QUERY
UniRef90_P48988 UniRef90 ${ }^{-}$P07199 UniRef90-13N785
UniRef90_Q923C5 UniRef90_UPI0000D9C7BA UniRef90 ${ }^{-}$UPI0002C5563C UniRef90_UPI00034F4C80 UniRef90-UPIO003841634 UniRef90_UPI0003AF47D3 UniRef90 UPI0001CE09CB UniRef90_UPI00044406D7 UniRef90 G3UNH8 UniRef90_UPI0003F1731E UniRef90-G7N2V2 UniRef90_UPIO00350D0DB UniRef90-H0W8P9
UniRef90_UPI000333A5AD
UniRef90-F6WYF8
UniRef90-UPI0003C17123
UniRef90 F7FE48
UniRef90-F6WAY4
UniRef90-F6PI44
UniRef90 L5M836
UniRef90_M1EJF7
UniRef90-UPIOOO0E25574
UniRef90-G3WMU9
UniRef90 ${ }^{-}$UPI0003291E77
UniRef90-P49451
UniRef90-G5B4U7
UniRef90-G1Q0X0
UniRef90 S9WSM7
UniRef90_UPIO0017C340D
UniRef90_Q71VN3
UniRef90-G1SAA6
 $V V P P V V P P S S F F G G E E A A M M A A Y Y F F A A M M V V K K R R Y Y$ VVPPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY $V V P P V V P P S S F F G G E E A A M M A A Y Y F F A A M M V V K K R R Y Y$ $V V P P V V P P S S F F G G E E A A M M A A Y Y F F A A M M V V K K R R Y Y$ VVPPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY VVPPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY $V V P P V V P P S S F F G G E E A A M M A A Y Y F F A A M M V V K K R R Y Y$ PPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY VVPPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY VVPPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY MMPPVVPPTTFFGGEEAAMMAAYYFFAAMMVVKKRRYY VVPPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY VVPPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY VVVPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY $V V P P V V P P S S F F G G E E A A M M A A Y Y F F A A M M V V K K R R Y Y$ VVPPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY PPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY PPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY VVPPVVPPSSLLGGEEAAMMAAYYFFAAMMVVKKRRYY PPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY VVPPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY $V V P P V V P P S S F F G G E E A A M M A A Y Y F F A A M M V V K K R R Y Y$ VVPPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY $V V P P V V P P S S F F G G E E A A M M A A Y Y F F A A M M V V K K R R Y Y$ PPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY PPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY PPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY $V V P P V V P P S S F F G G E E A A M M A A Y Y F F A A M M V V K K R R Y Y$ VVPPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY FFGGEEAAMMAAYYFFAAMMVVKKRRYY VVPPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY VVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRRYY VVPPVVPPSSFFGGEEAAMMAAYYFFAAMMVVKKRR
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


| QUERY |
| :---: |
| UniRef90_P48988 |
| UniRef90-P07199 |
| UniRef90-I3N785 |
| UniRef90_Q923C5 |
| UniRef90-UPI0000D90 |
| UniRef90-UPI0002C5563C |
| UniRef90-UPI00034F4C80 |
| UniRef90-UPI0003841634 |
| UniRef90_UPI0003AF47D3 |
| UniRef90-UPI0001CE09CB |
| UniRef90_UPI00044406D7 |
| UniRef90-G3UNH8 |
| UniRef90 UPI0003F1731E |
| UniRef90-G7N2V2 |
| UniRef90 UPI000350D0DB |
| UniRef90-H0W8P9 |
| UniRef90-UPI000333A5AD |
| UniRef90-F6WYF8 |
| UniRef90-UPI0003C17123 |
| UniRef90-F7FE48 |
| UniRef90-F6WAY4 |
| UniRef90-F6PI44 |
| UniRef90-L5M836 |
| UniRef90-M1EJF7 |
| UniRef90-UPI0000E25574 |
| UniRef90-G3WMU9 |
| UniRef90-UPI0003291E77 |
| UniRef90-P49451 |
| UniRef90-G5B4U7 |
| UniRef90-G1Q0X0 |
| UniRef90-S9WSM7 |
| UniRef90 UPI000170 |
| UniRef90-Q71VN3 |
|  |


|  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

[^0]

| QUERY | $\mathrm{L}, \mathrm{~V} H \square \mathrm{~V} T \square \mathrm{R} \square \mathrm{~K} \square \mathrm{~N}$ |
| :---: | :---: |
| UniRef90_P48988 |  |
| UniRef90-P07199 | L L V V H HVVTTRRKKNN |
| UniRef90-I3N785 | LLVVHHVVTTRRKKNN |
| UniRef90-Q923C5 | L L V V H HVVTTRRKKNN |
| UniRef90-UPI0000D9C7BA | L L V V H HVVTTRRKKNN |
| UniRef90-UPI0002C5563C | LLVVHHVVTTRRKKNN |
| UniRef90_UPI00034F4C80 | L L V V H HVVTTRRKKNN |
| UniRef90-UPIO003841634 | L L V V H HVVTTRRKKNN |
| UniRef90-UPI0003AF47D3 | L L V V H HVVTTRRKKNN |
| UniRef90-UPI0001CE09CB | L L V V H HVVTTRRKKNN |
| UniRef90_UPIO0044406D7 | L L I I H HVVTTRRKKNN |
| UniRef90-G3UNH8 | L L V VH HVVTTKKKKNN |
| UniRef90-UPI0003F1731E | L L V V H HVVTTKKK ${ }^{\text {V }}$, |
| UniRef90-G7N2V2 | L L V V H HVVTTRRKKNN |
| UniRef90_UPI000350D0DB | L L V V H HVVTTRRKKNN |
| UniRef90-H0W8P9 | L L V V H HVVTTRRKKNN |
| UniRef90-UPI000333A5AD | L LVVHHVVTTKKKKNN |
| UniRef90-F6WYF8 | L L V V H HVVTTRRKKNN |
| UniRef90-UPI0003C17123 | L L V V H HVVTTRRKKNN |
| UniRef90-F7FE48 | L L V V H HVVTTRRKKNN |
| UniRef90-F6WAY4 | L L V V H HV T TRRRRS |
| UniRef90-F6PI44 | L L V V H HVVTTRRKKNN |
| UniRef90-L5M836 | L L V V H HVVTTRRKKNN |
| UniRef90-M1EJF7 | L L V V H HVVTTRRKKNN |
| UniRef90_UPI0000E25574 | LLVVHHVVTTRRKKNN |
| UniRef90_G3WMU9 | LLVVHHVVTTRRKKNN |
| UniRef90_UPI0003291E77 | L LVVHHVVTTRRKKS |
| UniRef90-P49451 | L L V V H HVVTTRRKKNN |
| UniRef90-G5B4U7 | LLVVHHVVTTRRKKNN |
| UniRef90-G1Q0X0 | L L V V H HVVTTRRKKNN |
| UniRef90-S9WSM7 | LLVVHHVVTTRRKKNN |
| UniRef90-UPI00017C340D | L L V V H HVVTTRRKKNN |
| UniRef90-Q71VN3 | LLVVHHVVTTRRKKNN |
| UniRef90_G1SAA6 |  |
| lupas_21 |  |
| lupas_14 |  |
| lupas_28 |  |
| jnet E E E E E E E E |  |
| conf | 5566667711669999 |
| sol25 B B B B B B B |  |
| sol5 B B |  |
| sol0 |  |
| jhmm | EEEEEEEE |
| jpssm | E E E E E E E E E E |


[^0]:    lupas_21
    lupas_21
    lupas_14
    lupas_28
    jnet
    conf
    conf
    sol25
    sol5
    sol0
    jhmm
    jpssm

