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$G \vee G N 1 Y \vee A$
GI GNWVADEILYHSRVHPEQRSNTLSMEQLTSSLHQHMQNV GVGNVYRAEVLFRQRLNPWVPGTSLDEGQTLALWDD\|VAA G|VNVYRAELLFRARQNPHTPGKLVPEEHVRHLWRDWAKLC GVGNIYRAEVLFRQG|DPACPGSELERSRFDAI WADLVHL GCGNIYADESLFRAGURPDRAQLVSADRLKRLHAALREV GLGNLLTDEDCWAGLHPSRPVSGLDDNEVKRLHTTMRRV GLGNVVVCEALLHRARLHPEAPAGSLARPEANALAKADVQV








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| UniRef90-F4CIM9 | $\underline{L}$ |
| UniRef90-A0A0110 |  |
| UniRef90_C0C4Y7 | L |
| UniRef90_K9EH05 | MKK |
| UniRef90_UPI0003AA2E3S | VRDALRDGG |
| UniRef90-R7WR61 | LVDA |
| UniRef90_UPI0003B4C3C3 | T R E A 1 |
| UniRef90_C3PEY9 | NR |
| UniRef90-I3ZKL7 | LK |
| UniRef90-IOIRX6 | LQKA】DRG |
| UniRef90_UPI0003610EA3 |  |
| UniRef90-K7UMT3 | VK Y |
| UniRef90-A1ZMR0 | LQ T A |
| UniRef90-V9XDZ0 |  |
| UniRef90-UPI00036104A9 | NR |
| UniRef90_19S8A1 | LH E $\square$ Y E Q G G |
| UniRef90_W7T601 |  |
| UniRef90_Q0SEI3 | LS D AVQ |
| UniRef90-K0F7Z9 | L S D AV |
| UniRef90-UPI0003B769B3 | LT G T L R F Q |
| UniRef90-K5VCR5 | CQTAVD |
| UniRef90-UPI0003631DBC | NKD |
| UniRef90-G2NYA9 |  |
| UniRef90-UPI0004286742 | MEKALSQGG |
| UniRef90_UPI000474D9CD | LRTA |
| UniRef90-G7GS32 | LT D AV |
| UniRef90-I2EX11 | 1 Q T A |
| UniRef90 W8AOI4 | L S D All Q |

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UniRef90-U5W8S0 UniRef90-E1NQF5 UniRef90-I1A6V7
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UniRef90-J7LS36
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UniRef90_Q6ACW1 UniRef90-F3NNK1 UniRef90-UPI00046670F1 UniRef90-B1VI93 UniRef90_V4YT33 UniRef90-UPI000465E386 UniRef90-A0A017SVJ2 UniRef90-14F250 UniRef90-G3AU29 UniRef90-A0A011U4H8 UniRef90_A4QCJO UniRef90-M3BYJ2 UniRef90_UPI000255F1AA UniRef90-A9KTB2 UniRef90_KOJPR5 UniRef90-UPI0003B7049A UniRef90- X7ELN3 UniRef90_UPI0003641C9B UniRef90-H5U4U2 UniRef90 E0TLE7 UniRef90 N6VZA6 UniRef90-D5NW42 UniRef90-H2G812
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UniRef90_A0A031FSE7
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## SE7

| N3 |
| :--- |
| P0 |

362BC45
$\qquad$
2 LZ88

## 21

 LGPDPLRDDWDLAEAVRRVES QPDRPLI AVLLDQRCVAA
 L S D DAREDS LLED FLGRSDEGPERTI GEALLDQHNLA
 LGPDPDTDAAGEFELRDFVSRDDGRRTPVGTALMDQQGLAA GADPLGEERNEEAAGRALKTVSRSKKAI GSLLLLRQDLFA $\square G P D P L R S D T D A E A A V A A L R A A P G$ A I G A ALL D D S V V S LGPDVLGEEWEAAEARRRLLA RPSRPVGTALLDQKNLA PIS SQFTYHYFVSVLENVK PTMSI KAFLDTEQRFP
 LGPDALS LHRDSLAELLA G GRTERLKWALTDQSLI A
 LGPDLLGPGWDAAEAGLRRLLAE $P$ ERPVGGALLDQQNLA SAPLKARLLDQHFVA
$P A M S A K A F L A A E Q R I M$ AMSAKAF AAEQRIP LGPDVLGPDWDPARAADNLLGSK

 $R N V A V G Q L L M D Q A V V A$

LGPDLLGPNWDADEAARRLSA
$P \mathrm{DVP} \operatorname{P}$ A EALLLDQRNLA LGPDLLGPDWDEARAAANLLAD PGRPLGEALLDQRNLA
$\square G P D L L G P D W D A E E A V R R \square A A$



$L$
$G P P D L L$
$G$



 $L G A D P L V T G T E A P N L A R V$ DSTPAEFAQRL

A

 LGPDLLGPDWDPDTALLANLL REPTRPLGEALLDQRNLA L GPDLL GADWDPAAAAARLVAD PQRPLASALLDQTVMA
 LGVEPLEAGFTSDYFAAGLAK LGPDAL GPPD EVDREGWGRLLHGSTAR

 A D
 $L G P D L L G P D W D A A E A L R R L L A D$
$G P D L L L D P A W D P A E A S R L Q E S$
$L$
 PSPLS GEFNWEWFEGIVAAAK KNTSAKALLATEQRI P
 LGPDLLGPDWDRDRAMAGYAAAGGRPLGEALLDQRDAA

$\qquad$
 PGRAVGDALLDQRNLA
$\square$
$\square$ A S E




40
 G G E T I A Q A L L D QRNLLA


 GP E VT I G T A L LD QR S L A GRNTPI KSALLDQHLVA $\begin{array}{llllllllllll}D & P & A & R & P & L & T & K & L & L & D & Q \\ G & E & A & C & A \\ L & L & Q & R & N & L & A \\ A\end{array}$ $P D V P V G V A L L D D R N L A$ T R S I HV A L L D Q R NV A QLK NLL L R DQRTIAA R QRP $\quad$ G L A A L L L Q R L $L$ V

[^1]
## VARDVLD P Y LD K A QV IGRLQAS



KNRNMPIKNAL
ML $\begin{array}{lll}A & V A & L \\ G E A & L & L\end{array}$

$P E R P$ G LALLD QRNLA


H

UniRef90_17GRE5 UniRef90_UPIO004656EC6 UniRef90-C2CM73 UniRef90_UPI00037D1AD4 UniRef90_UPI0003784DEC UniRef90-Q6KHSO

## UniRef90-M7NF24

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UniRef90 U5W8S0
UniRef90-E1NQF5
UniRef90- 11 A6V7
UniRef90_UPI00037CF04F UniRef90-D9W137 UniRef90- X1GS33 UniRef90_UPI0003B674F3 UniRef90-W5US66
UniRef90-J7LS36 UniRef90_Q019G1
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G|IGNEYRAE\| CFLCG|V|HPATPVRDTDVDR\|DTVARRLMWA

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 GLGNWLVDEFFYQSRIHPGQRGATLHDDQDEALHETIRYV
 GI GNGVLQDI LWEASLHPKRKVNSLSKQESQQLFQA!QSII GI GNAYSDEILHAAKVSPVAHAASLDDAADEAGFATVGV $G V G N V Y R A E A L F R G R V Y P W L P G A A L R D D D A A A L W E D L V F L$

 G GI GNIYRNELCFLAHVHPEMPIGRVPETRLVDLAKRLLEA
 GVGTMWCAETLE LDERVPPWTPVAELGRERVEAVVDRAHRLC
 GLGNIYTDEVLWQSKI HPDS DANKI
 GI GNI YKCELCFLAQVTPWTPVGALPDPAA
GI GNAYADEI LWQARISPFKITTKLDNKEDKTLHKAlVEV
 G L G N I Y V C E V L Y R S RIIA P TMRA GA
GIG N I Y A D E I LIF A LIKIVY P LIMP S N K I S L E Q T S E L L K V A N K I



 GII G N A Y S D E I LIFAA A RI S P V R T T G S L K D E E V E R R L H R A TV









 GVVGNLVWS D E TVLY R A GVVY P E A R R A S E L G E K ML R T L H A E M R H V

 GIGNE Y R A E I C C F I C G IV H P A T R I I K D V







 GVG N E Y R A E I C F F L L G V H P A T P V A S V D V D R A LRA T R K L M WE

 G L G N V Y R N E I C F L R GVVDPRTPD K D




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| UniRef90-Q6KHS0 | LQESTKLGG |
| UniRef90-M7NF24 | MT DGVRDG |
| UniRef90-D1BZI3 | M HDGVRRG |
| UniRef90-17KJY0 | M H VALD ${ }^{\text {d }}$ |
| UniRef90-H5XGM0 | MAQAVEDG |
| UniRef90-G7E687 | LK T |
| UniRef90-M1NKB0 | M W D |
| UniRef90_E7G6K8 | LGEMIIEQGG |
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| UniRef90_UPI00047CC405 | M NDGVRAG |
| UniRef90-UPI000225E53E | LRALV |
| UniRef90-UPI0002628201 | LTS AVE |
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| UniRef90_UPI0003816EA7 |  |
| UniRef90-UPI00040CA0CC | NK |
| UniRef90-W7S8V0 | V T D A LD G G G |
| UniRef90-R5TV24 | LQTMTEQGG |
| UniRef90-W9G2D4 | I D R G |
| UniRef90-D5ULT4 | LADGVRDG |
| UniRef90-U5W8S0 |  |
| UniRef90_E1NQF5 |  |
| UniRef90-I1A6V7 | M D K S $\square$ L L G |
| UniRef90-UPI00037CF04F |  |
| UniRef90_D9W137 |  |
| UniRef90-X1GS33 | LK WA DE Q |
| UniRef90-UPI0003B674F3 | NR |
| UniRef90-W5US66 | LKE S $\square \mathrm{K}$ L G G |
| UniRef90-J7LS36 | L G |
| UniRef90-Q019G1 | $\checkmark \mathrm{T}$ VA CA A |
| UniRef90-14EQM0 | LT GA L D |
| UniRef90-UPIO00360B4F1 |  |
| UniRef90-K1ZZK3 |  |
| UniRef90-UPI0003B34C2A | LD D S F N A G |
| UniRef90-J1SAT0 | NKR |
| UniRef90_UPI00037B63AC | LA A NLEHAG |
| UniRef90-L8TLR3 | L E |
| UniRef90_UPI000311078A | NR |
| UniRef90-D5UWD4 | LD D A V A |
| UniRef90-S2YW41 | MRYGEEHG |
| UniRef90-W5X9A2 |  |
| UniRef90-Q6ACW1 | NRD |
| UniRef90-F3NNK1 | LE |
| UniRef90-UPI00046670F1 |  |
| UniRef90-B1V193 | M WE |
| UniRef90_V4YT33 | LVRA ${ }^{\text {P }} \mathrm{L}$ L G |
| UniRef90-UPI000465E386 | L T G |
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| UniRef90-M3BYJ2 | N |
| UniRef90_UPI000255F1AA | N |
| UniRef90-A9KTB2 | LR D MVE G G G |
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| UniRef90-N6VZA6 | A DL |
| UniRef90-D5NW42 | M |
| UniRef90-H2G812 | NRFS |
| UniRef90_B3PN25 | MK D S EKGG |
| UniRef90-A0A031FSE7 |  |
| UniRef90-B7S0N3 | $\square \mathrm{T}$ S A $\mathrm{l}^{\text {N H G G }}$ |
| UniRef90_G9PEP0 | MQRALAQGG |
| UniRef90-E3GEH1 | LHQMTVKGG |
| UniRef90_UPI000362BC45 | L LDAVA |
| UniRef90_A9ERJ1 | LGDATRT |
| UniRef90_C7NJ99 | L |
| UniRef90-13LEP3 |  |
| UniRef90-A0A022LZ88 | NR D |
| UniRef90-UPI0003124421 | L S R A VEK G G |
| UniRef90-N9TVN1 | M ${ }^{\text {L K S I }}$ E L G G |
| UniRef90-F2JKH3 | L ${ }^{\text {N E MVVQK G }}$ |
| UniRef90-E3T574 |  |
| UniRef90-M1UK24 | NRN |
| UniRef90-F7KAF1 | LREMADK G G |
| UniRef90-A5PDL6 |  |
| UniRef90-10S2Z8 | $\bar{N}$ |
| UniRef90-UPI000367674D |  |
| UniRef90-W9DM95 | N R |
| UniRef90-F4H763 | M Q R V L S |
| UniRef90-G5HMT1 | MADMTAKG |
| UniRef90-UPI00046E68BF | VR K A |
| UniRef90 A3LV47 | CEESVRVE G |

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UniRef90_F6ER82 UniRef90_UPI00047321EF UniRef90_A0A031FVK6 UniRef90_UPIO00255CD12 UniRef90_K9DRL4 UniRef90_Q8A583 UniRef90_UPIO0047BDCC8 UniRef90_D0L8P2
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## UniRef90_A6GD35

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UniRef90-B8C0H8
UniRef90_UPIO00362EBC4 UniRef90_F2U7C5 UniRef90-UPI0003B30EA2 UniRef90_UPI00029B2E82 UniRef90_A7SEV1
 VGP DLLDATVELDEVVQRIRTNCDPARPILDVLLDQSLAA DVCSPKFSFSSAEREVGKKQTGRMLCDVLMDQKVLP

 $\begin{array}{ll}P & D A P \\ P & D R E\end{array}$
 DVCSPKFSFSRAESKVKDQKGR
$P$

## LG P

 DPLR$\qquad$
 Q K
$R \quad$ P
R P
D $A$
$G$
$P G$
$P A$
$P$ K R S V K A LLL L D Q TVVVA ERA I H V A A L L D Q R NV A A R R R GD
$A R$
$D R$
$E R$
$R$
$R$
$R$
$R$
$R$ $R{ }_{R} \mathrm{P}$ M L C D V L M D Q R V L P

 | $A$ | $L$ | $R$ |
| :--- | :--- | :--- |
| $M$ | $L$ | $C$ |


L GP DLL GP DWDLAA EAARRVG T L S AKAFLAT E QRFP LGPE TVDERAAHVALLDQRNVA
$\square$


K
A
$T \mathrm{D}$
H P
M



CAVPDGEALLDDQRNLAA R R EN H T I K R S L T D P H L L S R R S T $V$ K





 $L G P D L L G A Q W D P A, V A A A N L A A A P E C P L G P A L L D Q R L L A$ GT D I L T A S F DVVE K A A D A DQ

LGPDLLDPLWD DAHRERAVQNLAAPEREDGLALLDQRNLA LMDQAVVA
LGPDLLDPRFDLGEA LRRFSA N A DLS I G DALLDQRLT A L GADLI RDGMNANAILGRIDA $\begin{array}{llllll}\text { N A } & D & L & S & G & D \\ S & P & D & L & L \\ S & A & D & L & L & L\end{array}$ L G A D PLLLNMPS LDDTLRTALGGK RKAPI KAVLLDDQNPFC



LGPDLLAAKPDLDEALARMRAEAEPGVELGDAVLDQKII A
 PD PKRELLSSLPEFAKLVISKK
$\square G$ VE P LDPA

LGMEPLDAHFRWESFRDGLARSRTNHTLKRALTDPMI FS

GP
LG P




K TII K S LLLLE QD YFA | $Q$ | $A$ | $K$ | $K$ | $L$ | $L$ | $D$ | $Q$ | $R$ | $R V V$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $V$ | $P$ | $G$ | $V$ | $A$ | $M$ | $D$ | $R$ | $R$ | $V$ | $A$ |

 $R T$
N F K A R P $1 / L L L L G G K L V V$ K N I E T K E T Y I C D A L L D Q D I FA



PDPM FEYQVFRSNDISNKVFERPDCEVLLDQKFFN DVMSEAFDPA $\quad$ LA R RRLLRALPE QLACDALLANQE LA LGGPDLLDDAD WDPAEAVGRRDRE ARPGRTI GEALLDDQRNLAA

 SRAFARPDCELMMMNQSFFN

## LGPD DCVPEVDVEK ILLRFRQD $\begin{array}{lllll}D & P & T & R & P \\ R & \text { C } & \text { G A L L }\end{array}$

$L G P D L L G S D W D P A E V V R R D E E$


|  |  |
| :---: | :---: |
| UniRet90-D3SDF4 |  |
| UniRef90-UPI000273D283 | GVGNI $\square \mathrm{KNEALFDSGLHPAVKVCQLTDEQTHHLVKMDRDF}$ |
| UniRef90-0023L0 | GLGNLFKSEVAFACGLSPFRTVASLSRDQLEELVTTSRRL |
| UniRef90-M5BE23 | GLGNLWVNEVGFLRGVHPATRVRDVD |
| F2R | G\| GNV |
|  | GI GNVY |
| UniRef90-F6ER82 | GI GNVYRSELCFLRGLDPLTPTSEV ADLDGL |
| UniRef90 UPIO00473 |  |
| UniRef90-A0A031FVK6 | GFGN |
| UniRef90 K9PRL4 | GLGNGVLQDILYNARIHPKRKISTLSAEDKEQLFHAVKGT |
| UniR | GLGNGVLQDILFNAKINPKREINS |
| 0004 | GI GN |
| UniRef90-DOL8P2 | GVGN |
|  |  |
|  |  |
|  | GN |
| UniRef90-UP1000344 UniRef90 UPIOOO365: | GLGNLWANELCFVRGLHPDLPAGR |
| W7 | GVGNITKNEVLFRIGVHPANPVGD |
| UniRef90-C7NIY | GIGNGWSDEILHTARLSPFVLAATLEAEEVGRLAEAVHEV |
| UniRef90-UPIO003316DE3 | GVGNITKNEALSDAGLHPAVQVCQLTDEQI H HLVKM |
|  |  |
|  |  |
| UniRef90 F1Q570 |  |
| UniRef90- T1V | GLGNVYRNE CFDRG |
| U22 | GFGNVYANELAVRGLPTTPATRDDATAVLETGYRMDHa |
|  |  |
| P10003 | GVGN UKNEVLFRUGVHPATRLGDLPPRRLTALTEQARA |
|  |  |
| UniRef90-UP1000423D8A7 | GL GN |
|  |  |
| UniRet90-D5PCX2 | GI GNVYANELCFVSGRLPTAPVSAVDPHRLVSRARDMLWL |
| $2 \mathrm{CFz8}$ |  |
| UniRef90_UPIO0035F3DF1 UniRef90-UPI0003C2784D | GI GNLYKIDEMCFLLGVSPWTPVSGVDPAKVVA |
| UniRef90-wo | GI GNAYSDEILHRARLSPLALTARLTDDDVDRLHTATSHT |
|  |  |
| UniRef90-C8RVX2 | VGQVGEVGVTKTDDLARRV |
| UniRet90-UP1000329 | G |
| UniRef90-C5C8T0 | Gl ${ }^{\text {a }}$ |
| UniRef90-UP10004 | GVGNGIKNEVLYQRQUPESQVGE |
|  | GLGNEYVTEI CFLRSVLPSRHVADCGDAEWVALGRRLLLA |
| UniRet90-UP1000262980E | G GNWYGDE MYQAKLHPLAPVSAVIDEQL |
| UniRef90-UPIO0036F7958 | GVGNDYKVEI CFLLKVSPWTPVSEVDPAKA |
| UniRef90-L7L7 | GI GNIYSNELCFIAGV |
|  | GLGN IKN VLYAAK |
| UniRef90 UPI00045 | GLGTLYMAESLFVRRLV |
|  | GIGNIYRSELCFLRRV |
|  | GVGN |
| UniRef90-UP10003B4EF7E | GL GN |
| $\begin{aligned} & \text { UniRe } \\ & \text { UniRe } \end{aligned}$ | GLLGN |
| UniRef90-UPIooo479B | GI GRRWADEVLWEAKIAPLRRAGDLDDDERAALSAAURSR |
|  |  |
|  | GLGNV |
| UniRef90-UPIO003833E87 | G G ${ }^{\text {a }}$ G |
| Ref90_G7w |  |
| UniRef90-B3 | GL GN |
| UniRef90-A6GEY5 | GI GN |
| UniRef90-H1YD83 | GNW |
| UniF | GVGNWVSDELLYQSRIHPGEVLSDSSSPVIEALYNALISV |
| UniRef90-S4XWP8 | GIGNVYKSELL |
| UniRef90-Q2S | GVGN |
| UniRef90-A0A014N | G |
|  | GVGNYLRSEIIHRANIHPFKAIISYL DPEFIJNLVIISILE |
| UniRet90_A6GD35 | N |
| UP100029A7E00 | $\mathrm{GV}$ |
| UP100 | GVGNI |
| UniRef90-BORNH3 | GVGNIIKNEVL |
| UniRet90-D7VZI | GVGNIIKNEVL |
| ef90 W4 |  |
| Na | IYASEALFASGIMPDRKANSLTEQECDVLVNA\KTV |
| UniRef90-UP10003FODD4D UniRef90-55Y0A7 |  |
| 6J6 |  |
| HowFVo | GIGNYLRAEILFRLRIPPFEKARTVLEAQQRRLSPED T |
|  |  |
|  |  |
|  | V |
|  | GI GNVWKCEACWAQKVDPTKTLGETTDEDLVAMVE |
|  |  |


| UniRef90_W9GPF4 | LDQSRRH |
| :---: | :---: |
| UniRef90-D3SDF4 | LRRN |
| UniRef90_UPI000273D283 | SILF Y R C |
| UniRef90-Q023L0 | LQ |
| UniRef90-M5BE23 |  |
| UniRef90-F2R6R3 | L |
| UniRef90-U5WWQ8 | L W |
| UniRef90-F6ER82 | L W |
| UniRef90_UPI00047321EF |  |
| UniRef90-A0A031FVK6 | NR D |
| UniRef90-UPI000255CD12 | LR D GVA |
| UniRef90-K9DRL4 | LA D M I |
| UniRef90-Q8A583 | LKNM\LQ G G |
| UniRef90_UPI00047BDCC8 | L G D |
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| UniRef90-C5M907 | CEEAVLVE |
| UniRef90-B5EMU7 | L |
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| UniRef90_B8FW39 | LNEMAK L G G |
| UniRef90-T1VLZ5 |  |
| UniRef90-U2XPV3 | N R D |
| UniRef90-S6BJ88 |  |
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| UniRef90-F7ZZQ9 | M Q R V VT G |
| UniRef90_E6SF89 | 1 D A G |
| UniRef90_UPI000423D8A7 | I A E A VEA G G |
| UniRef90_-Q7X345 |  |
| UniRef90-D5PCX2 | N R |
| UniRef90-U2QFZ8 |  |
| UniRef90-UPI00035F3DF1 | N A WRYEQ |
| UniRef90-UPI0003C2784D |  |
| UniRef90-W0RI32 | LA E |
| UniRef90-U0FDZ0 |  |
| UniRef90-C8RVX2 | M WD |
| UniRef90_UPI000329B94F |  |
| UniRef90-G3PW62 | T L L F Y K C R |
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| UniRef90-UPI0004176611 | NR D R V |
| UniRef90-UPI000262980E |  |
| UniRef90-Q0UMK0 | CDTAVK H |
| UniRef90_UPIO0036F7958 |  |
| UniRef90_L7L7H0 | LT Q A L R T |
| UniRef90_C3Z912 |  |
| UniRef90_UPI00045E626B | MERS V |
| UniRef90-D1BJ44 | $R \mathrm{G} V \mathrm{~A}$ |
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| UniRef90-W9G191 | L HVGVA F G |
| UniRef90-UPI0003B4EF7E | L R A |
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| UniRef90-H1YD83 |  |
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| UniRef90-Q2SKH7 |  |
| UniRef90-A0A014MSJ3 | LA L A VER G G |
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| UniRef90-A6GD35 | LE A S T A |
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| UniRef90_A6WDH1 | LPLGVD A G |
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| UniRef90_UPI0003F0DD4D |  |
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| UniRef90_HOWFV0 | $\square S$ Q K $\square$ R A |
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| UniRef90_F2U7C5 | LAESVA |
| UniRef90_UPI0003B30EA2 |  |
| UniRef90-UPI00029B2E82 |  |
| UniRef90_A7SEV1 |  |


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|  | UniRef90-F7G.JP5 |

UniRetoolm 36 UniRef90-F7FP81 UniRef90-D8IFL4 UniRef90_R9NK99 UniRef90- UPIO0038320E6 UniRef90_UPIO00333CA07 UniRef90_UPI0003C15EB0
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UniRef90-F7GJP5


## 50

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70
80

 GLGN $\square C G W R F S G R Q V W H P G T$
GI GNYLRAEILYRLKIPPFEKARSVLEA
Gi G N Y L R A E I L Y R R K K I P P F E E K A R T V L E A
$G L G N V I K N E A L Y R A G V$
GI GNYLRAEILYRLKKIPPFVKARTVLEPILQ
GI GNYLRAEI LYRLRIPPFEKARKVLEALQQRLSQKDRAK
GI GNYLACEILAYAKLNPWDSVSHITEAQYGQLCQAIAAV
GI GNYLRAEILERSKIAPFDEAYSV
Gi GNYLRAE LLYRAKI PPFEKARTVLEA

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GLGRMLANEICHRARVSPFAMTGKLGRE
GVGNWVAGKSIHLYSHSPHHPV
GI GNYLRAEILYRLK IPPFEKARTVDREQTRR
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GVGNVI KNEVLHRIVRVHPESTVGALPARKLGERVPQARD
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 G GRRLSNEVCHRAKI SPF
GVGEK A QEFLTHAGFQPDTKVKE WK $V$ G D $\square E K L A T A M K$
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UniRef90 F7FP8
UniRef90_D8IFL4
UniRef90_R9NK99
UniRef90 Q5RC99
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UniRef90_F8L966
UniRef90-E9H1S5
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UniRef90- C7R3F8
UniRef90-E2RAM2
UniRef90 L7VVOS
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\hline sol0 & B B \\
\hline jhmm & \\
\hline jpssm & \\
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[^0]:    

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[^1]:    ,

