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 MME EIYYFEKPGKQNTEKTLELAVERALKRG|KHHLVVAS MYFEKPGKQNTEKTLEIVKKAVREHNIKHVVVAS MYFDHKGPSNTGQTI ELAVKRAQELGLSHLVVAS DEKADTYFEKAGAQNTEETLKLALERAKELHMKDIVVAS MKKDIGYFDEPGEKNTDKLIELVKKRVEELIGKDVVVAS MEKK\VYFENPGAENTDEVIKLVKERKEELGIENGVVAS $\square K R D \| V Y F E K P G G Q N T D D T H R L A V E R A K E L K I K K F V V A S$ MEKPVMYKTEGKHTEKTVEASKAR MEKNMYWKKKGPDNTDSTIKAALVKAEELNIQHIVVAS YVTKEVMYFDVGEKNOVGDKKAKEGGVVAS MKRSULYFDDVGKQNTDDVVKVAANRAEELEVEYVVLSS MYWQQKGKSNTEA VKLALKRARELGLKDVVIPS MEKTTQYFERPGKENTDELIQLVKTRMEELGIKDIVVAS MKLFEKPGKENTDETLKISVERAKRGDIKSIVVAS MYFEKAGKENTDKTLELALETARNRNIKHIVLAS MYWSQKGPVNTDETIALAVKRARELSIDHIVVAS MYFDKTGKVNTKDTAVLALKAAAEKNI KYIVAAS MEKSDTYFEYAGAPNTEETLKLAVNRAEELNXKNVISS MHWPYKGPANTDAT:RAAVARARELSISNYVAS MEKT LYZESTGKENTQLVI DAAIKRAEELGIRQUVVSS EVHYFEKPGSENSSEVVRLTLKRARELEISTFVVAS
 YRRKSFMYFNNPGKEHTEKT ERADKDAKERGLKHLVVAS DTREMYFSNKGKENTSTTIDLVLKTAVEKGIKHIVVAS ERTVWYFEAPGPQNTEKALECAVKRAKEGGI AYLVVAS MYWKNKGAANTAATAEAAVKRAQEDGIRHVVVAS TVYFDYAGSQNTEQTLKLAVERAKKGDIKSIVVAS MYFENAGKENSKNTVDIALETANKKGIKHIVIAS MKKTMHYFENSGQDNTNRALELAVERGKELGVTDYIVAS YSAKTTYYFNNPGPENTRDSAAFAVERAKELGLDKIVVAS YCTKKMILFREPGRTNTKKTLEMADEKARSLPSRKLLIAS MYWKSAGPVHTANAVALABRKAKEAKI NSGVVAS MKYEVFYWDKPGKQNTNKTINLALKRARQLKIKNFIIAS MYYESDGKVNTKSTVDLAIKAAGEKNIKNTVVAS YTAKTTYYFDEPGPSNTKDCASFAVERAEEDGIKTIIVAS MYFKKSGKINTEETVKGAVKTAKERNINYVVAT FTAKTTYYFDAPGAANTKDAARFAVERAKELHLKKIVVAS DEKT $\square$ TYFSEPGKENTRDCAEDAVQRAKELGLSTIVVAS FQKCHYFTNAGPDNTQATLQAAHERAKTLRIKKVVISS FVQKRSYYFDTPGPANTEDAARFSLERAKETG|MTVVVAS
MEKSITYF YFENFGDENTEKTLRLAVSKAKEGI MYFDEKGAGNTEQCVELALKTAAERNIRHVVAS RKEVLYFESAGEDNTDTTLKGAKERGDEGGMKDVVVAS MYFNAPGKENTKATLEAAYKRAQELGVNEIVLAS KKSLLYFPGPG DHTDETVAAAKERADELGIRDIVVSS IVYFEKAGRENTDQALKAAYDAFEKRS:KKHVVVAS保 DKREMIFFEKPGAGNTQTTLEAVRERAKLLEIKKVVLAT
ESKTVYFDEPGKANTDETLRAKKRADELGURGVVAS YFDYAGVKNTESTLKYAVERAK GGUSDIVVAS MDYFSEPGEHNTDAVLDLVFETAVKEGLRHVVLPS ■KKNDFYFEKPGRENTEECIEIAASSVSEGYKHVVVAT
 MALQRAKQERI RNVVIAS MIDFAQPGRENTVEVAKAAVEAARAHGIGHIVVAS FETKDTVYFSEAGAVNTEKALETAVQTAVKESVQAIVVAT MIRQVEYFEKPGKENTRRCVEIVSDLVNE GFSHVVVAT MEKKVVYFETDSADNTEDTFSLVKDALKETGIKKIVLAS MDKK VVYFDEGGSENTLETFRLVQERSSSGNI RKLVLAS MESTTTYFEE VGPAGAEETARIAVEGAKARGARHLVVAS MESKUFYFEDVGRKNTLSTLEELAKKRALELGAKKVLVABS TrREVLYFKQVGPENTEACDGD DEKAKQEGYYYLIAS MEПKTTYFENTGKENTEEVLRAARERAKEGGYKHFVVAS TKSTTYFEHSGSGNTEAVLAIVDERDKEGDIKNVVVAS


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## QUERY

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UniRef90_Q2FTV3 UniRef90-A1HNP9 UniRef90_X1K8K0
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UniRef90_U2DST1 UniRef90_UPI00046F3ACB UniRef90_C8W2C0 UniRef90_A5UKV5
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 K H L E E R GA AV V DS A T H A L S G V E R S I A K K F S G L Y P T L L I A E T K K L Q E M G V I V T T Q S H M F S G V E R A I S N R L G GASSRAD V I S D T














 A DL E S K GVVRI DK G T H A L S GLLERAI S R K L G G S S RTEAI A E A R L L K E K G H E V LT A T H A L S A GE R CLLR K K FGGGDY P L E DI A NT


 D K L E S E G V R V I K G T H V V L S G L E R A I R A K L G G S S R S E A I A E A
 K E L E G Y G F T I Y T S S H V L S G A E R G L S K Q F G GVVM P V E I I A N S








 E K I R D S G G K I V T A A H A F S GV D Q A I N N K F D TVVY P A Gil I A Q T
 T TL L $\quad$ Q N G I R V V T A A H A L S G G E R G L T K M R E A E N L G V R FL T A T H T L M G $\square$ G S A I R E K F G G L P D S E L I A H A




 K T L R E S G H EVV H F G T M M F
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40 MYF DS T GP A N T E Q T V


 Y T T R S TIVF DSPGPANTAADAACAVARAEEAGCSTIV LAS



 F E T K N $\square$ T Y F K T P G R V
$\square K R E V Y$ Y F DEP GERNT QLVLEAVSHRLEAGGDRKVVIMAS
 MRK D I I Y F E K A GP QN T D E LLL T LAAK E R A E E L G I K DVVV A T $K I V Y F E Q A G R V N T G E T L R L A K E R G E E L G I$ R HFVI A S $\square E C R \| T Y$ F S K P GP EN T E HVL R I I A K E R A N E L G I N R I L V A S

$$
\text { FKRPGPVNTDE L IK } \square \text { KK K VSS E Y G TVVVAS }
$$

 E VT YFEKGGPENTDKA $\square E \square A K K Y A D Q F G \square K D \square I L A S$
 EARCVYFEKGGPENTEAALALARERAQTLGLEHVVVAS

WA MEKEVP LI I AS



 DSGETALELGKKIDGKAKLVVISM

T T G T T A E K A LK VF NT F NVVVIT HAYYFTGKLRQEFPEDKM $\square Q G E G P M \square A Y N Q L S G L K K I I A V T F P A T Y T G T Y P P D M P E K V V$ TSGKTGARAAELFRDRRVVVVTHSTGFRRPNEEEMQPE CRR





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| UniRef90_F5YH90 | D TAALLTPGHASAI FETRIHEILCKPR |
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| UniRef90-B8GDM3 | DTVCVI RPSYTASFFDLQVREI A A M P R VR |
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| UniRef90-B9Y4F5 | DTAMVITPGYSASIL T T RIIHEILCK |
| UniRef90-B1L430 | D TALVVRASHSGGFFEFEVREI I A K P R VRK |
| UniRef90-R6TWF6 | D TVCl I T PAYSSSVLETKINEI I EK P |
| UniRef90_C7NPD0 | D TALLVVKA A S R D FFDARVLDVVAKPAD |
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| UniRef90_XOWYE9 |  |
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| UniRef90_X0Y3Y2 | D T A V V C ip THGKDFFSFEVREII CK |
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| UniRef90-X1CUV6 |  |
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| lupas 21 <br> lupas_14 |  |
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| jnet |  |
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| sol5 | B B B B B B B B B |
| sol0 | В В В B |
| jhmm |  |
| jpssm |  |


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