UniRef90_UPI0002198950 UniRef90 UPIOOO3790CC4 UniRef90 U2ND62 UniRef90-UP10002E21CEC UniRef90-S1HIN9 UniRef90_K4H1R5 UniRef90-A0A023V461 UniRef90-V3C2H8 UniRef90-UPIO0021989E5 UniRef90_UPIO0037FB2E2 UniRef90_-HP100037 UniRef90 ${ }^{-}$R4IOY6 UniRef90 UPIOO04705F1D UniRef90_FOLST6
UniRef90 - 4 FDS 6 UniRef90_S5HQB5 UniRef90-E6WLH1 UniRef90-Q1LTF9
UniRef90 U5MHA4 UniRet90-F9S1U8 UniRef90-S3DGT6 UniRef90-A0A011QZJ6 UniRef90_D2TZB8 UniRef90-U4K6YO UniRef90_F4DH46 UniRef90-A4SUA6 UniRet90-D3VH99 UniRef90-RBANUO UniRef90-W9B1Q4 UniRef90-12B682 UniRef90 A4WDN3 UniRef90-W1G067
UniRef90-E4WLB6 UniRef90-M4RIJ3 UniRef90-UPIIOOO2198452 UniRef90-UPIO002F4E516 UniRet90-DOZEF6 UniRet90_UPIO00237CD66 UniRef90_O8RMD5
UniRef90 F4H9R3 UniRef90-G7LTP3 UniRef90-UPIO00466B8ED UniRef90 R8APY4
UniRef90 U1H2H5 UniRef90-UЗA578 UniRef90-V3FGW8 UniReffo-U3U3G1 UniRef90-E3G6K1 UniRef90-DOKA75
UniRef90_F4DHY9 UniRef90-UP1000370BCFA UniRet90 BoBTV UniRef90_W9ABM5
UniRef90-Q6AQT8 UniRef90-P57360 UniRef90-UP1000370C0CF UniRef90-F9S7R4 UniRef90_UPIO00363C917 UniRef90-G7SVU3 UniRef90-G2S7G6 UniRef90-F9R199 UniRef90-UPIOOO46EFDDE UniReffo- $66 \mathrm{WJ} \mathrm{A}_{2}$ UniRet90 B2VAY7 UniRef90-W9AF92
UniRef90_BOUTX9 UniRef90-R9PU75 UniRef90_E8PSE9 UniRef90-X3Z6R8 UniRef90_UPIOO04640666 UniRef90_G8LP26 UniRef90-C7BII2 UniRef90-O2NQ66 UniRef90_16WTB7 UniRef90-S5FOB7 UniRef90_M1KAM3 UniRef90-UPIO00470EAD7 UniRef90-F3F3R5 UniRef90-UPIO002B914DE UniRef90 G2HO15 UniRef90_N2JW83
UniRef90_L4JLU5 2


## ZJ6


$\qquad$
70BCFA
70C0CF
46EFDDE

30 .
D
D

D
D ${ }^{\mathrm{F}} \mathrm{A}$

$$
\text { R A Y A RE LT }{ }^{20}
$$ $\mathrm{E} Q$

E Q
E

 | $A$ | $D$ | $D$ |
| :---: | :---: | :---: |
| $G$ | $L$ | $E$ |
| $G$ | $L$ | $N$ |
| $M$ | $L$ | $E$ |
| $M$ |  |  | $\begin{array}{lll}\text { E } & K & L \\ N & K \\ \text { L } \\ \text { K } & \text { F }\end{array}$

 |  | $Q$ | $E$ | $R$ |
| :--- | :--- | :--- | :--- |
| $V$ | $D$ | $E$ | $R$ |
| $V$ | $E$ | $E$ | $R$ |
| $V$ | $N$ | $E$ | $R$ |
| $V$ | $A$ | $E$ | $R$ |
| $V$ | $N$ | $D$ | $R$ |
| $V$ | $E$ | $D$ | $R$ |
| $V$ | $D$ | $E$ | $R$ |
| $T$ | $K$ | $E$ | $R$ |
| $A$ | $G$ | $E$ | $R$ |
| $V$ | $E$ | $E$ | $R$ | $\begin{array}{ll}R & K \\ R & R \\ R & R \\ R & R\end{array}$




 F L K V L L E ALLK S L N N I R T L R A L V R E M DV D MLLDEMLLDKFSVVVVTERRE D
E
D
E
E
E
D
E

## D

$$
\begin{aligned}
& \mathrm{C} \\
& \mathrm{D} \\
& \mathrm{E}
\end{aligned}
$$

ED
D A MK A L L N L R S L R A L A K E M S T E QL H E A L E K L
DALKALNNLRT
MIE
DFVKVFLNARS
E L K K M L N R RDVIKALNNIRILRAQAR
E A L K N N N R L R A M S R
E F L K V L L

LQ $\operatorname{L} L \mathbb{N} N \mathrm{I}$E F $|$| $I$ |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $L$ | $V$ | $L$ | $L$ | $N$ | $Q$ | $R$ |

E

E
E\|RRTLSNIRSIVRGARDALKALNNLRTLRARA
EALKILNNI RTLRAQARXXXXXTLE EMLEKLEVVVN
D F L R T F L N AR
L Q L N N
L R A MARELSLDVL E L M
 TRAFARE
L LE KL N NI R S LRAMSREFS IDV
DVFKTLLNLRS
ELFSVLLNLRS
ELEKV L N L R SLRAASRELSLE
EMR 
R T $\quad$ Y $V$ V $R$ R
R T $\quad$ Y $V$ V $R$ R


UniRef90_L8J6D3 UniRef90_B5EWF6 UniRef90-W9B2K7 UniRef90-B2VAT7 UniRef90-K1INE2 UniRef90 UPIO0047AFE47 UniRef90-UPI00036759D9 UniRef90-UPI000407792E UniRef90_S5IUH0

 MKI L LINL R SL RVVVCRDIELSDLKDALDK LT L VVNEDFE RTLSNIRSLRVFAREMNFDLLCEIQEKFSMVVEEMRA EF F L K IL L N I I R S





ESERK
DAERQ
Q E Q A Q
UniRef90-UPI00036759D9
UniRef90_UPI000407792E
UniRef90_S5IUH0

| lupas_21 | C C C C |
| :---: | :---: |
| lupas_14 |  |
| lupas_28 | C C C C |
| jnet |  |
| conf sol25 | 88518 |
| sol5 |  |
| sol0 |  |
| jhmm |  |
| jpssm |  |

lupas 21
lupas_14
lupas_28
jnet
sol25
O
jhmm

