## QUERY

UniRe f90 UPIOOO27F85C9 UniRefi90-UP100027785C9 UniRefi90-UP100003C27-33 UniRef90 UPIO00383529C UniRef90-G3GWW0 UniRef90_UPI00042BFODF UniRef90_UPI00042BF0DF UniRef90_F6R9M2 UniRef90_F6R9M2 UniRef90_UPIO003992612 UniRef90 UPI0003992612 UniRef90_UPIO003837209 UniRef90_UPIO003837209 UniRef90_UPI0003C0FE62 UniRef90-UPI0003C0FE62 UniRef90_S9Y9A1
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ESCKGRCTEGFNVDKKCQCDELCSYYQSCCTDYTAEC SCAGRCGEGYSRDATCSCDFNCQHYMDCCLDFKRAC S CA GR C G E GYY S R D A T C S C D F N C Q H Y M D C C C L D F K R A C SCR GRRCF EA F V R GRECDCDADCEKYGKC C E S S D Y N K H C
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S C
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SCASRCCGETY DSSNTCHCNDRCQEFSNCCDD YNA F C
DSCERRCNEKYNPGD DCHCD YNCEQNQNCCEDYH DHC
DSCR GRCEEPYSHEDECHCDVVGCRSRNSCCWDYPEHC
E S C A S R C G E K F N R D A D C Q C D H H C P R H G D C C E D Y G D
E S C A S R C G E K F N R D A D C Q C D H H C P R H G D C C E D Y G D
C

ESGDRCGETRNEDNACHCSEDCLTKGDCCTNYQVVC


 SCA GRCGELLMNTAYSCQCNTQCTQYGDCCADYGAEC SCA GRCGELMNTAYSCQCNTQCTQYGDCCADYGAEC $D S C Q G R C G Y G T D N G A S C Q C N S S C E R F R D C C S D D Y T E X C C$
$D S C Q G R C G Y G T$
$C$

UniRef90 UPIO00359F89E UniRef90-UPIOOO3C122EF UniRef90_UPIOOO3C122EF UniRef90-D3ZSZ1 UniRef90_D3ZSZ1 UniRef90-V4B3M8 UniRef90-V4B3M8 UniRef90- G3P5B7 UniRef90 G3P5B7 UniRef90-H3АН64 UniRef90_H3AH64 UniRef90 L8Y364 UniRef90-L8Y364 UniRef90-H2YLL8 UniRef90 ${ }^{-H 0 V 6 T 3}$ UniRef90-HOVGT3 UniRef90-UPI000333FB71 UniRef90 UPI000333FB71 UniRef90-K1RQN4 UniRef90-K1RQN4 UniRef90-UPI0002651C90 UniRef90 UPI0002651C90 UniRef90-W5UK91 UniRef90_W5UK91 UniRef90-H2LZW5 UniRef90-H2LZW5 UniRef90-UPIOO0443C25E UniRef90-UPIo00443C25E UniRef90 W4YS72 UniRef90-W4YS72 UniRef90-W4YS72 UniRef90-13KIE0 UniRef90-l3KIE0 UniRef90-H2ZB64 UniRef90_G5BWC9 UniRef90 G5BWC9 UniRef90-G3PPT1 UniRef90-G3PPT1 UniRef90_U3JI40 UniRef90-U3JI40 UniRef90_UPIO003EA8F14 UniRef90-UPI0003EA8F14 UniRet90_M4AVK9 UniRef90-M4AVK9 UniRef90-Q2MCX5 UniRef90-E7F2C4 UniRef90-E7F2C4 UniRef90-H2TQX1 UniRef90 H2TQX1 UniRef90_UPIO00388B646 UniRef90 H2UDZ6 UniRef90 UPI0003EACDE3 UniRef90-W5KD78 UniRef90-W5KD78 UniRef90-V3ZZL2 UniRef90_Q4RRY5 UniRef90-UPIO003C159AB UniRef90_G3TZQ1 UniRef90 G3TZQ1 UniRef90-UPIO0034F7FE1 UniRef90-UPI00034F7FE1 UniRef90-W5LEL5 UniRef90 ${ }^{-}$W5LEL5 UniRef90_UPI00042C7780 UniRef90-UPIo0042C7780 UniRef90 - 13 JJN 8 UniRef90-A9V3F3 UniRef90-A9V3F3 UniRef90-UP10003D0C78C UniRef90-E4X861 UniRef90-G3P599 UniRef90_DOLHY2 UniRet90_DOLHY2 UniRefto -VVKAS9 UniRef90-G3NX92 UniRef90-G3NX92 UniRef90-H2YLL9 UniRef90-A9UYX9 UniRet90-A9UYX9 UniRef90_UPIO003FOF1C6 UniRet90_UPI0003FOF1C6 UniRet90_Q90W31 UniRef90_UPIO003C11817 UniRef90-F2TX22 UniRef90-C3YKK0 UniRef90_V4AHX2 UniRef90_B5BSX6




QDRCGGEERNE EHACHCSADCLDERGDCCSNYK S L L C C





DSCASRCN QKFDRDAACQCDRRRCHRHGDCCDD YE HLLC
DSCAS RCNQKF DRDAACQCDRRRCHRHGDCCDDDYE H L C C C C C


DSCSGRCNS GVVDSSKSCQCNSACETYGDCCTMYYQSEC
DSCSGRCNSGVDSSKSCQCNSACETYGDCCTYYQSEC
S GRRCNS G V R N E Q H A A C H C C S D D C ELAA K G D C C C T N Y R T T C C
K ERCCGEPRN E QHA CHCSSD DCCLAAK G DCCCTN Y R T L C C
SCK GRCGAEYYRGYMCQCDYGCLLYEECCTXYESQC

路 CK G R
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KERCGETRNEENACHCSEDCLAKGDCCTNYKALC


## E S

SCQGRC GLL
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D S C QDRCGEQRS GDHACHCSDDCLA K G D
SCRNRCCNEPGN K GQGGCQCD GACCKKY H C CCSDYNTEC K DRCGETRNEHNACSCSEDCLLARGDCCTN YRTMC S KDRCGETRNEHNACS
D S
 ESCRGRCCGSFN T R S K C Q C D H M C L L Y Y G S C C R D F D A V C

SCQ GHCLE A F DKY H P R HCN A R C P E F GN GCEDFESSLC
K DRCGEGRNEENACHCSEDCLAKGDCCTNYHVVC
DSCKNRCGDKPSKTFSCQCNEKCEQYDDCCQDYH
DSCKNRCGDKPSKTFSCQCNEKCEQYDDCCQDYH EDRCGENRNE E YACQCSEDCLEKGDCCTNYKSLC EDRCGE
${ }_{\mathrm{E}}^{\mathrm{E}} \underset{\mathrm{L}}{\mathrm{L}} \mathrm{C}$ NRN E E Y A CQQCSE DCLLE CCTM Y K S L LA SRCSEKFDRDAACQCDRRCPRHGDCCEEYECCLC
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UniRef90_E9H141 UniRef90-E9H141 UniRef90-DOLHY1 UniRef90 UPIO002653CC0 UniRef90-UPIo0038323AF UniRef90-H2RZ67 UniRef90-L5JP75 UniRef90-C3YQX7 UniRef90-H3AXV3 UniRef90-DOLPC4 UniRef90 W4YFL5 UniRef90-U31PS2 UniRef90-UPIOOO359BB18 UniRef90_A9UP82 UniRef90-F6VUE2 UniRef90-F6VUE2 UniRef90-E4X3H5 UniRef90 U3FAB3 UniRef90-UPI00038BF907 UniRef90-G3W316 UniRef90 ${ }^{-}$W4ZHHO UniRef90 W5K2N7 UniRef90-UPIO00441894B UniRef90-UPIO00441894B UniRef90-UPI000180C8C7 UniRef90- B3RZY7 UniRef90-UPIOOO155BE38 UniRef90 BOJZL7 UniRef90 C3XY90 UniRef90-UPIO002651C8F UniRef90-UPIO00440EE71 UniRef90-G1K9M6 UniRef90-F2UAQ4 UniRef90-F2UAQ4 UniRef90-F2UAQ4 UniRef90 F7CHX8 UniRef90-UP10002A4CDCB UniRef90-UPI0004423A7A UniRef90_W4YBL7 UniRef90_W4YBL7 UniRef90-W4YBL7 UniRef90-UPIO00454612E UniRef90 UPI000333EB66 UniRef90-W5MRW8 UniRef90-F6XHG6 UniRef90_UPIO0044237CF UniRet90-UP100035A0880 UniRef90-UPIOOO35A0880 UniRef90-F2UC78 UniRef90- 54 RC 15 UniRef90_UPIO00180C8C9 UniRef90_A7SIH3 UniRef90_UPIO003B65154 UniRef90_A7T362 UniRef90-H2Y5C5 UniRef90-UPIO0026545E9 UniRef90-UPIO0026545E9 UniRef90-UPIO0026545E9 UniRef90-UPIO0026545E9 UniRef90-UPIO0045E0688 UniRef90_C3Y5A5 UniRef90-L7UFH6 UniRef90-UPI0003F0C9F3 UniRef90 R4WE00 UniRef90_UPIO0026545EA UniRef90-UPIO0026545EA UniRet90_UPIo0026545EA UniRet90_UPIO0026545EA UniRef90-G5C778 UniRef90-W4YKD7 UniRef90 UPIO004575585 UniRef90_UPIO003597BA8 UniRef90-H3CII6 UniRef90-Q90WM1 UniRef90 Q7SYV5 UniRef90_-13MUU9 UniRef90-UPIOOO44070F6 UniRef90-UPIO002651BB0 UniRef90 UPI000359F1FD UniRef90_UPIO00395DF1D UniRef90-F2URB4 UniRef90-F2URB4 UniRet90-EOVPB8 UniReffo-X6M425 UniRet90_C3Y118 UniRet90-T1GN34 UniRef90-Q00U16
UniRef90 C3XWL6 UniRef90- ${ }^{-1}$ YBL2 UniRef90_UPIO003C1783D Uniref90_DOLT40

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 DTCFQACG VFNSSRQCQCDSACSNFGDCCPDLGQFC
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SCAS
SCANLCGG SCTNRCGSSDPNSRSCQCDHECLILG SCRHRCSEPHGKGPGCQCDSSCKERODCCLDYQETC SCMNTCN TYVESDACOCDAACSSYQDCCWDYEDTC TCAGRCGNSLNLNDPCHCNAGCENFYDCCADYATVC TCAGRCGNSLNLNDPCHCNAGCENFYDCCADYATVC NRCGEAYKAENQCQCDDKCFDRKDCCPDYMTSC
SCKGRCYE RTFSNCRCDSACVSLGNCCLDYQETC
SCRNKCFESYRGFGGCQCDSGCKDRKNCCWDFEETC
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SCRFRCFEKSDSTAGCSCDDRCKERQACCWDYEEAC
CNTAYNRVHPCQCDSHCGLFRDCCADYSYLC
CNTAYNRVHPCQCDSHCGLFRDCCADYSYLC



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SCRDRCYQP
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SCKNRCNASYDSQASCQCDLOCVYYDNCCSDYHDIC
RKRCNEK REAARLMKCHCDNQDCYGYG
CR GR C G E K RLA E SKCRCCDD CLS A G DCCTN YK H DC

D

SCQ D R C G G
SCEGSC K E G L

Q ${ }^{T}$
QSCDGRRC G A Y Y D E K S K S C Q C N R P C D $\square$ N H T D C C C N D Y R A L C C
$P D \square H$

SCVGRCGAN SSSYPCNCNATCSSSKKCCADYAAMVC
TCLGRCG AYSKSFPCNCNAACADYVNCCDDYVGYC
ES C R R K C F D S F R GK L G C R C DEGGCR D RMM C C WD F I S VC
SCRKKC FDAS H R GEGCRCDVVGCK GR GDCCWD F E DT C
$C Q N R C H D N F D A T Y P C Y C D R L C W L Y G D C C Y D Y Y A R C$
$C A Q R C G E L L$
D SCAQRCGE
T Y S PKFACQCDDACQD
TCKNRCNOTYNPKFACQCDDACQDFGDCCMDFVAKC



S C A G R C R Q R A E GHQ T C Q C D A H C E L F N D C C LDD F T E T C
ETCENRCGSS $\square$ D T $\square$ A T CDCHEDCVTND
D S C
S CVGR C G D L
RGNCTCDDEHCRTANDCCCSDYRSTC
TTEVCQCDAGCSARGDCCADDASEC

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lupas_14
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