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 KAGD|AA L G KAGD|llll KAGD|AILG KAGDIAlLG KAGDIALL KAGDIAILG DRVFANFLLHGTGTSADVHFSVCKTDNTCEPAGLFFVLG RAYASFRLGGIKTSANVRTNICHSDNCDNYAGEFFILG RAYASFRLGGIKTSANVR1NICHSDNCDNYAGEFFILG
 RAYASFRLGGIGTSANVRINICHSDNCDNYAGEFFIGG



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 KARAFANFRLGG|KTSANVRIS:CHSDNCDNYAGEFF:C

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 RSFANFRLGGIKTSANVRVAVCHSDNCNNHVGSFFILG RSFANFRLGGU


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GPSEMDWDYDRPYRHDI SHALEELGVNWAQPFDVTIEMH GPSEMDWDYORRPYRHD GPSEMDWDYDRPYRHDD S $\begin{array}{ll}\text { GPSEMDWDYDRPYRHD: } \\ \text { GPSEMDWDY DRPY RHD } & \text { S } \\ \text { GPSEMDWDY DRPYRHD } & \text { S } \\ \text { GPS }\end{array}$ GPSEMDWDYDRPYRHDI S GAREMEWHYHYPYRFDI GAREMEWHYHYPYRFD GAREMEWHYHYPYRFDI GAREMEWHYHYPYRFDI GAKEMPWAYERLYYRFDI GAKEMPWAYERLYRFDI GAKEMPWAYERLY R F D

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 GANEMPWEFHLPFYFDVSDAVQRLGLSLTSKWSLEWDLYH GANEMPWEFHLPFYFDVSDAVQRLGLSLTSKWSLEWDLYH GANEMPWEFHLPFYFDVS GANEMPWEFHLLP FYFDVS GANEMPWEFHLPFYFDVS
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\DGHVLSNKYLSPPTVFLAPA





F D N K I N GTLL S S SLIPNPTVDYQPA
 N GTTLLSSS
 Y DHTEELDA SVLPAAPII VRRP

 Y D H T E E YDHTELBDASVLPAAPUVVRRP









 $\begin{array}{ll}M H G N A L D T D L I & P H A A V V S E P A \\ M H G N A L D T D L I & P H A A V V S E P A \\ \text { M }\end{array}$








 YDGSVV NKSSMPNFII YRPA

 $V$ NGSALPNDLLPQPT SHRPA
 $V N G S A L P N D L L P Q P T$ SHRPA
 $V N$ NGSA AL P N D V NGTVLPSSAI PAPTLDYKPA



I NGTLMPDDII
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NGILPDGTIPRPTVSYI PA
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G Q GlV|SVIS Y ${ }^{20}$
G Q G V V S V V S Y EVV|WVLDDEGHEFPADTGYT|L|G GQGVSVSYEVWVLDDEGHEFPADTGYTLG

$R$ VFAGFLLAGFQTSCDVRYSVCVSDDDCVEAGLFFVLG $R V F A G F L L A G F Q T S C D V R Y S V C V S D D D C V E A G L F F V L G$





 Q D RVY L A F QDRVY L A $F$

 Q D R V Y L A F | Q D | $R$ | $V$ | $Y$ | $L$ | $A$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Q | D | $R$ | $V$ | $Y$ | $L$ |
| $A$ | $A$ | $F$ |  |  |  |

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$Q$ | Q6 |  |
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| 7 | $K$ |
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|  | $Q$ |
|  | $Q$ | ERAFASFRRL

ERAFAS F R L
 ERAFASFRLYGFGGSANVRVQVCNRDDDCHFA
 D R V F A A F L L H GI GK S A L A T F A I N GHE

 | D | $R$ | $V$ | $F$ | $A$ | $A$ | $F$ | $L$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| D | $R$ | $V$ | $F$ | $A$ | $A$ | $F$ | $L$ |

N N C G K Q G S F A F D V


 RERAYATFSLHGVGYSANARVQVCDASDNCEFAGDFFLLG





 R E R A Y A T F S S L H G V G Y S A N A R V $V$ QV C D A S D N C E F F A G D F F KARAYANFRLGGI KTSANVRIMKLCQSDNCDNYAGEFFILGG K A R A Y A N F R R L G G $\quad$ K K A R A Y A N F R L G Gil K T S A N V R I K L C Q S D NCD N Y A G E F F I L G



 K D R I F A GFVLS GLLR $\square$ S A TVVKVY I H S S NATNEYA GEFAVLGG


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UniRef90 C7FEG7 UniRef90-C7FEG7 UniRef90-C7FEG7 UniRef90-C7FEG7 UniRet90-C7FEG7 UniRef90_C7FEG7 | UniRef90-C7FEG7 |
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UniRef90 O 220 F 4 UniRef90-D7F7P3 UniRef90 D7F7Q0 UniRef90-D7F7P2 UniRef90-D7F7N8 UniRef90-B5RHR1 UniRef90-D7F7P8 UniRef90_Q2ZOF5

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YDGTLI
VDGTSI DASVLKTPAIIYQAG $V D G T S I D A S V L K T P A D I Y Q A G$ RAGTDLSPELLKPGSVSFLPG



 Y NGVPVVSK LA A DPLI A HRPA YNGVPVSTK LADPLI AHRPA

 YDGEHVQNFTTYYATFI ERPA
 YDGEHVQNFTTYYATFI ERPA YDGEHVQNFTTYYATFI ERPA YDGEHVQNFTTYYATFI ERPA
 $V N G S A L P S D A L V S G T G V H Q P$
 $V N G S A L P S D A L V S G T G V H Q P$
 $V$ NGSALPSDALVSGTGVHQP




| $L$ | $E$ | $G$ | $T$ | $D$ |
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LE GTDL
WDNEDISTDRFPPPSVIYVP VNGTAMPGDILPPPVGAHRPA VNGTAMPGD LIPPPVVGARPA VNGTAMPGDILPPPVGAHRPA VNGTAMPGDILPPPVGAHRPA
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#### Abstract




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[^0]:    lupas_21
    lupas_14
    lupas_28
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    conf
    sol25
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