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FFEGVKLGPTEFFERWKLI

F L E GTMMNAEAFFMRWKNLT


UniRef90＿M9LQ96



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30
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FFQRVKLSQSEFFQRWQ F $\square E G V Q L D Q A A F F E R W K I \quad I \quad G G P P R E A Q Q I$ F P I I K GEIIDTQR FS E GV E L D S N S F F Q R WK Qi G K S R E C Q K I F A I K K K I D F E Y
 F Y E GVVK LA QAE F F ERRWKLVGGPPRREA QS I F P V H G S L E T DR Y M D P S D L N A E D F F K R WR Q I G N A N G E A Q A T F E V K R G I R D A D
 $F M S P S P M T A D T F F$ QKWN QLGG P P R R E T Q Q I L K A K E P V N A D A
 $F M L P T V F D G S T F F Q R W G K M G L \quad E R E A Q L T Y G L N G K L D E R R$
 FAEGVVHLES GPFFERWKII GGPPREAQQI FPANGMVDIGR F IIEPAPMDAPTEFKKWNQLGGPPREVRQIIKAKEPIVLDQ
 FF DP LQLNSGDYFAKWK LLPGKPVEDQEVFKTSKPDDMAF





 $F M Q P V T L D A Y T F F H R W G Q M G Q$ EREAQLTTALENPKDKLE FFQPTK LDSDEYYHRWFTQGRTVQQQGQKGFHAKYSMDKDS


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F F E
 F LE P VKLLS GD DF QKRWVALE GQGRE QQDVVVAATKMDVQA Y I E A S S L T S D D F F K R WRQ I G G GPDLES Q S TF GLLAR P LLS ER D $F$ MEPYVLDKKAFFEQWHTMGT QLLETQSVF AVQPRTGNE F Q Q P V T CNK D QY F A VWGK IT GAPNESVVVVKSPRPDVRTD
 FFAPLVTDGGDFFRRWKLFEG KE LGQKIFKLKTPMLAEPE FVEPLVIGAENFFK QWHAIGGK EQEVVQKIFPCTPVYSDVN FLQPATLSANDFFSAWRALVTAPNKLQEVIRGLQYSTVSE $F$ MEPVAVNEEAF LQQRWNALEGQDREQQEVVPAASKDDLAQ F V Q P WP LTADSYFGWWRTAGLAER QASFAWAGPYDRMR

 FQEPTTMDEANFFRRWNQI G GPPRE SQVI FKSEVPDQLS T

 F L E P V Q L S Q S DF L Q R WQAME GQDREQRDAWKSSISIIDMM Q



A P VA K E A F F QRWRAVEGPP LTKMGERVSRDTPDTRAP G I DEFEKRWGQL GLEK GESMVVVHLSHRHDAAQ
 $V R G V T P M P D G E$
LAPTVLNNTDEFKRWTQDGDALGEHKTRIMLAHRYTSSN F F S A Y Pl E A S QF R QR WE QV F A A P DGFNARDFRARWDDVGAVGGEHQVVVSSRSPLDDRR PTALTVDEFEKRWQQI S Q GLLQEGESTQHAVHRHNASN F L V Q E P L E P N DF M Q Y WN TIGGNATEKK S I I M K Q N N P DD LD
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UniRef90
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A A ,
NQRVVIS CNGLLTVLE GV
LHEKVVGFGSTMD DKKPNDVFAGVLHMSSGKVGLG MVSLFNSGHLAVSPGLDPNTNNLVASTTFFSETTRMLCCL DRDTVEGFRWRILDNVDPNPKNVVGCAVLQDEKGKTGCLL NKVLSEGLNLTVNKGVDPNPNNLVASAQFPYAQNPMFVLL LTHVLSGLHVGVLSAVDPNVNNLVAAGSLFTTTKQVLILL QKQRISGSGLSGLPDVDPCPTNVVCAGVVHTASQQVGVLA QQATVTGARLRCLEGVDPNLVNMVGAAVVYTATGKAGFLIM FNKIMEGLRMTVLKGVDPNPNNSVSSALLFPYAQNPIQVLV MANLENSLHTGVATGLDPNENNIVSATTFYSESAQALCLI MADLFTRLHVGVLPGLDPNVNNIVAATTFYSGTAATLCLV TVKVVIGMQWGVCTNVDSDKNNVVGAGGVKLANNSNPGCLC VISKLGGLCGELIDDVGPYPPLLPWSGMIDTQSGPVPVLI MASL

L GLGSALLD G/VDP
RRNFAGLUYSNVKNAD

 NVKLLEAMKFGLVEGGPS GGLALAATFRTGTTSVGChA LQSVVESFKWKIVANVDPNQKNLVGCAVYQTQSSKTGCLL VENVVKTDNYSALQGVDPNPNNVCGAAKI NDGAGDVYCVI YREVIGGQRDGILEDVDTNPNNLFAAGVLHTAV ACAKVEGFRDAILTGDNPNDVAAGSFYDPGGAASVLM FSDKLNGLRIGVATGLEPNPNNLVAASSFHSETGALLCMV
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## TASTLQAFGTGLLSNVDPNPNNYVGASVVDAVSSY

LERSLTRGGAVIPNYDPYAEETRGAGVVHTAKTNYGVLI LEELLPALGFSVVEGVDESANKVYAAGTFVTASGKVGVLC

 VVNAFTGMHLAVHKGGDDPNPANLVGSRFVGEKSGEVLIGV LEALLSSRNLGVQSGGDPDAENLVAVATFSYTAQQVPVMV
 VVRLLSRLGFAVVDETDNTILVMGAGLLHTKTNYGVLA VSRGLSAVGGAVVFESPEAPDALIGAGITHTOKSNYGVLI LKKVLSSLSGGLLEGIDKNPDNSVGCSRLTFATKKQGVLL
 VKKLVEHLNIALIDGVDKKPENFVGCSRLTFASKRQGVLL ISRLLSRAGLAVVHTSPDTPNYVSGAGWLHTQKTNFGVLI VCNVLQNAKWTVHESGDPNPANAVGARFFSEQNGELPLSL VVRLLSRGGFAVVYNTDSDQGILVGAGILHTQKSKYGVLT MASLLLSLHLAVTPGLDTNPNNMVACATFFSETTNALCLV IVRLVQRLRFSVVSEDPNKVLVLAAGMLHTQTNNYGVLL
$M K Q V M T S F K V P V L P L Q V P N G N V C G A G I N A E G G V L G U L C$
$M$ DERALTSVNAHVLPGLDPNVNNVVAASTVYSNGAECFALA YVSKAFNFHIISLPEAMANVHTI AAAGTLLTRTPQPGCML


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| :---: | :---: |
| UniRef90-F4RHW4 | RLEPNEEAKLARITVRTTNDLVSPEILKLLTTRPL |
| UniRef90-UPIO003596F41 | RLEPNKQMQMYRLTVRSTKPSISQHLAELLESQF |
| UniRef90-F8NEQ2 | RLEPNREAKLCRLTVRSTSAEVALLVRRVLETAL |
| UniRef90-J5TFM3 | RLEPNRDAKLCRLTVRSTNEEVSKECLKLESKP |
| UniRef90-LOP8G22 | RLEPNYETKMYR1TIRSTKEGIADHLESLI EKKL |
| UniRet90-E5SFW5 | RLEASRTANTYHITFRCGKGSVSHHLCDLLSEVL |
| UniRef90-K5XDE4 | EPNREAKLCRITVRSTSEAVAAEVKNLIQGPL |
| UniRef90-X81UT5 | RFEPNATAKLCRLTVRSTSEVIA AEMMAMIRPSL |
| UniRef90 W2RRD1 | RCEPNTGDKMYRLT RATQDS |
| UniRet90-U A0059AA19 | RIEETDADRTQLRMTVASGDPALAFELKEYTKEQL |
| UniRet90-A9UPX3 | RAEPSMDAQMYRFTMRTSSEAVTAALSGLLF GQF |
| UniRet90_G2RGZ2 |  |
| UniRef90-W4KN | RIEPNKEAKLCRMTVRSTSEDAAGEVQRLVQKPL |
| UniRef90-S9VMP | RLEPNYQKNMIRLSIRSTNT TVANVLATNMQDUL |
| UniRef90-E4Z042 | RLEPNAPSSMYRLTIRSSSAPASENI CRL |
| UniRef90-O5KEF7 | RVEPNKDAKLCRLTVRSTNE |
| UniRet90-F2 | NVE |
| Ref90_W1PYR5 | DPD |
| UniRef90-W9YTJ | R EPNPQANMCRLT RSQSAVTSNATKOLITSHT |
| UniRef90-L8GZW9 | RIETNPSAGM1RLTIRSESGQVT |
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| UniRef90-M5G1D4 | PSEEEKKCRLTVRC |
| UniRef90_J3QDM5 | RTEANQQASMCRLTTRSQSAVISNALKQLLLTHL |
| UniRef90-A9U4D0 | RVETDPDRTQLRLTVVGSQDLTTTYELMEYIKQQL |
| UniRef90-A9T668 | RVETDPDRTQMRLTVASEVPNTTYELKELMKEQL |
| UniRet90 W6MUQ9 |  |
| UniRef90 B6JJX9 | RLEPNYEKDLIRVSVRSTATSANCAKMMQDVL |
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| UniRef90-MoWLG2 | RVETDPQRTQLRLTVASGDQNLTFELKEYIKEHL |
| UniRef90-UPI000343F, | RLEPNAQAQMYRLTLRTSKEPVSRHLCELLAQQF |
| UniRef90-UP10003EBB820 | RLEPNAQAQMYRLTLRCSKDTVSKRLCELLAQQF |
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| f90 | A |
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| UniRef90 K3X5B9 |  |
|  |  |

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RFEPHATANVARLTVRASDERLARVMHQHLVSQL $R$ L E $\square$ D S A Q Q A Y K L T V K T N N A Q V T R E

E GKLCRLTI R S T S E DVVAK E
$R$ LEVVNAAA GMCRASVRAS DAGLATAVAQVVQSHL RLE Y N A P K Q A YRLTVVKA QDATIA QQVFNYILLQEL RI E T D A DK T QLRRLTVASPNSRLALE

RLEVNPQRGAARLTVRSRHAPLADSLVKAFAAAF $R$ I EV N A QVR A M RIT A R A VH GTVAAALVNT $\square K$
$R V E A N P K A N A F R V T T R$
A K M Y R L T L R T S K E T VS QR LCE L LS E Q F
$K \square E S N V T D K D F T F T V R C T G G G V A P V I M H T L Q E \square F$ LF E WA KAKRAFRLTVRASNAVVAAACKDHLKAEL


 FMQPWPANPQEFFAKWQEASARHSEA KVVTVAPAMALAA AATSTNLEEFKKRWLQ $\square$ GQEDGESTVFCSTAHRYNSSN PANKAQEMVDAAGPDSPET
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90
100
110
 RLEMGRHHGKCRLVVRSDCHVLSRGIRDLISLQ RVESDANNPAFRVTAASVDAATAGGVLEALLSQ TI K S TDDVGKFEIVARCTAGGVAEALASSFKVIF RVEANPQNRQFRVTVVADQPELAQGVHALLVAQL RVEFNRLGHSVALHVRSPNPLVSRTVMGLLQRR KI K Y T E ET S QLS SVTCKATAPGLSRYVVECMK RVSCEDE EYFTLTCRATGSGLATNI ASCDK RI E GPQHAGKARVAVRSSEPLVADAVRD KLKK DGDSREDEITCRTTS G SLS S KYVVDC■ TTELRMTVRTSNDSTSQH $K$ VK Y LD E A S QLS STVCKTYTTPGGSQYVVECME







 KLASNEQGVTFQITVRSSDPVVSRIIVDAD

 K I E CRDS QVDi ICKTTHGGLSELVAGCVLEAL RLECARGRKGYRLTVRSEHPACAMGVFKAIVKQL RFTFQEEEMILTMDLHTTSAKATDAILEC $K \square A D D S S G V T M Q L T V R S T D P N V S E V L A$

[^1]


[^0]:    lupas 21
    lupas_14
    lupas_28
    jnet
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    sol25
    sol5
    sol0
    jhmm
    ssm

[^1]:    lupas_21
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