|   | 1 10 20 30 40  |
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| UniRef90_UPI0002A48226<br>UniRef90_Q4T300                           | M A L   S Q   V   Q C   L   D D N H   V   N L   R T   S E S K P E F   L   Y C E D Q R   L   A   L   E A   L L   Q M A L   S Q   I   Q C   L   D D H H   V   N W R   V   S E S K A E F F Y S E D Q R   V   A   V   E E   L   A  |
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| UniRef90_H3B639<br>UniRef90_W5LE69<br>UniRef90_UPl00038F042F        | MAGSQ CLDDLPRYRRSAPASLRELYNEAHRLALEELIS<br>MAESQLAFMEDGHVNENIPESKPEFYYSEEHRVALELLR<br>MAASQLAALDEAEVPLPLTEASPAFLYSEGQRLAIEALLS<br>MAN QSQCLDDAPFRLRGWEPIPPSTYNEAQRLALEELIA   |
| UniRef90_V8NT18<br>UniRef90_UPI0003EC31C1                           |  |
| UniRef90_UPI0004404B14<br>UniRef90_UPI000392D963                    | LEDVKSQW VRQARADFSDNESARLATDALLD<br>MAESQVLLDEL <mark>H</mark> VNEKVTEAQARFYYSEEQR <u>R</u> ALEALVT  |
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UniRef90\_H2L2Y8
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UniRef90\_H3CPD6
UniRef90\_M4ARP1
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UniRef90\_Q8K2P2-2
UniRef90\_USIJE5 UniRef90\_Q8K2P2-2 UniRef90\_L5LIP5 UniRef90\_L9PI0003D7229B UniRef90\_UPI00042C8EA2 UniRef90\_UPI00042C8EA2 UniRef90\_UPI0003AF9EFE UniRef90\_UPI0003AF9EFE UniRef90\_UPI0003B76653 UniRef90\_UPI00046B3768 UniRef90\_UPI00046B3768 UniRef90\_UPI0004443CE4 UniRef90\_UPI0004443CE4 UniRef90\_UPI000392D0EF UniRef90\_UPI000392D0EF P P P P P P PPPHP PPPS P W Q S D L A A P G L D L G W P Q M S F L G K I L V I L V I L V Q DKGHGGGTATTTYPN KKTKSGGETTTSNKKT SDPSEPPPPPPPP UniRef90\_UPI000392D0EF UniRef90\_H2V6X9 UniRef90\_UPI000388B479 UniRef90\_R1C2H1 UniRef90\_K9X7P8 UniRef90\_K9QIV8 UniRef90\_K7WFA6 UniRef90\_UPI00030794D5 UniRef90\_UPI0003733C65 UniRef90\_UPI0003733C65 UniRef90\_UPI0002FC970F UniRef90\_K9Q1F7 UniRef90\_K9Q1F7 UniRef90\_K9UFR1 MLASELELGTLEAGYSTPPQFDLLT
GAS
GAS
PPQRVAVGDA
GDS
PDIQVYMNQN
GNA
GDN S S NSE NSS I T L T L K F V K F P WD K D S T A UniRef90\_E0UFR1 UniRef90\_I4F6R5 P P S Y S P Q T L A L N Ν UniRef90\_I4F6R5
UniRef90\_K9ZE61
UniRef90\_K9RMK0
UniRef90\_B7KBC9
UniRef90\_UPI00047A0CD9
UniRef90\_Q7U9E6
UniRef90\_UPI0003725C33
UniRef90\_B4VRB8
UniRef90\_Q2JSS8
UniRef90\_VESS8 A L P Q D S S I Q V Y F N H S Q T S E Y R P Q P L A Q D P T V E V Y F Q D P Y R N I K N P F V E V Y F N H S E S S Q Y L E P Y R Q Q T R N S N F S T Y L D P Y R
P Q D P F V Q V Y F N H S P
L K R P L E T V Y L G D A I V G V H F S P S S
P E T V V L G S S V V R V Q F S P T S I E R N T T Y N Y E A T T L P S E S P P

| QUERY  | 170 180 190 200 IKEVVRKMISQAQKVIAVVMDMFTDVDIFKDLLDAGFKRK   |
|--|--|
| UniRef90 UPI000441C984                           |  |
| UniRef90_F7E596                                  |  |
| UniRef90_S9XBY0                                  | I KEVVRKMI SQAQKVI AVVMDMFT DVDI FKDLLD AĞFKRK<br>LKEVVRDMI QQAQKI I AVVMDVFT DRDI FRDI VEAAYKRW   |
| UniRef90_U3KCJ5<br>UniRef90_T1DBY1               |  |
| UniRef90_UPI0002A48226                           | I K EV VR K MI A Q A Q K V I A V V M D T F T D A DI F R D L L D A G F K R K  |
| UniRef90_Q4T300                                  |  |
| UniRef90_I3JTJ1                                  | I KAVVRRLI QESHKVVAI VMDLLT DLQI TQDL LDASSRRG   |
| UniRef90_UPI000298A582<br>UniRef90_UPI0003F16505 | I REVVRRLI QEASKVI AI VMDMI T DPQI LQDL LDAASRRL<br>LKQVVRQMI QQAQKVI AVVMDLFT DGDI FQDI VDAASKRR  |
| UniRef90 UPI0003C1794B                           | LKEMVRRRI QNAQKVVAI VMDVFTDVDVFSDLVEAAMRRD   |
| UniRef90_H3B639                                  | CKFAIIRKIIIKSAKEVVAIIVMDSETDIIDIIFRDIIQET <mark>C</mark> NKRR  |
| UniRef90_W5LE69                                  | IVIK EIV VIR RIL I IQ E A S KIV I IAII. VIM DIL LIT DILIQII. LIQ DIL LID A S S K R R   |
| UniRef90_UPI00038F042F<br>UniRef90_V8NT18        | LKELVRREI QAAHKLVAVVMDVFTDPDLLSDLVDAATRRW<br>CKEAVRKQIRSAREVIAVVMDTFTDMDIFSDLQEACKKRL  |
| UniRef90 UPI0003EC31C1                           | I K D E A R R MI R S A Q Q V V A V V M D M F T D V D L L S E V L E A A A R R   |
| UniRef90_UPI0004404B14                           | II IR DIL LIR R CILIL R L S QIV LIAIL LIM DIVIE L DIVIEH IE CDIL LIE A A N K R G   |
| UniRef90_UPI000392D963                           | I I A V V M D V F T D R D I F R D I V D A A Y K H W  C K D A L R Q Q L R S A R E V I A V V M D V F T D I D I F R D L Q E C R K Q G   |
| UniRef90_Q9H4H8<br>UniRef90_G3VKR1               | I K D E A R R MI R A A Q Q V V A I V M D M F T D V D L L S E V L D A A A R R   |
| UniRef90_H2LY56                                  |  |
| UniRef90_UPI00033144A3                           | I KETVRKMI KEARKVI ALAMDI FT DIDI FKELVE SSIRG   |
| UniRef90_UPI0004445637<br>UniRef90_M4ARN2        | L K E L V R Q E I Q A A H K L V A V A M D V F T D P D L L S D L A D A A T R R W L K D L I R S M I N K A K K V I A V V M D L F T D V D L M C D L M E A S N K R R  |
| UniRef90_M4A571                                  | CKEAARRMII KSAKEIVI IAII VIT DSILIT DILIDII IFRDILIQEA <mark>C</mark> SHRR   |
| UniRef90_UPI0003318001                           | ILIK EIV VIR R EII IR A A Q KIL VIAIL VIM DIVIF T D P DIL LIS DIL VIN T A T <mark>C</mark> R W   |
| UniRef90_H2MFT4<br>UniRef90_F6Q4D1               | CKEAARRMIRSAKEVIAVVTDALTDLDIFRDLQEACTARRIKVVVRRTIQKATKVIAVVMDLFTDPDIFLDLHEAATRK  |
| UniRef90_UPI00033383E1                           | I R D L V R R C I T R T S Q V L A I L M D V F T D V E I F C D I L E A A N K R G  |
| UniRef90_F6RCU0                                  | II KEMIVIRRMII KEARQIVI IAII VIMDMFI DII IDII LIREIL VIE ASSRG   |
| UniRef90_UPI00020F75E5                           | I KELLRKTI REAQKL VALVMDVFT DPDL LLDLREAATRR   |
| UniRef90_M7C9M8<br>UniRef90_W5UCF2               | I K D L L R C L I S R A K T V I A V V M D L F T D M E I L C D L M E A S S R R H I K E Q A R R L I K N A Q Q V I A V V M D M F T D V D I F A D L L D A A Q R H  |
| UniRef90_W5MF74                                  | I K F V V R K MI V Q A Q K V V A V V M D M F T D V D I F K D I I D A S F K R K   |
| UniRef90_W5KG10                                  | <u>C</u> KEA <u>A</u> RRM    RSAKE VI A   V TDS  <u>L</u>  TD L D    FRD L  <u>Q</u> E  <u>V </u> SSRR   |
| UniRef90_F1R9L2<br>UniRef90_G1MSY7               |  |
| UniRef90 M3ZME8                                  | II K E Q A K R II I K N A R H V I A II V M D M E T D V D II F S D II I F A A G R H   |
| UniRef90_A2ARK0                                  |  |
| UniRef90_H2UQA2<br>UniRef90_U3JIE4               | I K E V V R K N I Q E A R Q V I S I V M D V F T D V D I F K E V V S A S L R G I R D I I R R Y I H K T T Q V L A I V M D V F T D T E I L C D L L E A A N K R M  |
| UniRef90_S9XE94                                  | I R D I I R R Y I H K T T Q V L A I V M D V F T D T E I L C D L L E A A N K R M L K E L V R Q E I Q A A H K L V A V V M D I F T D P D L L S D L V D A A T R R R  |
| UniRef90_G1T6M9                                  | II IK OIV VIR O MILIO K A H KIV LIAIV VIM DILIF T D <mark>C</mark> DILIF O DIV VID A A S K R R   |
| UniRef90_UPI0003506DC3<br>UniRef90_I3JVK0        | CKEAVRRQIRSARQMIALVMDSFTDTDIFTDLLEACSQRQIKEQARRLIKNAQQVIAIAMDMFTDVDIFADVLNAAM RNIKELLRTSIQEASKVVAVAMDIFTDPDLLLDLYRTATRRR   |
| UniRef90_I337K0<br>UniRef90_UPI000223F03A        | I KELLRTSI QEASKVVAVAMDIFTDPDLLLDLYRTATRR  |
| UniRef90_H2L2Y8                                  | II IK EIV VIR S QII IQ E A R EIV VIAII IA M DIVIF T DIVIDII IF R DIV LI <mark>H</mark> A AIL I R G   |
| UniRef90_F7G4S5                                  | I K E Q A R R MI R S A Q Q V V A I V M D V F T D V D L I S E V L D A A S R R<br>L K Q V V R R M L W Q A T Q V I A I V M D V F S D V D I F R D L M D V A C V R K  |
| UniRef90_S4RPV2<br>UniRef90_H3CPD6               | I K Q V V R R M L W Q A T Q V I A I V M D V F S D V D I F R D L M D V A C V R K<br>C K D L L Y Y S C I F P L Q V I A I V T D S L T D L D I L K D L Q E A C T S R S   |
| UniRef90_M4ARP1                                  |  |
| UniRef90_Q66JF7                                  |  |
| UniRef90_Q8K2P2-2<br>UniRef90_L5LIP5             |  |
| UniRef90_UPI0003D7229B                           | I K E I V H O E I O A A R K I V A V V M D V E T D P D I I R D M V D A A T R R W  |
| UniRef90_L9KI61                                  | I K E V V R K MI S Q A Q K Q P Q L WA A V L S D I K D L L H F L F S Q A R T V V T V V M D L F T D M E F L C D L M E A S G W H G  |
| UniRef90_UPI00042C8EA2<br>UniRef90_E6ZFC3        |  |
| UniRef90_I3KJR3                                  |  |
| UniRef90_UPI0003AF9EFE                           | LKELVHQEIRAAQKLVAVVMDVFTDPDLLLDLVEAATRRW   |
| UniRef90_UPI0003B76653<br>UniRef90_Q4SJ06        | I REVIRRHL QAAKTVI AVVT DQLT DNAI I FDL HTAAS RG<br>I KEQARRL I KTA <mark>C</mark> QVI AVVMDTFT DI DI FADL LDAA RRH  |
| UniRef90_UPI00046B3768                           | MIQLAQKVIAVVMDLFTDGDIFQDIVDAASKRR  |
| UniRef90_I3LR59                                  | I K DL L R F L F S Q A R T V R A S S L E T K C F L S L Q P N V L E G G S R K K   |
| UniRef90_F6YHW3<br>UniRef90_UPI0004443CE4        | R D L V R R C I T R T S Q N I S I R S M K D L V R Q F L R K A K L V L A V V M D A F S D P E L L C D L L E A S R K R N  |
| UniRef90_S9XLM3                                  | LKQVVRQMIQQAQRVIAVVMDLFTDGEIFQDIVDAASKRR   |
| UniRef90_UPI000392D0EF                           | CKEAVRRQLRSARQVI AL VMDSFTDIDI FSDLQDAYNNRK  |
| UniRef90_H2V6X9<br>UniRef90_UPI000388B479        | MKULIKETMKKAKESLVIVIMUUTSUVIELLUUDLLEASRKRN  |
| UniRef90_R1C2H1                                  | TLAVALKYLDSANKSII DVAVFNII TEDRIL TQRIL IDAHRHRG   |
| UniRef90_K9X7P8                                  | TNGLIGKTLDAATKSVDMALFVFSDQRLA NI LEKRHEET  |
| UniRef90_K9QIV8                                  | SKGILIGEHILINSAIKSII DILIAILIFIVIF SEQQILIA NII LIEQRHQQS  |
| UniRef90_K7WFA6<br>UniRef90_Q8DGH8               | VNGLIGQILGQARQKIDMALFVFSDOELI SNVLEERHNOG  |
| UniRef90_UPI00030794D5                           | LINGLINTNLSKATKSVDMALFVFSEQRLA NLLEWRHQQN  |
| UniRef90_UPI0003733C65                           | FERILIFSAIIEGASSSVIDVAVQE LRLPAIJAAARKKAG  |
| UniRef90_K9VEI1<br>UniRef90_UPI0002FC970F        | LKQVVRQMIQQAQRVIALVMDSFTDIDIFSDLQDAYNNRK MKDLIREFMRKAKESLVIVMDCFSDVELLCDLLEASRKRN MKDLIREFMRKAKESLVIVMDCFSDVELLCDLLEASRKRN CRYIVHSMWEDVEQRIAVVMDLFTDMEILCDLMEASSRRR TLAVALKYLDSANKSIDVAVFNITEDDRLTQRLLDAHRHRG TNGLIGKTLDAATKSVDMALFVFSDQRLANILERHHQN SKGLIGEHLNSATKSIDLALFVFSDQQLANILERHHQNS SNGLIAKTLSKSTKTVDLALFVFSDQQLANILERHHQQS SNGLIAKTLSKSTKTVDLALFVFSDQQLANILEERHHQQG VNGLINTNLSKATKSVDMALFVFSDQQLANILEERHNQG GLINTNLSKATKSVDMALFVFSDQQLANILEERHNQG GLINTNLGSAKKSVDLALFVFSAQRLSNTLEIEASRG GGLINTTNLSKATKSVDLALFVFSAQRLSNTLEIEASRG CGLINTTLAAATQSIDMALFVFSAQRLANILEERHNQG LQGLIGNTLNSASQSIDMALFVFSAQRLSNTLEIEASRG LQGLIGNTLNSASQSIDMALFVFSEQRLANILEERHNNNG GLINTLNSASQSIDMALFVFSAQRLANILEERHQGN FERLIFSAIEGASSSVDDLALFVFSAQRLSNTLEIEASRG LQGLIGNTLNSASQSIDMALFVFSEQRLANILEERHQKKAGG ANGLIGETLNKAKKSVNLALFVFSEQPLANILEKRHQKG ANGLIGETLNKAKKSVNLALFVFSEQPLANILOQRHQKGG LEQUINOQRHQKGGLERLPKIAQALAGKKAGG |
| UniRef90_K9Q1F7                                  | LIÈ Ă V L VĂ Ė ĮT TĂ Ă T Q Š Į I DITA Į QĖLO NEPLVA Ė ALĀ QKKA Ė G   |
| UniRef90_E0UFR1                                  | GLINQTLITSHSSVDLALFVFSEQQLANTLEKRHQKG  |
| UniRef90_I4F6R5<br>UniRef90_K9ZE61               | ANGLIGETILNKAKKSVNLALFVFTEQPLA NI LDQRHQKG   |
| UniRef90_K9RMK0                                  | LEQTI I DAI S QANSTI DI AVQELRLPLVA QALVK KQQAG  |
| UniRef90_B7KBC9                                  | LEQILIDII NQADSSI DI AVQEERLPKLAQAL AKRRG  |
| UniRef90_UPI00047A0CD9<br>UniRef90_Q7U9E6        | L E K L I V D T L S Q A Q S T V D V A V Q E L R L P K I A Q A L V D R Q K A G  M A V Q E L S L L S L A R H L I A A H R R G   |
| UniRef90 UPI0003725C33                           | II IE AIVITTE OII IA LANDTII IDII IAIVIO EII INII IPILTIA OAII VIK SHRSG   |
| UniRef90_B4VRB8                                  | LEQLITQĂI ATAQSTVDVAVQELRLPQI AQALVK RHQAG   |
| UniRef90_Q2JSS8                                  | LEQIITQAIATAQSTVDVAVQELRLPQIAQALVK RHQAG<br>SNGIIAATLAQAQQQVDLALFVFTDSGIANQLRQLRQERN<br>TNGLIGRTLNSAAESVNLALFVFSEQALA NILEQRHDRG   |
| UniRef90_K9SBY8                                  | T N G L I  G R T  L  N S A A E S  V  N  L  A  L  F  V  F S E Q A  L  A N  I   L  E Q R H D R G   |

|  | 210 220 230   | 240  |
|--|---|--|
| QUERY UniRef90_UPl000441C984 UniRef90_F7E596 UniRef90_Sy8Ky0 UniRef90_Sy8Ky0 UniRef90_USKCJ5 UniRef90_UPl0002A48226 UniRef90_UPl0002A48226 UniRef90_UPl000298A582 UniRef90_UPl0003F16505 UniRef90_UPl0003C1794B UniRef90_UPl0003C1794B UniRef90_UPl0003SC1794B UniRef90_UPl00038F042F UniRef90_UPl00038F042F UniRef90_UPl0003BF042F UniRef90_UPl0003BF042F UniRef90_UPl0003BF042F UniRef90_UPl0003BF042F UniRef90_UPl0003BF042F UniRef90_UPl0003BF042F UniRef90_UPl0003BF042F UniRef90_UPl0003BF042F UniRef90_UPl0003BF042F UniRef90_UPl0003BF04BF0 UniRef90_UPl0003BF04BF0 UniRef90_UPl0003BF04BF0 UniRef90_UPl0003BF04BF0 UniRef90_UPl000BF0F0F0 UniRef90_UPl000BF0F0F0F0 UniRef90_UPl000BF0F0F0F0 UniRef90_UPl000BF0F0F0F0F0 UniRef90_UPl000BF0F0F0F0 UniRef90_UPl000BF0F0F0F0 UniRef90_UPl000BF0F0F0F0 UniRef90_UPl000BF0F0F0F0 UniRef90_UPl000BF0F0F0F0F0 UniRef90_UPl000BF0F0F0F0F0F0F0F0F0F0F0F0F0F0F0F0F0F | S   | TOTATA TO SECTION OF THE CONTRACT OF THE CONTR |
| UniRef90_L5LIP5 UniRef90_UPI0003D7229B UniRef90_UPI00042C8EA2 UniRef90_UPI00042C8EA2 UniRef90_E6ZFC3 UniRef90_UPI0003AF9EFE UniRef90_UPI0003AF9EFE UniRef90_UPI0003B76653 UniRef90_UPI00046B3768 UniRef90_UPI000446B3768 UniRef90_UPI0004443CE4 UniRef90_UPI000392D0EF UniRef90_UPI000392D0EF UniRef90_UPI000392D0EF UniRef90_UPI000388B479 UniRef90_UPI000388B479 UniRef90_UPI000388B479 UniRef90_UPI0003705E UniRef90_UPI0003705E UniRef90_UPI00030794D5 UniRef90_UPI0003733C65 UniRef90_UPI0003733C65 UniRef90_UPI0003FC970F UniRef90_UPI0002FC970F UniRef90_UPI0002FC970F UniRef90_UPI0004FC970F UniRef90_UPI0004FC970F UniRef90_UPI0004FC970F UniRef90_UPI0004FC970F UniRef90_UPI0004FC970F UniRef90_UPI0004FC970F UniRef90_UPI0004FCD9 UniRef90_UPI00047A0CD9 UniRef90_UPI0003725C33 UniRef90_UPI0003725C33  | V E I R A L T E P Q F A Y R P Y S E A N K C K Y E L D N Q P W K N P T T T V G V G I R A L I D A Q F S Y R F Y S E A N K C K Y E I D N K P W S N P I T S V G V Q I R A L I A P Q F A Y R P Y S E A D N C K Y E V D N R P W K N P L S T V G V K I R A L I D R G F L R D F S E A L D M M G V A M A N T T Q A R Q G V K I R A L L E K S F A R S Y S E G L D M M G L A L S D K C K Y E V K P L T T V R V R V I L E N S Y S R P W S E F K P A E V S Q L P D R E R Q R I L R D G G V A V R A L I D S N F R S Y S E G L D M M G A T L M Q D C W R K P L T A V G V K I R A L I D S G F A Y R P Y S E S Q K C K N Q L D N R P W K N P I T T V G L N V R V I D D E R E L L K F D E Q E Q R S D E E K E K Y D A L A L L E N A G V N I R A L I D P G F A F N N Y S E S N K C R Y E A D N H P W Q S P L T S V G | H DKH <mark>c</mark> klmd Qvnqdvvvvvvvva4  |

|  | 250 260 270 280   |
|--|---|
| QUERY UniRef90_UPI000441C984 UniRef90_S9XBY0 UniRef90_UXKCJ5 UniRef90_UTDBY1 UniRef90_UPI0002A48226 UniRef90_UPI0002A48226 UniRef90_UPI0003A582 UniRef90_UPI0003F16505 UniRef90_UPI0003C1794B UniRef90_UPI0003C1794B UniRef90_UPI0003C1794B UniRef90_UPI0003BF042F UniRef90_UPI0003BF042F UniRef90_UPI0003BF042F UniRef90_UPI0003BF042F UniRef90_UPI0003BF042F UniRef90_UPI0003BF042F UniRef90_UPI0003BC31C1 UniRef90_UPI000392D963 UniRef90_UPI000392D963 UniRef90_UPI00033144A3 UniRef90_UPI00033144A3 UniRef90_UPI00033144A3 UniRef90_UPI00033144A3 UniRef90_UPI0003318001 UniRef90_UPI0003318001 UniRef90_UPI00033383E1 UniRef90_H2MFT4 UniRef90_H2MFT4 UniRef90_H2MFT4 UniRef90_UPI00033383E1 UniRef90_UPI00033383E1 UniRef90_UPI00033383E1 UniRef90_UPI0003506DC3 UniRef90_W5WF74 UniRef90_H2UQA2 UniRef90_USXE94 UniRef90_USXE94 UniRef90_USXE94 UniRef90_USXE94 UniRef90_USXE94 UniRef90_USXE94 UniRef90_USXE94 UniRef90_USXEP5 UniRef90_USXEP1 UniRef90_USXEP2 UniRef | 270 271 272 273 274 275 276 277 277 278 278 277 278 278 279 279 279 279 279 279 270 270 270 270 270 270 270 270 270 270   |
| UniRef90_L9Kl61 UniRef90_L9Kl61 UniRef90_E6ZFC3 UniRef90_B13KJR3 UniRef90_UP10003AF9EFE UniRef90_UP10003B76653 UniRef90_UP10003B76653 UniRef90_UP100046B3768 UniRef90_UP100044B3CE4 UniRef90_UP10004443CE4 UniRef90_UP1000392D0EF UniRef90_UP1000392D0EF UniRef90_UP1000388B479 UniRef90_UP1000388B479 UniRef90_K9XTP8 UniRef90_K9C2H1 UniRef90_R1C2H1 UniRef90_K9WFA6 UniRef90_R9WFA6 UniRef90_UP10003733C65 UniRef90_UP10003735C33 UniRef90_B7KBC9 UniRef90_UP10003725C33 UniRef90_Q2JSS8 UniRef90_Q2JSS8 UniRef90_Q2JSS8   | TYCSKAGCRVTGQALEKFAIIDGEQVVAGSYSFTWLCSQA TFCSRTGRMVVGEMKDKFLLVDLDTVIHGSYR GF NLSFGRLPGSLCNKYMLVDGDKVVISGSYSFTWSDSRL TFCSRTGKMVVGEMKDNFLLVDLEAVIHGNYR TYYSRTGKSFKGQVKSRFVLLDDLEAVIHGNYR TYYSRTGKSFKGQVKSRFLMVDGERVISGSYSFTWSSSYV TYCSKAGRRFTGQTLEKFLLDDCRAVVAGSYSFTWLCSQA FAGQLREKFILDDCEQVVAAGSYSFTWLCSQA TYSAKTGRKLTGQIAESFLLDDCRAVVAGSYSFTWLCSQA TYSAKTGRKLTGQIAESFLIJDDWRFVLLSGSYSFTWLCSSMV GFYMPMG KLKGTLSSKFLMVDGEKVATGSYSFTWLCSSMV TYYSAKTGRKEKFVLDGERVTTGSYSFTWLCSSMV TYYARSGAKLTGQIAESFLIJDDWRFVLLTGSYSFTWLSSMV TYYLRSGAKLTGQIAESFLITDWTEVLTGSYSFTWLCSQV TYYSAKTGRKLTGQVCESFLITDWTEVLTGSYSFTWLCSQV TYYSAKTGRKLTGQVCESFLITDWTEVLTGSYSFTWLCSQV TYYSAKTGRKLTGQVCESFLITDWTTSSHNWSEAANSN PLLEMDADFRYHHKFAVIDNGTVITGSHNWSEAASGN PVLAKGDL LHHKFAVIDNGKTVITGSHNWSEAANSN PVLAKGDL LHHKFAVIDNGKTVITGSHNWSEAANSN PVLAKGDL LHHKFAVIDNGKTVITGSHNWSEAANSN PVLAKGDL LHHKFAVIDNGKTVITGSHNWSEAANNN PLLPMGDR LHHKFAVIDNGKTVITGSHNWSEAANNN PLLPMGDR LHHKFAVIDNGKTVITGSHNWSEAANNN PLLPMGDR LHHKFAVIDNGKTVITGSHNWSEAANNN PLLPMGDR LHHKFAVIDNGKTVITGSHNWSEAANNN PLLPMGDR LHHKFAIIDDGKKUVITGSHNWSEAANNN PLLPMGDR LHHKFAIIDDGKKUVITGSHNWSEAANNN PLLPMGDR LHHKFAIIDDRRFVITTGSHNWSAAANNN PLLPMGDR LHHKFAIIDDRRFVITTGSHNWSAAANNN PLLPMGDR LHHKFAIIDDRRFVITTGSHNWSAAANNN PLLPMGDR LHHKFAIIDDRRFVITTGSHNWSAAANNN PLLPMGDR LHHKFAIIDDRRFVITTGSHNWSAAANNN PLLPMGDR LHHKFAIIDDRRFVITTGSHNWSAAAANNN PLLPMGDR LHHKFAIIDDRRFVITTGSHNWSAAAANNN PLLPMGDR LHHKFAIIDDRRFVITTGSHNWSAAAANNN PLLPMGDR |

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|--|-------------------------------|
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| UniRef90_H5SLQ9  | Q A N G<br>K D N T<br>D L R Q |
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| UniRef90_T0ZDW7  |                               |
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| UniRef90_A6D7M8<br>UniRef90_V7ZIT8<br>UniRef90_A1UW31  |                               |
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| UniRef90_A4BMA7 UniRef90_UPI0003F6C6C4 UniRef90_T1CLH0 UniRef90_D9UUS0   | N G P A                       |
| UniRef90_D4XA66         A S Q S D E P I K G G G T Y V A P P S G S T S V R I L A Q P D R S           UniRef90_F5S6I1         P T Q S A P Q L E A A L L L P D T K S S L Q P S P N K N           UniRef90_UPI0002F42EB7         P L L G E I D E D L D I P E A T G V L A Q V V P S G P G F           | DGYT                          |
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| UniRef90_W7VRD6  | SERQ                          |
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| UniRef90_A6C2B2  |                               |
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|--|--|
| UniRef90_T2JCU7<br>UniRef90_K9YLF1<br>UniRef90_G4FP09<br>UniRef90_K9XW40                           | T N G F I G S I L N K A Q T S I N L A L F V F S D Q K I A N T L E K K N N Q N Y R P I I R Q A I N S A Q N T I D I A I Q D I N L P D L A R A I V S Q Y Q A G L E Q M L I E G I Q S A D E E I L V A V Q E L S L P Q I A Q S L V A A A R R G  |
| UniRef90_K9ST02<br>UniRef90_UPI00034A353C<br>UniRef90_UPI000237F038                                | SNGLIGKTISNADNSIDLALFVFSEQKLV DLLAQAQQKQ<br>SNGLIGKSLSKSQKSANMALFVFAEPKL GNLLEEVHDHN<br>LEAVIIEQINSANTSLDIAVQEINLSELARAIV AKKKQG<br>TKDVWLDMIHHAQHSIDAAVFYLTDKDILDALTERA RAG   |
| UniRef90_F6DHB6<br>UniRef90_Q0I787<br>UniRef90_UPI0002002803<br>UniRef90_H9K7H6                    | A K A R L L A L M D G A R E S L E G A F Y E F R D L E I A Q G L L R A K A R G L E Q M L I D A I Q S A E E E I L V A V Q E L S L P R I A H S L V A A L R R G L E A F V I G A I E A A E Q E V L V A V Q E L S L P S I A Q A L V R Q H R K G L K E I C L K Y I N R A K E S L D I C M Y M L T C Q L L S N A I V N A H K R G  |
| UniRef90_H5SLQ9<br>UniRef90_UPI000378EF49<br>UniRef90_J0PTM7<br>UniRef90_K6BDJ4                    | VDNALITLI DSAQKTLDI AVYRLTAQPVITALQR ACARS<br>SNGI I ASYI QQAQKSVHI AVFVYSDQKI SDTLGEVRD RG<br>PGPVWIQLFDGAKSRI DI GQFYAADMDKVI EHLEAAGKRG<br>EVWRELFDGARERI DI EQFYVADMDKVI ESLGAAGQRG  |
| UniRef90_G8WB79<br>UniRef90_A8G9C0<br>UniRef90_D4DXL3<br>UniRef90_UPl0001D2E128                    | S N G L I G K S L S K S Q K S A N M A L F V F A E P K L G N L L E E V H D H N  L E A V I I E Q I N S A N T S L D I A V Q E I N L S E L A R A I V A K K K Q G  T K D V W L D M I H H A Q H S I D A A V F Y I T D K D I L D A L T E R A R A G  A K A R L L A L M D G A R E S I E G A F Y E F R D L E I A Q G L L R A K A R G  L E Q M L I D A I Q S A E E E I L V A V Q E L S L P R I A H S L V A A L R R G  L E Q M L I D A I Q S A E E E I L V A V Q E L S L P S I A Q A L V R Q H R K G  L K E I C L K Y I N R A K E S L D I C M Y M L T C Q L L S N A I V N A H K R G  V D N A L I T L I D S A Q K T L D I A V Y R L T A Q P V I T A L Q R A C A R S  S N G I I A S Y I Q Q A Q K S V H I A V F V Y S D Q K I S D T L G E V R D R G  P G P V W I Q L F D G A K S R I D I G Q F Y A A D M D K V I E H L E A A G K R G  E V W R E L F D G A R E R I D I E Q F Y V A D M D K V I E S L G A A G G R G  A A E V W Q Q M F D A A R R R I D I E Q F Y V A N Q D G V L A R L R A A G E R G  T A Q V W Q Q M F D A A K T R I D L G Q F Y V A N Q D G V L A R L R A A G E R G  T A E V W Q Q M F A A A R Q R I D I A Q F Y V A N Q D G V L A Q L K A A G E R G  U E R I D L A L L G S A R R S I D L A A Y T L T D R Q I V D A L V D A R R R G  Q D T I V S A I E A A Q H S V A F C L F M P T D A A L R D A C F A A G D R G |
| UniRef90_M4JXD9<br>UniRef90_UPI00016A546E<br>UniRef90_B5ILA9<br>UniRef90_S9NYL7                    | V WI E F D G A Q T R I D I G Q F Y G S V M D T V I E H L E A A G K R G Q I D T I V S A I E A A Q H S V A F C L F M P T D A A L R D A C F A A G D R G L L E N V R Q A R R S I L V A V Q E L S L P R L A E A L V E Q R R K G A W E V W P D N V N G A T P S I D I A E F V L S N R E T V L O A D P G   |
| UniRef90_E4NQ16<br>UniRef90_UPI000262B02F<br>UniRef90_A4CMZ0<br>UniRef90_A0A024RIF7                | TAEVWQQMFAAARQRIDILAQFYVANQDGVLQHLKAAGERG LERIDLALLGSARRSIDLAAFYLLTDRQIVDALVD ARRRG LERIDLALLGSARRSIDLAAFYLLTDRQIVDALVD ARRRG VWIELFDGAQTRIDIGQFYGSVMDTVIEHLEAAGKRG QIDTIVSAIEAAQHSVAFCLFMPTDAAL RDACFAAAGDRG LLENVRQARRSILVAVQELSLPRLAEALVEQRRKGA AWEVWPDMVNGATRSIDLAEFYLSNLETVIQALEAAADRG ITVETLRSADERLFLAGYTLSSARVADALVAAHHRG NLIRSASRSIDLQTYIFDKDALVMDELLAAARRG MEQLYFAMINGARESIYITNYLIPDKDALQTAAM GG EIDTIVAAIAAAKHSVSFCLFMPTDAAL RDACFAAGDRG   |
| UniRef90_T0ZDW7<br>UniRef90_UPI00047AB5B4<br>UniRef90_K1JVX1                                       | I VOVI QTAREHVOLNVY YLSSRSI LSVLSE AVHRG<br>EEI NKARDYVNVEFYI LCSTEVFFRALEQAHRRG<br>ALISDLEAACSSI DMEFYI WHEADKVAASL LKAHERG   |
| UniRef90_S9V342<br>UniRef90_D3A657<br>UniRef90_A9AMH8<br>UniRef90_U1N8M3                           | MEQLYFAMINGARESINININYLIPSQAIQLALQIAAM GGELDTIVAAIAAAKHSVSFCLFMPTDAAL RDACFAAGDRG IVQVIQTAREHVDLNVYYLSSRSILSVLSE AVHRRG EEINKARDYVNVEFYILCSTEVFFRALEQAHRRG ALISDLEAACSSIDMEFYLWHEADKVAASLLKAHERG QYSMWQVTRKCHRRIWITTYYLPNKKLFKALL HAAERG EAFVARALIEAADHTLDLQYYIWHNDKLLFNLIHRAAERG EIDTIVAAIAAAKHSVSFCLFMPTDAAL RDACFAAGDRG EAVRDELQTAERSVRVILPRLNPSESYFQTLVAIARQG  |
| UniRef90_A6D7M8<br>UniRef90_V7ZIT8<br>UniRef90_A1UW31<br>UniRef90_L7GYW9                           | Q D T V E A V R G A Q H S V A F C L F M P T D A A L R D A C F A A G E R G<br>T Q Q T W L A M I N G A K R R I D I A A F Y L S E K P P V L D A L A A R A R A G   |
| UniRef90_F2PFJ9<br>UniRef90_A0A031K267<br>UniRef90_A4BMA7<br>UniRef90_UPI0003F6C6C4                | ALQARI DMI RRAKQTI EVEYFI FSSGKI LVQELVDAAKRG<br>VPDAVLLVKAAERTI DLQYYI WHGDRLLLEAVHEAAQRG<br>TYAAMYEAI SKAKHNVNI ETFI LEDNPLTRDLLAQKHRKG<br>DLI RSATTSI DLQTYI FDEDDASRDELVVAAKRG   |
| UniRef90_T1CLH0<br>UniRef90_D9UUS0<br>UniRef90_D4XA66<br>UniRef90_F5S6I1                           | DLIRSATTSIDLQTYIFDEDDASRDELVVAAAKRG LNLIAGARHSIDVQTYLWSFDDLMLDALLRAAQRG MQTLFRVTLESARERVRISTAYFAPDDYFIDLLCAAAARG VYLTLMSAFESAQKSIHITMAYFVPDPAFIEVLAAAARRG AQIYVLDLLDNAQISLDAQYYLWRDDQLFRKLW QAAERG   |
| UniRef90_UPI0002F42EB7<br>UniRef90_J2KYE9<br>UniRef90_H2IJN9<br>UniRef90_UPI0002EBA3E8             |  |
| UniRef90_A0A024PAV4<br>UniRef90_D0I8Z7<br>UniRef90_D8MQN0<br>UniRef90_C8WVC6                       | I PTPV I R C I TQAVIKTI DI TTYFI PDEDI I MAIL KTAALRG<br>LARI A LIENATHTI DLQYYI FGDDQI VTWRLYEAA GRG  |
| UniRef90_A0A021VW39<br>UniRef90_G8C2I1<br>UniRef90_M1F9P3<br>UniRef90_W7VRD6                       | IKQQALAMIRASRHRLYVDIYECSDPDLLHALL AASRRG<br>INLIRSATHSLDLQTYIFDEDDLVLDELLAAARRG<br>IKSNLVQLIYSSKKIIRISTPYFYPPQDVLNALKTVSQSG<br>CTLFFLNCINNARERVWIASPYFVDVQVMNALQLAAL RG<br>ILQAVTDLIDSARQKIFIASFRIGEDEVLRALLKAVDRLH  |
| UniRef90_W7VND0<br>UniRef90_UPI0003764306<br>UniRef90_B6EI29<br>UniRef90_M1ZCC2<br>UniRef90_E1TH82 | KNAKKTLDIQYYILTQVLLFQAIQQSA ERG<br>LAQRLA LIETAEHTIDIQYYIWTSGHYLASRLLAAADRG<br>LYDSLFTEMEQATHHIHLAFFIIRNDERLKEILLRKRKEG<br>QIDTIVDAIKHAKHSVVFCLFMPTDQPL RDACFAAGDRD  |
| UniRef90_T0C0C5<br>UniRef90_A6C2B2<br>UniRef90_UPI0003A9BBCF                                       | NQLYSAIDGSKEKVWLTVYSWSDSKVAKSLEVACLSG<br>MPEMFESLIHSARHELVITTPYYVPSESMQDALCATAYRG  |
| UniRef90_T1CJR1<br>UniRef90_L0E0Q3<br>UniRef90_K7SY58<br>UniRef90_N9VZZ0                           | I REMIVED I DHAKSTVHLCFYWLADNNGFRDALVRAARRG  |
| UniRef90_J0KFS6<br>UniRef90_UPI000370AF61<br>UniRef90_S9P521<br>UniRef90_V9VSQ7                    | MQLMYHMAITAAERSLDLSVAYFVPDDLTRQLMLDALKRG IIDALEKDILSAQSFCHLEFYIGLVNRIIEALETVAAK G AERSILLMCKAARKRLWIGQSYFTPTSTLLALLVDQAHAG GSMLFFSVITAAQERVWMASPYLVPDQEVLAALKHAALRG RIAAVRN AKSYVLLEYFTW DHDLSGAELRMAADRG  |
| UniRef90_R9PTA1<br>UniRef90_UPI00036B9131<br>UniRef90_G4HMK7<br>UniRef90_A0A014LYB5                | I HEMCFGAISVAKERI WITSPYFIPDEGLYEALKTAAVSG   |
| UniRef90_B8KVF5<br>UniRef90_L5MRR1<br>UniRef90_M1NYZ4<br>UniRef90_M0CGZ0                           | L PT PV I R CLT QAT R S I DIL QI F L WS S D I A G V A V I R H A A E R G L PT PV I R CLT QAT R S I DI VN Y F I P D A D I L M A I K T A A A R G I R N M Y L QA F E R A R D H I WV T T P Y F I P D Q Q I L R V L T E A A E R G L D V V R S A D S R I L L A G Y T F T S E R V A R A L E R A Q R R G  |
| UniRef90_A6ALJ9<br>UniRef90_W7PP53<br>UniRef90_A0A023NU51<br>UniRef90_UPI000373EAD3                | A SL MVQQAI HSARERI WFSSPYFVPDEGVQSMLKLAAING CSLFFVTLIHAARRRLWITTPYFVPDQAVMSALRLAVFRG IYLTLSAIDHAERFVHLTNAYFVDPHLVHALI GAARRG  |
| UniRef90_H5URY2<br>UniRef90_F4C7E2<br>UniRef90_S0JJR7<br>UniRef90_UPI00036A6AD0<br>UniRef90_R9BAC1 | LEEGLYLLS MAERS LDILQYYI MSGRLLFSAVLDAAD RGALDVRLRA I DSAATSI DLQTFLWSSDTAGVAVTRHAAARGLPTPVI RCLTQATRSI DILVNYFILPDADILLMAI KTAAARGLPTPVI RCLTQATRSI DIVNYFILPDADILLMAI KTAAARGLRA ARGLDVVRSADSRI LLAGYTFTSERVARAL ERAQRRGLDVVRSADSRI LLAGYTFTSERVARAL ERAQRRGLAR GASLMVQQAIHSARERI WFSSPYFVPDEGVQSMLKLAAINGCSLFFVTLI HAARRRLWITTPYFVPDAQAVMSALRLAVFRGUYRGLYLTLSAIDHAERFVHLTNAYFVDPHLVHALI GAARRGVRGVRGLYLTLSAIDHAERFVHLTNAYFVDPHLVHALI GAARRGVRGVRGLYLKAIDHAERFVHLTNAYFVDPHLVHALI GAARRGDARRGVRGLYLKAIDHAERFVHLTNAYFVDPHLVHALI GAARRGVRGURGLYLKAIDHAERFVHLTNAYFVDPHLVHALI GAARRGGRNIYMNI NRARKYVYI QAYFIPDEEILAGLL AAARRGGRNIYMNI NRARKYVYI QAYFIPDEEILAGLL KALQNTAKSGMQTLLRVVLETAERVNI ATAYFAPDAFFVELMCAAAARRG   |

| JAMESSED, BLEZYO    R. M. W. Y. L. E. N. Y. S. P. L. S. D. E. S. D. E. S. D. E. S. D. S. D. E. J. N. S. P. J. L. Y. L. R. N. A. G. J. J. J. J. J. L. N. S. D. J. J. Y. L. R. N. A. G. J.   |   |  |
|--|---|--|
| JARRESO LODINAY  V A W R T L L D D D E K A BU V S E G T E S S D I E R F H Q A G F D I R T T D T E V A M I R M I R M I V I E N N V S T M I V E W N I V E N N V S T M I V E W N I V E N N V S T M I V E W N I V E N N V S T M I V E W N I V E N N V S T M I V E W N V S E E A R M I M I V E W N V S E E A R M I W I V E N N V S T M I V E W N V S E E A R M I W I V W I V W I V E N N V S T M I V E W N I V E W N I V E W N I V E W N I V E W N I V E W N I V E W N I V E W N I V E W N I V E W N I V E W N I V E W N I V E W N I V E W N I V E W N I V E W N I V W I V E N N V S T W I V E W N I V W I V W I V E N N V S T W I V E W N I V W I W I  | UniRef00 1817V0                           |  |
| JARREDO (SYLF)  K K V R V V L E N N V N L S L N Q L A D G N A L N R N O L PL L D D F K R D JARREDO (SYLF)  MINREDO (MENONA)  V E V K V L L D P G F A S A L D M WG V V S T O D R N A R P WA K S L D D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K L D R N R P WG K S K L D R N R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N R P WG K S K L D R N  | UniRef90_L0DIX3                           | VAVRILLTDDEKAGDEGSDIERFHQAGIPLRTDRTV   |
| JINGRESO GEFPOOD  VIT V KLY LEEN NYS LEEN S ROER LOR AL RADADO DEN NEWLYS S ELEAR RESIDENCE CONTRIBUTION OF THE CONTRIBUTION O | UniRef90_T2JCU7                           | LSI KTLI DPDFFRYYSEGLDMLGI ALSNNWKENI KTVGVA   |
| Jimenes   Jime   |   | KKVRI VIENNYNLSLNQLGADHGLAILKRNDIPLIDDT  |
| Jimenes   Jime   |   | V   V   OG   FEPEE  RSYSEVII DMWGVAIIR DR <mark>C</mark> N PWK K SII N T VI  |
| Jimprego   P1000037435355  | UniRef90_K9XW40                           |  |
| JARRESO PHODOS 376-03  JARRESO PHODOS 276-03  JARRESO PHODOS 2012-03  JARRESO  | UniRef90_UPI00034A353C                    | II KIVIRII VIMENNYNII IPII INKII INNNH GII IGII I IKSANII IPII I IDDR  |
| JIRRIEGO DODO 2002003  V K V K V K V K V K V K V K V K V K V   | UniRef90_UPI000237F038                    | V Q V R  |
| June 20  |   | VKVKVKVI I FNNYSHHEIDDISRHORORI OSI KAI ADODONGV   |
| Junkage  J   | UniRef90_UPI0002002803                    | VHVKVVLENTYŠSPWSEQHDQLLMALADQNRDGVVSLAGV   |
| JARRED J. JP0000378E-19  JR. REP. J. P. V. D. P. D. E. R. G. P. Y. S. R. A. Y. D. A. E. S. R. F. J. W. Y. R. P. J. T. T. J. J. J. REP. J. REP. J. R. J. R. R. J. R. P. J. T. J. J. J. R. REP. J. R. R. J. R. J. R. J. R. J. R. J. R. J. R. J. R. R. J. | UniRef90_H9K7H6                           | IV L VIRII I IMD R S MACNEA A Q T A IL IF Y R N GII ITII IRIL I  |
| JARREDO JOPTMY  VIET RE L LEE K GIN RIDS LS E A STILLE R L K AL IP NIL T RE LL GARDON MANAGEMENT AND   |   | V D    K V    V D P D F F R Q P Y S K A Y D A K S S R F  |
| JANGERGO JAGGSCO  VIKI R F J L LE E K GILK  N S T P A T LE R A L P NI E LE R I J  JANGERGO JAGGSCO  VIKI R F J L LE E K GILK  VIKI R F J L LE E K GI | UniRef90_J0PTM7                           | IVIKII IRFILI IFFKGIVIR II ISFASTII IF RILIKAII IPNII ITFRILI I  |
| JANGERGO JAGGSCO  VIKI R F JL ME E K GI JI R  JANGERGO JAGGSCO  VIKI R F JL ME E K GI JI R  JANGERGO JAGGSCO  VIKI R F JL L E E K GI K L  JANGERGO JAGGSCO  VIKI R F JL L E E K GI K L  JANGERGO JAGGSCO  JANGERGO JAGGSCO  VIKI R F JL L E E K GI K L  JANGERGO JAGGSCO  VIKI R F JL L E E K GI K L  JANGERGO JAGGSCO  VIKI R F JL L E E K GI K L  JANGERGO JAGGSCO  VIKI R F JL L E E K GI K L  JANGERGO JAGGSCO  VIKI R F JL L E E K GI K L  JANGERGO JAGGSCO  VIKI R J L L E L D A A D L T P D R O R O T O L D A L I G WG D A R  VIKI R J V L V L E C P A A D L T P D R O R O T O L D A L I G WG D A R  VIKI R J V L V L E C P A A D L T P D R O R O T O L D A L I G WG D A R  VIKI R J V R V L L V L J D D L D A L J D A L J D A A J L L A A A L L P N L L L L D A A L L L D A A L L A A G A H E N F S L R L I V A G I L A A L L L D A A L L L L  | UniRef90_K6BDJ4                           | VQI RFLLEEKGLKLSDPNT   |
| Jinkelgo D-40XL3 Discrete Service Serv |   | VKI RFI MFFKGI R I STPFTI F OI KAI PNI FI RI I   |
| Junkardo D. MALXODO Junkardo D. PUDIODO GAS46E JUNKARDO D. SELLAD JUNKARDO D. PUDIODO GAS46E JUN | UniRef90_D4DXL3                           |  |
| Jinkergo D. UP100016A5-6E  |   | VIAI RI V L D P G Q N H A V D L L R G L A E D V R M K T P G  |
| Junkergo Senvice    Vik Vir X V L   A E E K F A K T Y P E T   B R L A D R K F Q I T V V A V V A D Junkergo Senvice   Vik Vir X V L A E K F A K T Y P E T   B R L A D R K F Q I T V V A V V A D Junkergo Adomization   Vik Vir X V L A E K F A K T Y P E T   B R L A D R K F Q I T V X V Y A P A T Junkergo Adomization   Vik Vir X V L A E K F A K T Y P E T   B R L A D R K F Q I T V X V Y A P A R Junkergo Adomization   Vik Vir X V L A E K F A K T Y P E T   B R L A D R K F Q I T V X V Y A P A R Junkergo Adomization   Vik Vir X V L A E K F A K T Y P E T   B R L A D R R X Y F O G F L K A G L Junkergo Adomization   Vik Vir X V L A E K F A K T Y P E T   B R L A D R R X Y F O G F L K A G L Junkergo Adomization   Vik Vir X V L A E K F A K T Y P E T   B R L A D R R X Y F O G F L K A G L Junkergo Adomization   Vik Vir X V L A E K F A K T Y P E T   B R L A L A L L L L L D D R X T N A M L A M M F G L V Y N P A R A D A R Junkergo Adomization   Vik Vir X V L A E K F A K T Y P E T   B R L A K A N P A R Junkergo Adomization   Vik Vir X V L A E K F A K T Y P E T   B R L A K A N P A R JUNKERGO Adomization   Vik Vir X V L A E K F A K T Y P E T   B R L A K A N P A R JUNKERGO Adomization   Vik Vir X V L A E K F A K T Y P E T   B R L A K A N P A R JUNKERGO Adomization   Vik Vir X V L A E K F A K T Y P E T   B R L A K A N P A R JUNKERGO Adomization   Vik Vir X L L L L D D N N T N A G L A A R D A R JUNKERGO Adomization   Vik Vir X L L L L D D N N T N A G L A A R D A R JUNKERGO Adomization   Vik Vir X L L L L D D N N T N A G L A A R D A R JUNKERGO Adomization   Vik Vir X L L L L D D N N T N A G L A A R D A R JUNKERGO Adomization   Vik Vir X L L L L D D N N T N A G L A R D A R JUNKERGO Adomization   Vik Vir X L L L L D D N N T N A G L A R D A R JUNKERGO Adomization   Vik Vir X L L L L D D N N T N A G L A R D A R JUNKERGO Adomization   Vik Vir X L L L L D D N N T N A G L A R D A R JUNKERGO Adomization   Vik Vir X L L L L D D N N T N A G L A R D A R JUNKERGO Adomization   Vik Vir X L L L L D D N N T N A G L A R JUNKERGO ADOMIZATION   Vik Vir X L L  |   | I MMRUSUDSQONGUAUDAATUANUEUYHRGRDH RDVIDA  |
| Junkeley Service    Vik Vik Vik Vik Lik E & F.A. & K.T. Y. P.E. T. L. B.R. L. A. L. D. R. A. & G. V. Y. A. & C. J. A. & G. V. Y. A. & C. J. A. & G. V. Y. A. & C. J. A. & G. V. Y. A. & C. J. A. & G. V. Y. A. & C. J. A. & G. V. Y. A. & C. J. A. & G. V. Y. A. & C. J. A. & G. V. Y. A. & C. J. A. & G. V. Y. A. & G. J. J. A. & G. V. Y. A. & G. J. J. A. & G. V. Y. A. & G. J. J. A. & G. J. A. & G. V. Y. A. & G. J. J. A. & G. V. Y. A. & G. J. J. A. A. & G. J. J. A. & G. J. A. & G. J. J. A. A. & G. J. J. A. & G. J. J. A. & G. J. J. A.  | UniRef90_B5ILA9                           | VRVQVVLEEQHAAADLTPHQRQRQTQLQALGWGDAVALGGV  |
| Junkergo   Address   Add   | UniRef90_S9NYL7                           | IVIKIVIRIV I IA F F K F A K T Y P F T II I F R II I A K R P G II I T I V I R   |
| Junkergo   Address   Add   | UniRef90_E4NQ16<br>UniRef90_UPI000262B02F | VKVRVLIDQLSA ISDLQILGALAGAHENFSLRIYNPT   |
| JINGE990   | UniRef90_A4CMZ0                           | IVIDIVIRII I I I SORTOSRII VITW <mark>CI</mark> VIRSVEOOFII IKAGII I   |
| JINGE990   | UniRef90_A0A024RIF7                       | LIMMFGLVINRUNAGSSLDAATLANLELLYHRRRDH RDVIDA  |
| JINGE990   | UniRef90_102DW7<br>UniRef90_UPI00047AB5B4 | VKVRV LED HIG SERVIP GYRRTEAREN NIGELE WRK MIDPILO   |
| JARGES J. JARGES | UniRef90_K1JVX1                           | VRVRI L VD D F G S R A F L K S D R N A G L E V A K A M P M R L L H F F G   |
| Jinkergo Janahasia Jinkergo Jana |   | VDVRLL SGSNKTTDPWWMWHASNYIITDRLLJAGV   |
| JAIRGESO JORDANS  V K V K I V V G D K T A N D F Y I S P E E Y E M N I R F A K A N E A H I A S R JAIRGESO ATUWAS  JAIRGESO JORGAN  V K V K I V V G D K T A N D F Y I S P E E Y E M N I R F A K A N E A H I A S R JAIRGESO ATUWAS  JAIRGESO JORGAN  V K V K I V V G D K T A N D F Y I S P E E Y E M N I R F A K A N E A H I A S R JAIRGESO ATUWAS  JAIRGESO JORGAN  V K V K I V V G D K T A N D F Y I S P E E Y E M N I R F A K A N E A H I A S R JAIRGESO ATURA  JAIRGESO ATURA  V K V K I V V G D K T A N D F Y I S P E E Y E M N I R F A K A N E A H I A S R JAIRGESO ATURA  JAIRGESO ATURA  V K V K I V V G D K T A N D F Y I S P E E Y E M N I R F A K A N E A H I A S R JAIRGESO ATURA  V K V K I V V G V K V I V I D D A A I A D T I D A A R I A N I E I V R V R V I A A D I D I D A A I A D T I D A A R I A N I E V R V R V I A A D I D T I D A A I A D T I A A I A G V I A T I A D I D T I A T  | UniRef90_A9AMH8                           | L MMF GL VNRQQAGQSLDAATLANLELIYHRRRDHRDVIDAA   |
| JAIRGE90 VZZTR JAIRGE90 L72TW9 V T V R IL L D D N G L A G A L N A P D S V A W L G K W P G II T V R V L L D D N G L A G A L N A R R N L G L R L E P R P R L R Y P N A A L N R L S G V R L L L D D N G L A G A L N A R R N L G R R L L E P R P R L R Y P N A A A R N L R N L S G V R L L L D D N G L A G A L N A R R N L G V R L L L D D N G L A G A L N A R R N L G V R L L E P N P II D P A G C V R V R L L L D D N G L A G A L N A R R N L G V R L L E P N P II D P A G C V R V R L L L D D N G L A G A L N A R N L G V R L L E P N P II D P A G C V R V R L L L D D N N T M G R S P V P F R R L R Y P N L Q L R R T V A G C V R V R L L L D D N N T M G R S P V P F R R L R Y P N L Q L R R T V A G C V R V R L L L D D N N T M G R S P V P R T R V R V R L R R N L G V R L L L D D N N T M G R T R V R V R L L L D D N N T M G R T R V R V R L L L D D N N T M G R T R V R V R L L L D D N N T M G R T R V R V R L L L D D N N T M G R T R V R V R L L L D D N N T M G R T R V R V R L L L D D N N T M G R T R V R V R L L L L D D N N T M G R T R V R V R V R L L L L D D N N T M G R V R V R L L L L D D N N T M G R V R V R L L L L D D N N T M G R V R V R L L L L D D N N T M G R V R V R L L L L D D N N T M G R V R V R L L L L D D N N T M G R V R V R L L L L D D N N T M G R V R V R V R L L L L D D N N T M G R V R V R L L L L D D N N T M G R V R V R V R L L L L D D N N T M G R V R V R V R L L L L D D N N R V R E R T R V R V R V R L L R R R V R V R L L L L  | UniRef90_U1N8M3                           | V S V K I L L S N A WY D A R G N E A L V E Q V T E L H A Q G V   |
| JniRei90 A1UW31 JniRei90 A1UW31 JniRei90 F2PFJ9 JniRei90 F2PFJ9 JniRei90 A00031K267 JniRei90 B61021 JniRei90 B61021 JniRei90 B61029 JniRei90 B6102 |   | VKVKI VVGDKIANDFYISPEEYEMNLRRFAKANEA <mark>H</mark> IASR   |
| Jinke900   | UniRef90_A1UW31                           | L   M M F G   L V   N A   I   S A R G T   L   D A A R   L   A N   L   E   L   Y H R S R S N R D   V I   D A              |
| JAIRGE90_A0A031K267 JAIRGE90_A0BMA7 JAIRGE90_A0A031K267 JAIRGE90_A0A031K267 JAIRGE90_A0A031K267 JAIRGE90_A0A031K267 JAIRGE90_A0A031K267 JAIRGE90_A0A031K267 JAIRGE90_A0A031K266 JAIRGE90_A0A031K266 JAIRGE90_A0A031K266 JAIRGE90_A0A031K266 JAIRGE90_A0A031K266 JAIRGE90_A0A031K266 JAIRGE90_A0A031K266 JAIRGE90_A0A031K266 JAIRGE90_A0A0024PAV4 JAIRGE90 | UniRef90_L7GYW9                           | IVITIVIHIL L VID H S   FIL IA K N P D SIVIA WIL IG KIVIP GII ITIVIRIV L I  |
| Jinkef90   |   | VIVIVIRII LI DIN SIA I VIFEFDEFYA EGLIK PYGILEVIR YYN A A  |
| Jinkef90   | UniRef90_A4BMA7                           | ILIEII INIL I IY D S Y G S PIVIF F E RILIR K A GII IRIL LIE F N PII ID PILIAII I   |
| Jinkef90   | UniRef90_UPI0003F6C6C4                    | VHVRI LMDQLSA DUKKRVETLAALAGVHAANLQARLY N  |
| Jinkef90   |   | VRVELTA DQLIFS F P NVG TLIA HLIHVRLIY N P T F D E A R TV A GL  |
| JAIRE690_JENO2542EB7 JAIRE690_JENO2542EB7 JAIRE690_JENO25EBA3E8 JA | UniRef90_D4XA66                           |  |
| Jurikef90 JURYE9 JURYE90 JURYE9 JURIKEf90 JURYE9 JURYE90 JURYE9 JURIKEf90  | UniRef90_F5S6I1                           | V R V R L L L D D N N T H G  |
| Jurike190  |   | VRI RI I I D D F N T S G K N A OV I K I A F F K N F F I R I F N P I P G G R  |
| JniRef90_00827  JniRef90_00827  VR VR L L L D D M QR R D D T VMA R LE N P F L L RE S R P JniRef90_08WC6  VE VR V L L L D D N N L D E T L S Q L S K H N L E L R L F N P F S F R T L R A L JniRef90_A0A021VW39  JniRef90_A0A021VW39  JniRef90_M159P3  JniRef90_W159P3  JniRef90_W159P3  JniRef90_W159P3  JniRef90_W159P3  VR V R L L L D Q L A A L D T L A A L S G VHV N F E V K L Y N P V L H R A R I D T L A A L S G VHV N F E V K L Y N P V L H R A R I D T L A A L S G V H V N F E V K L Y N P V L A A L S G V M R V L L A L N S P Y P Q V D L A L S V R L L L L D D N N L N E R L R N R V L L L D N N L N E R L R N R V L L L D D N L R R A S R L R N R V L L L D A G L R R R N R V L L L L L L L L L L L L L L L L L L   | UniRef90_H2IJN9                           | VRI RI I I D D M O K R N D K M M A A M N A H P N I F I R I F N P H   |
| JniRef90_D08Z7 JniRef90_D8MQN0 JniRef90_D8MQN0 JniRef90_D8MQN0 JniRef90_C8WU66 JniRef90_G8C211 JniRef90_G8C211 JniRef90_G8C211 JniRef90_G8C211 JniRef90_M15P93 JniRef90_W1VRD6 GR_VY_V_V_D_D_REF_D_REF_D_REF_T_REF_D_REF_T_REF_D_REF |   | V L V E L I I P K K N D S L L V N WA S K S F F S E L L D A G V   |
| JniRef90_C8WVC6  | UniRef90_A0A024FAV4                       | V R V R L L DDMORRDDT V MA   R L SMHPNR L FNPH L R L SRP   |
| Jnikef90   | UniRef90_D8MQN0                           |  |
| Jnikef90   |   | VEVRVVLDA TEKHSMALIALPTLAKA  |
| Jnikef90   | UniRef90_G8C2I1                           | VKVQI I L PKEADLKDKVLRVHRKVLTNFLTENI   |
| JniRef90 B6E129  | UniRef90_M1F9P3                           | DVRILLIPEKS DSRIIGLAAYSYLVQACQAGU  |
| JAIRE190   |   | VRVRL L LDDNNTKGALDKHSNI EVRLIYNPN KYROLIRSI   |
| JAIRE190   | UniRef90_B6EI29                           | VKVRVMLDDDINLNER EDLLIALNSHPQVDIRIF N  |
| JniRef90   | UniRef90_M1ZCC2                           | VEVEVER I Y D DVG N R R Y K E E L Q R A GVE I Y P F L P V T  |
| JniRef90   | UniRef90_T0C0C5                           | V D V K V V L H P  N L R K N S R V N D Y A T A    E D A G C  |
| JniRef90_J0KFS6 JniRef90_UP1000370AF61 JniRef90_S9P521 JniRef90_V9VSQ7 JniRef90_UP10003689131 JniRef90_UP10003689131 JniRef90_G4HMK7 JniRef90_G4HMK7 JniRef90_A0A014LYB5 JniRef90_B8KVF5 JniRef90_B8KVF5 JniRef90_M1NYZ4 JniRef90_M1NYZ4 JniRef90_M1NYZ4 JniRef90_M1NYZ4 JniRef90_M0CGZ0 JniRe | UniRef90_A6C2B2                           | VIDIT KILLI E PARNDSRILVIGAASHSVVE EILLIEAGIVI   |
| JniRef90_J0KFS6 JniRef90_UP1000370AF61 JniRef90_S9P521 JniRef90_V9VSQ7 JniRef90_UP10003689131 JniRef90_UP10003689131 JniRef90_G4HMK7 JniRef90_G4HMK7 JniRef90_A0A014LYB5 JniRef90_B8KVF5 JniRef90_B8KVF5 JniRef90_M1NYZ4 JniRef90_M1NYZ4 JniRef90_M1NYZ4 JniRef90_M1NYZ4 JniRef90_M0CGZ0 JniRe |   | VITVRILIADO FIA A HARSSPHILHIRII VNPTEDEARTA A GII   |
| JniRef90_J0KFS6 JniRef90_UP1000370AF61 JniRef90_S9P521 JniRef90_V9VSQ7 JniRef90_UP10003689131 JniRef90_UP10003689131 JniRef90_G4HMK7 JniRef90_G4HMK7 JniRef90_A0A014LYB5 JniRef90_B8KVF5 JniRef90_B8KVF5 JniRef90_M1NYZ4 JniRef90_M1NYZ4 JniRef90_M1NYZ4 JniRef90_M1NYZ4 JniRef90_M0CGZ0 JniRe | UniRef90_L0E0Q3                           | VDVRVLTD GIGARYSR RSMLRHLRRLGVRTAAFL   |
| JniRef90_J0KFS6 JniRef90_UP1000370AF61 JniRef90_S9P521 JniRef90_V9VSQ7 JniRef90_UP10003689131 JniRef90_UP10003689131 JniRef90_G4HMK7 JniRef90_G4HMK7 JniRef90_A0A014LYB5 JniRef90_B8KVF5 JniRef90_B8KVF5 JniRef90_M1NYZ4 JniRef90_M1NYZ4 JniRef90_M1NYZ4 JniRef90_M1NYZ4 JniRef90_M0CGZ0 JniRe | UniRef90_K7SY58                           | VEVRVL VD GI GSGYFRCALERRIGVKCSRFMHSV  |
| Direction   Dire   |   | V R I R I I T P G G P H T D T F T V K A A S R A T W G P I I F A G A F I  |
| Direction   Dire   | UniRef90_UPI000370AF61                    | VECRLMUDAVGSSPFFSTKECQRUKDVGVIMVKACPUNMT   |
| Direction   Dire   | UniRef90_S9P521                           | V D T R V L T P G D K N D Q P V L T A F Q R R S Y P D L A T A G V  |
| JniRef90_M0CGZ0  | UniRef90_V9VSQ7<br>UniRef90_R9PTA1        | VKVKL VLD DL DEFNDMWLRTLAAHONDEIIRIAAROII  |
| JniRef90_M0CGZ0  | UniRef90_UPI00036B9131                    | VRVRLLVDEDEVFSTLSAFPNLEVRLFNPLPSRADSLATR   |
| JniRef90_M0CGZ0  | UniRef90_G4HMK7                           | V D V K V R I I I D D N N D O T D S A D S R L V K L A S L S Y V E E L L A A G V  |
| JniRef90_M0CGZ0  | UniRef90_A0A014L1B5                       | VRVRI LIDDT FLTGRDRTLLQFADHERIAFRVYRGII  |
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| JniRef90_F4C7E2       V   E   V   R F   I   Y D H F G S R S F S D E L A A A G V   E V Y P F H K I T F L L L A N R         JniRef90_S0JJR7       V D V R I L M P G I P D K Q I V Y WI S Q S Y Y E P L L E C G V         JniRef90_UP100036A6AD0       V E V E L L P G P H T D K R V C Q L A G Q L Y Y E Q L T A C G V         JniRef90_R9BAC1       V K V R M L I D D N N A G K Y L A L A Q H R N I D V K L Y N P Y G F R N F R A M  | UniRef90_H5URY2                           | V D V R V I V P E Y S N H V V A D W A R G Y F G R L L E G G  |
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| INTERIOR CASCAPTOR  INTERIOR CASTOR  INT | UniRef90_L8LZY0                           | PII TEDGSKGSGIMHHKFMVI DNKTVVITGSANFTISGIHN   |
| Intered D. (1970) Intered D. ( | UniRef90_L0DIX3<br>UniRef90 T2JCU7        | NIL IP Q G D KIL IH H K F A IV I ID D NII I I IT G S H N W S A S A N H N  |
| Interest   | UniRef90_K9YLF1                           | E   |
| Interest   Program   Pro   | UniRef90_G4FP09<br>UniRef90_K9XW40        | GII IA QIL VIK G D KIL I <mark>H H</mark> K F A IV I ID R N T IV I IT G S <mark>H</mark> N W S E A A N Y N  |
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| Jinkergo Jzkye9 Jzky |   | PFLHRKWRRLNRRMHNKAMI ADNRASI VGGRNLGYFDVQN<br>RIFQYHSPTV LHAKFI LVDDEVTV I GSSNMDESFSI N  |
| Jinkef90   | UniRef90_J2KYE9                           | G S M V K D A A R M Q R R M H N K I  F V A D N A V A I  T G G R N L  G E T Y F T N  |
| Jinkergo   |   | QYFAIDFDRLINRRMHNKSILVADSVAAVVGGRNIIGNEYFSF<br>RITYOFDG GILLHTKSIVVIDOQY <mark>C</mark> LIIGSVINLDMRSILWLI  |
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| JniRef90 R9BAC1 DIL LDLK RVN R R M H N K S FILA D N OILAL I G G R N M S N S D H Y O  | UniRef90_S0JJR7                           | RIY QFNPGFLHAKCFVCDDEVAVVGSVNLDYRSLYL   |
|  | UniRef90_UPI00036A6AD0<br>UniRef90_R9BAC1 | DI L LDLK RVN R R MHN K S F L A D N QI AL I G G R N M S N S D H Y Q   |

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Unitarido Lodox

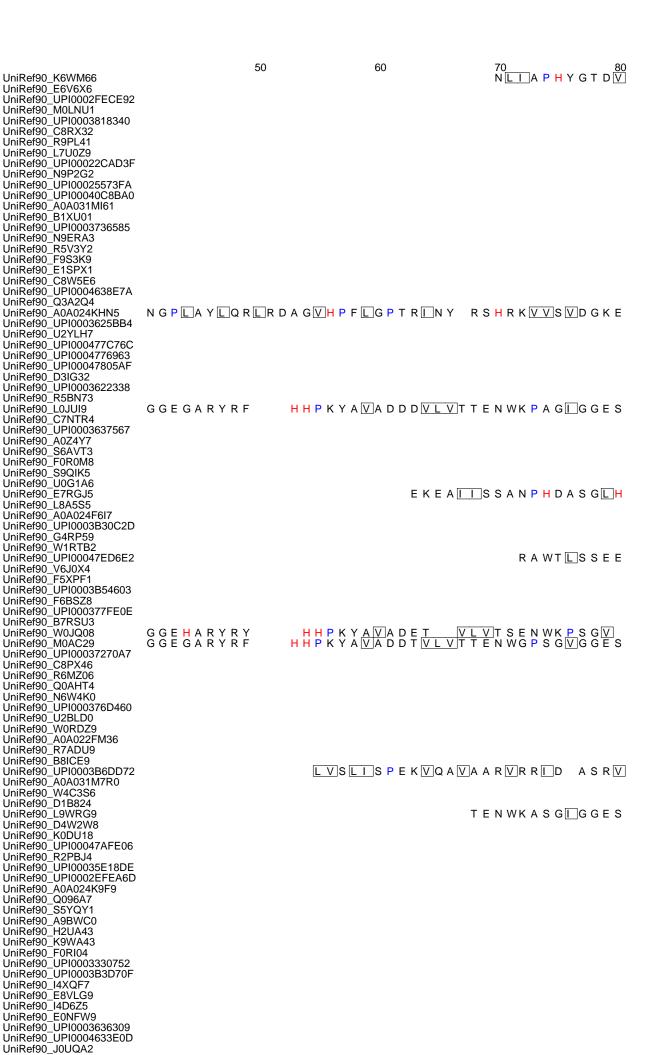
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| UniRef90_B8ICE9 UniRef90_Upl0003B6DD72 UniRef90_A0A031M7R0 UniRef90_W4C3S6 UniRef90_D1B824   | UniRef90_W0RD29<br>UniRef90_A0A022FM36<br>UniRef90_R7ADU9        | A I P K L V H L L D S A Q R E L A L V S P Y F V P N A T A V D W L A G M A R R G  K M F I E E L V K A K D F I F M E F F I I N K N T I L Q I L L D K A S E G  |
| UniRef90_W4C3S6 UniRef90_D1B824  I Q E M C F G A I S V A C D R I Y I T T P Y F I P D P A L Y E A L K T A A V S G L K H A Y L A A M G A C R E R L W L T T P Y L V P G M E V M E A M R T A A M R G   | UniRef90_B8ICE9<br>UniRef90_UPI0003B6DD72<br>UniRef90_A0A031M7R0 | LEFVVLAALATARRSI RLATPYFLPSEL LITSLALAAMRG TEQALLQVINSAEQSLFI TSFVAYDVSTI VKALNAASDRG RTAERTLDVQYYI WHGDTLLLEELHAAADRG  |
| UniRef90 L9WRG9 AEGRLGELLASADDEILIQASIAADVSLLQEAIDAA RRG   | UniRef90_W4C3S6<br>UniRef90_D1B824<br>UniRef90_L9WRG9            | QEMCFGAISVACDRI YI TTPYFIPDPAL YEALKTA AVSG<br>LKHAYLAAMGACRERL WLTTPYL VPGMEVMEAMRTA AMRG<br>AFGRI GELLASADDELLI QASILAADVSI LOFAIDAA PRO  |
| UniRef90_D4W2W8  VLIDAIKNAQEFIFIEYYLFNSDDIGMEVINALKERG UniRef90_K0DU18  PMQRLGELMKDAHKDFLIVSPYFVPHDAGVKTLGELTHRG   | UniRef90_D4W2W8 UniRef90_K0DU18                                  | VL IDAIKNA QEFI FI EYYLFNS DDLGMEVI NALKERG<br>PMQRLGELMKDAHKDFLI VS PYFVPHDAGVKTLGELTHRG   |
| UniRef90_UPI00035E18DE <u>M</u> R  L M <u>A</u> D <u>A</u> V DRARDY V <mark>HF</mark> EFY  <u>LV A L</u>  DDASRP LL E <u>R</u> A <u>H</u> RRG  | UniRef90_UPI00035E18DE   | IKDGFVRLI LAAEKSVWIQSPYLVPDETMISAI LIAVRSG<br>MR LMADAVDRARDYVHFEFYLVAIDDASRPLLERAHRRG  |
| UniRef90_UPI0002EFEA6D       I K N G Y L K L I N M A K K Y I Y I Q T P Y F I P D S S F M D S L R I A C L S G         UniRef90_A0A024K9F9       I E Q M V A D M D A A T D H V H V L F Y W L A D N N G L K E A L K R A A R R G         UniRef90_Q096A7       A E R M V R V V I G S A R K R L W I A N A Y F T P P N I M E Q L I H K A H E G         UniRef90_S5YQY1       D A L V D A M D Q A E D H I H I L F Y I W T S G R K V A E A T I R A A G R G   | UniRef90_A0A024K9F9  | I K N G Y L K L I N M A K K Y I Y I Q T P Y F I P D S S F M D S L R I A C L S G L E Q M V A D M D A A T D H V H V L F Y W L A D N N G L K E A L K R A A R R G A E R M V R V V I G S A R K R L W I A N A Y F T P P N I M E O L I H K A H F G |
| HINREYO AYRWCO I FIDAILIFAIVINAARHHIIHIIFYYIIFFPDOIDIRDILIRDILIIORARAG   | UniRef90_S5YQY1<br>UniRef90_A9BWC0                               |   |
| UniRef90 K9WA43 TYAVRIEALIRSAROTI HEETEYMTANDEAAAI OERA OAG  | UniRef90_K9WA43<br>UniRef90_F0RI04                               | TY AVRLEAI RSARQTI HFET FYMTANDFAAALQERA QAG DSIFDALQKAEKYI HLQYYIFSKGELFYTI LKDKINSG   |
| UniRef90_F0RI04  UniRef90_UPI0003330752  UniRef90_UPI0003B3D70F  UniRef90_UPI0003B3D70F  UniRef90_UPI0003B3D70F  A   D R   V H A   D R A T D H V H V M F Y L W A S G T K   A E A   M R A E S R G  UniRef90_LAXQF7    L Q S L V R A L N S G H R R   WL A T P Y F L P T W K V R R S L R R A A G R G  | UniRef90_UPI0003B3D70F<br>UniRef90_I4XQF7                        | AIDRLVHAIDRATDHVHVMFYLWASGTKIAEAIMRAESRG<br>LQSLVRALNSGHRRIWLATPYFLPTWKVRRSLRRAAGRG   |
| UniRef90_E8VLG9  | UniRef90_E8VLG9<br>UniRef90_I4D6Z5                               | KALLIQALIENA QSSI RMVIFYI WHPA DSIVA SALLI QA A KRG   |
| UniRef90_EONFW9         F K K L F Q D L R G A Q H H I N I E Y F T I Y D D D L L R E I L V K K A R E G           UniRef90_UPI0003636309         T R L A L C R L A T R S L D V Q Y Y L L Q S D H T G R T L L R D A A A R G           UniRef90_UPI0004633E0D         A L D A I A A A R H H I H L Q Y Y I W T P D R T F L E A L V E R A R A G           UniRef90_JOUQA2         Q K T L D V Q Y Y L W T T G T L M L G M L M Q A A E R G  | UniRef90_UPI0003636309<br>UniRef90_UPI0004633E0D                 | TR LACREATRSLDVQYYLLQSDHTGRTLLRDAAARG ALLDALAAARHII HLQYYI WTPDRTFLEALVERARAG   |

UniRef90\_K6WM66 UniRef90\_E6V6X6 UniRef90\_UPI0002FECE92 UniRef90\_M0LNU1 UniRef90\_UPI0003818340 UniRef90\_R9PL41 UniRef90\_L7U0Z9 UniRef90\_UPI00022CAD3F UniRef90\_N9P2G2 UniRef90\_UPI00025573FA UniRef90\_UPI00040C8BA0 UniRef90\_A0A031MI61 UniRef90\_B1XU01 UniRef90\_UPI0003736585 UniRef90\_N9ERA3 UniRef90\_R5V3Y2 UniRef90\_F9S3K9 UniRef90\_E1SPX1 UniRef90\_C8W5E6 UniRef90\_UP10004638E7A UniRef90\_Q3A2Q4 UniRef90\_A0A024KHN5 UniRef90\_UPl0003625BB4 UniRef90\_U2YLH7 UniRef90\_U2YLH7
UniRef90\_UPI000477C76C
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UniRef90\_UPI0003622338
UniRef90\_UPI0003622338
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UniRef90\_C7NTR4
UniRef90\_UPI0003637567
UniRef90\_UPI0003637567
UniRef90\_A0Z4Y7
UniRef90\_S6AVT3
UniRef90\_F0R0M8
UniRef90\_S9QIK5
UniRef90\_U0G1A6
UniRef90\_E7RGJ5
UniRef90\_LBASS5 UniRef90\_L8A5S5 UniRef90\_A0A024F6I7 UniRef90\_UPI0003B30C2D UniRef90\_G4RP59 UniRef90\_W1RTB2 UniRef90\_UPI00047ED6E2 UniRef90\_V6J0X4 UniRef90\_F5XPF1 UniRef90\_UPI0003B54603 UniRef90\_F6BSZ8 UniRef90\_UPI000377FE0E UniRef90\_B7RSU3 UniRef90 W0JQ08 UniRef90\_M0AC29 UniRef90\_WPI00037270A7 UniRef90\_C8PX46 UniRef90\_R6MZ06 UniRef90\_Q0AHT4 UniRef90\_Q0AHT4
UniRef90\_Q0AHT4
UniRef90\_UPI000376D460
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UniRef90\_UPI00047AFE06
UniRef90\_R2PBJ4 CDARDA RODDDRKDRDHDRQ8EE8EDDERRQR UniRef90\_R2PBJ4 UniRef90\_UPI00035E18DE UniRef90\_UPI0002EFEA6D UniRef90\_A0A024K9F9 UniRef90\_Q096A7 UniRef90\_S5YQY1 UniRef90\_A9BWC0 UniRef90\_H2UA43 UniRef90\_K9WA43 UniRef90\_F0RI04 UniRef90\_UPI0003330752 UniRef90\_UPI0003B3D70F UniRef90\_I4XQF7 UniRef90\_E8VLG9 UniRef90\_I4D6Z5 UniRef90\_E0NFW9 UniRef90\_UPI0003636309 UniRef90\_UPI0004633E0D

UniRef90\_J0UQA2

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| JAMES   DIPLOSOFFECES    STATE   STA   |  |  |
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| Interest   | UniRef90 K6WM66                                  | 250 260 270 280<br>RILHRYPAPEIVI I HAKEI TIVD DEIVIAIVI GSSN MD MRSEGII  |
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| Image  |  | PFYDRTFRRLNSRMHNKSLTIDGLITVVGGRNUGFSAKDD   |
| The Wildle   | UniRef90 UPI00022CAD3F                           | L I  M L L  R L V  S I  N  |
| June      | UniRef90_N9P2G2                                  | DYGFRM KK V NHRMHNK LII ADGIAA V IGGRNFDASEDFQ   |
| June 1999   AQAQASIM61   |  | KILYOFND GILI <mark>H</mark> TKSILLIDNSIVIAILVIGTIVINDMRSFTILIN  |
| JARRISON DIPLOMO3736683  G. R. F. R. R. D. D. L. R. N. G. E. D. H. R. K. A. IV. V. D. G. K. V. G. F. W. G. S. F. N. II. H. V. K. A. G. R. O. J. R. W. J. R. S. J. R. W. J. R. S. W. J. R. S. R. J. J. W. J. R. S. R. J. J. W. J. R. S. R. J. J. R. R. J. J. R. S. R. J. J. R. R. J. J. R. S. R. J. J. R. R. J. J. R. S. R. J. J. R. R. J. J. R. S. R. J. J. R. R. J. J. R. S. R. J. J. R. R. J. R. J. R. S. R. J. J. R. R. J. R. J. R. S. R. J. J. R. S. R. J. J. R. R. J. R. J. R. S. R. J. J. R. S. R. J. R. J. R. S. R. S. R. S. R. J. R. J. R. S. R. S. R. J. R. J. R. S. R. S. R. J. R. J. R. S. R. S. R. S. R. J. R. S. R. S. R. J. R. S.  | UniRef90_A0A031MI61                              | PVRLLRAQRIDIRLHRKLIVIDDLIAYTGSMNMADPAHFK   |
| Junkerson   Reversor   P. M. G. M. F. F. S. L. N. L. N. P. R. N. H. R. K. M. T. I. J. D. G. K. J. A. Y. G. G. S. N. M. M. D. R. F. G. F. K. M. M. R. S. G. G. S. M. M. M. M. R. S. F. G. F. K. M. M. R. S. G. G. G. M. M. M. M. R. S. F. G. F. K. M. M. M. G. G. G. M. M. M. M. R. S. F. G. G. G. M. M. M. M. R. S. F. G. G. G. M. M. M. M. R. S. F. G. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. M.   | UniRef90_B1XU01                                  | PIQI F Q F R R A DLRLHRKI FV VDGSI VWT G S M N M Q D S GV G E  |
| Junkerson   Reversor   P. M. G. M. F. F. S. L. N. L. N. P. R. N. H. R. K. M. T. I. J. D. G. K. J. A. Y. G. G. S. N. M. M. D. R. F. G. F. K. M. M. R. S. G. G. S. M. M. M. M. R. S. F. G. F. K. M. M. R. S. G. G. G. M. M. M. M. R. S. F. G. F. K. M. M. M. G. G. G. M. M. M. M. R. S. F. G. G. G. M. M. M. M. R. S. F. G. G. G. M. M. M. M. R. S. F. G. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. F. G. M. M. M. M. M. R. S. M.   | UniRef90_N9ERA3                                  | DV RWCNTQGEQCHSKMIVKRNAQLILGSANFTARNLKN  |
| Jimeres   Service   Serv   | UniRef90_R5V3Y2                                  | PMGMFFSILINILINFRNHRKMTII I IDGKII IAY <mark>C</mark> GGTNII IKKDRFGF  |
| Junkergo   Directors   Direc   |  | NI Y REKGGI I HTKSI I I DDDHCI I GTVN MDI RSI KN   |
| Junkerson 20,032,024  MF E AL JUN D S R V JO R R M H N K LETV V D N T I V AL I G G RN J G D E Y F EV N JUNKERSON DIPOSOSSESSES  JUNKERSON DIPOSOMO 770-566  JUNKERSON DIPO | UniRef90_C8W5E6                                  | KIVIYILI Y Q K G F II IH A KII L L VID GIV VIA SIVIG T A N M M R S F A L IN  |
| June      |  | PFRPMVSSVQNNRDHRKI VIIDGHTAFNGGINRKERFGH   |
| Junkergo U.Polo036258B8  |  | R VII IA G E II I <mark>H</mark> E K II I I V ID D T II IA G IV IG T IV IN E D N S E T II IN   |
| Jankers D. Product 776962 S. H. V. V. D. S. K. J. V. J. S. N. Jankers D. Product 776962 S. H. V. J. M. V. D. S. K. J. V. J. S. N. Jankers D. Droduct 776962 S. J. J. R. V. J. W. J. S. K. J. V. J. D. S. K. J. V. J. S. K. J. S. K. J. V. J. J. S. K. J. V. J. J. S. K. J. V. J. S.  | UniRef90_UPI0003625BB4                           | RUS WR LAFFNLRTHRKLLIVDGLKGFAGGMNLNEDGTQR  |
| Jinkergo   UP10004776963   |  | SHYILIDII IRRII INHRMHNKSMLEDRSII ISILLIGGRNIVIGDEYILISN   |
| Julikariso   Disignation       | UniRef90_UPI0004776963                           | VRIAEFQPTMFHVKALVVDSLLVSVGSTNFDNSFSLN  |
| Julineario Di Di Di Consegnio Di Di Consegnio Di Consegni | UniRef90_UPI00047805AF                           | S WKLINNRDHRKVLI VDGKLAFTGGLINI ISATYAKS   |
| Junkergo   Louing  | UniRef90_UPI0003622338                           | PVQÄSTLARIN QRDHRKI MIVDGKLALVGGVNLSKTFSKD   |
| Jinkergo   C7NTR4   Jinkergo   C7NTR4   Jinkergo   A00003637567   Jinkergo   A00003637567   Jinkergo   A00003637567   Jinkergo   A00003637567   Jinkergo   A000036367   Jinkergo   A0000377604   Jinkergo      | UniRef90_R5BN73                                  | D M A T K L N Y R N H R K I V V I D G Q I G Y T G G M N L N D H Y F R L  |
| Jinkergo   Johnson   Johnson   Jinkergo   Johnson   | UniRef90_C7NTR4                                  | DAARVDHHHAKYAVVDDRMVLTENWKPAGTGGRS   |
| Jinkergo Saavt3 Jinkergo SaguK5 Jinkergo SaguK46 Jinkergo SaguK5 Jinkergo SaguK5 Jinkergo SaguK5 Jinkergo SaguK46 Jinke | UniRef90_UPI0003637567                           | AR FEYYPAM HAKAVMIDSHFATLGSTNMDQRSFRN  |
| Jinkel90_US01A6 Jinkel90_US01A6 Jinkel90_US04A645i7 Jinkel90_US04A646 Jinkel90_US04A666 Jinkel90_US04A666 Jinkel90_US04A666 Jinkel90 | UniRef90_A0Z4Y7<br>UniRef90_S6AVT3               | PILIR WRSGFRNFYRDHRKII LVVDDRQAFIVIGGWDPTOFASH   |
| Jinkergo Ugota A6 Jinkergo Los A55 Jinke | UniRef90_F0R0M8                                  | TF PYVNHVASRDHQKIVVIDGKTSYTGGMNIADYYING  |
| Jinker90_A0A024F67 Jinker90_A0A024F679 Jinker90_A0A024F67 Jinker90_A0A024 |  | DFFRLINRR MHNKSFTVDGMATILIGGRNI GDEYFDL<br>EVISPWRI RRIDI ROHRKI I VIDDKI GYTGSMNI VIDPAFEK  |
| Jinker90 040024F617 Jinker90 04003592002 Jinker90 04003592003 Jinker90 0 | UniRef90_E7RGJ5                                  | R <u>    K V </u> R W <u>Y</u> N A     V G Q F <mark>H</mark> T K <u>S</u>      <u>M</u>     Q D E <u>T  V  </u>                                 |
| Jinkergo   UP10003B30C2D   Jinkergo   UP10003B30C2D   Jinkergo   UP10003B30C2D   Jinkergo   UP10003F2D622   Jinkergo   UP100047ED622   Jinkergo   UP10003F2D622   Jinkergo   UP10003F2D622   Jinkergo   UP10003F2D622   Jinkergo   UP10003F2D622   Jinkergo   UP10003F2D622   Jinkergo   UP10003F2D622   Jinkergo   UP10003F2D623   Jinkergo   UP10003F2D624   Jinkergo   UP10003F2D625   Jinkergo   UP100305F2D625   Jinkergo   UP100303F2D625   Jinkergo   UP100303F2D625   Jinkergo   UP100303F2D625   Jinkergo   UP100303F2D625   Jinkergo   UP100303F2D625   Jinkergo   UP100303F2D625   Jinkergo   U   | UniRef90_L8A5S5                                  | PYII IN PRII IN Y R N H R K II V V I ID G K II IG Y T G G F N IV IG N E Y IL IG IL I   |
| JAINGERGO LARPSS JAINGE | UniRef90_UPI0003B30C2D                           | E M V L  R M F S   |
| Jinkel90   | UniRef90_G4RP59                                  | A F N N D F K F   V   H T K A F   V I   D N E T   V I L   G S   I   N P T Y S G   V   T N  |
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| Jinkef90 LP100037F605 Jinkef90 JP100037F605 Jinkef90 JP10037F605 Jinkef90 JP100037F605 Jinkef90 JP100037F606 JP1   | UniRef90_V6J0X4                                  | RIVIYILI Y Q N G FILI <mark>H</mark> A K TILI VID E RILIA TIVIG T S NILID R S F GILIN  |
| JniRef90_UP1000377FE0E JniRef90_WOQ08 JniRef90_WOQ08 JniRef90_WOQ08 JniRef90_UP10003727047 JniRef90_UP10003704060 JniRef90_UP100038050707 JniRef90_UP1000380 |  | GAFRILIFORODI RMHRKI V <mark>C</mark> I DDAVAYTGSMNI VDPAYFK   |
| Jinkef90   | UniRef90_F6BSZ8                                  | PSRART DRFRRGRMHNKL WVADGRLAISGGRNLGDAYFDN   |
| JAIRGE90_WOJQ08 JAIRGE90_WOJQ0 |  | EII S E Y Q P T M F H C K V F T V D G L L V S V G S T N F D N R S F R N K V V R Y O G G F M H O K V L L M D D O II A G V G T A N F D N R S F R N |
| Jurikef90 CSPX46  Jurikef90 NoW4K0  Jurikef90 NoW4K0  Jurikef90 NoW4K0  Jurikef90 NoW4K0  Jurikef90 UP1000376D460  Jurikef90 UP1000376D460  Jurikef90 UP1000376D406  Jurikef90 WSDZ9  Jurikef90 MSDZ9  Jurik | UniRef90_W0JQ08                                  | E P E N R F E K   I   H A K G   V I I   D G E T T   V V   G S   L   N W N D N S   L   Q N  |
| JniRef90 C8PX46 JniRef90 C8PX46 JniRef90 C8PX46 JniRef90 C8PX46 JniRef90 C90AHT4 JniRef90 LP1000376D460 JniRef90 LP1000376D460 JniRef90 LP1000376D460 PS P A T K P WK P QL H E K L Y C F S H P V A F I G S F N P S G N G S E D JniRef90 LP1000376D460 PL R L R WR R P D L R N H K K Y V V D G R V G Y L G S M N L A D E Y L R R N JniRef90 A0A022FM36 JniRef90 A0A022FM36 JniRef90 B8ICE9 JniRef90 B8ICE9 JniRef90 LP1000386DD72 JniRef90 LP1000386D072 JniRef90 LP000386D072 JniRef90 LP000386D072 JniRef90 LP000386D072 JniRef90 LP000386D180 JniRef90 LP000386D180 JniRef90 LP10003747E06 JniRef90 LP10003747E06 JniRef90 LP10003747E06 JniRef90 LP10003747E06 JniRef90 LP100038518DE J | UniRef90_M0AC29                                  | DVQL VDDTDRFEKI HAKGVIIDREVAV VGSANWNENAFEN  |
| Julikef90  | UniRef90_C8PX46                                  | VVRGFTPANFVVAMHNKSMTFDRQLSIIGGRNIGDEYLRK   |
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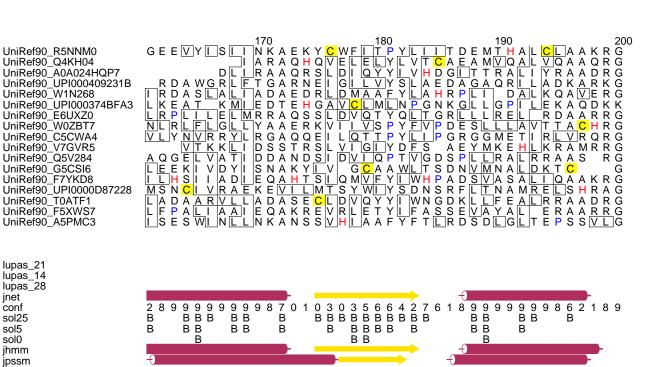
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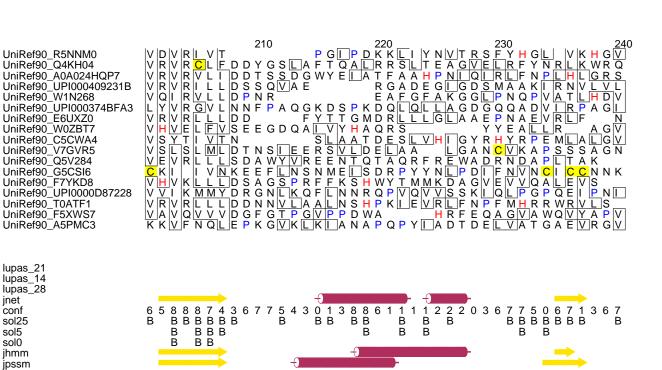
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290

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                                       QQ
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