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S K A C D S CRR K K V K C D G I Q P C G N C SA A NL E C TYN D SCVT CRRRKVVKCDRTNPCSNCARNGVVECHPD
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STACLMCR DK KVVKCSGTRPCVYCVKRGLDCVFTRPS
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MACS FCRQRK $\square R C D G R N P C A N C K K Y A T A C T Y V K$
S RACTA CRKGKNRCEGENPCRRCQ $\quad$ CN GTVVCVFEK P
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 A C T A C R K K K L R C D G S R P C
$\stackrel{1}{\mathrm{~V}} \mathrm{~A}$
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S QAC DSCR HLLKAKCDEMKPCRTCK EK GVKCK YRDP ACVACRQSKDKCS GDDPCQNCQRRSVQCRFTE
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AK A ACDACHKSKRRCDGTAPC S S C L A CR QRKLK CN R QQPCSNCARA GRECAF LRR STACDSCKKRKFKCSGSNPCEDCDRKGYDCSYT
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 $V A C N F C R A R K T K C D S V H P C A S C A R R Q L D C S Y U$
$G C T E C K R R M M K D E T K P C W Q C A R L N E C D Y U ~$
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RACDHCRYRKMKCDRREPCRPCRDTQSPCTYV
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 LS C A RCRRRKDKCDRQLPCSQCIIATKTVCT LACDPCRRRHVKCDARMPCTRCHNSNSDCRYVR ACELCKQRKVKCDRGQPCGWCKR ACERCRRHKSRCDPVRPCSVCIVRAVDC

 LS CARCQFRKLKCTRTEPCSNCASSNQDCEYREQS

RACTECRSDKVKCDNQHPCARCTRLSLECVYRE
CEPCRQRKIKCDGNKPCRQCHEHNVTCSY LD ACVPCRKTKTKCDGRHPCARCQFSSNVCTY
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R S C Q A CA GLK VK C DLLR S P C S K CDQR GRECVY
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$T T A C V P C R E S K I R C D G T Q P C D N C Q K K E K A C R Y$
$S$
$S$
$S \square A C G A C R S S K R K C S G G P P C T R C R D R G D E C V F P ~$
$A C N R C R K R K A R C D T Q D P C Q P C Q N S G S D C D Y T D$ SCETCKARKVKCDRAQPCGWCSRNGQECDYRQ
K ACDSCS DRKVKCDEGDPCRACAADDDPCTFKRPS CDACRRRKVKCSKSEPCDRCVSTGLLRCT
SQACKSCNASKVRCDGQLPCERCRRSKNNCFYE
LA CVLCSQRKVKCDRQLPCSNCDKFRAQCV
 AC $\square$ RCRSRKAKCNGSRPCSGCRGANAACDYASP
LS C AP CRASK LK CDR S QPCSQCAKKDRPCVYA GCDECKRRKMKCDETHPCQCCQRFNSVCRYPD
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| NiRef90-S3CAD8 | dicrarkva |
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| UniRef90-W7HYC2 | RACEGCrRRKl |
| UniRef90-N10: | GCLTCRQ |
| UniRef90-G4 | GCLTCRARK1 |
| UniRef90-B2ABZ1 | AVACGRCRKRKIRCSGGQPCSNCKNANAECQFLRVS |
| UniRef90 SoEAQ4 | TGCAICRQRRVKCDEAKPCRNCSRFGRSCSWPKPA |
|  | RRKKVKCG |
| iRef90_N1QKN7 |  |
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| UniRef90-Q6CY38 | SFVICQACRK |
| UniRet90-F8MKS4 | ( ${ }^{\text {a }}$ |
| UniRef90-C7ZDX2 | ACATCKKRK |
| UniRef90-C5M9V1 | GCVTCRDRH |
| UniRef90-B6H5L6 | CTACRASKTKCSGERPCQRCRKCSTECVYAEST |
| UniRef90-M7WXH | KSCRNCRTRKVKCDRKWPCQRCKDRKEECDF |
| UniRef90- B8N207 | SLVCEQCRKSKLRCDRGQPCSSCMRRHDACSYRQRS |
| Ref90-Q5AS36 |  |
| UniRet90-C9SDS 1 | ACERCRLMKVKCSGTEPCARCTRTKKI |
| UniRef90-W4KJR6 | CQPCHRRKQQCDRGQPCQRCVDRGT |
| UniRet90_G7XD25 | RACQFCRVRKIRCDNEKPCGSCQRHDRQCVYV |
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| UniRef90-G4N093 |  |
| UniRet90_UP10003F |  |
| A7EFF1 |  |
| UniRet90_B2B026 | crirklocdrefp csiclias gikceye |
| UniRet90_N1PNG8 |  |
| UniRef90 B8M0C | G |
| UniRef90-V9 | ACEACRLKKTRCDEDVPCRLCRSLGMECTYAE |
| UniRef90-G3BDW9 | N |
| UniRet90 W7M1A6 |  |
| UniRef90-81UL4 | RASR |
| UniRet90_Q9C0Z1 | QNC VY |
| niRef90_J3K1E1 |  |
|  | - |
| UniRef90_18TOH5 | ACQTCRKRKV |
| UniRef90-C5DGQ7 | R AC |
| UniRet90-C5JOT2 | T |
| Ref90_00CX61 |  |
| A2QX47 |  |
| A0A010R |  |
| UniRet90_R9XHF3 | SKSCVFCRKRRVKCNKARPCSTC |
| UniRef90 F9F4C | RACLKCR |
| UniRef90-99F4C1 | ACK |
| UniRet90-K2RQG1 UniRef90 C8VAN3 | C |
| UniRet90 C8VAN | Y A ${ }^{\text {d }}$ |
| N6 | TGCITCRRRKKKCDETKPCQNCQKNAVVCE |
|  |  |
| UniRef90-V9DFL1 | A CVACRK日K1 |
| 隹 |  |
| UniRef90-X0NN32 | ACTECRRRKIRCDRASPCGPCSKSSLLRCVYPDAS |
| UniRef90-R9NYY6 | CLSHNTECT PAS |
| UniRef90 W9Y120 Uni e 90 |  |
| UniRef90-C7ZG56 | GCNTC |
|  | R R K |
| UniRef90-D8Q8M2 |  |
| UniRet90-Q0CG88 | S |
|  | CLTCKIRKKKCDEVRPCSDCKRLHKKCYYVDQS |
| iRef90-AOA | SCQECTRRKVKCDGGHPCASCQYYKVACEYRQRS |
| Q5A |  |
| UniRet90-G7XAHO | M CNDCRQRKVKCDAEYPCRNCRLRNQQCIT |
| UniRef90-GOV5X | CAACRTQKLRCNRERPCSRCQRDGRTCVYEKHS |
| UniRet90 UPIO004560D6B | K |
| iRef90 B6QJB3 | KSRKVKCDFQRPCSHCQRRKERCEYAEAA |
| UniR fo- A0A010RR43 |  |
| UniRef90-S8BFR6 | KACTPCRQRKAKCDLGTPCARCRREMRECVFPE |
| UniRef90-A0AO10RM05 |  |
|  | CQACAKARV |
| UniRef90-F7W9R4 4 | KSCFPCRHRKV |
| UniRef90-A0A016PG14 | VSCHFCRVRKL |
| UniRef90-N1RTV1 | TQACDOCRAAKQKCSGNTPCVNCIAGNRSCS |
| UniRef90-E6RE24 | CERCRLKKLRCDGGHPCNACSRSES |
| UniRef90-S33 | C QRC |
|  |  |
| UniRef90-U4L5B2 | RKQKCDRQQPCGNCRSASHLCHYESKS |
| UniRef90-G3Y140 |  |
| UniRef90-J8PYU1 | SRSCLLCCRRRKQRCDHKLPCTACLKAGLKCV |
| UniRef90-AOAO16PZYO UniRef90-G9N951 | C |
| UniRef90-W9XJ96 | KQDCLWDEVS |




|  |  |
| :---: | :---: |
| UniRef90_UPI000158475F |  |
| UniRef90-S0EE21 | CNYCRSRKTRCDEQQPCQACLLLAGVTC |
| UniRef90-F2PYK3 | S RACLVCKRRKVKCDEARPCRNCSNYGVACSY |
| UniRef90_F9GBI6 | RACLTCRHRKGKCDGRLS CGYCDNRGQAC |
| UniRef90-S7ZLQ7 | A CQYCRARRSKCDGQTPCDACLQRGNQCLY S |
| UniRef90-F7WBN4 | A CEECRKRKLRCDRQRPCGTCADAGIVC |
| UniRef90-A5DU46 | SRACTFCHQKHLQCSNERPCKNCVKRNIVCQ |
| UniRef90_UPI0004413EF5 | STACDGCRNRKSKCDGGQPCSACKQKKTECT |
| UniRef90-Q2H0Y4 | CDSCTRSHLKKCSGDSPCSTCVKRHQPC |
| UniRef90_E3Q338 | T GCRTCKNRKI K C DEHKPCRNCIKHAVPCD |
| UniRef90-S3DAN6 | GCDT CKARHVKCDETKPCKKCNNSGRQCEYAVP |
| UniRef90-F2Q2A2 | GCMTCRRRKKKCDEQHPCNNCDRGGF |
| UniRef90-V9CXR9 | S CAPCRDKKLRCDRGHPCETCVKRQANC |
| UniRef90-B8N5E9 | AKACLECRAMKVRCSGATPCHNCHRRGRQC |
| UniRef90-M3D3U5 | T GC GT CRRRKKKCDETRPCTNCEKNNVTCDGYEP |
| UniRef90-G4NAW7 | GCWTCRRRKVKCDEHKPCRQCVSKRL |
| UniRef90-N1R8H9 |  |
| UniRef90-G2X0S0 | A CQECRKQKTKCSAHRPCLRCQRLSKECVY |
| UniRef90-W2S | GCMTCRKRRRKCDERKPCDNCDGKGLS CQ |
| UniRef90_UPI00015848B0 | SRGCYLCRSRRVKCDEQKPCGNCQR |
| UniRef90-K3V456 | ARACKECAAGRSRCSRELPCERCKEKNLECDYPKST |
| UniRef90_W9W0F3 | RACEACRQLKVKCDDNHPCKRCAKANRQCIVTAPS |
| UniRef90_V2WYD3 | A CRQCRGRKI R CDSTRPCNNCVRRSNECEY |
| UniRef90-X8JUC6 | S QS CDACRARKVRCARENPCKHCQALDDPCTY |
| UniRef90-G7XC86 | CETCRVRKTKCDQAQPCSYCAYHS |
| UniRef90-TOKWY9 | CDHCFVRKVKCERT\P CKT C I D T GL T C S Y Q |
| UniRef90-S3CL22 | C DP CHRKKLK C DKLSPCSRCLA A G I E C S Y Q P P |
| UniRef90-F7VRJ6 |  |
| UniRef90-C4R3A6 | ACEHCRLKKTKCDEARPCSQCKTRNLQC |
| UniRef90-P35995 | AKSCHFCRVRKLKCDRVRPCGSCSSRNRQCEYKE |
| UniRef90-UPI0004408C16 | ACDQCVISTLPCDGANPCSKCDQRKGPC |
| UniRef90-W6MRT4 | A $\square$ A CVFF CR S HMDCDSARPCSRCVKRGHDCHYEPAS |
| UniRef90-K1XHM9 | AKACDSCARRKRSCDEKQPCSACDSRRAACTYTR |
| UniRef90-R8BWQ0 | ACNRCRLRKNRCDQKLPCASCEKANVACVGYDP |
| UniRef90_C8V168 | SAACGPCRSRRLKCDHKRPCSQCDRAKREC |
| UniRef90-S2K215 | ACSECRRKKTKCNGEKPCAGCUKTNMDCKYL |
| UniRef90-L7IS52 | SQACLLSCAKLKQRCRGGMPCTRCRETGTECTY |
| UniRef90-G7XTG1 | T TGCLICKRRHVKCDEARPCGPCAKGQRDCVY |
| UniRef90-C5E4F0 | S CTICRKRKVKCDKTRPCEQCSKT GVA CHYME |
| UniRef90-W9XIY7 | A HS CDRCRGRKTKCAGTDPCAACVDAKQPCDYSD |
| UniRef90-S0EMZ8 | A CQRCKSRKQRCDQNDPCSSCARAGVPCVSVD |
| UniRef90_J9MBS2 | RACEACRGLKVRCDEG PCKRCRKAGRNCVVTMPT |
| UniRef90_A0A022XI70 | GCFECKRRRIKCDEEKPCVRCVSGFYKCVYPE |

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    lupas_28
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    conf
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    sol5
    jhmm
    jpssm

