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 KRLAASVLKCGKGKVWLDPNELFEIA


TNDSAQKR पAADEGG $\square G E S R V W L D P D Q Q A D T A E A T T R E D$ TDLRNQRRMAASLLKCGIVNVWI DPDRSEEIAKAVTRGDI SDLKAQKRLAADELDVGKGRIWLDPEAQEEIEDAITREDV SDLANQRRLASKVLECGLDRVWLNPEASEE:ASAIVREDI
 LIDRERLASSVLRCGKKKVRLDLSETHEIANVNSRQQI SMFRPQMRLGSSVLHCGKKEVWLDPNETNGNAHANSRQRV VNDTFQRRLAAKVLNVGKNKVWMDPECSSTDASCTSSNTI TLSPQKRMAASTMKSGKSRVWMDTKSDDDIAEAVTRDDV SDLSTQKRDAAAVLKCGVNRVWLDPERLSDIEAAI SRSEI
 MNLKTQRRLASSVLKCGENAVWLDPDQLESI AEASTKEEI KVQTRLASSILQCGKRKDWMDPNEUNEIGLSDKRKTVIV VNDAKQKRDAAKVMKVGLGRVWIDPEATGDVAEADTREDI TDLSAQKRMASDVLDVGENKIWLDPERQGELADAIVRDDIV
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 $R$ S QI S DGNI KAKPKK GNSRGRI RAKNAKRAYGHCK GPGHR
 RELI E EGGL RARP DKGTSRVRARKLAEQRAKGRRRGHGSR RKLVKD GLI I K K PVAVVHSRARTRKRLEARRKGRHMG』GKR
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 $R E L I E E D A B Q A E T E S S N S R G R A R E R Q S K R S Y G H Q K G P G T R$

 $R G L I S R G L I R V I P A K G N A \quad H R W D E R K E K R L K G H R R G P G K R$ RA A I DE GIL WAEPEKGNSRGRWRELHEKKKKGRRRGQGSR RKLTK D GLI I RKPVTVV HLARRKGRHMGI GKR
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 RKLI E D GFIVVKKRPVVHSRYHANLLRERKAK GRHCGPGKV
 A RLI K EGKII I EKEK K R SNSKVKERRRKARRKGEGRRHGSR RQLVSDNVII KK LDKHNSKGRARDYQAAVAKGRHMGPGKR
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 K GR
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| UniRet90-S9WPP2 | QLYVRAKGNEFRNKRN |
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| UniRef90-B51B11 | RLAKGGTFKSRSH |
| UniRef90-J7G2SS | ELYLKSKGNAFKNKRVL |
| UniRef90_G1K | EFY $\square$ A |
| UniRef90 O26129 | LYKMAKGGAFKSK |
| UniRef90-M0RDC | SLYMKVKRNVFKNQWILMEQT |
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| UniRef90-D7DU92 | KLYRMAKGGAFRS |
| UniRef90-A3DNC5 | RLYMLAKGGTFHSL |
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| UniRef90_NOB170 | MLYRKAKGGEF |
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| UniRef90-H2C615 | MLYLKAKGGTFKNLSDVKSVLK |
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| $\begin{aligned} & \text { UniRef90_O056 } \\ & \text { UniRef90 C6A } \end{aligned}$ | KGNYFKNL |
|  |  |
| RRef90GOQF29 |  |

UniRef90 D6GWY1 UniRef90－G1TKS7 UniRef90＿Q9YF93 UniRef90－10A015 UniRef90 M7U2H1 UniRef90－A0A023ELN9 UniRef90－TOLVB2 UniRef90－B9SWV5 UniRef90 E1QQR1 UniRef90－UPIO0036CDE30 UniRef90－UPI000381F97D UniRef90 Q673R0 UniRef90－SOAQTO UniRef90－TOMUE8 UniRef90－M7ZPV2 UniRef90－L2GLW0 UniRef90－Q6Q182 UniRef90－C3MQ77 UniRef90－UPI00037C8A57 UniRef90－J9DSJ8 UniRef90－Q12ZT3 UniRef90 ${ }^{-}$W7KXC7 UniRef90－HOAC42 UniRef90－VGARPO UniRef90－F4G1P4 UniRef90－U3JCS5 UniRef90－R1E564 UniRef90－X6MIR9 UniRef90－AORUF8 UniRef90－T0YD37 UniRef90－A4YCY4 UniRef90－Мздвз1 UniRef90－TON3L7 UniRef90－UPIO003446D00 UniRef90＿UPIO003598E25 UniRef90＿U5GY11 UniRef90 E5SHV7 UniRef90－Q9HIS5 UniRef90－D2DSZ5 UniRef90＿W9RW87 UniRef90－UPIO003443C91 UniRef90－S7WBY9 UniRef90 U6KP54 UniRef90 B3TBX5 UniRef90－G1L2J6 UniRef90－AOAO31LN43 UniRef90＿Q6L1A9 UniRef90＿A5Z1P1 UniRef90－C7DIU5 UniRef90＿Q975J8 UniRef90 L9KPF8 UniRef90－M4EX11 UniRef90－KOINE6 UniRet90＿W5B6F9 UniRef90＿W5EGD2 UniRef90－S5YU61 UniRef90－A8M914 UniRef90－L7FKN7 UniRef90－Q5CF07 UniRef90－UPIO003773D4E UniRef90 W5F840 UniRef90－T1CGV0 UniRef90－AODAP8 UniRef90－UPI0002B41FD5 UniRef90 H9GSU8 UniRef90－G3IPQ2 UniRef90－M1C7Z1 UniRef90＿F1LV51 UniRef90 S9Y8Q6 UniRef90－L9KKF4 UniRef90－B1L784 UniRee90 UPI00035C2569 UniRef90－Q3LVV0 UniRef90－L8IDM2 UniRef90－W3XGC5 UniRef90－UP10003EDD25E UniRef90－K4DP84 UniRef90－K4CSN2 UniRef90－ 1 1V9B7 UniRef90 L5JZ12 UniRef90－L8H577 UniRef90－N6UW67 UniRef90 $\times 11 \mathrm{H} 11$ UniRet90－HOABN8 UniRef90＿ROH121

KLKTMRGKKKVWLDSNETNE：ASPNPCQPI mDYRFQRRLAAEILGVGESRIWIDPEDREEI EGAVTKADV SDYTLQKRLASKILGIGESRVRISDDDREDLENAITAED

MK LINTARRLAADEFKSGLSRVWVDTNSDDQVMEAASRQDT MANSRMNI KrLa MQLKLQRRLAADILGVGENRIRFDPERLEDIADAITREDV MKLRNQKRIAAQLLKVGKKHVQFDQDNLSEIKEAITKADL MMITNQKRLAAQIFSVGVHRVWVDPQKLDDVSDAVQKEDV MKMSSVKEISADELKVGISRVWIDTNNLDRVLDATSREDI VSGKLQKRLASSVLKCGKGKVWLDPNEVNEISMANSRENF RMARRVLKCGRNKLWIDPNEKERVTAAQNYEHV
 DLALQKRLAADMKGVGIKRVKIPPEYVDEVTEALTREDV RRLAADVLDCGKNKVWLDPEETLDFKACTSRDKV TDLTNQKRAAKVLGCGVHRVWLNPEASSDIAVADTREDI DLYLQRRLAAD\｜ANVGLNNVKFLPEYGDEVRDALTREDV VNGKAKKRLVSRVVGVGLARTKFDPESSDDVADAVCRON



KRTVADTKGVGTSRVYワDTNKVDRVMEAATRQDV SSGKVQKRLASEVLKCGKKKVWLDPNEUGEIGQANSRQNI
 MANSRFSV VNTKIKKQLASRVFKVGVNRVHFDSDHपDDVADATRENI LRLQKRLASGVLCCGKKKVWL PREANELANAHARQRI DLKLQRRLAAKIGKVGENNVKIPQEHADEVSEALTRSDV

 LQRRLAAELTNVGENNVKFNTNYLDD：ASAITRDEL VSLKDQKRLAASVMKCGKGKVWLDPNESSDISMANSR VNIAKKRELVARILGVGANRVRFEPDRLEDVADSDTRENT MANSRQNV VNLRSQKRDAAAVSGVGKRK WWDDPAEQAEDGNANSRAHV RETVARLLNVPKSRUVIJGEALEQLEEADTRNDV MDT TSTANSRQST
 MS TK LTKRTAATLLGRGTTSVRTKPDADEDAKKADTREDV VNLRLQKRLASTQLKVGUNRVWLDPNEASEDSLANSRMSII M S SMLRVQKRDASSVLRFGKKKVSDDPNETNEMANANSHQQ ANAKSFQQ SmLRLQKRLASSVLCCGKKKVWLDPNETNETANANSHQQi SMLRLQKRLASSVLRCGKKKGWLDPKETTEIANANSRQQU MDLEYQKKLAAKVAGVGLDRVR NPEKDDLVSEAVTRADV
 SMLRLQERLASRVLFCGKKKVWLDPSETNE乌ANANSHQQM

$$
\text { PSETNE } \square \text { TRA HQQ } \square
$$

 MPTPCQQI
 MNDSKKKELAKRTFNVGEDRTIFVESRGKDTKEATTKQDM $V G X N R V R \square D P E M Q D K V S E A 乌 T R Q D \square$

UniRef90_D6GWY1 UniRef90_G1TKS7
UniRef90_Q9YF93 UniRef90-10A015 UniRef90-M7U2H1 UniRef90-A0A023ELN9 UniRef90-TOLVB2 UniRef90-B9SWV5 UniRef90-E1QQR1 UniRef90_UPI00036CDE30 UniRef90_UPI000381F97D UniRef90_Q673R0 UniRef90-SOAQT0 UniRef90-TOMUE8 UniRef90-M7ZPV2 UniRef90-L2GLW0 UniRef90-Q6Q182 UniRef90_C3MQ77
UniRef90_UPI00037C8A57 UniRef90-J9DSJ8 UniRef90_Q12ZT3 UniRef90-W7KXC7 UniRef90-HOAC42 UniRef90-V6ARP0
UniRef90 F4G1P4 UniRef90-U3JCS5 UniRef90-R1E564 UniRef90-X6MIR9 UniRef90-A0RUF8 UniRef90-TOYD37 UniRef90-A4YCY4 UniRef90-M3ZB31
UniRef90_TON3L7 UniRef90_UPI0003446D00 UniRef90_UPI0003598E25 UniRef90_U5GY11 UniRef90-E5SHV7 UniRef90_Q9HIS5 UniRef90-D2DSZ5 UniRef90-W9RW87 UniRef90_UPIO003443C91 UniRef90-S7WBY9 UniRef90_U6KP54 UniRef90 B3TBX5 UniRef90_G1L2J6 UniRef90_A0A031LN43 UniRef90_Q6L1A9 UniRef90_A5Z1P1 UniRef90_C7DIU5 UniRef90_L9KPF8 UniRef90-M4EX11 UniRef90_KOINE6 UniRef90-W5B6F9 UniRef90_W5EGD2 UniRef90_S5YU61 UniRef90_A8M914 UniRef90_L7FKN7 UniRef90-Q5CF07 UniRef90_UPIO003773D4E UniRef90-W5F840 UniRef90-T1CGV0 UniRef90-AODAP8 UniRef90_UPI0002B41FD5 UniRef90-H9GSU8 UniRef90-G3IPQ2 UniRef90-M1C7Z1 UniRef90_F1LV51 UniRef90_S9Y8Q6 UniRef90_L9KKF4 UniRef90_UPI00035C2569 UniRef90_Q3LVV0 UniRef90-L8IDM2 UniRef90-W3XGC5 UniRef90-UPI0003EDD25E UniRef90-K4DP84 UniRef90-K4CSN2 UniRef90-X1V9B7 UniRef90-L5JZI2 UniRef90_L8H577 UniRef90-N6UW67 UniRef90_X11H11 UniRef90_HOABN8
UniRef90_ROH121

 K KLI K R GVI TEEPEKSNSRGRWRELKEKRSKGQRRGPGKR RKLIKE GAlIKAMPENSQSRGRARTQSAKRKAGRRRGHGNR
 RDLIRRNVIQVKQKKGNSNARDKKRVVQRSKERRRGPGSD RALI KEGLI YAEYAKGVSRGRWREDHEKRRKGRRRGVGSR RALI EEGAI YAAPVRGQTRNRVKEKRV
RSLVGQGVIKLKQYQSQSHSRVKKTAEQKKKGRRKGQGSR RRLI DEGVIKARPFVGTSRSRARKAAAQKAKGRRSGQGSR KKLI GLNII QRRDKKNHSNQRLKKRINQLTKGRRRGPGSV
 KQLVEDNNI IRRRDKVNSRAHARKLAEGRAKGRRMGLGKR
RNLIKDGK RKLIKDGKI R E K K ARGIS GLKERRRNRRLKGEGRKEGSR
 RKLI ASGSIVAEAVKGVSRGRARARDAKRRYGHRKGHGSR RNLI EGGAI SKKDEKGTSKARAKHNKKQKAKGDRKGHGNR

 LDLI DKGUIRVKQVKGQSRTWANYDKEQKKKGRRRGAGSR RKLVRDGFI IKKPRKDHSHYRARRRADEKAKGRHDGLGKR RSSLITTANTIK KK PVSGTSRGRAQHKRRQKAK RGSKA GSK K SRLI RRHVVI QEKPKKGNSNARHKKRVVQRSKDRRRGEGSV RNLMEKHVIQAKPKKGNSNARFKKRLKQLSKERRRGPGSVV WRLIKDGLI RKLIKDGLI K S L RK DGY। QKLVKDGL $\square A L M K Q D V I$
$R K L I K D G L I$
$R$ RKKLVKDGFI

I QKTFTDHSHTH
 RKLIKDGLIVRKAQKIHSRYHANKLMREKEKGRHSGPGKV RKLIRDNNLI IRKAVAVHSKYRFRLYQQAKRQGRHMGDGKR
 WALIKDGLVIRKPVTVPAPGARKILWPTRRK
$R K L I R E G K L I D E H G H R V S R G R F K E R S K K M K K S E R K G E G S R$ $R K L I D L H D I Q K K Q K K G N S N Y R D K K R D E Q L A K G R R R G E G S V$ RKLVKD GFI DRKPTK $\quad$ KHSRSRARRMKEAKRKGRHS GYGKR RELI K S GKVVYALNEKHNLSAYGKETRKKRLEGRKR GPGRK
 RKLTEDGLI IVRKPVTVHSQAQRWKNTLARRKGRDMGTGKR
$R S L V K S G A D W T V Q P A G T S R G R A M E K R S V W \quad K V H G K G P G S K$ RKPVKDGDTIRKPQKDHYRFHARRAHEAKQKGHHSGYGKH RKLVK DGFVIKKPQKVHSRFRANAYADAKRKGRHTGHGKR
 RSLLMKE GLI EVVKPRKRNSRGRWRDTHEKRKSGRRRGRGSR
 $R K L I E D G G I D K I K P K K G D S K G R Y R E R L K Q K R K G L R K G Q G S R$ QKLVK G GFI IRKPQK』HSRCRARRAHEAKQKGRHS GYGKR RALIK S GRVYALKEKNNLSVYSKVLKEKRDKGRRRGKGKK $R K L I K B D G I D A R A R R F L E R Q R V R E E V Q E R Q E C Q L K F F G S$


 PKLI K DGLII IQKQI LMEHDHKLKADKDLRKLLADQAKAHR RKLI K GNVVFKNKRLLDMENLHKLLKADKA HKKLLAADQA EARR


 $M H S R S R A R E L D L A R R D G R H R G F G K R$ QK L DK D GLI DRKP VT VRSRARCRKNPLARQKGDET

MKEAKSMGRHEGAGRR
$R D L R T E G A \square M \square K G \square K G$ $R K K N \square K R K T R R S T G N \square R K$ QKLI K D G L I M Q K P V TVMH S NL
$R T L I E A G V V Q K K M D R D E K L K R R D K M R M A R R$
K G $\square S N V R V K K L K E Q K K K G R R R G P G S R$
R D LK H D K A I I I K E K K G R $R K V I R K G K G R S K G N \square$ $R N L I E G G A D S K K D E K G T S K A R A K H N K N R K P K A S E K V T E T G$ PMNFHLRSRARRKYHQ

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UniRef90_A0A023ELN9 UniRef90-TOLVB2 UniRef90-B9SWV5 UniRef90-E1QQR1 UniRef90_UPI00036CDE30 UniRef90-UPI000381F97D UniRef90_Q673R0 UniRef90-SOAQT0
UniRef90-TOMUE8
UniRef90-M7ZPV2 UniRef90-L2GLW0 UniRef90-Q6Q182 UniRef90-C3MQ77
 R GVAT A EQPMLKCQMRRMQQLQQPLRRYCEFNKFDSHVPH K GVATARLDPKERWMHRDRKIRRYLRYLRDKQVIDRKTYR K GVASARIDPKRRWDSSI RKMRRYLKYLRDKKI I TTQQYR K GPKFAVVSRKERWMNRIRSQRKRLKRLRERHVIADSTYR $K G T A N A R M P Q K L L W M N R M R V L R R L L K K Y R E A X X X X R H L Y H$ KGTKYARFPRKDRWDKT\RALRDELRRTMKKDNR\DAKTFR KGTREARDPSKQKWMGKLRVLRRLLKKYREVDKI DRHMYH RGSKYARLDPKEAWVNKVRALRRYLNSLKRRGLI DAKTWR
 KGSANARNPRKSRWMRTI RAQRKELKGMREDDSISSSEYR RGTKYARYPRKRRWDTTI RARLRDELKTGKEKESIIDKTTYR RGTKYARFPRKARWIKTIRPLRDELRTLKTSGRIDPKVYR RGTREARIDPTK L LWMRRMRVLRRLLRKYREAKKIDKHM KGTKKARLSPKKIWMKNDRSMRATLKEDKKKGDLVGEEYR EGTANARMSEKLTWMRRMRGLHRLLKRYRESKKI DRRMYH
 HGPKTCDDPPKKKWI ARRIREMRATLERMREECYI TPTEHR
 K GGKNARSNERDMWVVRI RKMREYLRELRDNGTI DSSTYR KGSKNARKGSKGKWMEKI RADRTRLKEMRDEEEVTDEEYR



 RGTRNARFPRKERWI KTI RALRNELTLLKEAKRIDAKTYR KGRKGARTGKKEEWIVKIRKI RRYLQWLRDHEII DTRTYR
 RGTRNARFPRKRRWDKT $\square R A L R D E L R T L K S E N K I D A K T Y R$ CGDPSPTAPGEPSLSLGQRQEP LAGRAGQDXCSDPR Y G KGSADARMPTKVLWMRRQRVLRRMLRKYREDGKINKHLYH RGTANARMPSKVLWDRRDRVLRRLLRKYREAKKI DKHLYR RGTKYARYPRKDRWIDTIRALRDELRTLKSEGKITKETYR K GT
KGTREARDPTK L LWMRRMRVLRR LLRKYRESKK DDRHMYH KGTANARMPEKVTWMRRMRILRRLLRRYRESKKI DRHMYH KGSKNARMPEKDKWDKRDRDLRNTLKEDRDKGEI TKTEHK KGTRDARLPAKVLWMRRQRVLRRLLKKYRDAKKI DSHMYH KGRKGARIGKKEVYVIKVRSLRYRLKDAKDRKEI TNKEFW EGTAHAGMPEKEDENS
 K G
KGTKKTRAAGVEYKKK\RAQRRDIKDLKEKGVIDNSMFK KGPAGARRGKKEQWVLKIRK IDTYLK WLLRDNDVIDKKTYR K GTTVLEMPEKVTRMRRTW
K GTREARFPTKVLWMRRMRVLRRGLEKYRESKKDYKHMYH KGKKTARVGKKEVYVIKVRSMRYHLKVLKERKDITNEDYW MGTREARLPTKIMSMKRMRILRPLLRKYREAKKI DTHMYH KGAKEARMPVKVLWDRRMRVLRRLLKKYREAKKIDKHLYH K G
RGTRKARGAVKEVWVPR $\square R R \square R R F D N T \square K H R G V \square D K A T W R$ KGTKNARTPQKSLWVFRMRVLRRLLAKYRAMGKIDKHVYH RGTKDARRPEKVLWMRRQRVLRRLL RKYRESGKI NKTMYK
 SGTREARLRTKDLWMRRMCVLRRLLRKYREAKKI DKHMFH KGTKKAR GMVTYQKKVRAQRRLLAELKKEKA DNNEMYK
RGTKEARDPTK LLWMRRMRVLRRLLRKYRDYEK DDRHDYH KGTANAPMPEKVTWMRRMRILRRLLHFYRESKKIDRHMYY E G
K GTREAR LPTKVLWMRRMRVLRRLLRKYRESKKTDKHMYH KGTANARIPEKG MRRDKIVRRLLRRYQESKKIDHHMYH SKTTEAWKHHEKRLQAKK
SKTKEARKRREERLRAKK
KGGKYSK\PRKRRW\RK\RALRREDRRMKEQGLIDSKEYR S $\square K G K R \square K \square K K K E Y V \square R V R S L R A F A R K D Y D K K L I D A K T Y R$ KGTKNARKKYK ILWIHKIRNQRKLLKMFRNKKQFLN YK SKTKEARK
K G T A DARMPE QVLWMRRLRVLRRLLVKYRASGK DDKHLYH
EGTREARMPSKEDWMRRDR LRRRLLRKYREEKKDDNRMSH KGTREVRDPSKVLRMRRLRVLRRLHRKYSESKKIDKHMYP $K$ VKK

$$
\text { NARKTPRPTGRAG } \square W A Q \quad K \square D C H M Y H
$$

RGAKGARTPQKERWMAT $\square R A L R K T L K H L R D E G K I D T K T Y R$ RKKMKKRKK D Y V I LT R K L R K Y V L E MK N Q GKI S K E E V D K EARTQEKARKE
SKSAMEAMPRKMKYMRRGKMLKRLLKRYQDEKMYDKHVYH

|  | 30 |
| :---: | :---: |
| UniRef90_D6GWY1 | E L Y R K $\quad$ K G N T F H S V N H M R N Y $\\|$ I E |
| UniRef90_G1TKS7 | $\square$ Y Y L K V K G NVFK K K W L M E N N H |
| UniRef90_Q9YF93 | RLY M L A K G G T F R DLA SLK K Y M |
| UniRef90_IOA0I5 |  |
| UniRef90_M7U2H1 | NLYRKAK G GEFR SVA ELLERYI |
| UniRef90-A0A023ELN9 | DLYMRAK G NVFKNKR\\|LMEHI |
| UniRef90-T0LVB2 | K F Y VQVKGGNDHSRAQLVQHMKS |
| UniRef90_B9SWV5 | Y M Y I KVKK G A F R NKRVL MES 1 H |
| UniRef90-E1QQR1 | ELY L Q V K G GRFDSVS S L R A Y L DS |
| UniRef90_UPI00036CDE30 | K L Y L Q V K A GRFK S I A DI R N |
| UniRef90_UPI000381F97D | EMRLGVVK G GFFRTRKHIS L M L K |
| UniRef90_Q673R0 | Y Y Y RKAK G G S Y R S $\square$ A H MRSNME |
| UniRef90_S0AQT0 | K Y Y R T 1 K S G SFS S RA QLVSHLK T |
| UniRef90_T0MUE8 | K Y Y RVI K G G SVR S R A Q L R T Q L K A |
| UniRef90-M7ZPV2 | Y LKVK G NMFKNKLVLMESI |
| UniRef90_L2GLW0 | MYYVQAK G NLFKNKNVMLDA |
| UniRef90_Q6Q182 | S LDLKVK G NVFK N K W S L V D H I H |
| UniRef90_C3MQ77 | E L Y L K A K G G N Y K GVS DVR N |
| UniRef90_UPI00037C8A57 | K L Y L E S K A GVF K S L R DVK |
| UniRef90_J9DSJ8 | KL Y M Q A K G NLFK N NKVLIDEY I E |
| UniRef90_Q12ZT3 | KAYRKAKGGEYKNLAHMETHLN |
| UniRef90_W7KXC7 | LFY R K A K G G T F K S L A DLR L |
| UniRef90_H0AC42 | KLYDMSK G GFFRDVKHLEN |
| UniRef90_V6ARP0 | NLYR K V G G N TVR NI A HL R T L ID |
| UniRef90_F4G1P4 | MLYMK SK G G T F K S L S DV K |
| UniRef90_U3JCS5 | S L Y L K VK G NVF K N K R IL MEH\H |
| UniRef90_R1E564 | D L YKRAKS NEFKS K R AI L DYL K |
| UniRef90_X6MIR9 | R L Y LKAK G NAFKNRANLIEELS H |
| UniRef90_A0RUF8 | A L Y K K VGG NTVRNKA H L |
| UniRef90_TOYD37 |  |
| UniRef90_A4YCY4 | T L Y I K A K G G T F K N L N DVK T L L K |
| UniRef90-M3ZB31 | SLYYLKVK G NVFKNKQDLMEHIH |
| UniRef90_T0N3L7 | $K Y Y R 1 \vee K G G T I L K S R A Q L R S Q I I$ |
| UniRef90_UPI0003446D00 | S LY L KVK E NVFK N K LI F M K H I H |
| UniRef90_UPI0003598E25 | S L Y L K V K G NVFK N K R L L M E H I H |
| UniRef90_U5GY11 | E L Y L K A K G NVF K N K R V L M D HI H |
| UniRef90_E5SHV7 | D L Y L K A K G N TFKNKRVLMEY I |
| UniRef90_Q9HIS5 | K Y Y R F $\square$ K S G S $\square$ R S R S QLL |
| UniRef90_D2DSZ5 |  |
| UniRef90_W9RW87 | D MYMKVK G NVF K N K R V L M E S $\quad$ H |
| UniRef90_UPI0003443C91 | S L Y L K V K G NVF K N K Rll L M E HIIH |
| UniRef90_S7WBY9 | MYYQK TK G N GYK NSAALMMAI K |
| UniRef90_U6KP54 |  |
| UniRef90_B3TBX5 | ALYKK Y K G N T VR N $\square$ A HL R T LI D |
| UniRef90_G1L2J6 | SLHPKAKD Y VFANEW L V VEHI |
| UniRef90_A0A031LN43 | Q MYKKSKGGAYNNLNEVRAQL |
| UniRef90_Q6L1A9 | RYYR\ I K S G S F V R R A L R N H I Q A |
| UniRef90_A5Z1P1 |  |
| UniRef90_C7DIU5 | QF Y R L VK G G T F Q T K V S L I N H T |
| UniRef90_Q975J8 | LA Y R K A K G N S F R N L S DVKN Y L K |
| UniRef90_L9KPF8 |  |
| UniRef90-M4EX11 | D M Y M R VK G NVFK N K R VLM ES $\quad$ VH |
| UniRef90_KOINE6 | $Q L Y K K V N G G Q V R S L A H L R E L V K$ |
| UniRef90_W5B6F9 | D MY LKV |
| UniRef90_W5EGD2 | QLY L K S K G N E F K N K |
| UniRef90_S5YU61 |  |
| UniRef90_A8M914 | NLY R M A K G G Y F E S LA HLR T Y M |
| UniRef90_L7FKN7 | D FYMMVK G N Q F K N K K L A E A I |
| UniRef90-Q5CF07 | QFY LK SK G N Q Y K N K R VL $\quad$ EA I H |
| UniRef90_UPI0003773D4E |  |
| UniRef90_W5F840 | D M Y LKVK |
| UniRef90_T1CGV0 | K F Y A LVKGG S F Q T K M T L I N $\square$ K S |
| UniRef90 A0DAP8 |  |
| UniRef90_UPI0002B41FD5 | Q M Y IR VK G NVY K N K R V L M E S $\quad \mathrm{H}$ |
| UniRef90_H9GSU8 | $S$ L Y L K V K G NVF K N K Q I L M E H I H |
| UniRef90_G3IPQ2 |  |
| UniRef90_M1C7Z1 | D M Y M K VK |
| UniRef90-F1LV51 | $S \mathrm{~L}$ S LKVKK G N K T K R $\square$ L I K Q $\square \mathrm{H}$ |
| UniRef90_S9Y8Q6 |  |
| UniRef90 L9KKF4 |  |
| UniRef90_B1L784 | ELY AKLSS F S SVS QLR A HV |
| UniRef90_UPI00035C2569 | TI R N Y IK A GVIDD S K K I K S Fil |
| UniRef90_Q3LVV0 |  |
| UniRef90_L8IDM2 |  |
| UniRef90-W3XGC5 | ELY H S S K G N A F K H K R A L VEH I H |
| UniRef90_UPI0003EDD25E | S L Y LK G K G Y VF T N K R IL VE HI H |
| UniRef90_K4DP84 | ELYYVKAK G NVFRNKRNLMEHIHH |
| UniRef90-K4CSN2 | D M Y M K VKGNVFKNKRVLME |
| UniRef90-X1V9B7 | E $\$ R K K I R N R L F K S K A HL K E Y I  \hline UniRef90_L5JZI2 &   \hline UniRef90_L8H577 &  \hline UniRef90-N6UW67 & KLYRMAKGGAFRSRA HLFLYM MK  \hline UniRef90-X1IH11 & D I R K K $\square$ R N K $\square$ F R S K S HLK E Y |
| UniRef90_H0ABN8 |  |

DMFMK VK G
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