT86 | QVSLVI F A G S G K M E F C S P SVVDI LD R Y Q K |
| UniRef90-K9LXK1 | EVALIVFSNRGELHEFCSS |
| UniRef90_Q6QVY2 | K V S L M M S S T Q KL H E Y $\square$ S P T T K QLFP N Y Q K |
| UniRef90_Q84LD9 | EVALI VAFSTKGKLIEEYAT D CMEKILERYERY |
| UniRef90_A0A022QID2 | DVAA FFSKRGKLYEYCNANSCSF |
| UniRef90-A5AEZ6 | DTALVVFSPQGNVHSFGSPSVDSIINRFL |
| UniRef90_R4X9N4 | QVAVVVFS QQDRLF T Y S N A P CS DI CTK F L E |
| UniRef90_B7FM89 | DILLL MFSPTGKPTQGERSNMEEIIAKFAQ |
| UniRef90-U5GR16 | QVAL L VFS S S G K LY EF |
| UniRef90_A5BG59 | D ACVI TYS P Y HPEP QVWP S EVEEQVIA A F R |
| UniRef90_K7QT85 | EVSL A I F A S S G K M H E F C T P T L T KII L EG Y HK |
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| UniRef90-I3EEB9 | EILLLVVASETGHVYTFATPKLQPIIKQHEN |
| UniRef90_A0A058ZF63 | QVLLLI ASESNHLTFTYATSKFQPLLTR |
| UniRef90-A5BND2 | E ACAVVYS P Y D P QP EVVWPSPMEAV |
| UniRef90-M4D5K6 | QMVLI FFS PS GKLFL L F D T T RMEETI |
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| UniRef90_UPI00032AB851 | RI GL S GY TP G G NLFAF GSPTVEVVTNEFLN |
| UniRef90_H6ULY0 | EVAL IIF S S R GRLFEFSTS SMYETLE Q Y R |
| UniRef90_M1DQR0 | DL GI Fi S S Q T GKPY SFVHP T T NVVID R F 1 |
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| UniRef90-Q6UTZ6 | $N \mathrm{~V}$ A V AVVLS P A G K P F F F G C P TVVQ AV TR R |
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| UniRef90-K3Y0D0 | DVALIVFSATGKLSQFASS |
| UniRef90-R0GCL4 | HI A FLGYT DS GKPFTFGSPSFQAVAERFLN |
| UniRef90-K4B0J4 | RVTTSVVIS P F G K P Y T Y G NVNSVIK K Y |
| UniRef90_W6V099 | RVA I L I L T NKNRMHKFASHDLSSVVKQYND |
| UniRef90_V4MFL6 | EVAVIVFSKS GKLF QFASTSMTQMLMRYQNY |
| UniRef90_UPI0002C3F296 | QV S L MVF K E K L VVY S T S D K K T L L E F V Q F |
| UniRef90-M1VEA1 | EI GIV VIF NHNGKLVEYSSSK GEDS LVD |
| UniRef90-I3WES9 |  |
| UniRef90_UPI00042B4A88 | AACAI DFSTYDAQPD』WPSPIENVLEKFKN |
| UniRef90-M8BZY6 | QVAALTSSPGGNAFSFDHPSVDPVVERFL |
| UniRef90_UPI0002C2E073 | DACAIVYSPFDS QVEVWS SQVENVLEKFKN |
| UniRef90_R014Y6 | EVA LLVFS Q A GKA YTFA Y P S M E EVAARDK N |
| UniRef90_S6BIJ3 | KACAVIYSPYNSTPEAWPS GVEEVASKFME |
| UniRef90_K4B6N5 |  |
| UniRef90-G8IFP0 | EVALVVVFSNRGRLLYEYANNSVKTTIERYKK |
| UniRef90-V4KU14 | EVALIV H S P S Q K VF S F G H P NVETVI DRFKN |
| UniRef90_K7N1T1 | EACAI FYTPNNPQPEVWPSDAQSVLSRFRK |
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| UniRef90-UPI00042B5297 | D A C\V I 1 Y SPTEPVVWPSHDVMQQQLARFQ |
| UniRef90_V4MC05 | T A CAI I Y S P S N P DVWP S T S GVR R V V S D F Q |
| UniRef90-G7KGN7 | D I L L M F S P G GK P |
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UniRef90_N1R236

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30 AKELS C D GRNK VMKAEEARAATFSRRKKTLFEKSGELSTLTGA EDPISRQQFYSKRKDTILKKSNELAVLCDT RSKIQIQKI VNDAARQVTFSKRRKGLLKKAQELSTLCDA ARKKVSLQWI ANDATRRATFKKRRKGLMKKASELATLCGV GKQR\|KIEYIEDKEKRQVTFSKRKGGLLKKASELHLLCGA KRKYPMVKMKNETSLQDTFSKRRSELFKKTSELSTLCGA KRKYPDKYDENRTRRHVTFAKRRHGIMKKAYELSVLTGA NRQVTYSKRRNGIIKKAKEITVLCDA GRNKTKTAPTANSKARSTTFSKRRFGLFKKAYELSDLTRS GKQKปP $\backslash K F I$ RERARRHSTFSKRKTGMMKKAVELAELTGA MEKI ANVAARQVTDTKRRKGLFKKAEELSVLCEA
 (1) KRKAEDKKDTDKSSKAVTT NRQVT GRRKIEMKKMTNKSNLQVAFSKRRSGVFKKASELSTLCDA
 RRAGI HYI RNNNSRRATFFKRRAGLYKAAADLSTLTGA RSKLKLSF:ANNSDRRATFRKRKGGLMKKLHDLTTLCDV
 GRKK $\downarrow$ PIKF TTDPEARKSCFKKRVGGLFKKAWE NLLANV GRQKTPTCLIERKDKRNVTYSKRKNGLLKKAKE: TVGLCDA ARKKIVLDRIANDATRRATFKKRRRGLVKKASELSTLCDV ARKRSALTYYNDDKERDFTFSKRRGGLFKVAADLSAVTSA ARKKVTLQYI PNDSTRRGTFKKRRRGLMKKASELAHLCDV
 GRGRISMELI QKEKSRKTTFQKRKNGLLKKVNEFSILCDV
 KATFSKRRRGLFSKATDLCCLSGA TNRQVTYSKRRNGLFKKAGELAVLCDA GRKKDDRKRDECSKERSDKYSKRKNGLLKKAQEDEVLCNT GRKKIELKRI ECQKERSSKYSKRKKGLFKKAEEMAVLCDV RKKLKLAFITNDSSRKATFKKRKRGLMKKDNELTTLCGI ARKKVALRY LDKKSRCSTSKKRCEGLRKKAEELADMCKA NMEYI EGKNKRSVTFSKRKKG1MKKAFELNVLTGT KRKTKMEKI SKREYRATTFSKRCSGLHSKAAQLCLLADA AHKKVALRYI HNRSTRRVTFKKRRNSMMKKAGELGTMCNT RTKLVLKLIENEKKRKATYKNRRDGLVQKVSQFSTLCGV GKQK De $\square R F \square E D K$ RREVSFSKRRAGLFKKASELRVLCGA NLNNRKV
 ARKKVALRYIRNDSARHNTGKKRSKNLMKKAGEVATLCNA
 GRGRVEDRI ENDKKRNDTFTKRHANLFKSASNLSTLTGV




GKTHARMKENARORRNLLKKAYE GRAKLKMELITKEKSRNATFKKRKEGLLKKLY KGRIKIEPMTNSTARNQTFRKRKTGLLKKANEDTLCNV GRRRIEIKKTPSESARRTTFNKRKQGLFKKAYELSVLG GRKMVKMTRITNEKTRDTTYKKRKACLYKKASEFSTTCGV GRRKIE 1 QP $\|$

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TNRQVTYSKRRNGLFKKAHELTVLCDA RKSVEDKFПKDKRAESVR\|SNMLKTLSKKANELSILCGV GRRKLK LRLESVKARQVKYSKRKLGVLKKGKELATLCDV ARACKKRRNGL LKKAYELSILCDA ARRKIQIKRIENITNRIITYAKRRNGLFKMAQELTVLYN RRLGIAYVHDDKEHDVTFAKQRGGLFKSAADENATCA RKKVKMEKYENEAARYASFDEHRLSLYKLAGDLVQQHDV

| UniRef90_Q6UGR1 |  |
| :---: | :---: |
| UniRef90-B2ZX88 | EACMI CFGPHDKIPDVWPSKALEVIERYRR |
| UniRef90-L116D5 |  |
| UniRef90-K4ATM5 | HVTIVAFSPTGKAYAYDSSNNFDTIERFLDN |
| UniRef90-H9NLN9 | KVSLI I FASSGKMREYCTPSTP |
| UniRef90-M2MFK4 | DVAVI I FGHNKKLYEYSSSDINEII GRFQYY |
| UniRef90-M1BQY4 | DVAVLLDSPSGKPYSYGSTSIE EVV |
| UniRef90-UPI0003D2496C | DVALL MFSPAGQVTS Y S S E V E |
| UniRef90-G8D3E3 | EIGLI IFSSSG VTHVIQKYARH |
| UniRef90-K3YYW4 | RACVVVYGAGESQPEVWPEAAEDVVARFR |
| UniRef90-UPI0003D71167 | NAFIII Y S P S P A M WP S R VVEELL A R F N |
| UniRef90-C5Z3R7 | HVAI V |
| UniRef90-V4LLQ8 | KI AI I V Y $\square$ P GRKAFSFDHPNVET\\|IDRFLN |
| UniRef90_C5DWY8 | NVLLLI LISNGLLVYTFTTPKLEPVV |
| UniRef90-D1KF38 | QVSLVIFASSGKMHEYCSPSAPNILDKYHKH |
| UniRef90-D0TZ44 | KVSLIMFSNTSKCHEF $\mathrm{S}^{\text {S P S }}$ - K EVFDRYQ |
| UniRef90_W6U5K4 | HVKILVIT DK G CLIYEYASPC |
| UniRef90-H2KVF3 | EVLLLI ASETNHVYAYATKRLRGI |
| UniRef90-A0A022Q6V4 | QI GLLI DS S S S K F F NYATTS MK DI I E R Y N LH |
| UniRef90_K7X6P7 | QI ALL LVFS S S GKPYVYG D |
| UniRef90-W51728 | EVAL V VFS PA GRLYEFVSSDTRYTVYP YVYY |
| UniRef90-D2GV51 | EI ALI I F NSANRLFQYASTDMDRVLLKYTEY |
| UniRef90-11H3Q8 | RVAIVLETDSRKMHSFGTPSADP |
| UniRef90-UPI00032ABC36 | NVAI IVFSPADKDFCFGQPNTDTILKSYL |
| UniRef90-M4DCK2 | QI AILATPSSSHFFSFGHSSVD |
| UniRef90-O65129 |  |
| UniRef90-K7LMR8 | EACLII FS |
| UniRef90-B9GRC0 | D A CVI I F GPKEKAPETWPPSSEE\\|INRYK |
| UniRef90-K3XQK2 | KACVVAYGEGQAQPEVVWP S A |
| UniRef90-C5X8V0 | R $\square$ A $\backslash$ VLES E NGKMSSFGTPS |
| UniRef90-S6B3X7 | K ACAVVYSPYENPAVWPSTEVQEVVSKFLE |
| UniRef90-Q9SBN8 | EVAJLI I FSSRGN |
| UniRef90-14Y5C8 | QVLL L VVSES GLVYT F T T A K L S PVV |
| UniRef90-N4UKR4 | RVSLI I ESEKGAEYVFDPTE |
| UniRef90-D8RRV5 | VELLVYHEETKKFYRFVSTD |
| UniRef90-F6KYM3 | MVSLI I F S G S G M MVE Y A S R P L G E I D K Y H K |
| UniRef90-B3S611 | QALVILVPTTSNVYTYSTRNFQSML |
| UniRef90-11NMC7 | DACLVVYGEGDAEPEVWPSTAMNVL |
| UniRef90-M7ZVG6 | R VAI V VEKENEKMHSFGTPSADPIVD |
| UniRef90-K3XSM5 | K ACVVVYGESKAQPEVWPSEARRLLDKYRD |
| UniRef90-R7W4A7 | RACMLVYGEGETVPEPSHDGAVKILNDFKK |
| UniRef90_G7JY85 | PACAII SNPFSSKTEVVWPGARQVIERYQN |
| UniRef90-M5W7K7 | NGLII V Y GPDSDEPVVWPPVVQELL |
| UniRef90-UPI00032A5EA8 | DVClVI L Y APNFEGQGYAEPEVQRILQ |
| UniRef90-F4.J9K4 | EACAVI YSPFNSNPEVWPSNVKNVMENFE |
| UniRef90-J9J5P0 | Q I VLTI Y D D Q K LI Q Y K S |
| UniRef90-UPIO0046DD6D8 | Q 1 AI I TFSPGNKTFLIF GNPSAKAV |
| UniRef90-D0TZ60 | KVSII MLS GTNKVHEFHSPSVKQLFDQYQQ |
| UniRef90-ROHFL4 | DIAALI I FSPKNKANDYHSGSFGKILEKFCK |
| UniRef90-V4M231 | DIGGLLVFSPTSKPTLFHSRSLSSILD |
| UniRef90-S8DP82 | D A C AVVYSPYDPKPDVWPDPVRRILSQ |
| UniRef90-M8C777 | KACVVVYGEGEAAPQVFPSPAEPVLNRYKN |
| UniRef90-J9DN33 | EILLLVASESGHVYTFATPKLRPII D D HRD |
| UniRef90-M4F8M2 | QIAAILATPPSSQFFSFGHSSVDAVVNAYL |
| UniRef90-M8CME3 | KACVLVYGEGSSVPHPSHADAVAILNRYKD |
| UniRef90-J3L6X2 | DAFLVCFGPAGGEVTTWPPDRGEVLKR |
| UniRef90-D0TZ62 |  |
| UniRef90-J3MEH4 | SVAVLSVS |
| UniRef90-G7IJJ5 | EVAVIVFSTTGKLYEFSS |
| UniRef90-UPI000350EDA5 | DI A AVVFSPADKAFSFGHPSVES\\|LDLFLDD |
| UniRef90_UPI0002C332BB | QCSVI I YKPNGQLYPENPEEVKQI I DRF |
| UniRef90-M8BDH4 | KACVLVYGEGAMVPEPSHAEAVAI L N RFK |
| UniRef90-N1QVQ8 | RVAVVLETNNGKMHSFGTPLADPIFDAF |
| UniRef90-A5ALU3 | EACMI I CCPNGNQPCVWPENVERIINKYIN |
| UniRef90-T1LES0 | RVAVILEKESGKMHGFGMPLVEPIVDSFM |
| UniRef90-T1LGE1 | D L GVL |
| UniRef90-E1AVV0 | KVSVVIFGSSGKMHDYCSPNTSLVLDTYQK |
| UniRef90-M4EEA4 | TQIAILATPHAGFYSFGHSSVDHVV |
| UniRef90-C5XG58 | DIALV CAGPDGGAPAVWESDPGVVI DRYRR |
| UniRef90-D8REF5 | QVVVKVDQPKGKSETFWKPDHENKI PKYND |
| UniRef90_V7C2K5 | EHCLIVFDDDGPVTSPQNPEVHSMIQKYYE |
| UniRef90-M4DLJ5 | E $\square$ ALLI FSNRGKLYEFCSSPMAKTIEKYRKH |
| UniRef90-A0A059ARR2 | EMAIIVLSPRGESFYFGHPSMDA |
| UniRef90-M1CBS4 | NGLMI MYGPKQGNGSDSSPEI |
| UniRef90-M4DVK8 | KVCVVINSCDNTETEFWPSREDA |
| UniRef90-X0GXG3 | DLTVTVTNEQG |
| UniRef90-Q9FM69 | DTCVIVYGPSRMEPELDWPSKVREILTKYRD |
| UniRef90-S7RF07 | DVAVI I F EERPKCYEYCSRDIRDI I DRHNHF |
| UniRef90-Q6T4U2 | EVSLI MFSTTGKFFEYCSPSTKKIFDRYQQ |
| UniRef90_O65123 |  |
| UniRef90-UPI0003D27092 | DI GIV VLFSPANNPFSFFHPT |
| UniRef90-Q7XJD6 | KV SIL MIS S T Q K L He Y I S P |
| UniRef90-M1DEI3 | EIAIL L F L I G S Q F F F G NPDVDSVVHQY LE |
| UniRef90-B9RQX6 | DLGGLIMFSPSGKP |
| UniRef90-G7JTA2 | HAAI I VFSPGDK LF CFGQPDTYSVLNSYDK |
| UniRef90-A0A023JBW7 |  |

UniRef90_Q9C6V3UniRef90-A0A023JBZ5 UniRef90_M4E6W6 UniRef90_K7MWL2
UniRef90_UPIO002B43E09 UniRef90_UPIO0032A696B UniRef90-K4AK50 UniRef90 W9RY52 UniRef90-A0A023JC51 UniRef90_M5W8R2 UniRef90_Q2TM82 UniRef90_J3MDK6 UniRef90_J3KYX0 UniRef90-A0A059B0J0 UniRef90-M1D936 UniRef90_K7L5R6 UniRef90_G4VMT5 UniRef90 UPI000350D3E9 UniRef90-K7XWP0 UniRef90_A0A023JC04 UniRef90 L1ICB4 UniRef90-11MZR3 UniRef90-M5W6M6 UniRef90-M1DCL7 UniRef90 R0I851 UniRef90-I1IQ25 UniRef90-J3LQE5 UniRef90_Q84KS1 UniRef90 V4M207 UniRef90-UPI00034FC956 UniRef90-K7LR39 UniRef90-L1IH17 UniRef90 F8T7M7 UniRef90-M1DX01 UniRef90 F4K2U3 UniRef90 M1C1S3 UniRef90-I1LLWo UniRef90_D8X2D6 UniRef90 UPI00042B1497 UniRef90- S6BIP3 UniRef90-UPI0003D26810 UniRef90_M1C7X3 UniRef90_M1DCV6 UniRef90_W1NT98 UniRef90_UPI0002BCA277 UniRef90 K4C585 UniRef90-A0A023JBL5 UniRef90_M4EXF5 UniRef90_16LAR2 UniRef90_W1PW95 UniRef90_G8FXW7 UniRef90_B9G256 UniRef90 Q5KTK0 UniRef90-A0A023JC19 UniRef90_C6T938 UniRef90_D8RGV5 UniRef90_K3XPQ9 UniRef90_V4KPE9 UniRef90-A0A022REW6 UniRef90_B3U179
 GRRKVTHQLISDNATRRVTFRKRKHGLLKKMNELTILCBL GRARITMKCISNERCRLATLKQRRNVLIRKIDQFTKMCGV
 $E N P K K R R A T Y K N R R D G L V Q K T S Q L A T L C G V$
$E V S N N L Y V T F S K R R K G L F N K A G T L C A K Y G A$
 KRRMGLLKKAHEI SVLCDA
 GRGRTPHGLVPNARARRI A YEKRKNGLMKKAREFSVLCGV
 GRRKDEVQKI EDKNKCVATFRKRRDGLFKKADEDHRLTGA GKIKI QWI AEKAVRQAAFRKRHTTLFDKARDLSILCQV





VRFSKRRAGLFKKAFELALLCDA KKVNDQHTTDDATRQADYKKRCKDLMKKVRELSSL HGV

GRVK GKLKMLT:GNDSKRKNVCKKRKQSLLKKTEE KKAH
 K R K $\square$ E $\square$ K K R E T K E QRAV T C S K R R Q T V F S K A A D L C L I S G A KETSRMVTFSKRRKGLFKKAKELESMTGS
GRKKVK LIAF $\square$ ANNTKR ITTTFRKRKKSGLMKKAEE RRNGIIKKAR
R NTVKDS Y TT K D SARKATFKKRKKGLLKKAS
KKVKLAYI SNDSSRKATFKKRKKGLVKKVNEL

 RKKV K LA F I E N NTERRVSYRKRQKGFLTKARELNTLCDV
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## RKMESEEARKVCFSKRRADLFKMASELSVHFNA

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| UniRef90_Q9C6V3UniRef90_A0A023JBZ5UniRef90_M4E6W6UniRef90_K7MWL2UniRef90_UPI0002B43E09UniRef90_UPI00032A696BUniRef90_K4AK50UniRef90_W9RY52UniRef90_A0A023JC51 |  |  |  |
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