## QUERY

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FK N K V P P K QK

L
ENKVPNKQKLIFQEDNDII P
ENKVPGKQKLFQEDNGIPIHLKGGAKDAPL


KNKVPELQKLFQRPDDFPVHMKRGVPDRLL
KNKVSENQKI FQEDNGLPVVHDKGGVGDNLL KNKVREHQKL DNMVKEKQKLFQADNGI PVVMLKGGAMDAIL
 NRVPDLQRLEQKSDGLPVHLKRGLPDRLL MANKVPDKQKLFQEANGVPVHLKGGVGDAVL
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LK N RVPEFQKVFQEDNGLPVVHKKGGVRDAVLVRATAGLTM
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 KNKVPELQKFFQRTDGVPIHLKRGLPDQML FENKVPQKQKLFQEDDGIPVHLKGGVADALL KNKVPHLQKVFQKSDGLPVHLKLGYPDKLL

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ENKLKESQSKFQAPDGNPIHLKKGGMDYACM

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GGT】YCL $\square$ ALYMAS
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G G T I Y C LVALI F $\square$ A S QPKK
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GGEC
F GVGY LLYNFYEVGKSKK GRTSYCL DALYMAAQPKK LGVGYVLFELVKAAFPQK VGKA
I G T A Y S L Q T LY V L S Y P K K FG
$\square S \square G F C F D S L Y H F M F P K K$ GGTAYA TYE A VASSPKK GGT\|YCLIALYMASQPR
G
F GRCRS
FGTGYVL
VATGASFYSTYTWVYPTK $V G T D W S C F A L F Q Y A M P K K$ GGTiYCLSALYMASQPNK $V G L G W T F Y N T Y M M D Y H P K$
$G G S V Y S L Y C L G W A S F P R$

F GKANTELTTLWYNF GGT $\square \mathrm{Y} C \mathrm{LV} \mathrm{A} L \mathrm{Y}$ MASQPR

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Q1KELQKQFCADDVPVYKGGMDA 30
QLKHORKF KPDGKVFLKGGKMDAVYYTTLASCA NKLRATMKEFQ\|DNGLPI HLKGGVMDNLLFLSTLGISG FQNNVREKQKQFQEDNGIPVHLKGGVADALL QLKHKQAKFQKPDGKPVFLKGGPMDNVL
KNKVLELQK FGFPDSMPVHLKWGLLHQML
ENLVPEEQKLFQADNDLLGALDGWGKRQPS


YRVTMTLCL
$\qquad$
LQ QLKHRAKFOKDGKVFLKGGSDSL PKMIRLQQKFQEKNNLPDHLKGGAKDKLL
LSEHIKNKQEVFQTPEDTPVYIKGGI DDRLL
MSSE MSSELPELHKFLQKA VPVYLKCGLPDQMLYRTTSALIV KKVQEQFQKKDGKPIFLKGGAFDQVL
QI KELQKQFSKDDGVPVYLKGGPMDKV

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TAKYKKF LKK QEHFQKKDGKPVFLKGSAMDQVL
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N Q

QNKVPDLQRMFQKSDGLPVHLKRGVPDRLL
DNKVPQKQKLFQEDNGMPIHLKGGTFDALL
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KNRVADKSKVFGTSDGDPVHLKRGYPDRLL MANLQKKFQENNGKPVFLKGGAMDNL RT LKDKQAKFQLKNNKPVWLKGGPMDRMLYRLT PKMAKLQKQFQENDGKPVFLKGGGMDNVL NQVHSKQAHFQIPNGLPVFLRGKNDLMI
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ENKVPHYQRLYQRDDGVRLWMKRSKMLVYPYLAILGLGS

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| :---: | :---: |
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| UniRef90-D2DSK3 | VGLAFMCFNFYFSMAFPPK |
| UniRef90-F7FXD0 |  |
| UniRef90-T1D5M1 | VGVAGMGKLIY QLS Y P S K |
| UniRef90-UPI000350EBE7 | GGTLLYCLIAL Y |
| UniRef90-S4P0Y6 | VGILIMTLTTI Y D N |
| UniRef90-K9IRD5 | TGSLYSLYCL WASFPHK |
| UniRef90_G3MPN5 | F A VVYCFYKIYRMVYRQK |
| UniRef90-F1Q5E2 |  |
| UniRef90-K7ER11 | G G TVY S |
| UniRef90-B0X8L8 | VGIAGMGKLMFELS Y P Q K |
| UniRef90-UPI0003C36A22 | CGLVYTLVFLA |
| UniRef90_UPIO00383494A |  |
| UniRef90-T118V1 | $\square S L L L I A K T L V E M A L P K K$ |
| UniRef90-UPI000359A3F6 | RGTII Y CVT A F Y I A |
| UniRef90-T1GWG5 |  |
| UniRef90_L7M5D1 | FTLGMCFYNMYHLI Y |
| UniRef90-B4G3Q4 | TGI |
| UniRef90-Q298G3 | VGI G G M T K LF Y D L S VP K |
| UniRef90-T1IDZ1 | LGAGMS $\square$ F K $\square \mathrm{FQMS}$ |
| UniRef90_C1C3R5 |  |
| UniRef90-V511E5 | VGLGWT FYNT Y M M $\square$ Y |
| UniRef90-K7JAX8 |  |
| UniRef90-D3TNA1 | VGI A GMGKLFYELAVPP |
| UniRef90-V5GNN8 | V GVGLSLET T F Y L V F GK K |
| UniRef90-A0A023ED70 | VGLGCSLAFIS M MA |
| UniRef90_U5EEP4 | I GI L G Y I R LVY T M GFVKK |
| UniRef90-Q177W2 | $V \mathrm{GIL}$ L G V VRVI Y TMGFAKK |
| UniRef90-C6ZQQ9 | A GLVGI GRLI Y Q L S YP |
| UniRef90-T1FH14 | AGLGVSVYQI $\mathrm{C}^{\text {K M S }}$ |
| UniRef90-B4G962 | LGLISSIVHMIYTMGFAKK |
| UniRef90-K4FSE3 |  |
| UniRef90-Q2KKX8 |  |
| UniRef90-T1H4M1 | VGLIF E S CRT $\square$ Y T M I Y P A K |
| UniRef90-E0VNF4 | L GVGMS FRAMYQLA |
| UniRef90_UPI000329A943 | L GIVSMLEMI Y T L GFK K K |
| UniRef90-H9JMD1 | LGLVGVVQTIYSHADPKK |
| UniRef90_Q07FY4 |  |
| UniRef90-D6WU18 | A GLGM S L E S WY R LA |
| UniRef90-B4LTT8 | VGLVSIVHMIYTMGFAKK |
| UniRef90_Q7QG65 | V GLL GIVKLVYDLGFAKK |
| UniRef90_UPI0003C35DBE | VGLL Gl L H M I Y S L GF A K K |
| UniRef90-C3KK88 |  |
| UniRef90_W8BUF9 |  |
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| UniRef90-UPI00046C0631 | 1 GL GLSI |
| UniRef90_UPI0000E478DF | V GTI WS CYSLYKL |
| UniRef90-H9JJN2 | VGFCSTCATLYDLAKP |
| UniRef90_C3ZKP8 |  |
| UniRef90_J9LV57 | A GLA N S F K F L Y |
| UniRef90-T1J5T7 | CGTEFGI |
| UniRef90-N6TWI8 | VGLAGS G H T VF T |
| UniRef90-V5IJB7 | $\checkmark \mathrm{G}$ |
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| UniRef90-A0A023F726 | GAVVWDLIL Y Y |
| UniRef90-V5I014 | GR WA WT F Y N T Y M M $\ddagger$ Y P K |
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| UniRef90-I3KFY5 |  |
| UniRef90-B4NLG5 |  |
| UniRef90-Q16194 |  |
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| UniRef90-D1ZZE9 | VGFVESVRSL |
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