

LLD Q H L $\quad$ I A Y REVT R $\square$ S TAARLLLPSEEV

lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


QUERY UniRef90_E3SFL4 UniRef90-K4F7U4 UniRef90 L7TJ72 UniRef90-M5JMU0
UniRef90 F5S8W2 UniRef90 E7RX85 UniRef90_C9PQ96 UniRef90-C6AQX9 UniRef90-M1HYB6 UniRef90-A6UEX8 UniRef90-A0A024KHQ2 UniRef90_C9TZE4 UniRef90_S5Y8W1 UniRef90_UPIO003A06549 UniRef90-M1GYY3 UniRef90-W0QB30 UniRef90-UPIO003F6C795 UniRef90-D2TYX1 UniRef90_G8DF23 UniRef90_L2F625 UniRef90-A9BBB4 UniRef90-UPI0003803F8A UniRef90-F4YXR7 UniRef90-A0A023NGV8 UniRef90 M1HWU6 UniRef90-D4G8V4 UniRef90_Q56C32 UniRef90 M4QUK4 UniRet90_XOYFN3
UniRef90_R9TFK5 UniRef90-E1XTC8 UniRef90-Q56EY3 UniRef90-M1GXH5 UniRef90-M4MC45 UniRef90-M1HBN2 UniRef90-S4T813 UniRef90-C4WNE1 UniRef90_K1ZHC2
UniRef90_D7EAE8 UniRef90_A9A2F4 UniRef90-D1C6C4 UniRef90_Q46F38 UniRef90-B3DWN8 UniRet90_K2GB85 UniRef90_K0B9S7 UniRef90-Q8TIS2 UniRef90_UPIO003B691A4 UniRef90_UPI00037CB85B UniRef90-H5SH11 UniRef90-Q0EZF3 UniRef90-15AY68 UniRef90-D6Z023 UniRef90_UPI00035C9BA7 UniRet90_Q6AQB4 UniRef90 M0M868 UniRef90_C0GFI4 UniRef90-M1Q7X0
 SDDFKI P S S F L L G T GHVVTFFYYDKLL F L K N R H Q EL I A E C L K R
 TDARNPSVYTLGKGHVRFFYPRLGYLAKRQAAI IDEMLAR LVGQPADYKLGEGHVRFFFNKLRFLQKRYAGLHEECLAR $N L V G Q P A D Y K L G E G H V R F F F D K L A F L Q R R Y A A L H E E C L A R$ LAGQPDDYKLGSGHVRFFFNKLAFLKRRYDLLHQECLAR GQPTEYKLGGGHVRFFFNKMAFLKKRYGALHAECRVVR
 DDTRNPTEYRLGPGHVRFFYPRLLYLARRQASLI AEMQSR QDSRNPQQYTLGAGHVRFFYARLGYLAKRQAALIAEMQAR SDPRNPRDYRLGAGHVRFFYPRLGYLAQRQAALVAEMLRR DDPRNPRSYTLGKGHVRFFYPRGGFLVQRQQALIDEMLRR K VAKDPNKFTLNTGHVLFFYDKGAYLRKRYQELTEELEKR GQPADYKLGEGHVRFFFNKLTFLKKRYDALHEECLAR
 NDLTQPDHYKMGQGHVMFFMSRCGWLVHRYVTLYDELVNR A ILK LDPTYRMSTGHVLFFYDKLNFIEQRYFHLRHEVLKR TKESLPKNFTLNTGHVRFFYNKGKYLYKRYLDII EEMKRR GKGHLLFY RLGYLARRHRALVEEMRRR $K S F E Q P E R Y T L G K G H M L F F Y T R L G Y L V K R H A E L I V Q E M R R$
$R D P R N P R Y V L G T G H V R F F Y D K G L Y L L R R Q K A L V A E M Q R R ~$ SLAKTPYKYTLGTGHIKYFYRKLSWLKKRYEDVTEECDRR KI $D K \square P K K F T L N T G H V L F F Y N K G S Y L R R R Y N E L T E D L K K R$ K V SQY LL GKGHVIFFRDKGLFLYKRYMLLQKECINR
 GDVKI APEYKLGTGHELFFVDKCKWLYDRWVLLRDELDKR TNLKIPEHYVLGTGHETFFFDKLHYLYDRYQDLCEELI HR NLKGAPKHYKLNEGHVLFFRDKLVYLIQRYDQLVAELLSR KRFRTNKNPDGGRGHVTFFYNKLAWLRDRYDMLMDEMTKR KVAKDPAKFTMNTGHVLFFYNKGMYLHKRYAELTAELVRR
 GHVLFFYDKGAYLDKRYAELTAELVRR PAYVMGAGHMKFFYDKGKFLARQCEELYQACITR MGKGHVRFFYPRLGYLAKRQAAI IDEMLAR
KHPET
KAYSNHPE
LRWAGKTKALYGRHEMLVEEFTRR
 GFANHPET RRWRGKLKALFLRHDQLVAEMQRR KAYAHHPE TMRWRGKLKALYLRHEALVEEMTRR KGYANHPETK RWRGKLKALFLRHEQLVKEMVRR K H P E T

KGYSDHPET LR WVGKNRA KAYAHHPE HVNQKKGYSRHPETLRWTKA LTGLYLRHEDLVQEMGLR KGYSRHPETLR WTGFGWALNKRHQLLAAEMKLR K GYAHHPE KGYSRHPETLR WMDFGWALNKRHQLLSAEMKLR KGYANHPE TRRWQSYGWALQQRHRLLACEMALR SGYSRHPETRRWTGH LEFLILRHDLILKEMTLR NNKKGYSRHPETVR WLEHGWAL GKRHLQLAVEMSLR RGYAAHPETK KAYAHHPE HGEA $\square$ AE

HGEADAE GHAERGNDDTTRLEERHDDLAAEMERR $R W K E N L V P L V A R H D L T V K E M R L R$
$R W R G K L K A L Y L R H E A L V R E M T K R$ GHAEKGNDDTTRLEERHARLAAEMERR
lupas_21
lupas_14
lupas_28
jnet
conf
sol25
sol5
sol0
jhmm
jpssm


QUERY UniRef90_E3SFL4 UniRef90-K4F7U4 UniRef90 L7TJ72 UniRef90-M5JMU0 UniRef90-F5S8W2 UniRef90 C9PQ96 UniRef90-C6AQX9 UniRef90-M1HYB6 UniRef90-A6UEX8 UniRef90_A0A024KHQ2 UniRef90_C9TZE4 UniRef90-S5Y8W1 UniRef90_UPIO003A06549 UniRef90-M1GYY3 UniRef90 W0QB30 UniRef90-UPI0003F6C795 UniRef90_D2TYX1 UniRef90_-Q7TV95 UniRef90_G8DF23 UniRef90-L2F625
UniRef90-A9BBB4 UniRef90-K0MX78 UniRef90-UPI0003803F8A UniRef90-F4YXR7 UniRef90_A0A023NGV8 UniRef90 M1HWU6 UniRef90-D4G8V4 UniRef90-Q56C32 UniRef90-M4QUK4 UniRef90- X0YFN3 UniRef90_R9TFK5 UniRef90-E1XTC8 UniRef90 Q56EY3 UniRef90 ${ }^{-}$M1GXH5 UniRef90-M4MC45 UniRef90_D9PM99 UniRef90 M1HBN2 UniRef90-S4T813 UniRef90_C4WNE1 UniRef90_K1ZHC2 UniRef90-D7EAE8 UniRef90-A9A2F4 UniRef90-D1C6C4 UniRef90_Q46F38 UniRef90-B3DWN8 UniRef90_K2GB85 UniRef90-KOB9S7
UniRef90-Q8TIS2 UniRef90 UPI0003B691A4 UniRef90 UPI00037CB85B UniRef90-H5SH11 UniRef90-Q0EZF UniRef90 15AY68 UniRef90 D6Z023 UniRef90_UPI00035C9BA7 UniRef90_Q6AQB4 UniRef90 M0M868 UniRef90_C0GFI4 UniRef90-M1Q7X0


 GMKIQNTEEVNDISSFPAEFCNDYVPSESE:IKTSRERELIEK
 GFRVQNDWPQDLPDTPSLW RDYQPTEQALALNRERITAR
 GYAPQFTNDEELDGUPDEWRADWEPTAEADADNRAR A ER GYK $\square N V D A K L D P D N M V G E F Y N D Y T P T E D A F N I D R T R I A E K$


 GYSDNDDDVNGVNDIPVEFDDWYEPTDSAMTVNRARILER


 GYN I DE NAK F D P D G DM D P WN G E Y K P T D E A F D I I R R R I D E K


 GYSPTDNWKVE $\quad$ PPEYTHLF GEWTPTEADI SLSRTRI AEM


 GYSPQFTNDDQLDGFPDVWCNDWEPTERAVADNRAR】SER G Y N H
GYNHQDVRFATGSDTQDEF $\square D S Y E$
GY S H Q
 GYKP LDDPALA T GKAVQQDEFVDS Y E E QVQLLKE R GYKHKSPLDQNLSGIQDQF G Y K H
G Y N HKDKRKATGKSLQDVFID D
GYNP LDPALATGKAVQDEFVDSYE
GFRHNSPDERPGEGWPDTFI D
 GYNHHSPVPENPPGWPD $\square$ F $\square D$
$G F \quad T D R S P V A L T N W P A V Y L D E$
GFKH
GMNEMD
K F K H
GYKP LDPALATGKAVQDEFVNTY
D MNHDSPLAYDGP

A $\square \mathrm{DVERNREDLLER}$
E E QVR $\|$ LKER

[^0]|  |  |
| :---: | :---: |
| QUERY UniRef90_E3SFL4 | A QRPTWYKYYGKAIVA |
| UniRef90-K4F7U4 | LILLKPKWYKFSTDSV |
| UniRef90-L7TJ72 | L QMKPKWYKFT D |
| UniRef90-M5JMU0 | L A K R P |
| UniRef90-F5S8W2 | MPQKARFTPH |
| UniRef90_E7RX85 | MPAKARFTP |
| UniRef90-C9PQ96 | MPAKPRFTQ |
| UniRef90-C6AQX9 | MPAKARFT |
| UniRef90-M1HYB6 | $\square$ A M K P G WY K F F T P |
| UniRef90-A6UEX8 | V S Q |
| UniRef90-A0A024KHQ2 | L A |
| UniRef90-C9TZE4 |  |
| UniRef90-S5Y8W1 | L A K P K |
| UniRef90-Q9WH51 | I A MK P N WY R F T K |
| UniRef90_UPI0003A06549 | L N K P N |
| UniRef90-M1GYY3 | IAMKPDFY HFGQVVKA |
| UniRef90-W0QB30 | MPAKPRFT |
| UniRef90-UPI0003F6C795 | MPEKPRYTPH |
| UniRef90-D2TYX1 | MP LK PRFTSHKNN】 |
| UniRef90_Q7TV95 | 1 NQKPNWY R WT K K |
| UniRef90-G8DF23 | L S |
| UniRef90-L2F625 | 1 HAKPNWYK】HGNLI |
| UniRef90-A9BBB4 | IN QKPHWYRWT |
| UniRef90-K0MX78 |  |
| UniRef90-UPI0003803F8A |  |
| UniRef90-F4YXR7 | T A A |
| UniRef90-A0A023NGV8 | FPKSAR |
| UniRef90-M1HWU6 | $\square$ M M K P E WY R F F |
| UniRef90-D4G8V4 | MPPKPRF |
| UniRef90_Q56C32 | FELRKRAYRFGTEII |
| UniRef90_M4QUK4 | F DLRKRAYHLT T |
| UniRef90-XOYFN3 | $\square \mathrm{S}$ |
| UniRef90-R9TFK5 |  |
| UniRef90-E1XTC8 | LN |
| UniRef90-Q56EY3 | 1 P E K |
| UniRef90-M1GXH5 | I A M K P L F Y K F F D A P |
| UniRef90_M4MC45 | FDLRKKAY |
| UniRef90-D9PM99 | L N K |
| UniRef90-M1HBN2 |  |
| UniRef90_S4T813 | L Q K P N F Y TLINGKPV |
| UniRef90-C4WNE1 | LAK R P |
| UniRef90-K1ZHC2 |  |
| UniRef90-D7EAE8 |  |
| UniRef90-A9A2F4 |  |
| UniRef90-G1UNN1 |  |
| UniRef90-D1C6C4 |  |
| UniRef90-Q46F38 |  |
| UniRef90-B3DWN8 |  |
| UniRef90-K2GB85 |  |
| UniRef90-K0B9S7 |  |
| UniRef90 Q8TIS2 |  |
| UniRef90-UPI0003B691A4 |  |
| UniRef90_UPI00037CB85B | $\square \mathrm{P}$ G R |
| UniRef90-H5SH11 | EPGR |
| UniRef90-Q0EZF3 |  |
| UniRef90-15AY68 |  |
| UniRef90-D6Z023 |  |
| UniRef90-UPI00035C9BA7 |  |
| UniRef90-Q6AQB4 |  |
| UniRef90-M0M868 |  |
| UniRef90-COGFI4 |  |
| UniRef90 ${ }^{-}$M1Q7X0 |  |
| UniRef90-M0MVK9 |  |
| lupas_21 |  |
| lupas_14 |  |
| lupas_28 |  |
| jnet |  |
| conf | 60478521347741068 |
| sol25 | B B B B B B |
| sol5 |  |
| sol0 |  |
| jhmm | - |
| jpssm | - $\quad>$ |


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

