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$L$ S V









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| UniRef90-H6LG83 | L E G Q L R K K T K L |
| UniRef90-W7CKP8 | L ERQL R K H K T K I |
| UniRef90_I0R9G5 | I E R Q I K K F K N K L |
| UniRef90-F2NQS5 | L E K Q L K R K G R L |
| UniRef90_UPI00034DBDCA | L D R Q V VRHKDRV |
| UniRef90-A4BQM2 | L DRQVVKHKE |
| UniRef90-I3BR36 | L DRQIVKHKEK L |
| UniRef90_UPI0002EE5839 | L DRLLVIKHKEK |
| UniRef90-Q2JS19 | L A R KL R K Y K ER |
| UniRef90-A0A023NVR4 | L VTQLRKHREKV |
| UniRef90_D3A1K0 | L D R AVLK H K K |
| UniRef90-N0E4W2 | L M ERLRRQND |
| UniRef90-E4KZI9 | L A R Qi R K H K R L |
| UniRef90_UPI00041209D5 | 1 A RQL RKYKEK |
| UniRef90_E6PVL6 | LD R QVVEHKNR |
| UniRef90-R7C8U8 |  |
| UniRef90_C1D970 | $1 \mathrm{D} R \mathrm{Q}$ V L |
| UniRef90_U2J0L8 | L E A Q I R K H K G K |
| UniRef90_S0G6K2 | $V$ RAQIKKKHKEK |
| UniRef90_UPI00047039BD | I D GQVRRKHKDK |
| UniRef90-H5X8Y2 | L ENRMRRMHDR |
| UniRef90_UPI00037FEC97 | I A R Q L R K Y K E R |
| UniRef90_D5WUY6 | L V S QAERHKSKI |
| UniRef90-K1DVC8 | L L E R L R R A H D K |
| UniRef90-T4W5T1 | L N T Q L R K Y K K R V |
| UniRef90-L0MBB2 | L ERQL NKVQHK |
| UniRef90-UPI00037F31FB | I EKRLRRYKRKLL |
| UniRef90-K9SUQ2 | I A R KL R K F K E R |
| UniRef90-R7A9G3 | $V \mathrm{~T}$ R Q L R K F K T K V |
| UniRef90_R5R017 | L E GQ I R K Y K T R L |
| UniRef90-E0NJH7 | L S R QVRK Y K T R L |
| UniRef90_U5NA25 | L D R Q V VR H K R il |
| UniRef90-E3PUJ2 | L G R Q I R K H K T K L |
| UniRef90_V7IBM2 | L D R AVLK HKEK |
| UniRef90-UPI00047CA7BA | L E S R MRRDAER |
| UniRef90-R6M117 | L E R Q ${ }^{\text {R K K N T R L }}$ |
| UniRef90-R5X346 | L NKQLRRYKNKL |
| UniRef90 ${ }^{-}$R5NBM7 | L E G Q I R K S K T K |
| UniRef90_UPI00035E97FE | L A ERLRRAA D R |
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| UniRef90-W5WSW4 | L E T R L R K M H R |
| UniRef90_A2SC99 | L D R Q V C H K K KV |
| UniRef90_UPI00040DCD27 | L C G QVQK Y K S R L |
| UniRef90_UPI00036E8E0F | L N R Q L K R Y R S K I |
| UniRef90_R9LYW8 | L FRQIVKNKNKL |
| UniRef90-R6HXL4 | LVRQI R K N T K L |
| UniRef90-E8XLZ5 | L ERQL NKAQHK |
| UniRef90-X0QLB2 | L D R QV R K Y K T K L |
| UniRef90_UPI000377DB7C | L EARLRKAAD |
| UniRef90-E1YCY9 | LE $\square$ Q ${ }^{\text {l }}$ K K N K Q K |
| UniRef90_UPI000288C0F7 |  |
| UniRef90-A8TSN7 | IE K Q L R R Y K R R L |
| UniRef90-M1VG93 | L K R T L R K Y K ERLL |
| UniRef90-D0IX84 | L D R VVMRYK T R |
| UniRef90_UPI0003B709EC | ERKFRQA A D |

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UniRef90 U1WQF7 UniRef90-U1WQF7
UniRef90-R5EUN5 UniRef90-R5IQ11 UniRet90-B6WRA4 UniRef90-R5ACV1
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UniRef90-DOWG70 UniRef90-DOWG70
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UniRef90- X2H2U2

1
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20
30
MrLVI HGKNID\|ITDGПRSY|LNQK\|ERATSHFQNIINEVIDV|H MNVNIVGRKVTLKDNFKERVNKKLGKFERDFSEEANVTVT MNLKMIGKNISTITAMEEVLTEKLSKLDKFFDTDVEARVA MNI S SGHHI TITDAMKDMVMDKLSKVERHFDQDQSDQV MKFSIQGKNVNVTSAVRDH1 EKKMHHI EHFQGMTSKVDVN MQYNTRGENIEVTPALRDYVEKKDGRLERYFENTESCNVT MQDNDHGVGVKLTDSLKDYVNDKFKRLERKGDUDTSDSVT MRFQYTEKKVTLPENVHKYAEKKVMKLERFFGTDADALVTV MKITVVGRKVNLRNNFKELAERKLSKFDRDFDEDAEATVT MDIVVKGRNVEVPDHYREHVADKLAK DERYDQKLIRVDVE
 MEIVICGRNVEVPEHFRDHTTEKLARLGRYDHKVIRMSVE EVQVSGRNVEIPNHFRDHVMDKLSRVERFDPRIFRFDVE
 MNVKLIGRNLEITDAIREYVERKLSRLDRYQNGELMAKVV MKFTFTEKKMDASADLRAYAERKVGKLDRLEKTESNAYLT MRFNDGRQLPVTEALRDYEKKLSRLDKYFEAPSDAQVT MK ITGKNLETGAKEYTOAK GKLEKHYKDDKEADI MNLTISGHHLEVTPATREYVQNKLERIIRHFDQVDDTHVF MELIIRGKNLPVTDALRQY IAKRLGKIERYDDGVDEDQVN MKLL HGRNLELTPSLRDYTKTK DKATHNFEMVQEADVH MR】QI RGANFVVTEA:KNYIEDKVGSLQRFLPNNQDARVY
 MQTVI QGKNVDITNAI NDYAHQKINKAVHHFEGLTKDDIT MNVSYGKNVDVTEALKEYARRKVGKVARYFTGPDQAQVT MEITLKARNAEI HPNFREYVEEKIAKVEQLAPRTQRVDVE MNFNIRGENLEVTPALRSYVEKKVAKLEKYFETDSDVHVS MRYQUSGKQUDVGEALQSHVKAELEAGVKYAGRPTDAVVIT MRVTISGHHVEVTDGLREHISKKLRRVQRHCDTIDHIEFV MKFEIVGKNVSITEAMRQKIERKLSFLDKYGDPETRARVV
 MD TVVTGRRMNVSDALRDYAEEKAGNSMKAMDAPLSAEVV MTLRVSGKNLDI GEALRSQVQDRVGALSKYFDGGYSGHVT MKFVFTDKKVTLPDAVHKYAEKKVGKLDRFFKEDATAAIT NDEMVGKNIELTPAIKQYVEEKIGRVYRYFDR】LKVKVV MEFLIRGEKI KVTDSIKNYIEEKLGRLNKYFDAPDSIKAT MKFNI RGENI EVTQALKEYVEKKVAKLQRYFNETPDVHVN MQ INI QGVGIKITEALNDFVIDKFKKLERKADLINSITVT MKYTI RGQKVKVTNDLKEHAEKKLSKLDKYFSEGEDATVV
 MRIIISGKNIPITDALRADVDKKLGKFDRYFDEDTEVRVV MRYEVSGKHIDVGEALQTHVKTELGSMEKYGQRPTDATVI $M E V V T G R N T E V T G R F R G H T E E K L A K D E Q F A P H T Q R V E V E ~$
$M K I V F V G R H M S V P E D M K F L T E K K L S E D R Y A A E P D A T V T$ K FSTGENTEVTEATRDYVESKMTKDEKYFDQEDDARVN
 MDIVVTGRQLTVSDSFRAHVEDK|AKVEQLAPRAQRVEVA MK TTYTARKVNLRDNFKERCEKKLSKFNRIFSEDASVNVV MDIIVKGRRTDISEKFRQHVENKLNKLSKWEKKGMTIDVE MKYEVTGKNFVPTPA TKDYAEKRLQKVVDFFDVITVARVT MRYNIDGKNDDVWDKTKEMVEKKLDR1 EKLFPEDTNATVT
 MKI IVTGKNIAASEKDQDALDKKFEKLGKYFADDIQAKVI MKI TCTGRKVNLKDAFMQRVETKLAKLDKFFSDSAEANVT MD VIKGRHTSVPERFRNHVTEKLAKLDKVAHKVDRVDVE MDVVVKGHHCEVSDRFROYVEEKLARIEKVDHRVDRCEVE MDVIVTGNNVEVTEPLKEYVEKKMAKLDKVGSSVSKVDVH MKFVFTDKKVHIPDRVHAYAEKKVSKLDRFFKGEAEASLV HVEITGRNVEVPEHFQERVNAKLAKI ERLDTTLTSFHVE MRYQISGKQIDIGEALQTHVRTEMDALSKYAGRPTEAYVV MEVVVTARNCE:TDRYRAHVSEKDTRLEKHDHRDIRVHVE MALRVSGKNI DVGEALRARLKEKVGKLANHYDQGTGUDVV MKLLI QGNDITVTDSIHDYVQQKLEKAVRHYQSITKVDVH MQUKVSALQMKMTDGUKGYEEKLSKFEKYLSPESEVKVK MKFNIRGENLEVTESISSYVEKKISKLERYFEKPPDVYVN
 MKYKI RGVNDELLEALKDYVDKKDSKLDKYFEAPSEASVT MTVTVSGRKMPVTDALRQYAEEKVGNADKAVDDTVSTE:V MRYQLTGKQUDVGEALQTHVKNELGTLEKYAFRPTDATVTV MNLKITGLHLDVTEAMKTRITEKGQRINRHSDNILSVAVT MHVIVKGKQVDVGAALTEYVEATLERVSKYFDNAVDATVT MDIVVKGRRTGVSEKFRQHVENKLDRLSKWERKGMSVDVE MKLNYVTKDIKLTDDLKQMAESKLHKLDKYFHDEQQARVV



| UniRef90_Q8DKM6 | $\text { II ARKLRK } \square \mathrm{K}^{90} \mathrm{~K}$ |
| :---: | :---: |
| UniRef90-R6RRP5 | L G G Q i R K NKAKL |
| UniRef90_D6GT75 | L A R Q L R K Y K E K L |
| UniRef90_UPI0003669505 | L D R Q IR K Y K T R |
| UniRef90-A1HT12 |  |
| UniRef90-U5DPY8 | $\square S R Q L$ R K Y K E R |
| UniRef90_U1WQF7 |  |
| UniRef90-R5EUN5 | V D G Q L VK Y K E K L |
| UniRef90_R5IQ11 | 1 ERQI RKNKTRLL |
| UniRef90-B6WRA4 | V E A Q I K K HVSRVV |
| UniRef90-R5ACV1 | L G R Q IR R N K T R L |
| UniRef90_U5VUW7 | L D |
| UniRef90_D8F9C1 | V E N Q VK K H L D K |
| UniRef90_UPI0003666087 | L E ERMRRSHDR |
| UniRef90-A0A033V0C2 | L E R Q VRKYK T K V |
| UniRef90_UPI000382AE55 | L E S R L R R T K D R |
| UniRef90_UPI0003672B55 | ADRMVLKHKTK |
| UniRef90-D3PML2 | LE Y Q L K R Y K ER |
| UniRef90_E8PLX9 | L E T QL K R F K ER |
| UniRef90-R5CSZ8 | IE R Q I R K N K T R L |
| UniRef90-L0EB90 |  |
| UniRef90-R7N2F6 |  |
| UniRef90-Q31CD8 | LCRKLRKYKE |
| UniRef90-K9DHE9 | LD R Q 1 L K H K Q M L |
| UniRef90_Q2RLX7 |  |
| UniRef90_A2C0K6 | LA R Q L R K Y K E R |
| UniRef90_D4W5H3 | L ERQI R R N K K |
| UniRef90-E3CI69 | IE R Q I R K N K K |
| UniRef90 M1ZLB5 |  |
| UniRef90-K9FAA7 | $\square$ T R Q L K K Y K E K |
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| UniRef90_UPI00047B6713 |  |
| UniRef90-A0A059IL59 | M E K Q L R R Y K R L |
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| UniRef90_B9Y7S1 | L E D Q VRRQK T R L |
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| UniRef90_F9EIJ4 | LTERLR R A R D R |
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| UniRef90_V2Y7B4 | L ERQIRRKNK T RLL |
| UniRef90-K0IWF0 |  |
| UniRef90-UPI00035E4A4C | LESNDKRFKEKL |
| UniRef90_R6AM01 | LERQLRKNK T R L |
| UniRef90_UPI000414AF7F |  |
| UniRef90_E8LLP7 | VD R Q V V Y K E K V |
| UniRef90-R5JDI9 | L ERQI RKNK T RM |
| UniRef90-D7A2W8 | $\square E T$ RL R R Y K S R $\square$ |
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| UniRef90-A3TWE2 | M D K Q L R Y K R R L |
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| UniRef90_R7EMP8 | I D R Q I R R NKTRL |
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| UniRef90-K9APK4 | LVERLLR A R D R |
| UniRef90_UPI0003B51F00 | L ERQARKYKTRV |
| UniRef90_D4L8P6 | L M R Q |
| UniRef90-UPI000346519C | I E S R L R K L A D R |
| UniRef90-U4KKE2 | L LA QI R K H K T K L |
| UniRef90-R6R6C5 | L E N Q V VR Y K K R M |
| UniRef90_U5EJY8 | I ESRLRRTK D K |
| UniRef90_W9GEQ5 | L L ERLRRSNDK |
| UniRef90_R6E3S5 | L L K Q L T K Y K G K L |
| UniRef90_G9RSV4 | LTRRIVKNRKRLL |
| UniRef90_UPI00047D578B | LYARLRKAADR |
| UniRef90-F2JZ65 | LVRQVEKHKTK L |
| UniRef90-D2PMI3 | L R A QVRKA A D R |
| UniRef90-D8LG85 | I QRKLRRFKER |
| UniRef90_UPI00047B12C7 | IE R Q L R K NKARLL |
| UniRef90_UPI0002192F88 | MERSLR K V K A R |
| UniRef90_A3V287 | MDKQLRRYKRRL |
| UniRef90_UPI00037E4C84 | MAS QMRKAADR |
| UniRef90_R5SDZ6 | L S R Q V K K F K D K |
| UniRef90-A7IGY6 | I EKRLRRYKQRL |
| UniRef90_L8M2S3 | I A RQL RKYKEK |
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| UniRef90-W4EHJ7 |  |
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| UniRef90_S6CL73 | V A R Q L R K Y K T R V |
| UniRef90-Q0FQJ8 | V D K Q L R R Y K R R L |
| UniRef90- D5BUX9 |  |
| UniRef90-F5S4Y8 | LDRA 1 LQ HKE |
| UniRef90_UPI00047299A3 | I D K Q L RRYKRRL |
| UniRef90_UPI00034A6EEF | I E A R L R K S A R |
| UniRef90-B0S0M8 | L A R QVRKHKTKL |
| UniRef90-W2BZV5 | $L S R Q M S K F K G K L L$ |
| UniRef90-W8U3Y2 |  |
| UniRef90- ${ }^{\text {- } 2 \mathrm{H} 2 \mathrm{~J} 7}$ | LE K Q L N K 】 Q H K |

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UniRef90 G7Q483 UniRef90-UPIO0035CB1A1 UniRef90-UP100030F6575 UniRef90-E3F098 UniRef90-UP10003B68A68 UniRet90_R5PVR5
UniRef90-UPIOOO46D89B9
UniRefo-
UniRef90_UPI000377771A

1 MRYQITGKQID GAALLQTHIVETQLSALEKYAGRPTDANVI MEVNVVGRHMDVPDRFRRHLSEKLDKVTQLAPAALIRVDVE MKFIIRGKNDETDALKOYAEEK GKIERYFDDDPEARIS MRYQISGKQLDVGEALQTHVKAELETVEKYAQRPTEAVVV MKYNI RGQRMEVTEALKDYVEKKLSRLERYFETPPQVNVT MRTRVSGKDDDGESLQTHVNQELETLGKYAGRPTDATVT

 MEVRI QSVHFTATMALEEFVQKKLDRLDRLYGGVVKAEVV MK Ti TGRKVSRRDFKERVEKKLKKFGRMFGEDASASVT MTLNISSKQMDITPA RSHIEDRLAK DDKFHTQLIDPHFM MGLRISGKHMDIGAAFRTRIESR1EAMEKYFDGGFSGRVA MEVQVTGKHVDVGEALRSRVADELASMEKYFDRGGGADVV M VVRFVTKHVELQQEMKEYMERKLSKLEKFFDRILDGEVEE M MQI RFNFKSFEPSDHLRDYAEKRFDKLNKYIJHDESAQVN MQVQLSGQKDEDTPALRERVNGHCERLTRLESRLELELSVVV
$M N I$
$M$ MALRVSGKNLDTGEALRGQVQDRTEAMTKYFGGGFAGHVT MQLNFTGRNLIVTPALKTYTQEKLQRLERRHTQVQKINIV MHVQVRGDHIEVTDALQEYAARKLGRLEKYFDTPPEAHVT KVQVTG NVEVTPAMRDYVEKKLGKVMPVHDA\|NKVDVH MKVNITGKNI DI TSAMRNHIEGKFKKLEKWQVEFIGCQAT MHIHVSGKQI DLSDALKHRVNTHMGNLDRYFDKALEAKVT MEFVINGRNLAVSDRFREYATEKIDKIEQLGDKVQRVDAK MS:A SSQVIDVTPADRERUESRFEKLNRRQDALDTPHVM MRYTISGKHDDVGDALSTHVKSKLSKTISELDSREVGRCDVV MELQI TDKNARLSPTLRSYIERKLSKLSRHLPNTMESKVE
 MEIVVKGRNVEVPDHYRELVEEKIESLARYDGDADDUDVE MNITITFRHMVGTEAVKKYAHEKVAKLQKF口RQAMTAQVT MEITVKGRNTEVSDRFRNHDEEKIAKVEQFAPRAQRVEVE NFN:RGENTEVTPALREYTEKKLQKLERYFTDEVNAHVN MKI DFKGKHIEVTDAMRNYIEKRLNKIERHFDHILEVIVT MNI AFTFKNFEPSDHLKKYANRRFEKLGRFLNKNLELQVL MDI RVSGHQVETGDALRTHVDERLQGITKYFARTISAQVT MEVVVTGRHTDVKERFRRHVEDKLEKVVQFAPRAQRDDVE MQ1 QVTGKKVELGAALQERIETELAGITKYFDRGGSAEVT

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 MKIEVDGKNFIPTEAIRKYAE MKYNI RGQHVQVTEALREYVE MSVRVSGKHMELGDSFRQRIE MQI TI ARHFELTDP KDYADIAMRGLKKYFDHIIVAEMI MNVRITGKNFNTYKHLEETDRKKFEKLGKYFSDDIDVNIV MK SGHHVDVTDAVKSHVOEKFAKTGRLYDNANHFS
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M.\begin{tabular}{l|l|l|l}
M D \& $V$ \& $T$ \& $I$ <br>
$R$ \& $T$ <br>
$M$ \& $V$ \& $S$ <br>
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$A K D H$ F D A T E Q L H A

$G$ \& $R$ \& $N$ \& $V$ \& $E$ \& $V$ \& $P$ <br>
$G$ \& $E$ \& <br>
$G$ \& $V$ \& $D$ \& $T$ \& $G$ \& $E$ <br>
$G$ \& $D$ \& $V$ \& $D$ \& $V$ \& $G$ \& $D$
\end{tabular}RVEDRGENDEVTDALREHVEDKVAKLERYFNDVPNAHVN$M K I T I T A K K M Q I P Q N F T E Y A E K R L S K L D K F F G S E A E A K I T T$KFNIRGENVEVTESTRDYVVKRISKLQKFFEDSVEAHVNMEVVVVGRHTDVPDRFRRHVEDKLAKVQQLSPRAQRVDVEMEVKI QSDUFDATEKLQQAVVKKVAKLEKSYEDDQKVEVQMNFRGENIEVTPA REYVESKLSKLERYFNNEMDANVNMNVNVQSVNFTVDQKLVDFVQKREDKEVNYYDRVVSADVYKVIVQGRHLETTEATRDYCEQKI NKAVSHFDDVREVDVTMTIQITGKNLDAGNAFQTYASDKIHTLKKYDDRVPDGHVRMQL NI SGHHLDTGEATKQHSTEKLSKIKHHFDHV NN NNMIMEVVVVGRHTDVADRFRQHVEDKLAKVELLSPYVRRVDVEMRIEITSKQTTITDTMRAKVEERFEKLQKLQDSLINPHFIMR EEVTSKQUTVTDTMRAKVEERFEKLQKLQUSLINPHFIMKLIVTAKKMQDAQSFSTYAEGKLAKLDRFFEGDTDAKITMD RIQAIUFDATEQLKAFHQKKLDKLNRFADDDQGAEVVMDIVVKGRRTGVSDKFRRHVEHKLAKLRKWEKDMMSVDVEK V NMKVNTQAVNFDADAKLIDFIUQKRLDKLEQFYNKIINADDVYMEIVVAGRHTEVSPKFRAHLTDKLAKVEQLAPRAQRTDVLMEI RIQSDQRRQKVE

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$M$
$D$

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 MD $\square R V \operatorname{SGHQVDTGEALQTHASERLTA\square DKYFSRALSSQVTT}$


 M K V N TQ S V N F N A N G D L M S F V Q T R L D K L E T F Y D K V I S S D V Y




 ME I N
 M H Q NI IG K NVRIT K NVREHI A NKMQGI K DQADRIIDANII
 $M$ N K H I A A G R H F F E L T E P
 MEELGI Q F VVNMDTS E S F E A Y AT K K L L N R L Y K K Y E S D DR A E V Y MNLRIS GKHMDDGDAFRTRDNDRVEAIGKYFRRGFAGHVT MEVNTRSVNFNVEKE LLNFI QKKMDKLDNFYDRVIVYSDVF MKLEMYYVDND K S E T L L S D F I Q T K V V N K L E T F Y D GII I N G EVVY M E L K I $\underset{T}{ }$ Q A I H F
 M N $\operatorname{l}$
 M DVT P A A R S HI E D R L A K L N K WH T Q L D D P H F M


 | $M$ | $K$ | $V$ | $V$ | $H$ | $A$ | $V$ | $N$ | $F$ | $N$ | $D$ | $K$ | $K$ | $L$ | $V$ | $S$ | $F$ | $T$ | $D$ | $E$ | $K$ | $V$ | $N$ | $K$ | $L$ | $E$ | $K$ | $F$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $M$ | $D$ | $K$ | $I$ | $V$ | $S$ | $A$ | $D$ | $V$ | $F$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $M$ | $K$ | $V$ | $N$ | $V$ | $G$ | $G$ | $N$ | $I$ | $T$ | $V$ | $T$ | $E$ | $G$ | $I$ | $S$ | $D$ | $K$ | $I$ | $H$ | $K$ | $K$ | $L$ | $D$ | $V$ | $L$ | $T$ | $K$ | K FI L Q S K S L QLTPAVKSYVEDKL GKVQKHSHLVREVDVT


 MTIINI Q YVVKMPTSEAMNEYVERKLQ KI AVKYEWLI RADVVS
 $M K V Q U T F H G D D H S E A V E N R V R E K V A K L E R F F D R I T S C R R V N$
 M K V N T Q S V N F A A D Q KL V D F I Q K R M D K L E V F Y D R V V H S D V Y MDI RVS GRKTTVT DAL RAHVTEKDADALKVFDEPMTVDAV $M N V E Y T G R N T T I S P K W K Q M A D Q E L G R D D K L L G R S V G A H V I J$ M KV V V S G H GFDL G S S L S E Y IT D R L F SVVK K HL T Q A A G A RV S M DLLNI DG R N V E I T T A M N E Y I S K K L





 I KI N G S N DD L G E A L P R K I Q D E L A H V E T Y F G H L N H A T V G MDVVIS GRHQTVVSDRFRDHVTERVGKVVELAPRALRDEVL



| UniRef90_I1YWM5 | $M K \text { VQLIK A K E }{ }^{90}$ |
| :---: | :---: |
| UniRef90-E2CF14 | 1 D K R |
| UniRef90-D9QM10 | L EKRVRRYKRRL |
| UniRef90-R5FIE8 | I ERMVRKYRTKL |
| UniRef90-E8MXL4 | LQRKMERFKGK |
| UniRef90-X5MM02 |  |
| UniRef90_B6IW92 | V |
| UniRef90-UPI000466C6FC |  |
| UniRef90-M2Q1M6 |  |
| UniRef90_UPI000378E899 | ID R QLHRHKKRL |
| UniRef90-M4VP96 | LEK Q F L K V |
| $\begin{aligned} & \text { UniRef90 17JH71 } \\ & \text { UniRef90 N8P1Z9 } \end{aligned}$ | LK R QL H K H R |
| UniRef90-K0D814 |  |
| UniRef90_A0A058ZMK3 |  |
| UniRef90-F0S189 | A EK Q L R R L K C K V |
| UniRef90-F8L3D2 | LQ T K L L K WK S |
| UniRef90-B9EAE7 |  |
| UniRef90_C2G2M7 | 1 R R Q 1 NKHK K |
| UniRef90_K1Z1S5 | L E ELK |
| UniRef90_LODFA4 | \E Q Q L R R K E K V |
| UniRef90-R7ME01 |  |
| UniRef90-U7V2N2 |  |
| UniRef90-UPI00034D5DE6 | LRRQVRRKKGK |
| UniRef90-R6YUT9 | VERQLLRHKQKV |
| UniRef90-R6R7E2 |  |
| UniRef90-TOHKB4 | ID K Q LR R Y K |
| UniRef90-N9DHP2 | LKRQLHKHR |
| UniRef90-R6VH34 | LKRQLEKFKGK |
| UniRef90-UPIO0047B10DC |  |
| UniRef90_J9GXX6 | L Q R Q I EK Y K K |
| UniRef90-F0RA38 | I ERQLVKRKEKL |
| UniRef90_Q3B2F4 | L GRQLQKYKEKM |
| UniRef90-UPI00036856A5 | L GKRLR ${ }^{\text {R Y R R K V }}$ |
| UniRef90_UPI000374F926 |  |
| UniRef90-W5IK36 |  |
| UniRef90_D1PZN9 | L R VKKLE K F K E K M |
| UniRef90-Q0BUA9 | 1 A |
| UniRef90-R7EZ97 | L ERQLEKLKKGK |
| UniRef90-K1Y6M7 | L K R Q L E QVREKL |
| UniRef90_R6IXW9 | LKRKL |
| UniRef90_UPI0002628DE8 |  |
| UniRef90_R5LHP5 | \ERK\RKAKEKV |
| UniRef90-B9KCS0 | IS KVLRRLLHDK |
| UniRef90_UPI0001D2DF6A |  |
| UniRef90_E6X090 | MK K S L R R Y A D K I |
| UniRef90-D3NQR9 |  |
| UniRef90-R5MW04 |  |
| UniRef90_UPI000380C31E | LE D QLE K R K G K L |
| UniRef90-E8TCQ7 | L E TR |
| UniRef90-K2PR06 | L ERULKKRKQKL |
| UniRef90-14ALL6 | LR R Q |
| UniRef90-R6AWX6 | L LRQI D K Y K ER |
| UniRef90-F0XXN1 | V ARKLRKVKER |
| UniRef90-I3YYT8 | L A SQLQKRKAKM |
| UniRef90-UPI000377FD97 | 1 T R R M R C C T R L |
| UniRef90-X5DFA2 | I K K Q L V K K E KL |
| UniRef90-R6GX49 | I EKQI I KYHKKL |
| UniRef90-M4R7Q1 | LEGQLVKLKKK |
| UniRef90-B7GE66 | L Y R KLCKYK |
| UniRef90-A9M7A5 | 1 E T R |
| UniRef90_UPI0002FEB06A | L ETGLRNRKGQL |
| UniRef90-G8X5Q2 | LERLLVKRKEK |
| UniRef90-B7CAG7 |  |
| UniRef90-A0A022PV80 | V L R K L R K $\square$ KEK |
| UniRef90_C4UNP7 |  |
| UniRef90-I8UG60 | LERMLLKHKDK |
| UniRef90_UPI0004146E49 | LEKQLKKRKAK |
| UniRef90_F9Z842 |  |
| UniRef90-A3U9H3 | LKTQL E |
| UniRef90-M7MIB1 | LD DQLKKRKQ |
| UniRef90_V6F493 | MERQLKEY |
| UniRef90-G0L9P1 | LERKLIKHKEK |
| UniRef90-UPI0003825142 | L K RQLVKAKEK |
| UniRef90-W2UUA5 | LERVLVKRKEKL |
| UniRef90_F2N777 |  |
| UniRef90-E8X3N7 | TESQADKHKE |
| UniRef90_C6V4K5 | I L L K L R R Y K D RIL |
| UniRef90-M1LA08 | V NRQLVKLK E |
| UniRef90-A0A023BYS9 | L ERQLKKRKQEM |
| UniRef90_F4CDS2 | L R R Q ${ }^{\text {NKHKTK }}$ |
| UniRef90-R5KZ94 | I E GQL R K D |
| UniRef90_UPI000479627A | V S KVLRRHHDK $\square$ |
| UniRef90-UPI0003A9C198 | M D |
| UniRef90-B7RJI2 |  |
| UniRef90-UPI00046908EC | VERLLLVKRKEK】 |
| UniRef90-R6Y5K3 |  |
| UniRef90-R7BVC9 | L L G Q M K Q K |
| UniRef90-14Z0U8 | VGR QLLRRKQRV |
| UniRef90_W6K1Z7 |  |
| UniRef90-UPI0004199A75 | LERQLRKRKEKM |
| UniRef90 UPI00040130E9 | LERQLSKRKAKM |



UniRef90-B3E460 UniRef90-A6D3Q1 UniRef90-G2LLF6 UniRef90_Q65VQ1 UniRef90-A3SKZ0
UniRef90- X 1GXH8 UniRef90-R7ZSP9 UniRef90-W4HJX0 UniRef90-S2VQN4 UniRef90-UPI00047DA9ED UniRef90_UPI000382DBA6 UniRef90-K1ZFU9 UniRef90_UPI0003738028 UniRef90-M1WJF1 UniRef90_UPI000472FB34 UniRef90_UPI000472DF45 UniRef90_UPIO002D93963 UniRef90-UPI000255F41C UniRef90-K2H6Q1

## UniRef90-X8MFA6

 UniRef90-A8F3K5 UniRef90_UPIO00380E194 UniRef90-Q2YAL3UniRef90 C6BWNO UniRef90 BOSB82 UniRef90-G4R9A8 UniRef90_UPI000477FF2D UniRef90_B9K7U4 UniRef90_Q2LSN2 UniRef90_A4SG15
UniRef90 G8R0F7 UniRef90-K1MYR9 UniRef90-A7GXP2 UniRef90_UPI00031F2F1F UniRef90_G2DH89 UniRef90-R5QH25 UniRef90_UPIOO0225C158 UniRef90_C5F292 UniRef90-IOKE86 UniRef90_R5Y7V6 UniRef90-D5AKP1 UniRef90-UPI0003B30B61 UniRef90-W0GQS7 UniRef90_UPI0003B63EE1 UniRef90_UPIO00382823D UniRef90-D6Y6C6 UniRef90-FORI16 UniRef90_UPIO0036C0D3D UniRef90_F4L4M4 UniRef90_C8WD98 UniRef90-R7DQ82 UniRef90-E8UZB0 UniRef90_B7RH54 UniRef90_UPI000479A906 UniRef90-D1NT70 UniRef90-F81011 UniRef90_UPIO00463BDB3 UniRef90_Q2VZ29 UniRef90_B7IG48 UniRef90_JOVAG3 UniRef90-GOUEE3
UniRef90 B6BM76 UniRef90-K2FB78 UniRef90_UPIO0029B53CD UniRef90-F4B0K7 UniRef90_A0A059G6R1 UniRef90_A5EVC1 UniRef90_Q3YS76
UniRef90-B8DT99 UniRef90_UPIO002DDB05C UniRef90_Q1NTI2 UniRef90 A4THHO UniRef90-C3NTV5 UniRef90-K1Y686 UniRef90-F5WTP4 UniRef90_UPIO00382D161 UniRef90_A8UX19 UniRef90-I3ZAP0 UniRef90_R5BXJ8 UniRef90_W0DI89 UniRef90-UPIO00381F44F UniRef90_X5K6Q5 UniRef90-D6Z301 UniRef90_UPI00046E6402 UniRef90-UPI00035D55BE UniRef90-G2J3Q1 UniRef90_L7U1W6
UniRef90_T0DLZ6
MTVNY Q Y VV N T D $\square$ S E T|L|SAFTEEK|L|SK|L|SNRYEFLLI|SAA|V|K MQVSTTFRHMEQSEALKSYAEEKLLERVAKYYDEPI SAQVY







 $M N$ I SFTFKNFEPS DHLKGYAQKRFEKI GKFVPDEADLQVN







 MT GR H V E L T D P L
 MKISVTGRNTE E E GWQT QYVE DRVVKRLNKYDDAPADVHVV $N V V K V T L R H S S N H S T I D E Y A R A A V Q E E L A R L Y P D M T S S S H V I$ MDI QTVGFHADVT $M K I Q V Q A \square G M T P H A$ M NI SIVGKQFELTE M
 M E I I I T G K H L E M G D S L
 $M N I Y D R G E K L E D T$ DAMKSYAKEKLERLSKYVDSDVNANV $M R Y Q I S G G K Q L D V G E A M Q T H V V K T E L E T V V D K Y M Q R P T A D A T V V$
 MKYTI R GKNLEVT QAMQVHINTVFNKLEKYSNDIVQMDIVE



 M DIDRI S G H Q ID T G A A L R E YVN D HL S Q $\quad$ S K Y F P K CL S A SVVT


 $M E \operatorname{I} V I T G R H T Q Q K Q K F R D V V D S K M N R V T A D A P D T Q R D Q I V$



MN
 $\left.\begin{array}{ll|llllllllllllll|ll|llllllll|l}M & E & A & F & Q & F & V & Q & L & S & K & S & E & R & L & E & E & L & T & Q & K & K & L & D & K & L & E\end{array}\right)$




 LEIT F R R M D P S P AVVEARIREKAK KLIERFHDHIMSCRVV | $\mathrm{M} \mid \mathrm{V}$ |
| :--- |
| V |

MTIQFNYQHVSGSTE LENYTKEKLQTDFDRYSWVTSADVF
 $M \operatorname{MD}$ R I Q S L L K F D A D Q K L I D F I E K K L A A K L P R Y Y D D V K S V E V I $M L V V Y$ H G K N V E


| RRef90 A8UKZ1 |  |
| :---: | :---: |
| UniRef90-B3E460 |  |
| UniRef90-A6D3C | FSEEPNKQKFEAS TVPKGKLVASATHED |
| iRef90-G2L | K |
| iRef90-Q65VQ1 | LSK\PNGFQVDAS GTP GNLQATAQSDDM |
| UniRef90-A3SK | FSKNASAYACEATVHLSGLTAQARAQAHEDYAAFDSC |
| UniRef90-14 |  |
| UniRef90-R7Z: | K |
| Ref90_W4HJX0 | SGHEYVCEAVIHLSGLNCTAKAKGTEDYATFADC |
|  | KENKVVEKVNVPGDSFVVKKQFKSFEEGVDACENP |
| UniRef90-U | LRHKADVILDADTVHLTADEASEDMYATIDLVV |
| UniR | MSNGLNINGKEEEKEMALLIDNA |
| P10003738028 |  |
| UniRef90-UPI000472F | 俍 |
| UniRef90-UP10004 | R |
|  |  |
|  | K |
| UniRef90_K2 | FSRDAHE |
| UniRef90- A8F3K5 |  |
| UniRef90 UPIO00380E | A |
| UniRet90-Q2YAL3 |  |
|  |  |
| UniRef90 ${ }^{\text {BO }}$ | DGNNFNAHNQDKDITYVCIDGLEDK |
|  |  |
| - | S |
| UniRef90-Q21SN | L EKVEKFRNVAKINVMLNGNNLVEERESKD |
| UniRef90-A4SG15 | LDHQKNDYIAEITVHVPQHDFVAKDAGPAYEACIDACVSA |
|  |  |
|  | T |
| UniRef90-A7G | R |
| P100031F |  |
| $\begin{aligned} & \text { UniRef90-G2DH } \\ & \text { UniRef90-R5Q } \end{aligned}$ | NLTKVDMTVHISGVLVQGSSSNADAYAAFDAANDR |
| UniRef90-UP1000225C158 | K |
|  |  |
| UniRef90_10K | GKDKIVEVRLNTPGKELFVVERNKSFEAAVDQLVDV |
| UniF | FKINGTKQKLEVTIPLKNFTLRVEEVGDDFYAVVDTA |
|  |  |
|  | NQVHDCS D K G N NFLKAVTTDDFYKGVEOVSKK |
| PI0003B63EE1 |  |
| UniRef90-UPIo00382823D |  |
|  |  |
| OR116 | AENFESA $\square$ AETVRD |
| UP100036C | K |
| UniR | K |
| UniRef90-R7DQ82 |  |
|  |  |
|  |  |
| UniRef90-UPIO00479, | VDAPHRHQRVRI DLTVPNAELVVHQNYEDMYVAIRDAFDA |
|  | D |
| UniRef90 UPI000463BD |  |
| UniRef90-UPI000313B030 | K TEEATDLCDDA |
|  |  |
|  | A |
|  | LFVPGSTLFSKEDASSFEAAADAAVEA |
| UniRet90-GOUEE3 | R |
| 36BM76 |  |
| Unip | D |
|  | Q SMPGPRLFAEHSSDDFYPSLKEAINE |
|  |  |
|  | LRIVKHEKIAETTLSAASNDIHAEGRHEDM |
| UniRef90_Q3YS76 | LSKDANLFNSTISISITKSEFIR\\|SKTSDTAYHAIDNSIDY |
|  | GNPRRVELTVVAGSTVVRAEASSLLDEVSALDLLI |
| UniRef90_UPI0002DD |  |
|  |  |
|  | DIL V ${ }^{\text {N }}$ |
| Un | $S V N K V V D Q$ |
|  |  |
|  | VSVYPDNKNVK |
| UniRee90-F5WP4 | VNVYPQGS |
| $\begin{aligned} & \text { UniRef90 UPIO0038 } \\ & \text { UniRef90 A8UXI9 } \end{aligned}$ |  |
|  |  |
|  | k |
| R5BXJ8 | GVPGDTLIIERVADTFENAVTGCVDA |
| WoD |  |
| UP1000381 |  |
| UniRet90-X5K6Q5 |  |
| UniRef90-D6Z301 |  |
|  |  |
|  | K |
| UniRef90_G2J3Q1 | $\begin{aligned} & A \\ & A \end{aligned}$ |
| Ref90-TODLZ6 |  |


| UniRef90_A8UKZ1 | LIER QLIKKRKE |
| :---: | :---: |
| UniRef90-B3E460 |  |
| UniRef90-A6D3Q1 |  |
| UniRef90-G2LLF6 | LA R Q VN K L K E K V |
| UniRef90_Q65VQ1 |  |
| UniRef90-A3SKZ0 |  |
| UniRef90-X1GXH8 |  |
| UniRef90-R7ZSP9 | LVRQLQK N K |
| UniRef90-W4HJX0 |  |
| UniRef90-S2VQN4 | DERFLKKYK E |
| UniRef90-UPI00047DA9ED | LEK Q L E K K |
| UniRef90-UPIO00382DBA6 |  |
| UniRef90_K1ZFU9 |  |
| UniRef90_UPIO003738028 | LE N Q LK K R K E |
| UniRef90-M1WJF1 |  |
| UniRef90-UPI000472FB34 | LVNQIK R R K E K |
| UniRef90_UPI000472DF45 | L ERQLLKKKEK |
| UniRef90-UPI0002D93963 |  |
| UniRef90-UPI000255F41C |  |
| UniRef90-K2H6Q1 |  |
| UniRef90-X8MFA6 |  |
| UniRef90-A8F3K5 |  |
| UniRef90_UPIO00380E194 |  |
| UniRef90-Q2YAL3 | A K R Q Le D Y G R R |
| UniRef90_C6BWN0 |  |
| UniRef90-B0SB82 | I I S QTSKHHD |
| UniRef90_G4R9A8 | LEK R L R R Y K K L |
| UniRef90_UPI000477FF2D |  |
| UniRef90-B9K7U4 |  |
| UniRef90-Q2LSN2 |  |
| UniRef90-A4SG15 | LGRRQLQKHKEKM |
| UniRef90-G8R0F7 | LK GQ I RKLLK T K L |
| UniRef90-K1MYR9 | SKKLLIKHKE |
| UniRef90-A7GXP2 | A AKVLRREHDKM |
| UniRef90_UPI00031F2F1F |  |
| UniRef90-G2DH89 | ARRQLQD |
| UniRef90-R5QH25 | \GKQLLR Y K K R L |
| UniRef90-UPI000225C158 | M Y K R T HKYRERL |
| UniRef90-C5F292 | M H K L R R Y H D |
| UniRef90_I0KE86 | MKDKL VRCKQK |
| UniRef90-R5Y7V6 |  |
| UniRef90-D5AKP1 |  |
| UniRef90-UPI0003B30B61 |  |
| UniRef90-W0GQS7 | ME D Q I R R $\square \mathrm{K} \mathrm{N}$ |
| UniRef90-UPI0003B63EE1 | ID KQLRRYKRR】 |
| UniRef90_UPI000382823D | IQ IE LKK Y |
| UniRef90-D6Y6C6 |  |
| UniRef90-FORI16 | LD N Q LQ K K E K M |
| UniRef90_UPI00036C0D3D |  |
| UniRef90-F4L4M4 | VK K Q L L H K C K L |
| UniRef90-C8WD98 | IEKQL R R H HRRL |
| UniRef90-R7DQ82 |  |
| UniRef90-E8UZB0 | VE K Q VT K V S K K |
| UniRef90-B7RH54 | MERQLRRWQDQ |
| UniRef90-UPI000479A906 | AKRRLRRHETK |
| UniRef90-D1NT70 |  |
| UniRef90-F81011 |  |
| UniRef90_UPI000463BDB3 |  |
| UniRef90_UPI000313B030 | \K K Q ${ }^{\text {D }}$ K Y K E K |
| UniRef90-Q2VZ29 | MERQLKEYVDR |
| UniRef90-B7IG48 | FEKKLKRERE |
| UniRef90_JOVAG3 | MRRQLKKFKEK |
| UniRef90-GOUEE3 |  |
| UniRef90-B6BM76 | A QKALRRMHDK |
| UniRef90_K2FB78 |  |
| UniRef90-UPI00029B53CD | LD R QLS K R K A Q L |
| UniRef90-F4B0K7 | V D RQLRKKKEKM |
| UniRef90-A0A059G6R1 |  |
| UniRef90-A5EVC1 |  |
| UniRef90-Q3YS76 | LR D K L Q K K T |
| UniRef90-B8DT99 |  |
| UniRef90-UPI0002DDB05C | M A |
| UniRef90-Q1NTI2 | A ARRLEEY |
| UniRef90-A4THH0 | LA R Q L NKHKDKLL |
| UniRef90_L7WH35 | LK T Q CEKRK |
| UniRef90_C3NTV5 |  |
| UniRef90_K1Y686 | LK D L L VKVK E K |
| UniRef90-F5WTP4 |  |
| UniRef90-UPI000382D161 |  |
| UniRef90-A8UXI9 | $\square E R Q L \square K \square K Q R$ |
| UniRef90-K1Z606 | MAKQLENYAEK■ |
| UniRef90-I3ZAP0 | N $\mathrm{l}^{\text {R Q }}$ I Q K N K |
| UniRef90-R5BXJ8 | MKEKLTRTKEK |
| UniRef90-W0DI89 | VERQL $\quad$ K $\square$ K Q R |
| UniRef90-UPI000381F44F | LK R Q L EKR |
| UniRef90-X5K6Q5 |  |
| UniRef90-D6Z301 | A A R R Le |
| UniRef90-UPI00046E6402 | LRRQL |
| UniRef90-UPI00035D55BE | LQRQLEKR |
| UniRef90-G2J3Q1 | ARRMLEDH |
| UniRef90-L7U1W6 | ARRQLQHY |
| UniRef90 ${ }^{-10 D L Z 6 ~}$ |  |

## UniRef90 A0A059FLK3

 UniRef90_C3XP50 UniRef90_A4AQL9 UniRef90 - UPIO004121CEB UniRef90 F6GIX6 UniRefi90-UPI000362D3АВ UniRef90_UPI000364C6B7 UniRef90_Q1YFC6 UniRef90_F8C2R6 UniRef90_UPIO0029B5090 UniRef90_R6YWC6 UniRef90-K6X2D6 UniRef90-UPIOOO2FOA2AF UniRef90-X7YJH4 UniRef90-W9HDA6UniRef90-K2NYT4 UniRef90_K2NYT4
UniRef90_UPI0002EB7931 UniRef90_Q3APR1 UniRef90_K9VXR7 UniRef90_A3XP15 UniRef90-B0TQE4 UniRef90-F5Z184
UniRef90-A6Q4Q4 UniRef90_K2ECP8 UniRef90_G2EBY8 UniRef90- X3WY99 UniRef90_R7KLX5 UniRef90-S4XFM3 UniRef90_B3QW75 UniRef90_Q60A40 UniRef90-A1SY46
UniRef90-C0BJ85
UniRef90-C0BJ85
UniRef90 E7NY42 UniRef90-W0JKN6 UniRef90_F8CGD3 UniRef90_UPI00047EF767 UniRef90_UPI0003B5D006 UniRef90_UPIO00379436D UniRef90_F8AYU4 UniRef90_UPI000348AE1D UniRef90-UPI000376B8A5 UniRef90_-UPIO004118274 UniRef90_WOIX74 UniRef90_H3KGX5 UniRef90-A0A011MRD8 UniRef90_X1IZV3 UniRef90_UPI0002F37D2C UniRef90_A0A011TDB0 UniRef90_LODRC2 UniRef90-M1YLP8 UniRef90_MOWGV3 UniRef90_B9KIL8 UniRef90_UPI0003B4ED7F UniRef90_U7E232 UniRef90_H0HIY1 UniRef90_W2UN74 UniRef90_S5U094 UniRef90_X1MLY6 UniRef90_J1FBJ6 UniRef90_K9RHV0 UniRef90_UPIO0040FC747 UniRef90_W6MDV2 UniRef90_B5JNT4
UniRef90 S6ALI0 UniRef90_D5HB28 UniRef90-K7S714 UniRefi90-UPIooo37F28E8 UniRef90_UPIO003B65837 UniRef90_F8EG68 UniRef90-W8SLP5 UniRef90-L7GJZ3 UniRef90-H5SRX7 UniRef90_UPI00046393D3 UniRef90_A0A011QFR3 UniRef90_UPIO00248EBAF UniRef90_E4U3B5 UniRef90_D5BR96 UniRef90_H9UB80 UniRef90_UPIO00360EC19 UniRef90_W8AC58
UniRef90_UPIO00423F457 UniRef90_A6CY25 UniRef90_A7HJV2 UniRef90-AOA011PVM8 UniRef90_UPIOO046F3E21 UniRef90_UPI0002627F4D UniRef90_UPI0003F71E21 UniRef90_A4BJM4 UniRef90-K9T078 UniRef90_A5IBA4 UniRef90_V6DIH7 $M$

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 NVQFTGRNVEDPEHFAERVNTKLAKVERLDPTLTYFHVE
 NVHFRAVNYTADVTLKEFAQQRLGKLTEFYNQi DEMHCF MNINDQAVKFTMDEEQKAYALKKFERIQYAKDLITDVLCN MEFVFASKNDELTDADKTYVTKKLSRLEKDYD I LQAEVVM MKVLLRGVHLDLSDALKSYVDEHLVRLERFADDISLVDTN MQI QI AGRNTDLGEALKNRIESGLEAVTKYFDRATEGNVS MALRVSGKNISIGEALRSHVRTRIDTISKFSAGPDSGHVT
 MQI QI TFRGTPPSEAVEARIREKVNKLEKFHSHIMSCRVA E SGVKYTADDTTKKYVSKKIGRLDRYLPKHARAEVK


 MDVSYIARNLSLPESFRDHVAERTERLHTLAEGAETLEVR MAL R I A G K H M DVG D A FRTRI T E R V D II Q K Y F D R GF S G QV T
 M N V IIT T C R G Y K A T A S I K S Y V E D S I S H L G K Y L H D S P N V R V V


 $M N D N D K$

 MKI GVQS $\square$ HFNADK DL L A FII Q K K A N K L D L F F D QII G G DV Y







MK ITRVSERHMAESEALNKYAVSKVEALSRYFDG\|ISVD\|V


 M NVQI R S K E $\square$ K LTT Q HL N D H I A T AII E NFK R Y H LDDITTVVNVM $M Q I N I S$ GKNMDTGAAFQEHAHNALENNVEKYFQNAVS GHIT


 M E FL I S G R N L S V S D R F R E Y A E D K I D K I
 M N L K I Q A P D FP L T D G L R Q HV S L R L A H L N N GR DVVTRMVVH MKLRVQHTNFEATEKKLDQYTEKKVGKLEKFYADIDNAEVL
 MKI NFE Y H E V VA G S Q R L E A FVVTE R L N K L E T K Y D S I I G G DVV M QI E I R S K N I D M T P S Li R D Y V R R R L S A L G A R A G Q I QRVVQV M


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