

QUERY
UniRef90_UPI000363C08A
UniRef90_K9TTQ3
UniRef90_UPI00037F685F
UniRef90_K9Z6R7
UniRef90_K8GML8
UniRef90 E0UIK6
UniRef90-UPI000313090C
UniRef90_K9YL59
UniRef90-M1WNW5
UniRef90 K9TC99
UniRef90 UPI00047A538B UniRef90_UPI00034D0669
UniRef90_K9UJ05
UniRef90_UPI00034C3261
UniRef90-UPI00030DF46D
UniRef90_WOFFW3
UniRef90_UPI00030C0588
UniRef90 UPI000347B4E8
UniRef90_D4ZWQ8
UniRef90_UPI00037DA923
UniRef90_UPI000360DFE9
UniRef90_A8ZMV5
UniRef90_K9PRM1
UniRef90-K9Q097
UniRef90_K9TTD6
UniRef90_UPI00035D5BC1
UniRef90-K9XFX4
UniRef90_K9RJ04
UniRef90_B4WGKO
UniRef90 Q2JH66
UniRef90-K9U173
UniRef90_K9X014
UniRef90-K9U030
UniRef90_K9T8W1
UniRef90-K9UHV5
UniRef90-K9Z5A3
UniRef90-A0YM89
UniRef90 UPI0003161BFB
UniRef90-A0A7B9
UniRef90_UPI0003493E8C
UniRef90_K9EMS1
UniRef90 UPI0003723BBC UniRef90_UPI0002EE8D71
UniRef90_UPI00034BB906
UniRef90_L8M1R6
UniRef90_K8GQX7
UniRef90_L8LZH2
UniRef90_A0YLI5
UniRef90_D8FV26
UniRef90-K9EPW8
UniRef90_U9W2E5
UniRef90_K9UGD8
UniRef90-D4ZXN0
UniRef90_L8LUA4
UniRef90_U9VZU3
UniRef90_K9XU38
UniRef90_UPI000348839F
UniRef90-F4XQV4
UniRef90_L8LXA0
UniRef90_R9XWF2
UniRef90 K9SCE2
UniRef90 K9WKW6
UniRef90_U9W8U9
UniRef90_K9UWY5
UniRef90-K9VHX7
UniRef90_K9XPG1
UniRef90_U7QIX6
UniRef90 UPI0003474371
UniRef90-M2WV85
UniRef90-K9EPX3
UniRef90_K9XYQ0
UniRef90-UPI000378808E
UniRef90_W0FL08
UniRef90_UPI00037E0194
UniRef90_V5V6V6
UniRef90-O19900
UniRef90-M4ITT3
UniRef90 B8HRV7
UniRef90-W8DXF9
UniRef90-B7K2A9
UniRef90_UPI0003818BCC
UniRef90_A8HTL9
UniRef90_P35087
UniRef90_Q85G54
UniRef90_UPI0002EEF3DD
UniRef90_K9PUV9
UniRef90_B4WKJ3

EATYQELLKHQW DNMYKDFIRHQW EATYKELLKHHW EVTYKNLLKHQW E NLY K DTLKHQW ENGYKQF
ENRHQW
ENFYKHF LKHEW
 E NMYKHVLKKHEW EATYQELLRHEW ETMYRHFLRHEW EMTYQQLLKHEW DNDYRTLVARQW ENSYKNLIAHQW DNMYKTLLKQDW ENMYKSLIEHNW ENMYQYFJKHHW DTYYKETLKHQW EATYQELLKHQW ENMYQHFLKYQW
ENMYKF KHEW EAMYRHFLKQQW ETMYKQLIKQEW ETMYK
ETMLKHNW
ENMYKEVIKHQW E TMYQQFLKHEW DNMYDELLCQDYW ETIYQELLKHEW D NL V K HLL K N A
EATYRQLLRH
K TMY QEFGLKHEW
EKTYQQMLKQEW NMIYKGlLKKDW D NL Y K H L L K K N
E IHFR NFVK Q
D NA I R S LVK
D N M I K K I M K N A
E N L F REEIMKE S W
A V TF R Gl L K K A W
D NLLY A A III K K N W
D NLEK H MLLK K
D NLVKHLLKNA
TTMYLGLLKQEW
TTTF R E E L L K D A W
D NLYKELE
DNLYEDLLQEE

D NLLMRHWMKN

| $E$ | $N$ | $L$ | $Y$ | $K$ | $N$ | $W$ | $L$ | $K$ | $S$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $K$ | $A$ |  |  |  |  |  |  |  |  |
| $K$ | $V$ | $F$ | $Q$ | $E$ | $L$ | $M$ | $K$ | $R$ | $E$ |


D NL V K K L L K N A
ENLLRELIKN
D NLLKNWMK
DNLYRELF
D NWIKHTFKE
D N LYK VLLLE Q
D NIVKKLL
ENLIFRHLLKNA
D N L MKHLLKTA
D Nil 1 K HFll K N
ENIIKSLI RKA
D N ML K HLLK
NASFSEILREAW
D N L V R HLI K Q A
D NVLRQTIKN
ENLLKHWMKN
DNI I RDLIK Q N
D NL L K H WI K K
ENYYQK LERN
D N I M R SLLK Q
D NLVK HLLK SA
D NII K Y Fill K N
ENL CREMLK C Q


DNVI RS LVKRA
D NI I K Y L I R N S Y
D N I I K Y FI Q N
D NVI R S LI K K A
D N I I K Y Fill K N
TNVVRNL
D N V I K QL MREA
D TLIFTKL
ENIFFKGMIRQ
DNFIKYLLRKA
D NIIRNLVKN D N WI H QMFRE

UniRef90_K9T7B0 UniRef90-K9SCZ5 UniRef90_Q1XDC1 UniRef90-K9Q1L1 UniRef90 U5XGZ2 UniRef90_-P73890 UniRef90_P73891 UniRef90_G9BWC5

lupas_21 lupas_14 lupas_28
jnet conf sol25 sol5 sol0 jhmm
jpssm

| UniRef90_K9T7B0 | D NAll R L L V K ${ }^{50}$ |
| :---: | :---: |
| UniRef90-K9SCZ5 | DNLI R DL MRR |
| UniRef90-Q1XDC1 |  |
| UniRef90-K9Q1L1 | ENLLSKL |
| UniRef90-U5XGZ2 | DNI I K NLL |
| UniRef90-P73890 | D NLI R DLMKN |
| UniRef90-P73891 | SNVI RDLMRQA |
| UniRef90_G9BWC5 | D DLI K N WMR |
| lupas_21 |  |
| lupas_14 |  |
| lupas_28 |  |
| jnet |  |
| conf | 999999987289 |
| sol25 | B B B B |
| sol5 | $B \quad B$ |
| sol0 |  |
| jhmm |  |
| jpssm |  |

