| QUEDV | 1 10 | 20 30 40 |
|--|-----------------------------------|--|
| QUERY UniRef90_C1LL44 | MEEKLKKSKI QKLAKA <u>KV</u> | T F V V G G P G S G K G T Q C E K F V Q K Y G Y T H F S T G I F V L G G P G S G K G T Q C E K L V H K F N F N H L S S G |
| UniRef90_R6S6K1 UniRef90_UPI0002A4AADF | QDKIKDAKI | I FV LGGPGSGKGTQCEKLVHKFNFNHLSSG I VI FGAPGSGKGTQSARI VEKYGLNHI STG I FV VGGPGSGKGTQCERI VAKYGYTHLSSG |
| UniRef90_A3U7I6 UniRef90_D3IMC2 | KHKPTKMTN | I VLFGPPGAGKGTQAEVLKEKYNLVHISTG I VIFGAPGSGKGTQSDKMIAKYGLEHISTG I ELAGGPGSGRGTQAKKI LDRYKVVHLSMG |
| UniRef90_K1R282 | KPGLPEAPL | I FLAGGPGSGRGTQAKKILDRYKVVHLSMG |
| UniRef90_C0GI89 UniRef90_N0BAU5 | R N | LIL GAPGAGKGTQAER V AKYG PQ STG |
| UniRef90_UPI0003B4FBB6 UniRef90_C9LE48 | S K N <u>K</u> N | |
| UniRef90_E4T6Y3 UniRef90_UPI000373A59E | L N N | |
| UniRef90_F6VN10 | VKNNMDSKKI KIKTAKV | V |
| UniRef90_UPI000468AA99 | T N | I VIFGAPGSGKGTQSENLIKRYGFKHVSTG LVLLGPPGAGKGTQAKSISNRYSIPHISTG |
| UniRef90_U6NUB5 | SPLKKVPI | FFI VGGPGSGKGTQ <mark>C</mark> EKLVAKYGLSHLSSG I <mark>C</mark> VNGGPGSGKGTQ <mark>C</mark> AKLVEKYG <u>FI</u> HYSTG |
| UniRef90_G0IVS5 | L N | |
| UniRef90_E5GCA2 | KKPTV | JILFGPPGAGKGTQSEKIIDQYKLTHLATG VFVLGGPGSGKGTQ <mark>C</mark> AYIVEHFGFTHFSAG |
| UniRef90_M2X2B6 UniRef90_R5YKG0 | PKKK <u>V</u> N | Y F |
| UniRef90_UPI0003693A10 UniRef90_R5XM39 | K R R | L |
| UniRef90_K9XD29 UniRef90_U2FXT4 | TR | LILGPPGAGKGTQAAGIVEKYKIPHISTG LIFLGAPGAGKGTQAQTLAHHRNIPHISTG IVLLGAPGSGKGTQSEKLVAEFGVPQISTG |
| UniRef90_UPI0003+0C2CE UniRef90_UPI000468AA99 UniRef90_UPI000468AA99 UniRef90_Q8XHU4 UniRef90_U6NUB5 UniRef90_D2VVU5 UniRef90_E4TT93 UniRef90_E5GCA2 UniRef90_M2X2B6 UniRef90_R5YKG0 UniRef90_R5YKG0 UniRef90_R5XM39 UniRef90_U2FXT4 UniRef90_U2FXT4 UniRef90_U2FXT4 UniRef90_U5RXD49 UniRef90_U7EXT4 UniRef90_U7EXT4 UniRef90_U7EXT4 UniRef90_U7EXT4 UniRef90_U7EXT4 UniRef90_U7EXT4 UniRef90_U7EXT4 UniRef90_U7EXT4 UniRef90_U7EXT4 UniRef90_U7EXT4 UniRef90_U7EXT4 UniRef90_U7EXT5 UniRef90 | R | L V L L G P P G A G K G T Q A A R I E A A Y N L P H I A T G I V L F G P P G A G K G T Q S Q H I V E K F Q L I H L S T G L I I M G P P G A G K G T Q A K Y I A E H F K L P A I S T G |
| UniRef90_A1SNJ7 | R | L I MGPPGAGKGTQAKYI AEHFKL PAI STG |
| UniRef90_UPI00036BEF1C | R | I FVLGGPGSGKGTQCAKLVKDYGFTHLSAG LIFVGPPGAGKGTQSKFLADAHQIPHISTG I VLFGPPGAGKGTQSERLIARYNLVHLSTG I LVIGGPGSGKGTQSLKIAERYGFQYISVG I FVLGGPGSGKGTQCAQILQEYECVHLSAG I ALFGPPGAGKGTQAKKIVEKYNLAHLSTG |
| UniRef90_F2IKB1 UniRef90_H0XAR7 | PRPKI | V |
| UniRef90_D8UMJ8 UniRef90_UPI00036E33EA | A Q I L N | |
| UniRef90_B9E9L2 UniRef90_I8T9W0 | N R | I I L MGL P G A G K G T Q A S E I I K K Y P I P H I S T G I V L L G A P G S G K G T Q A K N L I T H Y G L P Q I S T G V F V L G G P G A G K G T Q C T R L V A E Y G F A H L S A G |
| UniRef90_J3PM34 | B W K N | V F V L G G P G A G K G T Q C T R L V A E Y G F A H L S A G I V L F G P P G A G K G T Q A T R L K D K Y G L V H I S T G |
| LINIDATON KN 11 AN | NI I | I FLMGGPGSGKGTQ <mark>C</mark> EKLAEKYGFTQLSTG LILMGLPGAGKGTQAEKI <u>T</u> EKYQIPHISTG |
| UniRef90_UPI0003B4CCB4 | IN | I L L G G P G A G K G T Q A T K L K E Y Y N I P H V S T G |
| UniRef90_UPI0003B4CCB4 UniRef90_C4GC11 UniRef90_G3MLZ3 UniRef90_K9PN08 UniRef90_K0DC36 | NVPV | JI V L F G P P G A G K G T Q A T R L K D K Y G L V H I S T G I F L M G G P G S G K G T Q C E K L A E K Y G F T Q L S T G L I L M G L P G A G K G T Q A E K I I E K Y Q I P H I S T G I I L L G G P G A G K G T Q A T K L K E Y Y N I P H V S T G I I M L G A P G A G K G T Q A K Q I A S A Y G I P H I S T G V F V F G G P G S G K G T Q C E K I V A K Y G F T H I S S G |
| Ullikelan Karino | 1.7.1 | LILLGLPGAGKGTQADFIVKDYPNVHISTG |
| UniRef90_UPI0003C29558 UniRef90_U1GSP8 | ווו אוווו | I FV I GGPGSGKGTQ <mark>C</mark> EQLAQKYGFVHLSIR VYLLGGPGSGKGTQSAHLVQDYG <u>FV</u> HLSAG |
| UniRef90_R7B4W5 UniRef90_C0VZ30 | MIATEKKAPL | V Y I L G G P G S G K G T Q S A H L V Q D Y G F V H L S A G I V M L G A P G A G K G T Q A Q R I A E K Y G I P H I S T G V L I L G A P G A G K G T Q A E R I A Q F L N V P S I S T G |
| UniRef90_G0VJI6 UniRef90_R7CP34 | V | I FVL GGPGAGKGT QCAKL VADYGFVHLSAG I I MLGAPGAGKGTQAKKI AAKYQI PHI STG L VLFGKPGAGKGTQAEFLKEKYNLKHI STG |
| UniRef90_UPI000479DF89 UniRef90_F9YUY5 | N T N | L V L F G K P G A G K G T Q A E F L K E K Y N L K H I S T G L V L F G K P G A G K G T Q A A F L K E N Y N L V H I S T G |
| UniRef90_UPI000379A262 UniRef90_UPI00041747EC | L N | L V L F G K P G A G K G T Q A A F L K E N Y N L V H I S T G I I I F G A P G S G K G T Q S A H I K E H Y N L N H I S T G I V L F G K P G A G K G T Q A E F L K E K Y K L T H I S T G |
| UniRef90_D5BM67 | ŢN | L |
| UniRef90_K9V984 UniRef90_UPI00047EBD13 | NI | |
| UniRef90_UPI00046D0DE4 UniRef90_E4ZZJ9 | VT <u>V</u> | L I L I G P P G A G K G T Q A K R L I E R Y G I P Q I S T G I E V L G G P G A G K G T Q C Q N L V S D Y G F K H L S A G |
| UniRef90_Q47LL4 UniRef90_R7B665 | R N | V V L V G P P G A G K G T Q A Q T L A S K L S T P K V S T G L V L L G A P G A G K G T Q A A K L V E K Y G F A H I S T G F L L M G L P G A G K G T Q A E R I V A E Y G L P H I S T G |
| UniRef90_C9A9H9 UniRef90_H3API9 | RII IM K PIL V | VIFIV LIGGPGAGKGIQ <mark>C</mark> QILI VIEKYGYIHILISAG |
| UniRef90_UPI0003F6812C UniRef90_C4ZBT9 | L N | I I LIFGPPGAGKGTQSQKILVEHYQLEHI STG |
| UniRef90_W1V9W7 UniRef90_R6HE76 | R N R V L V | MV L L G P P G A G K G T Q A A R I S E R L G I P A I S T G I I L M G P P G A G K G T Q A E K L L A E F K I P H I S T G |
| UniRef90_R4KBW7 UniRef90_E0S0N5 | N | I I LUGPPGAGKGT QAKQI SDKYNI PHI STG I I MLGAPGAGKGT QAQMI ADKYNI PHI STG |
| UniRef90_E050N5 UniRef90_R5U3Q8 | 5 | |
| UniRef90_R5JIW3 UniRef90_Q6CP26 | V L V | I L L G P P G A G K G T Q A A N I V D S Y K I P H I S T G V F V L G G P G A G K G T Q C A K L V K D F G F V H L S A G |
| UniRef90_G3PU14 | M T K P [G] M K P Q <u>V</u> | L I FL G P P G S G K G T Q A Q V L S Q S L Q I P H I S T G V F V L G G P G A G K G T Q C S K I V E N Y S Y T H L S A G I I L L G P P G A G K G T Q A K L I S S E F S P H I S T G |
| UniRef90_Q97EJ9 UniRef90_U2K610 | LN | IL VI IF GAPGSGKGIQSEIVLI IE QYGFDHII IS I G |
| UniRef90_A5DK00 UniRef90_UPI000378447C | NI | V F V L G G P G S G K G T Q C A K L V N E K G Y V H L S A G H L S T G A F K L V F K Y D L P H L S T G G T G A F K T G T G T T G T T T |
| UniRef90_R5AN55 UniRef90_K9W0A2 | N V A P | LVIFGAPGSGKGTQSEKLIERYPLHHISTG LIFLGAPGAGKGTQAKILAEVCGIPHISTG VFVLGGPGSGKGTQCAKIVQEFGYVHLSAG |
| UniRef90_F4PM66 | KKPGV | VEVLGGPGSGKGTQCAKI VQEFGYVHLSAG |
| UniRef90_S3Y185 UniRef90_I2H967 | A K R S I R | L I V G P P G A G K G T Q A E R I V E K L G V P A I S T G MY L I G P P G A G K G T Q A P N L V N K F G A C H L A T G |
| UniRef90_M0SN28 UniRef90_R1DM52 | K I I V | V F V L G G P G S G K G T Q C T R I V E N F G F T H L S A G V F V L G G P G A G K G T Q C A R I V E K H G Y V H L S A G |
| UniRef90_H3BAZ9 UniRef90_S9QWH3 | PRPK R | V F V L G G P G A G K G T Q C A R I V E K H G Y V H L S A G I F V I G G P G S G K G T Q S S K I A N H Y G F I C I S V G I I L V G P P G A G K G T Q A P N I Q K K Y G I A H L A T G |
| UniRef90_UPI0003B3C0DF | N | LILMGLPGAGKGTQAATISEEYNIPHISTG |

| | 50 60 70 80 |
|---|--|
| QUERY | DLLRAEVSSGSARGKMLSEIMEKGQLVPLETVLDMLRDAM |
| UniRef90_C1LL44 UniRef90_R6S6K1 | DLLRAEVQSGSQKGKELKAMMERGELVPLEVVLSLLKETM DVLRAEIKNGTELGKTAKSYIDNGQLIPDALMIDILASVF |
| UniRef90 UPI0002A4AADF | DIL LIR A EIVIA S G S D R G K QILIQ A I IM Q K G E IL VIPILID TIV LID MILIK D A M |
| UniRef90_A3U7I6 | D V <u>F</u> R Y N I K N A T E L G T L A K S Y <u>M</u> D K G H L V P D E V T I K <u>M</u> L N A <u>E V </u> |
| UniRef90_D3IMC2 UniRef90_K1R282 | DV LRNEIKNGT PLGKTAKEYI DNGQLIPDELMIDI LANVY DILRSQIANKDDKWNMIGSLVSKGEMAPQEVTVELIVEH |
| UniRef90_C0Gl89 | D |
| UniRef90_N0BAU5 | D MIL IR E A IV IA K G T E IL IG K K A K E Y M D R G E IL V IP D E IV V I IGII VI K E R |
| UniRef90_UPI0003B4FBB6 UniRef90_C9LE48 | DMFREAMANETELGLQAKSYMDAGNLVPDEVTNGIV EER DVLRAEIKNGTSLGQTAKSYIDKGQLIPDELMIDILANVY |
| UniRef90_E4T6Y3 | DIL L R K E I A E K S E L G I T A E S Y I S K G N L V P D E M I N I L S K N I |
| UniRef90_UPI000373A59E | DLERYNIK NQTELGLIAK SYLDK GAL VPDEVTIK MLNAKV |
| UniRef90_F6VN10 UniRef90_UPI0003F0C2CE | DLLRAEVNSGSPQGEELKQMMERGDLVPMSTVLKLIKDNM DLLRAEVLSGTDRGAQLTEIMEKGVLVPTSVVFELLKEAM |
| UniRef90_UPI000468AA99 | D L L R A E I K E D T E L G Q V A K R Y I D K G Q L V P D E Y I I Q M I E H L |
| UniRef90_Q8XHU4 | DIFRKNISENT PLGIEAKSYMDNGQL VPDEVTINMV KDR DLLRDEVKSGSPRGTKLNQIMEAGEL VPLEIVLDLIKEAM |
| UniRef90_U6NUB5 UniRef90_D2VVU5 | DL LRDEVKSGSPRGTKLNQIMEAGEL VPLEI VLDLIKEAM DLLRAEAAKDTEQGRMISSYIKEGKI VPGAVTLGLLRNAI |
| UniRef90_G0IVS5 | DILIERKHII IGEGTEILIGKII IARKYMDEGNII VIPDEIVVI IGMIVIEDKII I |
| UniRef90_E4TT93 UniRef90_E5GCA2 | DLFRKHLGEGTDLGKLAQKYMDEGNLVPDEVVIGMVDEKI DLLRGELDSGSENGLMIKSMMNEGKIVPSEVTVKLLQKAM |
| UniRef90_M2X2B6 | |
| UniRef90_R5YKG0 | DL LRKETKAGSELGKTADDYLSKGQLLPDSLTIDMLAKLL DLLRQALKEQTPLGLKAQSYMDRGELVPDQLVQDMV EER |
| UniRef90_UPI0003693A10 UniRef90_R5XM39 | DL LRQALKEQTPLGLKAQSYMDRGELVPDQLVQDMV EER DIFRQNLKEGTELG <u>K</u> KAKEY <u>M</u> DQGLLVPDELTVGLV TDR |
| UniRef90_K9XD29 | D L R Q A M Q R Q T P L G V K A Q D Y V S R G E L V P D Q L V N D L V E E R |
| UniRef90_U2FXT4 UniRef90_L0K5C9 | |
| UniRef90_G8R789 | DILLIK SEILIA A GIPILIG QEA KILLIM D D G KILVIP D EIV VIIG MILL D N K |
| UniRef90_A1SNJ7 | DI FRANVTEGTPLGVEAKRYMDAGEYVPDEVTNRMV RNR |
| UniRef90_A0A024JGR6 UniRef90_UPI00036BEF1C | DLLRAEQSRPSTYGKLIADHIKAGTIVPQEVTLALLEQ DILRESVAAKTSLGVQAQGYMDRGELVPDQLVIDLIRER DIFRANIKGETELGLIAKSYMDQGNLVPDEVTINMLKSEV |
| UniRef90_F2IKB1 | DI LRESVAAKTSLGVQAQGYMDRGEL VPDQLVI DLI RER DIFRANIKGETELGLLAKSYMDQGNLVPDEVII NMIKSEV |
| UniRef90_H0XAR7 UniRef90_D8UMJ8 | FILIK RILI <mark>H</mark> S A S S N R K W SIL LIA KIL LIT T G FILIA P Q F T TILIT FILL K Q K |
| UniRef90_UPI00036E33EA | DMI RKE I A E G S D F G K M A A G I T N K G E L L S D E F V V A L I E N S T |
| UniRef90_B9E9L2 | |
| UniRef90_I8T9W0 UniRef90_J3PM34 | DILIBVEOORESEYA PVIOEHIKEGKI VPMELLIKI MOESM |
| UniRef90_L7WE17 | DV FRYNIK NGTELGTLAKSYMDKGNL VPDEVTIKMLKAEV |
| UniRef90_UPI00045496D7 UniRef90_K0J1A0 | ELLRQELASESERSRLIRDTMERGDLVPSGVILELLKEAM DMFRSALKEGTDLGKKAKSFMDKGELVPDEVTVGIV RER |
| UniRef90_UPI0003B4CCB4 | DVFRYNIKNGTELGTLAKSYMDKGNLVPDEVTIKMLKAEV ELLRQELASESERSRLIRDTMERGDLVPSGVILELLKEAM DMFRSALKEGTDLGKKAKSFMDKGELVPDEVTVGIV RER EVLREARKAGTELGKKAAEYMDAGKLLPDSIILGIV GDK |
| UniRef90_C4GC11 | DILIFRANII KNQI PILIGKKAKEYMDAGNIL VIPDEILII <mark>C</mark> DILLI MDR |
| UniRef90_G3MLZ3 UniRef90_K9PN08 | DL LRAEVQS GS DL GKEMNETMKK GEL V PMVMVLQL LKEATEIFRQAIKEQT PLGTTA QSYLDRGEL V PDELTQNL VKER |
| UniRef90_K0DC36 | DI FRANLSNDTELIGKKAREYMDAGNLVPDEIITNAMVADRU |
| UniRef90_UPI0003C29558 UniRef90_U1GSP8 | _ D |
| UniRef90_R7B4W5 | DII F R S N |
| UniRef90_C0VZ30 UniRef90_G0VJI6 | A I FRQNIKEETELGKRANEFI SKGEFVPDSVTNPMVAAR DLLREQNREGSEFGTLIKHYLTEGLIVPQEITLALLKNIQ |
| UniRef90_R7CP34 | DII IF R A NII IK N G T E IL IG K K A K T Y M D Q G IL L V IP D E IL IT <mark>C</mark> D IL V I IV ID R |
| UniRef90_UPI000479DF89 | DLFRYNMKNNTELGQLAKSYLNKGDLVPDEVTIKMLQDDV |
| UniRef90_F9YUY5 UniRef90_UPI000379A262 | DLFRYNLKNGTELGKLAQSYMDKGELVPDEVTIKMLQQEVDLFRYNLKNGTELGKVEGLISEGHLVPDETIVSIMEGHIDVFRFNLKNDTELGKVEGLISEGHLVPDETIVSIMEGHIDVFRFNLKNDTELGKQCKVFMDAGDLVPDELTTKMLIDEVDVFRYNIKNETELGLTAKSFIDKGQLVPDEVTINMLNAEVDILRQALQEQTPLGIKAQSYMDKGELVPDQLVQDMVKERDIFRENLKNGTELGNKAKEYMDKGQLVPDEIVVEIVKDR |
| UniRef90_UPI00041747EC | DVFRFNLKNDTELGKQ <mark>C</mark> KVFMDAGDLVPDELTTKMLIDEV |
| UniRef90_D5BM67 UniRef90 K9V984 | DVFRYNIKNETELGLTAKSFIDKGQLVPDEVTINMLNAEV DI LRQALQEQTPLGIKAQSYMDKGELVPDQLVQDMV KER |
| UniRef90_UPI00047EBD13 | DI FRÊNLKNÎTELÎNKAKEYMDKÎQLVPDÊLVVELV KDR |
| UniRef90_UPI00046D0DE4 UniRef90_E4ZZJ9 | DILRAAVRDGTDLGKKAKQYMDAGKLVPDEVVIGII EER |
| UniRef90_Q47LL4 | DI ERANVIS GGTELIGKKAQAYMDRGDLVPDEI TNAMV RDR |
| UniRef90_R7B665 UniRef90_C9A9H9 | DIL LIR A A VIK N Q T PIL IGII IE A K K Y M D A G DIL V P D E L V I I GIL V I K E R |
| UniRef90_H3API9 | DELRERRPGSQFGDLIDNCIKEGKI VPVEITISLLERAM |
| UniRef90_UPI0003F6812C | DIL LIRSEMA A GTAILIGKQAQDYMQKGAILVPDAIVVLIGMUESKL |
| UniRef90_C4ZBT9 UniRef90_W1V9W7 | DI FRANVAGNTELIGAKAKTYMDQGALVPDELIT <mark>U</mark> DLV MDR |
| UniRef90_R6HE76 | DMFRAAVKQGTELGKEAKRYMDAGQLVPDVVTIGIV REG |
| UniRef90_R4KBW7 UniRef90_E0S0N5 | DI FRANI KNGTELIGIVKAQGYILDKGLLVPDELITI DI V KDR |
| UniRef90_R5U3Q8 | DI FRANI KNGTELIGKKAKTY MDQGLLVPDELIT <mark>C</mark> OLVVDR |
| UniRef90_R5JIW3 UniRef90_Q6CP26 | DII FRKNI KEGTELIGKKAQEYII NNGQIL VPDELIT <mark>C</mark> GIL VI ASR |
| UniRef90_B7KI06 | DI LRQALT DSTPLGLKAQSYMDKGELVPDDLLLDLI KNR |
| UniRef90_G3PU14 | DL LRAERARESEFGQLLDNYLKEGRI VPVEI TI NL LRKAM |
| UniRef90_Q97EJ9 UniRef90_U2K610 | DIL IREELIKQQSELIGKAAKSFIIDAGQI VIPDGII I IGMII FKV |
| UniRef90_A5DK00 | DLLREQNRKGSEYGDLTRQYLREGKT VPQEVTI ALLQQLQ |
| UniRef90_UPI000378447C UniRef90_R5AN55 | DMFRILIAII KEGTEILIGQKAKSYMDEGAIL VPDEIVTII GII V KER |
| UniRef90_K9W0A2 | DI LRSALAESSPLGQQAQSYMDKGDLVPDALILIDII I RER |
| UniRef90_F4PM66 | DL LREEQASGSKNGDMDATMDKNGELVPSVVTVNLLKDR |
| UniRef90_S3Y185 UniRef90_I2H967 | DMLRSQIAKGTDLGKEAKKIMDOGGIVSDFIMVNMIKDFI |
| UniRef90_M0SN28 | DI |
| UniRef90_R1DM52 UniRef90_H3BAZ9 | DILLIRAERTSGSAQGQMI DEYI REGKI VPVEVTVKLL LDEILIRAGEI APPETTI EELI KOOE |
| UniRef90_S9QWH3 | D MLRS QVARGT DLGKEAKQLMDQGGLVSDDIVAGMIRDEF |
| UniRef90_UPI0003B3C0DF | DMFRTA KEETE L GRQAKSYMDAGD LV PDE V TNG V EER |

| QUERY | 90 100 110 120 VA KVD T S K G F L I D G Y P R E V K Q G E E F E R K I G Q P T L L L Y V D A |
|---|---|
| UniRef90_C1LL44 UniRef90_R6S6K1 UniRef90_UPI0002A4AADF | VAKVDTSKGFLIDGYPREVKQGEEFERKIGQPTLLLYVDA IKLVDKNCHFLIDGYPRELDQGLKFEKEVCPCLCVINFDV DSFKDSKG VIFDGFPRTIAQAEALKTMLAERGQMLDLEV IAKADVSKGFLIDGYPREVKQGEEFEKKIGKPCLLLYVDA DKNADANG FIFDGFPRTEAQAEALKKMLDKRGHMIELDV IKKHPKAGAYLLEGYPRDKNQVEEFNKHIGGLNFMLMLDC LKQPDCDNGYLLDGFPRTIAQAEALKKMLDKRGHMIELDV IKKHPKAGAYLLEGYPRDKNQVEEFNKHIGGLNFMLMLDC LKQPDCDKGFPRTINQAENRRTCKNCKAVYHLIYN IAQPDCEKGFLLDGFPRTINQAENRRTCKNCKAVYHLIYN IAQPDTQQGFILDGFPRTINQAENRRTCKNCKAVYHLIYN IAQPDTQQGFILDGFPRTINQAENRRTCKNCKAVYHLIYN UAQPDTQQGFILDGFPRTIVAQAEALQTMLSNSGKEIDLSV EAFDNDINGMILDGFPRTVAQAEALQTMLSNSGKEIDLSV EQHLESKG FIFDGFPRTEAQAVSMASKNSQINAMIALEV AAHTESKG FIFDGFPRTVAQAEALQTMLSNSGKEIDLSV SAKIDTANGFIIDGYPREVCQGGEEFEKEITECQFALYFDV LSQLQKETGLIFDGFPRTVAQAEALDHHQTKVDVVLDLKV |
| UniRef90_A3U7I6 UniRef90_D3IMC2 UniRef90_K1R282 | DKNADANG FIFDGFPRTEAQAEAMDEKDSQIDAMIALEV DSFGKEHKGVIFDGFPRTIAQAEALKKMLDKRGHMIELDV IKKHPKAGAYLLEGYPRDKNQVEEFNKHLGGLNFMLMLDC |
| UniRef90_C0Gl89 UniRef90_N0BAU5 UniRef90_UPI0003B4FBB6 | L K Q P D C D N G Y L L D G F P R T L A Q A T G R R V C R S C G S S F H V Q F N I A Q P D C E K G F I L D G F P R T I N Q A E N R R T C K N C K A V Y H L I Y N L A Q P D T Q Q G F I L D G F P R N I A Q A Q A L E A M L A K H A R S I D A V L |
| UniRef90_C9LE48 UniRef90_E4T6Y3 | DSLCPC DGV I FDGFPRNI A QAQALEAMLAKHARSI DAVL DSLCPC DGV I FDGFPRTI PQARMLKERKGEVDVMI ELSV EAFDNDLNGMI LDGFPRTVAQAEALQTMLSNSGKEI DLSV |
| UniRef90_UPI000373A59E UniRef90_F6VN10 UniRef90_UPI0003F0C2CE | EQHLESKG FIFDGFPRTEAQAVSMASKNSQINAMIALEV AAHTESKG FLVDGYPREVQQGIEFEQSIAPCTFVLWVDV SAKIDTANGFI IDGYPREVCQGEEFEKEITECQFALYFDV |
| UniRef90_UPI000468AA99 UniRef90_Q8XHU4 UniRef90_U6NUB5 | L S Q L Q K E T G L F D G F P R T V A Q A V A L D H H Q T K V D V V L D L K V L Q Q D D C K N G Y L L D G F P R T V H Q A T G R R V C P S C G A S Y H I K F N L R D V K S S K G F L L D G Y P R E V K Q G E Q F E K E I Q E A K S V I Y F D V L N H P K K D A T F L I D G F P R E M Q Q A V D F E A H V C K F K F V L F F D C |
| UniRef90_D2VVU5 UniRef90_G0IVS5 UniRef90_E4TT93 | NHSLDANG VIFDGFPRTVAQAEALDALLTKKGTMIALEV KETKANSSGYIEDGEPRTVPQAKALDTLIKEKGEMIALDV |
| UniRef90_E5GCA2 UniRef90_M2X2B6 UniRef90_R5YKG0 | KETKANSSGYI FDGFPRTVPQAKALDTL LKEKGEMI ALDV E ESGNEKFL I DGFPRNDENAAFAAVTGI EPAFVL FFD C EEQTQT PGFL I DGFPRKLDQAGAFEKWV GDFEFLL FLD C DTTPEAREGV I LDGFPRTI PQAQALDAL LDRGMEV GLEV |
| UniRef90_UPI0003693A10 UniRef90_R5XM39 UniRef90_K9XD29 | LYQSDSHFGWLLDGFPRTVKQAAFLEQLLQKLAQGSVKVI ISQPDCGNGFMLDGFPRNVSQAVQRRICKSCGATYHLEFN |
| UniRef90_U2FXT4 UniRef90_L0K5C9 | E E QT QT P G F L I D G F P R N D E N A A F A A V I G I E P A F V L I F D C D T T P E A R E G V I L D G F P R K L D Q A G A F E K W V G D F E F I L F L D C D T T P E A R E G V I L D G F P R T I P Q A Q A L D A L L L D R G M E V G L E V L Y Q S D S H F G W I L D G F P R T V K Q A A F L E Q L L Q K L A Q G S V K V I I S Q P D C G N G F M L D G F P R N V S Q A V Q R R I C K S C G A T Y H I E F N L D E P D V E H G W I L D G F P R R V V S Q A S F L D E L L Q Q K H S D R H V R V L A E D D T E N G F I L D G F P R S L D Q A K A L D S L L D E M N R P L Q G V V L N N G D C Q D G F I L D G F P R T T E Q A K A L D D L L K S N D D M I A L E V A M R F S N S K K F I L D G F P R K M D Q A L K F F D D I A V S K M I F I D C |
| UniRef90_G8R789 UniRef90_A1SNJ7 UniRef90_A0A024JGR6 | I D E P D A V G G F L L D G Y P R T V A Q V E M L R F T G H R L D A V V C L T V A M R E S N S K K F L I D G F P R K M D Q A L K F E D D I A V S K M L F L D C |
| UniRef90_UPI00036BEF1C UniRef90_F2IKB1 UniRef90_H0XAR7 | LSKPDAQSGWILDGFPRNVAQAEFLDALLSELHQGCDRVV LKQENAKG FIFDGFPRTNAQAQALDTFLASINTEITRMI LMQIPDEEGLVIDGFPRDVAQALSFEDQICTPDLVVFLAC |
| UniRef90_D8UMJ8 UniRef90_UPI00036E33EA UniRef90_B9E9L2 | AMRESNSKKFLIDGFPRKMDQAIKFEDDIAVVCLIV LKQENAKG FIFDGFPRNVAQAEFLDALLSELHQGCDRVV LKQENAKG FIFDGFPRTNAQAQALDTFLASINTEITRMI LMQIPDEEGIVIDGFPRDVAQALSFEDQICTPDLVVFLAC EHHKDV DGFLFDGFPRTVRQAELDEMLAKTGHPVSIDV LEEDAKRGFLLDGFPRTVEQATGRRICETCGTTYHLVFN LGEADARKGFILDGFPRNAAQAMLQRLGQPAIDKAIHLHV RSIADGHTKFLIDGFPRTDAQAKKIDFKGTFLAGMVAIFV |
| UniRef90_I8T9W0 UniRef90_J3PM34 UniRef90_L7WE17 | LGEADARKGFILDGFPRNAAQAMLQRLGQPALDKAIHLHV RSIADGHTKFLIDGFPREMEQAIKFDDEICESAFVLFLTC EKTPDAEG FIFDGFPRTDAQAKALDEKGTEIAGMVALEV |
| UniRef90_UPI00045496D7 UniRef90_K0J1A0 UniRef90_UPI0003B4CCB4 | EKTPDAEG FIFDGFPRTDAQAKALDEKGTELAGMVALEV VASLGNTRGFLIDGYPREVKQGEEFGRKIGDPHLVICMDC LGKDDCKNGYLLDGFPRTLKQATGRRVCPTCGATYHVIFN LDMPEMKNGYLFDGFPRTIPQAEMLRSKNGSIDAVISIQV IGQDDCEDGFVLDGFPRTIPQARGRRVCPSCGATYHLVAL RKALATAKGFLIDGYPRNVEQGERFEAEVCKCTNLLYFEV |
| UniRef90_C4GC11 UniRef90_G3MLZ3 UniRef90_K9PN08 | L G Q D D C E D G F V L D G F P R T I P Q A R G R R V C P S C G A T Y H L V A L R K A L A T A K G F L I D G Y P R N V E Q G E R F E A E V C K C T N L L Y F E V L S Q P D A Q S G W I L D G F P R N V S Q A A F L D E L L V T I N Q N D E R V V |
| UniRef90_K0DC36 UniRef90_UPI0003C29558 UniRef90_U1GSP8 | LSQPDAQSGWLLDGFPRNVSQAAFLDELLVTINQNDERVV SQADVEENGFMLDGYPRNEAQAEFLDNYLDKKSNSVSATL MTSLGETKGFLIDGYPQEVKQAVEFEEMVGEPKLVLCMDC KMSNDGTGRFLIDGFPRKMDQAAFFESSVCHSRCTIFLDC |
| UniRef90_R7B4W5 UniRef90_C0VZ30 UniRef90_G0VJI6 | K M S N D G T G R F L I D G F P R K M D Q A A F F E S S V C H S R C T I F L D C I H E A D C K N G Y I L D G F P R T I P Q A E S R R A C L K C G A T Y H I Q F A L E A P D V D N G C L L D G Y P R T V E Q A H Y L R D K G K E I D L V L E I V T E N Y D K G M K K F L V D G F P R K M D Q A L S F E E Q I V P S K F I L F F D C |
| UniRef90_R7CP34 UniRef90_UPl000479DF89 UniRef90_F9YUY5 | IQQPDAANGYVLDGFPRTIPQAE <mark>C</mark> RRA <mark>CLKC</mark> GATYHVVHA FKNPDASG FIJEDGFPRTTAQAKFIJTTKGMKIDATIJAJEA |
| UniRef90_UPI000379A262 UniRef90_UPI00041747EC UniRef90_D5BM67 | EDPGEYAG I FDGFPRTVAQAEALDTMLST <mark>H</mark> GESVTLQV NKHPDTNG LIFDGYPRTUSQARDUDAFUESUGSKUAUFA |
| UniRef90_L900047EBD13 UniRef90_UPI00047EBD13 UniRef90_UPI00046D0DE4 | DKNAEANG FIFDGFPRTENQADALAELLKGKGTMIALEV LTQADCSEGWILDGFPRTVKQAEFLESLLESIQQQGERVV LGKPDCEKGFLLDGFPRTVKQADYRRVCPECGAVYHLINI |
| UniRef90_E4ZZJ9 UniRef90_Q47LL4 | L Q E A D C A N G F I L D G F P R T V A Q A D G R R T C R G C G A M Y H V K F S K A S M E S K K L F L I D G F P R K L D Q A H A F E R S V C P S K F T L F F D C L A E D D A R A G F L L D G F P R N L A Q A E T L D E M G V K L D V V L E L V V |
| UniRef90_R7B665 UniRef90_C9A9H9 UniRef90_H3API9 | L K D D D T K A G F I L D G F P R T S A Q A V I I G R L T S R R V C R D C G Y I L A E P D T E K G F L L D G F P R T L D Q A K R F M C R N C G A T Y H K L F N P E E T M A K K Y R F L I D G F P R N E D N V Q G W K K N M D N V S F V L F F D C K A Q T H A K G I I F D G F P R T L A Q A Q A L Q A H G Q K I A C L L S L E V |
| UniRef90_UPI0003F6812C UniRef90_C4ZBT9 UniRef90_W1V9W7 | |
| UniRef90_R6HE76 UniRef90_R4KBW7 UniRef90_E0S0N5 | LSKPECANGFILDGFPRTEEQATGRRICKSCGATYHVAFN LSNVDCKNGFLLDGFPRTVKQATGRRVCSKCGASYHIKFN A NEDCKNGYVLDGFPRTIPQADVRRACLKCGATYHIEHI |
| UniRef90_R5U3Q8 UniRef90_R5JIW3 UniRef90_Q6CP26 | I S E E D C K N G F L L D G F P R T I P Q A E C R R A C L N C G A T Y H I V N I L S E E D C K D G F M L D G F P R N I F Q A C G R R I C K T C G A T F H V K F N S N Y N S S N K K F L V D G F P R K M D Q A L T F E E E I V P S T M T L F F D C |
| UniRef90_B7KI06 UniRef90_G3PU14 UniRef90_Q97EJ9 | E E T M D K K F R F L I D G F P R N E D N L T G W N T V M V D K K F V L F F D C S K D D C K S G F L L D G F P R T V N Q A T G R R V C S K C G A S Y H I E Y N |
| UniRef90_U2K610 UniRef90_A5DK00 UniRef90_UPl000378447C | LIEERQPKRGLILDGFPRTWAQAEALDELFAKHGTAVHLRV EKYSEGATKFLVDGFPRKMDQALTFEEKLARSSLTLFFEC |
| UniRef90_R5AN55 UniRef90_K9W0A2 UniRef90_F4PM66 | L D H P A A G E G V I F D G F P R T V A Q A E A L D K M L R S R G T Q L H L E V L S Q T D A Q N G W I L D G F P R N V S Q A S F L D D L L Q E M N Q V S D K A V L R D P S K N Y L V D G F P R N E E N N N S W T D N M K D I K F V L F F D C |
| UniRef90_S3Y185 UniRef90_I2H967 UniRef90_M0SN28 | LIGEDDAANGFILLDGYPRTVAQVEALDGILEKLDAVILLDV LNNPA <mark>C</mark> KKGFILDGFPRTIPQAEK <u>LNAMLIEQNTYHKLF</u> N |
| UniRef90_R1DM52 UniRef90_H3BAZ9 UniRef90_S9QWH3 | AIRADGGRRFLVDGFPRNTNNLSGWQGQAMRVAAVLVFDCIKQPDAKG FIVDGFPREIGQVFTFEEQIGSPDLVVLLACLNNPACKNGFILDGFPRTVVQAEKRLVHPASGRSYHTEFN |
| UniRef90_UPI0003B3C0DF | L Q K E D C R N G F L L D G F P R T P A Q A G A L E K M L A D M G R Y H V I Y N |

| | 400 |
|--|--|
| QUERY | GPETMTKRLLKRGETSGRVDDNEETIKKRLETYYKATEPV |
| UniRef90_C1LL44 | S F F V M R K R I K R A F T S N R V D D N F F T I V K R F R T F N F I T K P V |
| UniRef90_R6S6K1 UniRef90_UPI0002A4AADF | PEDELMTRLIKRGQESGRADDNEETIKKRLVVYHSQTAPL KSETMIKRLLKRGETSGRSDDNEETIKKRLDLYYKATEPV |
| UniRef90 A3U7I6 | E D E V L V Q R L L E R G K T S G R K D D N E D V I R N R I K V Y N E T A I L |
| UniRef90_D3IMC2 | P F D F I I M K R I V I I R G Q Q S G R T D D N F F T I I K K R I I G V Y H N Q T A P I I |
| UniRef90_K1R282 UniRef90_C0GI89 | E E Y Y M Q R R L L D R G K A T Q R I D D N L N A I Q N R I S F F K N N T L P V P P K V R S V C D K C G G E L Y Q R S D D T V E T V K Q R L E V Y N N Q T E P L P P K E E G K C D K C G G E L Y Q R D D D K E E T V K E R L K V Y K S Q T E P L |
| UniRef90_C0Gl69 UniRef90_N0BAU5 | PPKEEGKCDKCGGELIYQRDDDKEETVKGRLEVIYNNQTEPL |
| UniRef90_UPI0003B4FBB6 | Y F T A D N D V L V K R M L A R G R A D D T P E V T Q N R L D V N G K L T E P T |
| UniRef90_C9LE48 UniRef90_E4T6Y3 | P D E M L M E R L I N R G K T S G R A D D N E E T I R K R L D V Y K N Q T A P L E K D E L I D R L L K R G Q T S G R S D D N L E T I Q K R L E V Y E L Q T A P V |
| UniRef90_UPI000373A59E | DDEI LVNRLLKRGKTSGRKDDNEDI I RNRI KVYYNETEVL |
| UniRef90_F6VN10 | A Q F T MIVIK RIL LIK R A F T S G RIVID D N F F T II IR K RII IK T F IVIF S T F PIV |
| UniRef90_UPI0003F0C2CE UniRef90_UPI000468AA99 | T D E T MT E R L L K R A D T S G R S D D N P E [I K K R L E T Y H K L S E P V P E E E L T D R L L K R G Q [S G R S D D N L E T I K K R L L V Y H N Q T A P L |
| UniRef90_Q8XHU4 | PPTNDGKCDILICGSDIVI IQRKDDTEETIVIKERILIDIVIYENQTQPIL |
| UniRef90_U6NUB5 UniRef90_D2VVU5 | PENVMVERLMHRAKTSGRADDNIDTIKKRLKTFRDATAPV PEELLEQRLLERGKTSGRSDDNAESIKKRFKTYSDQTMPV |
| UniRef90 G0IVS5 | P E E E L K N R L M E R G K T S G R D D Q D E E K I N N R I K V Y N Q E T L P V |
| UniRef90_E4TT93 | PEEELLKKRII KERGKTSGRTDDQDEAII ENRII KVYQEETL PV |
| UniRef90_E5GCA2 UniRef90_M2X2B6 | PEEEMERRI LNRN QGRDDDNIETI RKRFKVFLQSSLPV PQEEMEQRLMKRGQMSGRSDDNLDSI RKRFT TFVETTMPV |
| UniRef90_R5YKG0 | D F P F D R K R G Q V S G R S D D N F T K K R D V Y H N Q T T P |
| UniRef90_UPI0003693A10 UniRef90_R5XM39 | NFDVPDDVVVARLLQRGRKDDSEQVIRRRLEVYRSETAPL PSKEEGVCDICKGDLYQRADDNEETVSKRIQVYLDETKPL |
| UniRef90_K9XD29 | NLEVPDDVLMARLLGRGRADDNEDVIRRRLEVYREQTAPL |
| UniRef90_U2FXT4 | H K V D N E E V Q R L M A R G R S D D N E E T R N R L K V Y Q D Q T Q P L |
| UniRef90_L0K5C9 UniRef90_G8R789 | PPSEARI <mark>O</mark> DE <mark>C</mark> GGDLYQRDDDTPATIKERLDVYNNQTAPL PDEELISRLLERGK <u>D</u> SGRDDQNEEVIKNRLKVY <u>N</u> DQTA <u>V</u> L |
| UniRef90_A1SNJ7 | D Q D E V G R L Q R A Q V E G R A D D T E D V R R R Q D L Y L E Q T A P L |
| UniRef90_A0A024JGR6 UniRef90_UPI00036BEF1C | PEEVMEKRL LKRGETSGRSDDNIESI KKRFKTFVETSMPV NFDVPDPVLLVRLLSRGRKDDNEETI RRRLEVYREQTAPL GLEVAENELREREVSGRPDDANPDVIQNRI NVYKNETAPV |
| UniRef90_F2IKB1 | GLEVAENEL REREVSGRPDDANPDVI QNRI NVYKNETAPV |
| UniRef90_H0XAR7 | A N O R II K E R II I K R A E O O G R P D D N II K A I O R R II M N E K O N A A P II |
| UniRef90_D8UMJ8 UniRef90_UPI00036E33EA | PEEEMEKRL LKRGETSGRSDDNAETIRKRFHTFLEQSLPV PHDELMRRMLERAKIEGRSDDNEEVIENRFREYKAKTLPV |
| UniRef90_B9E9L2 | PPKIVIE GII I <mark>C</mark> DII IDGGKII IYQRADDNPETIVIRNRII IDIVINII IKQTKPII |
| UniRef90_I8T9W0 UniRef90_J3PM34 | P D E E I V R R L L E R A K I E G R V D D T E P V I R K R I E V Y N A E T K P L P E E K L L P R L I E R G K T S G R E D D N E E S I K K R F R T F V Q T S M P V |
| UniRef90_L7WE17 | D D F IV I VIF RII I I F R G K D S G R D D A N F GIV I IR D R II ISIVIY Y K Q T A P II I |
| UniRef90_UPI00045496D7 UniRef90_K0J1A0 | SADTMTNRL LQRSQSSQRGEDTAKTI AKRLEAYHRASIPV PPKVAETCDHDGATLNQREDDQPETVANRI EVNLEQTQPL |
| UniRef90 UPI0003B4CCB4 | P D E IV V I IE RIL L IK R A E II IE G R S D D N R E T II IE S RIL IK IV IY Y K Q T E P IL I |
| UniRef90_C4GC11 | PPEKEGIVICDACGSEILTIQRADDSEATIVIAN RILIQIVIY HEQTQPIL |
| UniRef90_G3MLZ3 UniRef90_K9PN08 | K D E T M K E R L L K R G Q T S G R V D D N E E T I T K R I K T F H D E S E P V N L D A P D E I V V A R L L E R G R K D D S E E V I R R R L E V Y R D E T A P L |
| UniRef90_K0DC36 | Y F E V T D S L L R E R L L G R G R A D D T P E V D N R L E V N K A A N L P L |
| UniRef90_UPI0003C29558 UniRef90_U1GSP8 | S A E T M S S R L L T K S Q S <mark>C</mark> E <mark>C</mark> F D D N A E T I Q Q Q E Y Y Q A T E P V P E D V M K <u>E R L L N</u> R G K <u>T S G</u> R T D D N E E S K K R <u>F</u> R <u>T</u> F <u>V</u> E T S M P V |
| UniRef90_R7B4W5 | APKKEGIODKCGSELVLRDDDKPETVQKRLEIYHDQTHPL NQEEVIARLLKRAELEHRADDNEEVIRHRMEVYREMTEPM |
| UniRef90_C0VZ30 UniRef90_G0VJI6 | N Q E |
| UniRef90_R7CP34 | A P K IV IE GIVI <mark>C</mark> D T <mark>C</mark> G E K II. V I IP D D D D D P E T IV IO K P II. IN IV IV H E O T O P II. |
| UniRef90_UPI000479DF89 | N D E L Q R L L E R G K V S G R D D Q D E D K R N R F D E Y N Q K T A P L D D E A L A R L L E R G K V S G R A D D Q D E A I R N R F V E Y N E K T A P L G E E E L S R I L E R G K V S G R A D D N E E S A R E R L K V Y H N E T E P V D D E I L I Q R L L E R G K T S G R I D D Q D E S I R N R Y Q E Y N E K T A P L E D E V L V K R L L E R G K T S G R K D D D E A V I R N R I T V Y Y E E T A L L |
| UniRef90_F9YUY5 UniRef90_UPI000379A262 | GEFFILISRILIERGKVSGRADDNEFSARFRIKVY <mark>H</mark> NETFPV |
| UniRef90_UPI00041747EC | D D E I L I Q R L L E R G K T S G R I D D Q D E S I R N R Y Q E Y N E K T A P L |
| UniRef90_D5BM67 UniRef90_K9V984 | E D E V L V K R L E R G K L D D E A V R N R I V Y Y E I A L L N D V P D D V V R S E T E P I A E D V B R R I E V V R S E T E P I A E D V B R R I E V V R S E T E P I A E D V A E D V B R I E V V R S E T E P I A E D T T T T T T T T T |
| UniRef90_UPI00047EBD13 | NEDVPDDVVVGRELERGRKDDAEDVIRRRLEVYRSETEPL PPKEEGKCDVCGANLVQRKDDTRETIEKRLDVYQEQTRPL |
| UniRef90_UPI00046D0DE4 UniRef90_E4ZZJ9 | P P K <u>A Q G V C D K C G G E L Y Q R D D D R E E T I I R A R L K V Y H E Q T A P L</u> |
| UniRef90_Q47LL4 | SEAVMEKRL HRGETSGRADDNLESI KKRFRTFVETSMPV DEEEVIRRLAERARDDNRSDDNEETI RHRL VVYREQTAPL |
| UniRef90_R7B665 UniRef90_C9A9H9 | GTEADKVCPKCGGEMYQRDDDNEATVRNRLDVYESSTAPL |
| UniRef90_H3API9 | SNEVCIERCLQRGQHSGRWDDNQKSLEKRIQTYLESTKPI |
| UniRef90_UPI0003F6812C | E E G E L T K R L L E R G K T S G R D D Q N E E L V K R R V Q V Y R N E T E L V |
| UniRef90_C4ZBT9 UniRef90_W1V9W7 | E A E V V V Q R L K R A T E Q N R A D D T E P V R R R L E V Y A E Q T F P I |
| UniRef90_R6HE76 | PSKVEGMCDKCGGTLYQRDDDKEETIKNRLEAYHSQTEPL |
| UniRef90_R4KBW7 UniRef90_E0S0N5 | PSKVAGKUDI UGSDI I QRKDDSEETVQERLDVYSRQTEPL |
| UniRef90_R5U3Q8 | PTKTPGI CDRCGEPVVLRDDDKPETVKKRLDVYHAQTKPL |
| UniRef90_R5JIW3 UniRef90_Q6CP26 | PSKQEGVCDVCSNALTQRPDDNEETVSNRINVYLSETKPL |
| UniRef90_B7KI06 | NLEVPEDVLIERLLGRGRQDDHETTIRRRLQVYHEQTAPV |
| UniRef90_G3PU14 | SNEVCIDROLERGKSSGRIDDNRESLEKRIQTYLQSIRPI |
| UniRef90_Q97EJ9 UniRef90_U2K610 | GEDELLORI I KRGMGSGRSDDNI ETILKKRI DIVIZHAOTAPIL |
| UniRef90_A5DK00 | PEAVMLKRLLERGKTSGRDDDNEESIKKRERTFLDTSMPV |
| UniRef90_UPI000378447C UniRef90_R5AN55 | PPKVEGVCDKDGAKLIQREDDQPSTVRNRLEVNIEQTQPM |
| UniRef90_K9W0A2 | NLEVPDDVL VVRLLGRGRSDDNEETI RRRLEVYRNQTAPL |
| UniRef90_F4PM66 | PEQVMTERL LGRGVSSGRTDDNLESIKKRFVTFNNQTKLV |
| UniRef90_S3Y185 UniRef90_I2H967 | PPKEDMKDDVTGEPLIORSDDNAEAILKKRII JOVYSEQTTPL |
| UniRef90_M0SN28 | SEAVME KRLLHRGETSGRADDNLESI KKRFTTFVETSMPV DEEEVIRRLAERREDNRSDDNNEETI RHRLVVYREQTAPL DNRSDDNNEETI RHRLVVYREQTAPL PKEEGTODRCGSHDYQREDDNREETI RHRLDVYESSTAPL PKEEGTODRCGSHDFYQREDDNRPETVKNRLAVNI KSSEPI SNEVOLERREDDNRDDNREETVKNRLAVNI KSSEPI EEGLTRR CLQRGQHSGRVDDDNQKSLEKRI QTYYLESTKPI EEGLTRR CLQRGQHSGRVDDDNQKSLEKRI QTYYLRESTELV PTKVEGKCDACGACHSGRDDDQNEETVVQRRLAVYHEQTQPL EAEVVVQRLLKRATEQNRADDDTEPVI RRRRLEVYAAEQTEPL PSKVVEGMCDKCGGSDI VQRDDDKEETVVQNRLAVYHEQTQPL PSKVVEGMCDKCGGSDI VQRDDDKEETVVQNRLAVYHEQTQPL PSKVVEGICDKCGSSELVLRDDDDKPETVVQNRLAVYHEQTQPL PTKTPGI CDRCGSSELVLRDDDDKPETVVKKRRLAVYHEQTQPL PTKTPGI CDRCGSSELVLRDDDDKPETVVKKRRLAVYHEQTAPPL PSKQEGVCDVCSNALTSGRQDDDNEETVVKKRRLQVYYHEQTAPPL PSKQEGVCDVCSNALTSGRQDDDNEETVVKKRRLQVYYHAQTKPL PEKI MLERL LQRGKTSGRQDDDHETTTI RRRRLQVYYHAQTAPPV NLEVPEDVLI ERRLLGRGKGRGRDDDNRESI KKRRLDVYYDDRQTEPPL PEKKI MLERL LKRGGRGRGDDDNRESI KKRRLDVYYDDRQTEPPL GEDELI QRL LKRGGKGSGRSDDNLETI KKRRLDVYYDDRQTEPPL PEKKI MLERL LGRGKTSGRRDDDNRESI KKRRLDVYYDDRQTEPPL PEKKI MLERL LGRGKGSGRSDDNLETI KKRRLDVYYDDRQTEPPL PEKKI MLERL LGRGKGSGRSDDNREETV KKRRLDVYYDDRQTEPPL PEKKI MLERL LGRGKGSGRSDDNREETV KKRRLDVYYDDRQTEPPL PEKKI MLERL LGRGKGSGRSDDNREETT KKRRLDVYYDDRACH |
| UniRef90_R1DM52 UniRef90_H3BAZ9 | PEEVIMEERIL LIERGKT SGRSDDNAASII IRKRFATFRDETTPV SKHOURORI IEKRGOOGRPDDNAHAII EKRIVIDTEKONITTI I |
| UniRef90_S9QWH3 | PPKVPMKDDVTGEPLVQRSDDNADALRKRLVTYHSQTTPV |
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| | | 470 400 400 |
|-----------------------------------|----------------------------------|--|
| QUERY | | 170 180 190 TAFYEKRG <u>LVR</u> KVNAEGSVDDVFSQV <mark>C</mark> THLDT <u>L</u> K |
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| UniRef90 | UPI0003B4FBB6 | A F F Y A N K NIV I I <mark>H</mark> K II ID G A R A II ID DIVIF A DIVIK K IV I ID S II I |
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| | _D8UMJ8 _UPI00036E33EA | VKYFQEKGLIMTFDADRDEDEVFYDISVAVDS KDHYLAQGKCHLISAVPPPGEVFEVVKEVLDKL ADHYKAQKKHHTVNGFGAVEDVFQALTNILEGIK |
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| UniRef90 UniRef90 | H3API9 | I D L Y E K Q G K V K K I D A S K S V E E V F A E V Q K V F |
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| UniRef90_ UniRef90 | _A5DK00 _UPl000378447C | LDFYSNKGDLVTINGSQEIDEVFSDIDEKLKTI |
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| | | |

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| UniRef90_E5WSZ4 | NLVLMGLPGAGKGTQAEKIVQKYGIPHISTG |
| UniRef90_V9L339 UniRef90_M8AUM5 UniRef90_UPI000381ABF8 UniRef90_R9XDA7 UniRef90_G0SXY2 UniRef90_D5E6Q3 UniRef90_UPI0002196D2F UniRef90_Q5B2V8 | K K V A V V F V L G G P G S G K G T Q C S N I V E H F G F T H L S A G |
| UniRef90_UPI000381ABF8 | K K V A V V F V L G G P G S G K G T Q C S N I V E H F G F T H L S A G V L F L G P P G A G K G T Q A K R L A A E R G Y R Q L S T G |
| UniRef90_G0SXY2 | LRL V L M G P P G A G K G T Q A P K I K E T Y N V C H L A T G |
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| UniRef90_Q5B2V8 | VVFVLGGPGSGKGTQCSRLVERMQFVHVGAG LRLVLMGPPGAGKGTQAPKIKETYNVCHLATG NVVLFGPPGAGKGTQAKELSSYYDIPHISTG NLLLIGLPGAGKGTQAEFIVQKYGIPHISTG RIILMGPPGAGKGTQAPKIKEKYCVCHLATG TNIVLFGKPGAGKGTQAFFIKEKYNLTHLSTG |
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| UniRef90_D2SH82 | Q K V T V V Ý V L G G P G A G K G T Q S A NL V R D Y G F V H L S A G R V V L L G P P G A G K G T Q A Q V I A D R L G V P A I S T G R D V T V V F V L G G P G A G K G T Q C A K L V A Q H G F T H L S A G |
| UniRef90_UPI000472306F | NILL LIGPPGAGKGTQAQRILIEQDFGILIKQII ISTG |
| UniRef90_B8G1Y7 | RAILMGPPGAGKGTQAADLITRYQIPHISTG KEVTVIFIVLGGPGAGKGTQ <mark>C</mark> EKLVADFNF <mark>C</mark> HLSAG |
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| UniRef90_UPI00047BE1D5 | RLVLLGAPGSGKGTQAARLKEYLQVPHISTG |
| UniRef90_UPI0002658ABC UniRef90_C7MTW8 | K V P V V W V L G G P G S G K G T Q C A K I V E K Y G Y V H I S S G T R V V <u>L V G P P G A G K G T Q A A T L S Q R L G V P H I</u> S T G |
| UniRef90_F8FA26 | NI I FMGPPGAGKGTQAERI VDEFQI PHI STG NL V <u>IF</u> GPPGAGKGTQSAKI <u>I</u> DKYRLAHI STG |
| UniRef90_R5BEP6 | L |
| UniRef90_UPI00040A8D85 | RI V L L G P P G A G K G T Q A K R II <mark>C</mark> E T Y Q I P H I S T G P R P K I I L L <u>I</u> G G P G <u>S</u> G K G T Q S L K I A E R Y G <u>F</u> E Y I S <u>V</u> G |
| UniRef90_W5M7G3 UniRef90_E6K016 UniRef90_UPl000287AC21 UniRef90_R5N8F4 UniRef90_Q6B341 UniRef90_F5XNL9 UniRef90_Q7V9Y1 | RLLIMGPQGVGKGTQAALLAQHYGIPAISTG |
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| UniRef90_Q6B341 | NI VLMGLPGAGKGTQAEQI LEKYELPHI STG |
| UniRef90 Q7V9Y1 | RLLIMGPPGAGKGTQAKLIAEHYGIPAISTG RLLFLGPPGAGKGTQASLI <mark>C</mark> KDQGFLHLSTG |
| UniRef90_R6RL70 | ILLIMILIGAPGAGKGIOAERIISKKYGIIPHIISIG |
| UniRef90_K8ZAF1 UniRef90_C8W6C6 | NL LI MGPPGAGKGTQAEVLVKEMALTHI STG |
| UniRef90_S3DS38 UniRef90_UPI0004575D6D | N <u> </u> |
| UniRef90 C9LTF0 | I LLMGPPGAGKGTQAANLVKEFGIPHI STG |
| UniRef90_UPI000347398D UniRef90_W5JJ81 | RV I L V G P P G S G K G T Q G E L L Q A A F G I P K I S T G M G K P K V V F V L G P P G S G K G T Q C E K I V A K Y G Y T H L S A G |
| UniRef90_A0A023NX27 UniRef90_M5AEQ3 | MGKPKVVFVLGPPGSGKGTQ <mark>C</mark> EKIVAKYGYTHLSAG RLVLLGPPGSGKGTQAARLKVELGVPHISTG MTAMNLILMGLPGAGKGTQAEKIINEFHLPHISTG |
| UniRef90_UPI00022C8C48 | KTVWI I GGPGCGKGTQCERI I AKYGFFHI SSG RLVLLGPPGAGKGTQAELLRDALGIPHVSTG |
| UniRef90_UPI0003738968 UniRef90_UPI00046881B2 | R L V L L G P P G A G K G T Q A E L L R D A L G I P H V S T G N I V F M G L P G A G K G T Q A E K I V E A F Q L P H I S T G |
| UniRef90_UPI00047B6F5A | R L <u>F L G P P</u> G A G K G T Q A A V <u>A</u> A S F G V P H I S T G |
| UniRef90_H4GIT9 UniRef90_UPI00037333CC | NILLLIGPPGAGKGLOAKRIJEAAYGIVKOIJSLG |
| UniRef90_C1EJ92 | PTIVVIEIVI IGGPGAGKGTOCSNILVINDEGEIVIHI ISAG |
| UniRef90_UPI00035D9FF8 UniRef90_M0RFY0 | NMVLLGPPGAGKGTQAARLVENFGIPQISTG KK <u>IIV</u> VFVLGGPGSGKGTQ <mark>C</mark> AKIVQHFN <u>FT</u> HLSAG |
| UniRef90_D1VTM9 UniRef90_F4CWC3 | RLVILGPPGAGKGTQADFIVKKYNIVHISTG RLVLVGPPGAGKGTQAVRIAEQLGIPHISTG LNLILEGPPGAGKGTQSENIIAKYKLIHLSTG |
| UniRef90_UPI00047B5B11 | UNLILEGPPGAGKGTQSENIIAKYKLIHLSTG |
| UniRef90_U2YYK1 UniRef90_Q8DS33 | NI I L F G P P A A G K G T Q A K R L V E Q R G MV Q L S T G NL L I MGL P G A G K G T Q A A K I V E K F G L A H I S T G V T V I F V L G G P G A G K G T Q C S K L V S E H G F T H L S A G |
| UniRef90_A0A016PQ77 | VTVI FV LGGPGAGKGTQCSKL VSEHGFTHLSAG |
| UniRef90_UPI000248FFA2 UniRef90_UPI00047AEC90 | LNLVLMGLPGAGKGTQAQKIVDDFNIVHISTG RVVLLGPPGAGKGTQAQIIAAKVGVPAISTG NVILMGLPGAGKGTQAERIVKEFGIPHISTG |
| UniRef90_UPI0002DEA05E | NVILMGLPGAGKGTQAERIVKEFGIPHISTG |
| UniRef90_C6D4L8 UniRef90_F0RJV9 | NILFMGPPGAGKGTQAERIVGEFGIPHISTG QVVIFLGPPGAGKGTQAERLAAAYGLTKVSTG TIWILLGPPGSGKGTQAVQLSQKLHIPHISTG |
| UniRef90_F8KYP7 UniRef90_UPI0004708D00 | T W T L G P P G S G K G T Q A V Q L S Q K L H P H S T G N V L M G L P G A G K G T Q A D K V E K Y G P H S T G |
| UniRef90_U3IKN7 | S E DLR K S N [I F V V G G P G S G K G S Q C E Q L V K K Y G F T H L S T G |
| UniRef90_UPI00036050D7 UniRef90_UPI000368C722 | R I V L M G A P G S G K G T Q A K K M V S H F G I P Q I S T G R I V L V G P P G A G K G T Q A E F I A A H L S I P K I S T G |
| UniRef90_X8K210 | LRTI LLGPPGAGKGTQAVRIVEKYGIPHISTG |
| UniRef90_UPI000477209E UniRef90_V7I797 | RVVLLGPPGAGKGTQATLLAEHYGVPHISTG LILLGPPGAGKGTQAQSISKRFQLPHISTG |
| 01 | E LEGIT CHOKOT WAWDI DKKT WEITHIND I G |

| UniRef90_W9GE13 UniRef90_R6R7V4 UniRef90_UPl000219323E UniRef90_W6JVT3 UniRef90_A0A023CZE6 UniRef90_B5JL76 UniRef90_A0B9A2 UniRef90_B0KCM0 UniRef90_UPl0003B6D245 UniRef90_G9PH32 UniRef90_O66490 UniRef90_P15700 UniRef90_P15700 UniRef90_T0F470 UniRef90_U2TBC2 UniRef90_U2TBC2 UniRef90_U5B39 | 50 D F R S N K N Q T E L G R K V E A L A S G G Y V P D E V T N E V A D R D M F R T A A N K T E L G L A E S Y L K K G M L V P D E V T I G L V K E R D L F R D N S R E T E L G R E A Q Q Y M D A G R L V P T S V T A N M V R T R D F R A N K N E T P L G L Q V K E L A A G G Y V S D D T N A V A D R D F R A A K N G T P M G L K A K S F D K G E L V P D E V T N G V K E R E L R K E M A E K T P L G E E A R S L A A G G Y V S D D T N K V E P L G L Q K E A K K Y M D A G Q L V P D S L I G I K F R E N K N G T E L G K E A K K Y M D A G Q L V P D S L I G I K D R D F R Q N L R D N T D L G K L A K E Y M D K G L V P D E V T N G L V A D R D F R E N K N E T P L G L K V K E T A Q G A Y V P D E V T N G L V A D R D F R K N A E G T E L G K A A K S Y D K G E Y V P N E V T N G L V R D R D L L R E A V Q K G T P L G K K A K K Y M D A G D L V P D D L L I A L I R N A I D L L R E Q G R A G S Q Y G E L I K N O L K E G E L V P D D L I L A L L S N A M D L F R A N I K N E T P L G K Q V K A I V D A G D Y V P D S V T I G I V R E R D L L R E Q I R P E S E Y G A L I K N Y I T E G K I V P M E I T V A L L S N A M D L F R A N I K N E T P L G K Q V K A I V D A G D Y V P D S V T I G I V R E R |
|--|---|
| UniRef90_V9L339 UniRef90_M8AUM5 UniRef90_UPI000381ABF8 UniRef90_QSXY2 UniRef90_GOSXY2 UniRef90_D5E6Q3 UniRef90_UPI0002196D2F UniRef90_Q5B2V8 UniRef90_UPI00047D7AD3 UniRef90_UPI000471FCEE UniRef90_G4MTX2 UniRef90_A9KJH3 UniRef90_UPI0003021F3A UniRef90_UPI0003021F3A UniRef90_UPI0003021F3A UniRef90_UPI0003021F3A UniRef90_UPI0003021F3A UniRef90_UPI000472306F UniRef90_D2SH82 UniRef90_D2SH82 UniRef90_D2SH82 UniRef90_B8G1Y7 UniRef90_B8G1Y7 UniRef90_BBG1Y7 UniRef90_HYEY4 UniRef90_M4BUB8 UniRef90_UPI000472306F UniRef90_UPI00047BE1D5 UniRef90_UPI00047BE1D5 UniRef90_UPI00047BE1D5 UniRef90_UPI00047BE1D5 UniRef90_UPI00047BE1D5 UniRef90_UPI00047BE1D5 UniRef90_UPI00047BE1D5 UniRef90_UPI00040A8D85 UniRef90_UPI00040A8D85 UniRef90_UPI00040A8D85 UniRef90_UPI00040A8D85 UniRef90_UPI000287AC21 UniRef90_E6K016 UniRef90_G6B341 UniRef90_Q6B341 UniRef90_Q6B341 UniRef90_Q7V9Y1 UniRef90_R6RL70 UniRef90_R6RL70 UniRef90_K8ZAF1 UniRef90_C8W6C6 UniRef90_UPI0004575D6D UniRef90_UPI0004575D6D | D M F R A A L K D E T D L G L K A K S F M D K G E L V P D E V T L G L V R E R E L L R S E L K S G S E L G K K K S F M D K G G E L V P D E V T V A M L D L L R S E L K S G S E L G K K K S F M D K G G L V P D E V T V A M L D L L R S E L K S G S E L G K K K S F M D K G G L V P D D E V T V A M L D L L R S E L K S G S E L G K K K S F M D K G G L V P D D E V T V A M L D L L R S E L K S G S E L G K K K S F M D K G G L V P D D E V T V A M L D L L R S E L K S G S E L G K K K S F M D K G G L V P D D E V T V A M L D L L R S E L K S G S E L G K K K S F M D K G G L V P D D E V T V A M L D L L R S E L G K K S S E L G K K S S E L S S S E L S S S S S S S S S S S |
| UniRef90_C9LTF0 UniRef90_W5JJ81 UniRef90_W5JJ81 UniRef90_M5JJ81 UniRef90_M5AEQ3 UniRef90_UPl00022C8C48 UniRef90_UPl0003738968 UniRef90_UPl0003738968 UniRef90_UPl0004786F5A UniRef90_UPl00037333CC UniRef90_UPl00037333CC UniRef90_UPl00035D9FF8 UniRef90_UPl00035D9FF8 UniRef90_UPl00035D9FF8 UniRef90_UPl00035D9FF8 UniRef90_UPl0003F9F8 UniRef90_UPl00047B5B11 UniRef90_UPl00047B5B11 UniRef90_UPl00047B5B11 UniRef90_UPl00047B5B11 UniRef90_UPl00047B5B11 UniRef90_UPl00047B5B11 UniRef90_UPl00047B5B11 UniRef90_UPl00047B5B11 UniRef90_UPl00047B5B11 UniRef90_UPl00047B5B11 UniRef90_UPl00047B5B11 UniRef90_UPl00047B5B11 UniRef90_UPl00048BFA2 UniRef90_UPl0004BFA2 UniRef90_UPl0004BFA2 UniRef90_UPl0004BFA2 UniRef90_UPl0004BFA2 UniRef90_UPl0004F08D00 UniRef90_UPl00036BC722 UniRef90_UPl00036BC722 UniRef90_UPl000477209E UniRef90_UPl000477209E | DMFRAAVKEGTELGLQAKACMDAGKLVPPDEVTIGIV KERDILRAAVRDETPLGLEAKHYMESGNLVPPDEVTIGIT CALL EERNREGSEYGALIEDNIKNGRIVPPSIVTIGIT CALL EERNREGSEYGALIEDNIKNGRIVPPDEVTOGLUAMU EERNDLLRERNREGSEYGALIEDNIKNGRIVPPDEVTNGIVTOGLUAMU EERNDLLREEVAASGSPRGAASLQETMSQGILVPPDEVTNGIV RERNDLLREEVAASGSPRGAASLQETMSQGILVPPDEVTNMV RERNDLLREEVAASGSPRGAASLQETMSQGILVPPDEVTNMV RERNDLLREEVAASGSPRGASLQETMSQGILVPPDEVTNGIV KHRRDLLRETPLGLEAKKYMDAGDLVPPDEVTNGIV KHRRDLLRETPLGLEAKKYMDAGDLVPPDEVTNGIV KHRRDLLRETPLGQQKAKKTMAQGELVPPDEVTNGIV KHRRDLLRAHWSGSEGTPLGQLAKKSYMDAGGULVPPDEVTNGIV KHRRDLLRAHWSGSEGTPLGQQKAKDYMAQGELVPPDEVTNGIV KHRRDLLRAHWSGSEGTPLGQQKAKDYMAQGELVPPDEVTNGIV KHRRDLLRAHWSGSEGTPLGQQKAKDYMDAGGUVPPDEVTNGIV KHRRDLLRAHWSGSEGTPLGQQKAKSYMDAGGUVPPDEVTNGIV KHRRDLLRAHWSGSEGGTPLGQQKAKTUMDKGGUVPPDEVTNGIV KHRRDLLRAHWSGSEGGTPLGQQKAKTUMDKGGUVPPDEVTNGIV KKERDLLRAHWSGSEGGTPLGGLAKKSYMDAGGUVPPDEVTNGIV KKERDLLRAHWSGSEGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG |

| | 400 |
|--|---|
| UniRef90 W9GE13 | 90 100 110 120 L T W D D A V N G F L L D G Y P R T A G Q V D M L E D H G H Q L D A V L E L T V |
| UniRef90_R6R7V4 | II IS K P D C K N G Y II I I D G F P R T II IA Q A F G R R IV C K N C G N S Y H IV V T K |
| UniRef90_UPI000219323E UniRef90_W6JVT3 | L G Q D D A A K G F L L D G F P R T I E Q A E I L R D M L A E K G E S L D A V V L A Q E D C V P G F L L D G Y P R T S D Q V Y A L D T R G G E L D A V L E L T V |
| UniRef90_A0A023CZE6 | L G |
| UniRef90_B5JL76 | T D N H Q A K G F L F D G F P R T Y L Q A Y L M L K L H S S L T C L I N L Q V |
| UniRef90_A0B9A2 UniRef90_B0KCM0 | LSKPDVAGGYMLDGYPRTIPQAESGRRMCKCGRSYHIIFN LEKDDCQKGFLLDGYPRNVAQAEERRVCPNCGATYHIKTS |
| UniRef90_UPI0003B6D245 | LSQTDAAKGFLLDGYPRTAGQVEFLDEFGAALDAVIRLIV |
| UniRef90_G9PH32 | LHWDDAVEGELLDGYPRTLDQVEELERMLDADDVAVELTA |
| UniRef90_O66490 UniRef90_P15700 | E E |
| UniRef90_T0F470 | I VEPDCKTGFLLDGFPRTVEQAEALDMEGKDIKRAI NLEV |
| UniRef90_Q5B5C2 UniRef90_U2TBC2 | A |
| UniRef90_E5WSZ4 | L S K D D <mark>C</mark> E K G F L L D G F P R T V A Q A D G R R I |
| UniRef90_V9L339 | II ID G F P R DIVIA Q AIL IS F E D QII I <mark>C</mark> IVIP DIL V VIFIL IA <mark>C</mark> |
| UniRef90_M8AUM5 UniRef90_UPI000381ABF8 | A A M P T P R I I I F D G F P R T H A Q A F A I D R I I F F I G V F I R V D V |
| UniRef90_R9XDA7 | _ E |
| UniRef90_G0SXY2 UniRef90_D5E6Q3 | ENNPECQLGFILDGFPRNVTQAEKLDEMLAKRKQPLEHAV LAEPDCKKGYLLDGYPRTIPQAESGRYM <mark>C</mark> ECGESYHVRFN |
| UniRef90_UPI0002196D2F | ILIK QPD I DK GYIL LIDGF PRNII IDQAKRFII <mark>C</mark> K N CGA I Y H KILIY K K |
| UniRef90_Q5B2V8 | ENNAECKNGFILDGFPRTVAQAERLDEMLVARNQYHKIFN EANPDSAG FLFDGFPRTIAQAQFLATKSEVITATVALEA |
| UniRef90_UPI00047D7AD3 UniRef90_UPI000471FCEE | A H H K T IV IK G F EIL IE D G E P R T IV IA O A E A IL ID R N G O H IV IS O IL I I E IL V V I |
| UniRef90_G4MTX2 | T_D <u> V_V </u> EN_K_K_F L_I D_G_F_P_R_K_ <u>M</u> _D_Q_A <u> L</u> K_F_E_E_ <u>T</u> V <mark>C_P_</mark> A_K_F <u> V_L F_Y</u> _D <mark>C</mark> _ |
| UniRef90_A9KJH3 UniRef90_UPI0003021F3A | II IS K P D C D K G F II I I ID G F P R T IV IA Q A T G R R II IC P F C G A T Y HIV IF F N |
| UniRef90_R7JL55 | |
| UniRef90_I0R8E0 UniRef90_V9DJS6 | LHKADCKDGFVLDGFPRTIPQAKSLSEANEKIDYAINIDV RSNMGSSGKFLIDGFPRKLDQAVFFEQSVCPSRCTLFLDC |
| UniRef90_D2SH82 | LAEDDAKGGFLLDGFPRTTAQAEQLRDSLHELGQALDCVL |
| UniRef90_G3J932 UniRef90_UPI000472306F | ADALAANGRELIDGEPRKLDQAYKEEDTVCPARLVLFFDC |
| UniRef90_B8G1Y7 | L QSDCAQGFILDGFPRTESQAEALDTMLAARGMKIDAVLLAEPDCSKGFLLDGFPRTVAQADGRRLCRQCGGTYHMVFNSINVNKNSRFLIDGFPRQMDQAEAFDAQVCNSKFALFLDCAMVKSGRDLFLIDGFPRQMDQAEAFDAQVCNSKFALFLDCAMVKSGRDLFLIDGYPRNVAQADARAFDKGQPLDAVVQDDV |
| UniRef90_I4YEY4 | SINVNKNSRFLIDGFPRQMDQAEAFDAQVCNSKFALFLDC |
| UniRef90_M4BUB8 UniRef90 Q8PH23 | AMVKSGRDLFLIDGFPRNFDNLQGWQEAMPEDEFHVFFD <mark>C</mark> LGQADVAKGFILDGYPRNVAQA <u>N</u> ALDKIGQPLDAVVQLDV |
| UniRef90_F2E288 | E SSTAKR <u>V</u> LIDGFPR <mark>C</mark> EENR <u>I</u> F <u>E</u> K <u>II</u> GTEPD <u>LV</u> LF <u>F</u> D <u>C</u> |
| UniRef90_UPI00047BE1D5 UniRef90_UPI0002658ABC | S RDDTKAGEILIDGYPRNII IAQAAAII IDEII IGQKEDAAII IQII ITIVI |
| UniRef90_C7MTW8 | LAEPDAQSGFLL DGF PRNTK QADV LGEIL LEENGH SLDAVI |
| UniRef90_F8FA26 UniRef90_I2EYI5 | |
| UniRef90_R5BEP6 | QNNPDATG FIFDGFPRTVPQAEALDKFSEKIDLVLQLDV IKEADCENGFLEDGFPRTVAQAERIGGRRMCSGCGAGYHT |
| UniRef90_UPI00040A8D85 | THDDIVIAGYGYILLIDGEPRTIVIHQAEAILI <mark>C</mark> RILINAKRD <mark>C</mark> EILIDEAILI |
| UniRef90_W5M7G3 UniRef90_E6K016 | MQIPDAHG IVI DGFPRDVGQALSFEDQICTPDLVVFLAC LAMDDAKQGWI LDGYPRNAAQVEILTDLCTPLDRVVALHA |
| UniRef90_UPI000287AC21 | II IS ODD <mark>C</mark> K A GEIL LIDGE PRTIVIS OA T GRRIVI <mark>C</mark> A N <mark>C</mark> GA S V HIVIT V N |
| UniRef90_R5N8F4 UniRef90_Q6B341 | DAQTKGQGVI FDGFPRTI AQAKMLADRKDDMGMMLELVV LSKDDCQKGFLLDGFPRTI VAQADGRWICKTCGATYHTI FN |
| UniRef90_F5XNL9 | ILIA E F D C E G G F L L D G I F K I L A QV L I L D G G G I F L D A V L A L I A |
| UniRef90_Q7V9Y1 UniRef90_R6RL70 | I KY SEGWLLDGFPRNLAQASLLQNLLGRISQPIEIVL I SQED <mark>C</mark> KNGYILDGFPRTIPQAESL <u>TE</u> ALKARGTSI <u>D</u> HAV |
| UniRef90_K8ZAF1 | A K A D <mark>C</mark> D R G F D G F P R T M A Q A F R F K F <mark>C</mark> G A T Y H K Y N R |
| UniRef90_C8W6C6 | LSQPDCAKGFLLDGFPRTVDQAKGRRVCANCGAS <u>YHVI</u> FN |
| UniRef90_S3DS38 UniRef90_UPI0004575D6D | E K D K S G K G K F L I D G F P R K M D Q A K F E E T C P S K F V L F F D C C S T N T E G |
| UniRef90_C9LTF0 | L AKPDCKKGF IL DGFPRIAEQADGRR ICKSCGAIYH V KFN |
| UniRef90_UPI000347398D UniRef90_W5JJ81 | |
| UniRef90_A0A023NX27 | LISQDDVKNGFLLDGYPRNLAQADACDHCGQPCDAVVKLDV |
| UniRef90_M5AEQ3 UniRef90_UPI00022C8C48 | L S Q D D V K N G F I L D G Y P R N L A Q A D A L D H I G Q P L D A V V K L D V L A Q D D T K D G F M L D G Y P R S I V Q A E R Y I C R N C G A T Y H K L Y K Q E K A K K E K A T F L I D G Y P R E L E Q G L L F E K K V C P V D L I I F F D V L A E P D A V N G F I L D G F P R T T D Q A D S L E K I L A E E Q Q T L N A V V L A K E D C K E G F L L D G F P R T V A Q A E G R W L S K S T G K I Y H A K F N L E S D A O N G W L D G F P R N V S O A D E L V L K G D S F A K K V L L S C S T A K K V L L S C S T A K K V L L S C S T A K K V L L S C S T A K K V L L S C S T A K K V L L S C S T A K K V L L S C S T A K K V L L S C S T A K K V L L S C S T A K K V L L S C S T A K K V L L S C S T A K K V L L S C S T A K K V L L S C S C S T A K K V L L S C S C S C S C S C S C S C S C S C |
| UniRef90_UPI0003738968 | LAEPDAVNGFI LDGFPRTTDQADSLEKI LAEEQQTLNAVV |
| UniRef90_UPI00046881B2 UniRef90_UPI00047B6F5A | |
| UniRef90_H4GIT9 | |
| UniRef90_UPI00037333CC UniRef90_C1EJ92 | LAEADTAKGFMLDGFPRNLVQAERFICRNCGTTYHRLYNM LAEPDCSQGFILDGFPRTESQAVALDSMLEHKGLKINAVI AMKASGKERFLIDGFPRNKENRDWEVTAGYDCDFVLFFDC |
| UniRef90_UPI00035D9FF8 | A M K A S G K E R F L I D G F P R N K E N R D W E V T A G Y D C D F V L F F D C L Q L E D C S N G F I L D G F P R T L P Q A D S R R T C R D C S L G F H I R F D |
| UniRef90_M0RFY0 | L DSANDKF LI DGFPRDEENAAFEN TK EPEF VL Y L D <mark>C</mark> |
| UniRef90_D1VTM9 UniRef90_F4CWC3 | |
| UniRef90_UPI00047B5B11 | LADDON BORLL DGF PRTTAQADALAELLAET GDELDAVV LKEHRNAAGFI FDGF PRTVKQSEALDQYNESI SVMI ALVV LPEADAAGGAI FDGF PRTVAQAEMLAERGSGI DKVI RLKV SESDITKKGFL LDGYPRTI EQAHALDEI LSKLNLKLDGV I SETGSQKGRFL I DGF PRKMDQAVKFEETVCPAKLVLFFDC LSKDDVNDGYMLDGYPRNLEQADRFI CKTCGATYHKI YHL |
| UniRef90_U2YYK1 UniRef90_Q8DS33 | L P E A D A A G G A I F D G F P R T I V A Q A E M L A E R G S G I D K V I R L K V S E S D I T K K G F L L D G Y P R T I E Q A H A L D E I L S K L N L K L D G V I |
| UniRef90_A0A016PQ77 | SETGSQKGRFLIDGFPRKMDQAVKF <u>EE</u> TV <mark>C</mark> PAKLVLFFD <mark>C</mark> |
| UniRef90_UPI000248FFA2 | LISKDDVNDGYMLDGYPRNLEQADRFICKTCGATYHKIYHL |
| UniRef90_UPI00047AEC90 UniRef90_UPI0002DEA05E | LIGKDDCDKGELLDGEPRTVPOATGRWICPVCGTSVHTLEN |
| UniRef90_C6D4L8 | LAQDDCNKGFLLDGFPRTLQQATGRRICKACGSTYHVMFN |
| UniRef90_F0RJV9 UniRef90_F8KYP7 | LAQDDCNKGFLLDGFPRTLQQATGRRICKACGSTYHVMFNCTMEPVR IIFDGFPRTQAQANALDLLLEELGAPVSLEVISQPDSAQGVLLDGFPRTIAQAETRLTCTKGGHIFNRYFSLRKPDCDNGFLLDGFPRTVPQATGRRICKVCGTSYHLEFN |
| UniRef90_UPI0004708D00 | LRKPDCDNGFLLDGFPRTVPQATGRRICKVCGTSYHLEFN |
| UniRef90_U3IKN7 | VANLGDTKGFLIDGYPRELNEAKEFESKIGEPKLVFCLDC LQEPDAEKGFILDGFPRNCAQATGRVSCESCGAVFNTHTF ISEPDAENGYLLDGFPRNVAQAKVRRTCRDCGQLWHVEFD |
| UniRef90_UPI00036050D7 UniRef90_UPI000368C722 | I SEPDAENGYLLDGFPRNVAQAKVRRTCRDCGQII WHVEFD |
| UniRef90_X8K210 | L LRDDCKKGFLLDGFPRTVYQAEKRRVCKQCGASFHVVNI NEPDTAIGFFLDGFPRTVEQANALEELLRELGTKIDKVL LISEPDCENGYLLDGFPRTVYQADERRVCPSCGASYHLVYN |
| UniRef90_UPI000477209E UniRef90_V7I797 | N E P D T A G F F L D G F P R T V E Q A N A L E E L R E L G T K L D K V L L S E P D C E N G Y L L D G F P R T V Y Q A D E R R V C P S C G A S Y H L V Y N |
| O1111 (0100_ V 1 11 3 1 | ILIO E I D <mark>o</mark> e Notice ID Ot I K I IVII QADEKK <u>VIO</u> F 3 <mark>U</mark> GA 3 I II <u>E V</u> II N |

| Interest | | 130 140 150 160 |
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| JAMESSON DEPONDED 193225 A VITTUS & GOV V V & RAMILA R G R K D D N E EV V R TR LOW Y R D E TA PL LOW RESERVED 1932 AND | UniRef90_W9GE13 | D E <u>D A V V A</u> R L L K R A E <u>T E</u> G R A D D T E D V I R <u>E</u> R <u>Q</u> A L Y R R E T A P L |
| JARR890 JARR89 | | KPLVDDVCDSCGETLIQRPDDTEEALKVRLDAYENQTKPL |
| JARR890, AGA032CZE6 JARR890, BORCMO JA | UniRef90 W6JVT3 | DEDEVVGRLLRRAQTEGRADDTEEVIRERLAIYRRETAPL |
| JARKSBON BURKOMS BURKOMS SENDATE JARKSBON DEN HELD VIK RETTE BURK | UniRef90_A0A023CZE6 | PTKIVIAGIVICDRCGGTFFQRFDDKPFTAKNRII IDIVINII IKMNTPII |
| JARKSBON BURKOMS BURKOMS SENDATE JARKSBON DEN HELD VIK RETTE BURK | · . · . · · - . · · <u>-</u> . · · . · | P E E IV S IV E K IL L I Q K G K S S G K S D D N E IV V I IR N R IL IR E Y N E K T IL IP IV P P K IV P G K C D E C G G E II V H R D D D K E F A II I N R II K IV V K O O T O D II |
| Junkerson Junk | UniRef90_B0KCM0 | PPAIVID NIVI <mark>C</mark> D K C G A QIL L IQ R S D D KIL IE SIV VIK RIL IEIVIY E S Q T K PIL |
| June | UniRef90_UPI0003B6D245 | DTEAVVQRL LKRALEQGRADDTEEVIRRRLDVYHTETEPI |
| Junkerson Deptity | | PDEIVVIERIISGRRIINPOREDDKPEIVIKKRIIEIVIYREOLAPII |
| Junkergo 0,0895C2 JUNKERGO 1,0895C3 JUNKERGO 1,08 | UniRef90_P15700 | PEDLMLERL LERGKTSGRSDDNLESI KKRENTEKETSMPV |
| Junkerso D. 2780-22 D. D. D. E. V. A. R. L. T. Y. A. R. L. E. Q. G. R. A. D. D. S. E. A. I. R. H. R. Q. D. W. W. R. E. T. S. P. L. M. R. M. M. R. M. M. R. M. M. R. M. | | P E E IV IM E K R IL L IK R G E T S G R D D D N A E S II IR K R F R T F IV IE T S M P IV |
| Junkelso Manuman | UniRef90_U2TBC2 | D Q D E II V IA R IL IT K R A IL IE Q G R A D D S E E A II IR H R Q D IV IY IV IR E T S P IL |
| Junkergo (Jepton) Junkergo (Je | | PPAKDGVCDRCGGELLYQRADDNEATVQNRLDVNLKQTKPL |
| Jinkergo D, UP100031916D2F Jinkergo D, SSDA77 Jinkergo D, SSDA77 Jinkergo D, SSDA77 Jinkergo D, SSDA77 Jinkergo D, SSDA78 Jinkergo D, UP10004717CD2 Jinkergo D, SSDA78 Jinkergo D, UP10004717CD2 Jinkergo D, SSDA78 Jink | UniRef90_M8AUM5 | D C S E E E IL V IR R IL L IG R N Q G R A D D N II IE T II IR K R F R IV IF E E S S IL IP IV |
| Jinkergio Gosky2 Jinkergio Gosky2 Jinkergio Deboto 196026 Jinkergio Deboto 196027 Jinkergio Deboto 196026 Jinkergio Deboto 196026 Jinkergio Deboto 196026 Jinkergio Deboto 196027 Jinkergio Deboto 196 | UniRef90_UPI000381ABF8 | PREELIQRL LGRAQAEGRSDDNEETIRKRLAVYAEKTQPL |
| Junkergo (De) (De) (De) (De) (De) (De) (De) (De) | UniRef90_R9ADA7 | PPKKPMTDDVTGEPLIQRSDDTAETLWKRLETYHKQTDPV |
| Jinkel90 Q-582V8 Jinkel90 Q-19000471FGEE PL V Q-10 R S D D N A E S L L K K R N K Y Q T A P V L Jinkel90 Q-19000471FGEE PL D S L Y E R L L L R K Q Q E G R A D D N A E S L K K R N K Y Q F V N E K T A P V L Jinkel90 Q-19000471FGEE PL D S L Y E R L L L R K Q Q E G R A D D N A E S L K K R N K Y Q F V N E K T A P V L Jinkel90 Q-1900047230F3 PL N E K T A P V L Y R R L L L R K K Q Q E G R A D D N A E S L K K R R K Y P V N E K T A P V L Jinkel90 Q-190004021F3A P V R K R R R R V Q R L D D N A E S L K K R R K Y P V R K T A P V L Jinkel90 Q-1900047230F3 P N E K T A P V V R R G Q R R A D D N A E S L K K R R K R V Y M A Q T Q P L L Jinkel90 Q-1900047230F3 P N E K T A P V V R R G Q R R A D D N A E S L L K K R R K R L X V M A Q T Q P L Jinkel90 Q-1900047230F5 P N E V M A R R L L N R R R G R R A C V Y R R G Q R R A D D N A E S L L K K R R R L Q V Y R A Q T Q P L Jinkel90 Q-1900047230F5 P N E V M A R R L L N R R R R R R R R A D D D N A P E T V K K K R L R Q V Y R A Q T Q P L Jinkel90 Q-1900047230F5 P N E V R R G R R A C V Y R R G Q R R A D D N A E S L L K K R R R L Q V Y R Q C T Q P L Jinkel90 Q-1900047230F5 P N E V R R R R R R R R R R R R R R R R R R | UniRef90_D5E6Q3 | PPQNEGVCDSCGGQLYQREDDREEVIRQRLESYKNKTQPL |
| Jinkergo (Jepton Maria) Jinkergo (Jepton Mari | UniRef90_0P10002196D2F | PPKEAMKDDIITGEPLVQRSDDNAEALKKRLVITYHAQTAPV |
| Jinkel90 GMTX2 Jinkel90 JPI0003021F3A JP E K & E G E R L L L E R G K T S G R A D D N A E SI L R K R E R T F L E T S M P V Jinkel90 JPI0003021F3A JP E K K E G G L T T L M C R E D D N A E SI L R K R L R T F L L E T S M P V Jinkel90 JPI0003021F3A JR K E G D A C G G E L T T L M C R E D D N A E SI L R K R L R T F L L E T S M P V JINkel90 V9D.S6 JINkel90 V9D.S6 JINkel90 V9D.S6 JINkel90 V9D.S6 JINkel90 GSJ.932 JINkel90 GSJ.932 JINkel90 GSJ.932 JINkel90 GSJ.932 JINkel90 GSJ.932 JINkel90 GSJ.932 JINkel90 BSG1Y7 JINkel90 BSG1Y7 JINkel90 BSG1Y7 JINkel90 BSG1Y7 JINkel90 JPI00047280E1 JINkel90 JPI00047280E1 JINkel90 JPI00047280E1 JINkel90 JPI00047280E1 JINkel90 JPI00047280E1 JINkel90 JPI0004780E1 JPI JPI JPI JPI JPI JPI JPI JPI JPI JPI | UniRef90_UPI00047D7AD3 | DDEILVARLLERGKTSGRDDQDEEKIRNRYQEYNEKTAPL |
| | | PUNILLVIERILLIKKQQEGRADDNILEIII QHRILNVIY HTQTAPII PEAEMERRILLERGKTSGRADDNAFSII RKRERTEII FTSMPV |
| | UniRef90_A9KJH3 | PTKKEGUCDACGGELTURDDDKPETVAKRUNVYHNQTQPL |
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| | UniRef90_I0R8E0 | PDDSTITTRMSGRRACVIRDDDKPETVKKRLDVYHKQTQPL |
| Jinkelson | UniRef90_V9DJS6 | PEEVMRERIL LINRGKT SGRSDDNEESII LIKRFRT FVET SMPV |
| Jinkelson | UniRef90_G3J932 | PEKIVMEARL MERGKTSGRADDNAESI RKRERVI VETSMPV |
| JAIRGE90 MEBURS JAIRGE90 MEBURS A S E L VE R I A GR A K A G G R E D D N P E S V R K R L Q V Y T D S T A P V P D E MIV K R L L S R N Q G R V D D N P E S V R K R L Q V Y T D S T A P V P D E MIV K R L L S R N Q G R V D D N P E S V R K R L Q V Y T D S T A P V P D E MIV K R L L S R N Q G R V D D N P E S V R K R L Q V Y T D S T A P V P D E MIV K R L L S R N Q G R V D D N P E S V R K R L Q V Y T D S T A P V P D E MIV K R L L S R N Q G R V A D D N E S V R K R L Q V Y D A Q T A P V P D R R E R V M C D R V R R L L E R G K A S S G R A D D N P E S V R K R L Q V Y T R N S S M P V D R R D D L M A A R L L L E R G K S S G R A D D N P E S V R R Q Q V T F R N S S M P V D R R D D D R E M R R V M R D R V M R R R S C R A D D N E R V M R R L D R V R R S C R A D D N E R V M R R L D R V R R R S C R A D D R C R R R D D R C R R R R D D R R R R | UniRef90_UPI000472306F | _ |
| JAIRGE90 MEBURS JAIRGE90 MEBURS A S E L VE R I A GR A K A G G R E D D N P E S V R K R L Q V Y T D S T A P V P D E MIV K R L L S R N Q G R V D D N P E S V R K R L Q V Y T D S T A P V P D E MIV K R L L S R N Q G R V D D N P E S V R K R L Q V Y T D S T A P V P D E MIV K R L L S R N Q G R V D D N P E S V R K R L Q V Y T D S T A P V P D E MIV K R L L S R N Q G R V D D N P E S V R K R L Q V Y T D S T A P V P D E MIV K R L L S R N Q G R V A D D N E S V R K R L Q V Y D A Q T A P V P D R R E R V M C D R V R R L L E R G K A S S G R A D D N P E S V R K R L Q V Y T R N S S M P V D R R D D L M A A R L L L E R G K S S G R A D D N P E S V R R Q Q V T F R N S S M P V D R R D D D R E M R R V M R D R V M R R R S C R A D D N E R V M R R L D R V R R S C R A D D N E R V M R R L D R V R R R S C R A D D R C R R R D D R C R R R R D D R R R R | UniRef90_B8G1Y7 UniRef90_I4YEY4 | PEKTMEDRLAI RSKTSGREDDNI ESI RKRFKTFI QTSMPV |
| Jinkef90 UP10002658AC Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 S D D M A A R L L E R G K S S G R A D D N P E S I V R K R L G Q V Y R S E T A P L Jinkef90 L2EY15 Jinkef90 L2EY15 Jinkef90 L2EY15 Jinkef90 UP100040ABD85 Jinkef90 UP100040ABD85 Jinkef90 UP100040ABD85 Jinkef90 UP100047AC211 Jinkef90 UP100047AC201 Jinkef90 D680AC2 Jinkef90 C6R016 D1 K D Z J L L L L L L L L L L L L L L L L L L | UniRef90_M4BUB8 | N F RIVIM F F RIL LIF R G K T S G R S D D N A F A II IR K R F R T Y II ID S T M P IV |
| Jinkef90 UP10002658AC Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 C7MTV8 Jinkef90 UP100040AD85 Jinkef90 UP100040AD85 Jinkef90 UP100040AD85 Jinkef90 UP100040AD85 Jinkef90 UP100040AD85 Jinkef90 C7MTV8 Jinkef90 UP100040AD85 Jinkef90 C7MTV8 Jinkef90 UP100040AD85 Jinkef90 C7MTV8 JINKEF90 C7MTV8 JINKEF90 C7MTV | | PEDEMVKRIL ISRN QGRVDDNIJETI KKRIL QVYT DSTAPV |
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| JAIRGE90_JUPI00040ABD85 JAIRGE90_JUPI0002BACC1 JAIRGE90_SEKO16 JAIRGE90_SEKO16 JAIRGE90_SEKO16 JAIRGE90_SEKO16 JAIRGE90_SEKO16 JAIRGE90_SEKO16 JAIRGE90_SERO16 JAIRGE90_SERO16 JAIRGE90_SERO16 JAIRGE90_SERO17 JAIRGE90 | UniRef90_F8FA26 | PPARENVCDKCSGELYQRSDDTEEKVGTRLDEYINKTAPL |
| JAIRGE90_UPU000408D85 JAIRGE90_UPU000408D85 JAIRGE90_UPU000408D85 JAIRGE90_UPU000408D85 JAIRGE90_UPU000408D85 JAIRGE90_UPU000408D85 JAIRGE90_UPU000408D85 JAIRGE90_UPU000408D85 JAIRGE90_UPU000408D85 JAIRGE90_UPU000408D85 JAIRGE90_UPU00408D85 JAIRGE90_UPU00408D85 JAIRGE90_UPU00408D85 JAIRGE90_UPU00408D85 JAIRGE90_UPU00408D85 JAIRGE90_UPU00408D85 JAIRGE90_UPU00408D85 JAIRGE90_UPU00408D85 JAIRGE90_UPU00408B81E2 JAIRGE90_UPU0040B81E2 JAIRGE90_UPU0040B81E2 JAIRGE90_UPU0040B81E2 JAIRG | UniRef90_I2EYI5 | TEEELKNRLAERKKVSGRADDDEDKLIKRIDEYFSKTLHV |
| JAIRE990 | UniRef90_UPI00040A8D85 | NILIEIVIPEDIL LIIERTPILIY QRDDDKIVIETIVIK KRILIQIVIY QDQTEPIL |
| JAIRE990 | UniRef90_W5M7G3 | A S H R L K E R L E R R A E L Q G R P D D N P K A T E R R L T N F K Q N A L P L |
| Jinker90 | UniRef90_UPI000287AC21 | PPKKEGVCDRCGGQLTQRPDDREETVHERLEVNIKQQKPL |
| Jinker90 | UniRef90_R5N8F4 | DEETLMARLLNRALEQGRADDNEETLKKRFEVYRNQTAPL |
| Jinker90 | UniRef90_Q6B341 UniRef90_F5XNL9 | DTDEVVARLLKRAEI EGRSDDNEDTI RVRLQTYADOTAPI |
| JniRef90_C8W6C6 PKV PK PK PK PK PK PK P | UniRef90_Q7V9Y1 | |
| JAIRE190_UP1000347398D | | PKVEGT CDRCGGHEFY OREDDK PETVK NRI AVNI ESSK PI |
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| JAIRE190_UP1000347398D | | I E E E M Q K R L L JE R G K I S G R A D D N A E S I M K R F K I F IV E I S M P IV S A D T M K T R I F K O N O T S G C V D D S G E T I M K H I F T Y Y K IV T A P I |
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| JniRef90 | | SEOOCTERCI KRGESSGRSDDNAESII KKRENTYI INDTIVIGII |
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| JniRef90_UP10003738968 JniRef90_UP1000478681B2 JniRef90_UP1000478675A JniRef90_UP1000478675A JniRef90_UP100037333CC JniRef90_UP100037333CC JniRef90_UP100037333CC JniRef90_UP100035D9FF8 JniRef90_UP100035D9FF8 JniRef90_UP100035D9FF8 JniRef90_UP100035D9FF8 JniRef90_UP100035D9FF8 JniRef90_UP100035D9FF8 JniRef90_UP100035D9FF8 JniRef90_UP100035D9FF8 JniRef90_UP100035D9FF8 JniRef90_UP100047B5B11 JNIREf90_UP100047B5B11 JNIREf90_UP10047B5B11 JNIREf90_UP10047B5B11 JNIREf90_UP10047B5B11 JNIREf90_UP10047B5B11 JNIREf90_UP10047B5B11 JNI | UniRef90_M5AEQ3 UniRef90_UPI00022C8C48 | PKIVIAGI CUVICGSHDFYQREDDKPETIVKNRILIAVINILIKMNTPL |
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| JniRef90_UP100035D9F8 JniRef90_MORFY0 JniRef90_D1VTM9 JniRef90_F4CWC3 JniRef90_UP100047B5B11 JniRef90_U2YYK1 JniRef90_U2YYK1 JniRef90_U2YYK1 JniRef90_A0A016PQ77 JniRef90_A0A016PQ77 JniRef90_UP100024BFA2 JniRef90_UP100024BFA2 JniRef90_UP100024BFA2 JniRef90_UP10002DEA05E JNIL JNIL JNIL JNIL JNIL JNIL JNIL JNIL | UniRef90_H4GIT9 | PKVEGT CDV CGQHDFYQRDDDKPETVKNRLDVNIKLNTPL |
| JniRef90_UP100035D9F8 JniRef90_MORFY0 JniRef90_D1VTM9 JniRef90_F4CWC3 JniRef90_UP100047B5B11 JniRef90_U2YYK1 JniRef90_U2YYK1 JniRef90_U2YYK1 JniRef90_A0A016PQ77 JniRef90_A0A016PQ77 JniRef90_UP100024BFA2 JniRef90_UP100024BFA2 JniRef90_UP100024BFA2 JniRef90_UP10002DEA05E JNIL JNIL JNIL JNIL JNIL JNIL JNIL JNIL | UniRef90_UPI00037333CC | L L JDIVIA E E A L VIR R E D G S R R P D D R P E V VIR S R L E VIY R A Q T A P I |
| D D D D D D D D D D | UniRef90_UPI00035D9FF8 | PPAVANVCNSCGGELVQREDDKEDTLRNRMEVYHMQTAPL |
| D D D D D D D D D D | UniRef90_M0RFY0 | PEDELERRILSRN QGRADDNTETMRKRFRVFKESTLPV |
| D D D D D D D D D D | UniRef90_D1V1M9 UniRef90_F4CWC3 | ELQVPEDVVVERLLARGRSDDTEDVIRNRQQVYRDETAPL |
| D D D D D D D D D D | UniRef90_UPI00047B5B11 | DDNELLARL LNRGKTSGRPDQNEELLSKRIIQEYNSKTKPV |
| JniRef90_UP100047AEC90 | UniRef90_U2YYK1 UniRef90_Q8DS33 | . |
| JniRef90_UP100047AEC90 | UniRef90_A0A016PQ77 | PEAVMES RLLERGKTS GREDDNAES I RKRFRTFIETS MPV |
| JNIRE190_FORJV97 PDEELIGRIVERGROPVRSDDIEEVARRRQEVYRQEIAPL | | PKVIEGICUVCGGHDFYQRDDDKPETVKNRMNVNVKMNTPL |
| JNIRE190_FORJV97 PDEELIGRIVERGROPVRSDDIEEVARRRQEVYRQEIAPL | UniRef90_UPI0002DEA05E | PPKEPGVCDKDGGKLFQRDDDKLEVVTQRLDVNTA QTQPL |
| P P K Q E G C D K D G G E L V R R S D D D P N V V Q Q R L K V Y H E Q T A P L D N R E P D D D P N V V Q Q R L K V Y H E Q T A P L D N R E P D D D P N V V Q Q R L K V Y H E Q T A P L D N R E P D D D P N V V Q Q R L K V Y H E Q T A P L D N R E P D D D P N V V Q Q R L K V Y H E Q T A P L D N R E P D D D P N V V Q Q R L K V Y H E Q T A P L D N R E P D D D P N V V D R L Q V V A A K P V D D N R E P D D D P N V V D R L Q V V E Q T A P L D D D D P N V V D R L Q V V D R E Q T A P L D D D D P N V V D R L D D V D R D D D P N V D R D D D D P N V D R D D D D P N V D R D D D D D D D D D D D D | UniRef90_C6D4L8 | PPKQEGVCDKCGGELLYQRSDDTEEKVGTRLDEYIISKTAPL |
| P P K V E G V C D K D G G E L Y Q R A D D N P E T V T N R L E V N M K Q S A P L | UniRef90_F8KYP7 | PPKQEGICDLCGGELVRRSDDDDPNVVQQRLKVYHEQTAPL |
| Dinker D | UniRef90_UPI0004708D00 | P P K V E G V C D K D G G E L Y Q R A D D N P E T V T N R L E V N M K Q S A P L |
| JniRef90_UPI000368C722 PTTVEDVCDRCSGALFQRDDDKESTIRHALEVYNEQTAPI JniRef90_X8K210 PPKVEGICDRCGGELVQRADDTEETVKNRITVYKEQTMPL JniRef90_UPI000477209E SFVVDEEAVVRRMLSRGRTDDTEDVIRNRLRVYHAETEPL JniRef90_V7I797 PPMVKDTCDVCGTKVIQRKDDSIDTVVDRLDLYDRQTEPL | UniRef90_U3IKN7 UniRef90_UPI00036050D7 | PPQKEGI CDQCGGNLVHRADDTEETVVSRLQVYEEQTQPL |
| JniRef90_UP1000477209E | UniRef90_UPI000368C722 | PTTVEDVCDRCSGALEQRDDDKESTURHRLEVYNEQTAPI |
| JniRef90_V7I797 PPMVKDTCDVCGTKVTQRKDDSLDTVVDRLDLYDRQTEPL | | F F K IV E GIL IO D K O G G E IL V Q K A D D T E E T IV K N R IT T V Y K E Q T M P L S F V V D E E A V V R R M L S R G R T D D T E D V T R N R IT R V Y H A F T F P IT |
| | UniRef90_V7I797 | PPMVKDTCDVCGTKVIQRKDDSDTVVDRLDLYDRQTEPL |

| | 470 |
|--|--|
| UniRef90_W9GE13 | A A H Y E Q A GL L VQV D G M G E V D E V T E R I L A A L L |
| UniRef90_R6R7V4 UniRef90_UPI000219323E | I D Y Y A K E G L L K E V N G L Q S I D D V F N D L T N L L E L D F Y R E L D L L V D V D A E G T V E D I S S A T L D A L D K A A L Y L E R G L L V Q V D G E G E I D E V S E R I G A A L D T |
| UniRef90_W6JVT3 UniRef90_A0A023CZE6 | A A Y L E R G L |
| UniRef90_B5JL76 UniRef90_A0B9A2 | L N F Y K E K G L |
| UniRef90_B0KCM0 UniRef90_UPI0003B6D245 | I E Y Y T K K N T L V N I D G N K S V E E V F E D I K K Å L I D I Y R E R G L L I E V D G L G P I E E V A G R V H K A L E A V D V Y R D M G L L V Q V D G L G D I D E V T E R I Y A A L S |
| UniRef90_G9PH32 | V D V Y R D M G L L V Q V D G L G D L D E V T E R L Y A A L S |
| UniRef90_O66490 UniRef90_P15700 | I EYYKKKGL LRII DASKPVEEVYRQVLEVI I EYFETKSKVVRVR <mark>C</mark> DRSVEDVYKDVQDAI LDYYAAKGNLSRINGVGSLEQVTELIKKEL |
| UniRef90_T0F470 UniRef90_Q5B5C2 | L |
| UniRef90_U2TBC2 UniRef90_E5WSZ4 | VTEFEKQDKVISVAATGTVEEVYERI QAGFEK VDVYSKRGLLVEVDGLGEIDEVAERVRAAL LDFYETKGYLRNIDGQQDLNKVFSDLDALLGGLQ |
| UniRef90_V9L339 UniRef90_M8AUM5 | VKYFQERSLIVTLDADRDEEEVFYDIAVTVDN VQYYDSKGKVKKINAAKPIPEVFEDVKTIFQS VDYYARTGNLKAIDGLGSMDEVYSRIQSALN |
| UniRef90_UPI000381ABF8 UniRef90_R9XDA7 | V D Y Y A R T G N L K A I D G L G S M D E V Y S R I Q S A L N VE Y F D K Q Q K V V R L S C D Q P V E E V Y K Q V E A A V K |
| UniRef90_G0SXY2 | ADYYKKKGI WTGVDAAQSPKTVWASLSKI FEETK |
| UniRef90_D5E6Q3 UniRef90_UPI0002196D2F | VEYFORQKVVRLSCOQPVEEVYKQVEAAVK ADYYKKKGIWTGVDAAQSPKTVWASLSKIFEETK IDYYANKNLVVHINGEKDINSVFDDIRVVLDK LDFYKDRGILHSVDGDRDIADVSKDIDKILSNLN CDYYKKTGIWRGIDASQEPGQVWKSLLGVFNN |
| UniRef90_Q5B2V8 UniRef90_UPI00047D7AD3 | LDFYKGQNKFYAVNGIGSIAEITERLSSVIDNL |
| UniRef90_UPI000471FCEE UniRef90_G4MTX2 | A A Y Y K N Q N L S T S I D G V G T V G E V T A R L F D V V D T L V D H Y E K E N R V V K I D A T P S P D Q V S K E T Q K R I E S |
| UniRef90_A9KJH3 UniRef90_UPI0003021F3A | INYYHGLGLLEEVDGTKEALEVFEDITGILGKV LDYYGDKGYLVDVNGDQHIDDVFVOIDFKIGGI |
| UniRef90_R7JL55 UniRef90_I0R8E0 | DFYKDRGILHSVDGDRDILADIVSKDILDKILSNIN DYYKKTGIWRGIDASQEPGQVWKSLLGVFNN DFYKGQNKFYAVNGIGSIAEITERLSSVIDNL AAYYKNQNLSTSIDGVGTVGEVTARLFDVVDTL VDHYEKENRVVKIDATPSPDQVSKETQKRIES INYYHGLGLLEEVDGTKEALEVFEDIIGILGKV LDYYGDKGYLVDVNGDQHIDDVFVQIDEKIGGL IDYYKKANVLVEVDGTQDINVVFQDIVKIL IDYYDNENILANVDGTKDMEEVFEDIVAVL |
| UniRef90_V9DJS6 | VD M F E K D G K V V K V S A V G D V G E V Y E H V V E G L A S M S G W Y D S E G L L T Q I D A I G A V E E V T Q R A M S A L E A V D Y Y E K Q G K V V K V E A V T S A D E V F A E T Q K R L |
| UniRef90_D2SH82 UniRef90_G3J932 | VDYYEKQGKVVKVEAVTSADEVFAETQKRL |
| UniRef90_UPI000472306F UniRef90_B8G1Y7 | L P Y Y E S A G R L R Q I D G M Q D V Q S V H E A I V S A L I D Y Y R E K G L L K E I N G D Q D I A Q V L Q D I V D A M E I E Y Y K S L G K C I Q V D C T P A I D E V Y Q T L K A I V |
| UniRef90_I4YEY4 UniRef90_M4BUB8 | I |
| UniRef90_Q8PH23 UniRef90_F2E288 | I QHYEEQDKVFKVDATRGVDDVFAATSAVIQPLIGFYEQRGKLARVDGVGSLDEVLERISKALVEYYSSRGKAHKINATGTEDEIFEAVRKLFSSLR |
| UniRef90_UPI00047BE1D5 UniRef90_UPI0002658ABC | I E F Y R Q H G Q L T V V D G V G S L D E V F Q R I T I E A L A P A K V E K Y A S M V V T I P A T D P V D V V F G K V V A F M D K L |
| UniRef90_C7MTW8 | TIEYYSD II I VIIIVIDGII IGDIVIDEIVISARIVI IDAII I |
| UniRef90_F8FA26 UniRef90_I2EYI5 | L P Y Y Q N Q G K V V K V N G I G E I E S I F N A I <mark>C</mark> S A I D E A K |
| UniRef90_R5BEP6 UniRef90_UPI00040A8D85 | I EYYTNRGNLSRVNGDDAPDNVYADVVAATERLK I EFYEDKQKI I NI NGLQHMNDVFENI EEL LSGVN |
| UniRef90_W5M7G3 UniRef90_E6K016 | I EFYEDKQKI I NI NGLQHMNDVFENI EEI LSGVN VKYFQEKGLI VTLDADRDEEDVFYDI SVTVDN LALYKERGLL LSVDGVGRI DEI SRTI I SQLDQV |
| UniRef90_UPI000287AC21 UniRef90_R5N8F4 | VTFYKGKNVLKKINGDQPIDRVFEEVSRVLGAI AEWFEKEGLRHTFNWKGSKEQMLAEIFEAIDAAN LDFYSQKGVLKDIDGQQDIKKVFVDINDLLGGLR |
| UniRef90_Q6B341 UniRef90_F5XNL9 | I IFIVIY G N H GIL I VIFIVID GIL IG GIL IF FIVIS F RIVIF A A IL ID |
| UniRef90_Q7V9Y1 UniRef90_R6RL70 | VIDHYKKQGILKSING <mark>C</mark> GSVEDVNSRIKEALS |
| UniRef90_K8ZAF1 | L E F Y A K E G V L H N V D G D R D II D D V F A D V K T I I E T I D Y Y G K Q G L L K N I D G D Q D I K K V L A D I L A A V K V D Y F E K Q G R V V K V I A T Q T P E A V Y K E T R G K L E Q I E H Y K G K Q L I Y K I N A E E N P D A V F L Q I C E V I D S V Q I A Y Y E K A G V Y K E I D G R Q P I D D V K A A M I A A L K I E F Y D R K G S L Q A V N G N R P P E V V S A A L K E L Q |
| UniRef90_C8W6C6 UniRef90_S3DS38 | V D Y F E K Q G R V V K V I A T Q T P E A V Y K E T R G K L E Q |
| UniRef90_UPI0004575D6D UniRef90_C9LTF0 | I E H Y K G K Q L L Y K I N A E E N P D A V F L Q L C E V I D S V Q I A Y Y E K A G V Y K E I D G R Q P L D D V K A A M L A A L K |
| UniRef90_UPI000347398D UniRef90_W5JJ81 | |
| UniRef90_A0A023NX27 UniRef90_M5AEQ3 | A D F F E R R G K L |
| UniRef90_UPI00022C8C48 UniRef90_UPI0003738968 | VNHY KDKVLRINAEGSVDDIFAEVSKALDAL IAYYGDR IRTVDAIGDIDEVHORIIRAVSA |
| UniRef90_UPI00046881B2 UniRef90_UPI00047B6F5A | L D F Y E Q R G Y L R T V N G D Q D L N K V F E D L S N T V |
| UniRef90_H4GIT9 UniRef90_UPI00037333CC | I E F Y D R K GS L Q A V N G N R P P E V V S A A L K E L L Q L K H Y D Q E Q L V K K I D A S V S P D E V F E H V K A A F E Q Q K A D F F E R R G K L Q V V N G V G E L D E V T A R V K R A L A S V D Y Y T K K G L L F T V D G D R D I D D V Y V D I E K I L K N L V N H Y K D K V L R I N A E G S V D D I F A E V S K A L D A L I A Y Y G D R I R T V D A I G D I D E V H Q R I L R A V S A L D F Y E Q R G Y L R T V N G D Q D I N K V F E D I S N I V I D Y Y G Q R N Q L D S I N G N R S M D E I T Q E L K Q V V S A I D F Y E Q Q G V L Y N I D G E Q D I D K V Y S D V K K V L T S L L P Y Y E Q N G R L K R I D G M Q T V E N V A K K I D D L L P Y Y E Q N G R L K R I D G M Q T V E N V A K K I D D L L P Y Y A G I K K V R S V N S D O S P D E V Y A O T K G H F A A F |
| UniRef90_C1EJ92 | VDYYAGÜKKVRSVNSDQSPDEVYAQTKGHFAAF |
| UniRef90_UPI00035D9FF8 UniRef90_M0RFY0 | I MHY DLK GKVRKVDAAK PVDEVFEDVKVI FAPL |
| UniRef90_D1VTM9 UniRef90_F4CWC3 | I D Y Y K A Q D L L L N I N G E S D I K K V F D D I V Q G L S L D Y Y R D R L V T V D A V G E V A E I T D R V F A A L |
| UniRef90_UPI00047B5B11 UniRef90_U2YYK1 | ADYYQEQGKFVAIIDGIIGEIIDFIIFEEIITKAIISTV LPYYEGKGKLVEIIDGMGGIIDEVATALDAVLDA |
| UniRef90_Q8DS33 UniRef90_A0A016PQ77 | I E Y Y R N K G L V Y D I E G N Q D I N L V F E T L A K V L A N L V D R F E E V G K V L K L D A T P F P D F V Y A N T F K A I |
| UniRef90_UPI000248FFA2 UniRef90_UPI00047AEC90 | L P Y Y E Q N G R L K R I D G M Q T V E N V A K K I D D L L V D Y Y A G L K K V R S V N S D Q S P D E V Y A Q T K G H F A A F E D Y Y R K N G L L K T V D G M A S I D S V Q G Q I L D I L Q A I I M H Y D L K G K V R K V D A A K P V D E V F E D V K V I F A P L I D Y Y K A Q D L L L N I N G E S D I K K V F D D I V Q G L S L D Y Y R D R L V T V D A V G E V A E I T D R V F A A L A D Y Y Q E Q G K F V A I D G I G E I D F I F E E I T K A I S T V L P Y Y E G K G K L V E I D G M G G I D E V A T A L D A V L D A V L P Y Y R N K G L V Y D I E G N Q D I N L V F E T I A K V L A N L V D R F E E V G K V L K L D A T P E P D E V Y A N T E K A L V D F Y E E K G L L Y T V N G E Q Y I D K V Y K E I K Q I L S N L A G F Y E G E G L L R N I D G E R D I P V T A R A L A A I D Y Y A A Q G L L R N I D G E R D I D T V T A E I V S C L |
| UniRef90_UPI0002DEA05E | TDYYAAQGLLRNIDGERDIPVVFAEVSSLL |
| UniRef90_C6D4L8 UniRef90_F0RJV9 | L E H Y Q R T G R L T E V D G E K E II D I V I A E II V S C L I S T A R |
| UniRef90_F8KYP7 UniRef90_UPI0004708D00 | V E F Y Q K R N V L L P V N G E R S P E Q V F A D L M N H V N T L K L S F Y D G K G V L T T T T T T T T T |
| UniRef90_U3IKN7 UniRef90_UPI00036050D7 | L D Y Y N G K G L L R E V D G E K E L D T V T A E I V S C L I E H Y Q R T G R L T E V D G T G T M D E V Y A R I E Q V I S T A R V E F Y Q K R N V L I P V N G E R S P E Q V F A D L M N H V N T L K L S F Y D G K G V L T N I N G Q Q D I N D V F H D V D A V L T T I A Y Y E K K A Q L C K V D A E A T P E D V F L E V C K S I D S F I E Y Y D T R G L L K H V D G T R D M E R I F D E I R G L L D |
| UniRef90_UPI000368C722 UniRef90_X8K210 | V D Y Y A D R S L L V G V D A T G T V E D V T E R A L A A L H R M E I D Y Y T K A N N I T T L D G S T P L D Q C F A E L V E V L L G H Y A G S I V T V D A M G S I G D V N A R A R A A L D A |
| UniRef90_UPI000477209E | L G H Y A G S I V T V D A M G S I G D V N A R A R A A L D A |
| UniRef90_V7I797 | I E Y Y L A K G T L R V V D G T Q A L P V V F E S T V K L L |

| U. D. (20 T40400 | | 40 |
|---|--|--------|
| UniRef90_T1G1C3 UniRef90_UPI000369FAAC | N A I L L G P P G S G K G T Q A P K L S E K F <mark>C S C</mark> H L S T (T R L L I <u>I</u> G P P G A G K G T Q A A A I A E R Y G V P A I S T (| G |
| UniRef90_G2FPG0 | TRILLIGPPGAGKGTQAAAIAERYGVPALSTORI LMGGPGAGKGTQANPLVERFKLPHISTOSKPPVVFVLGGPGSGKGTQCERLAKEYGYVHLSAONIVLMGLPGAGKGTQADEIVKKYDIPHISTO | G |
| UniRef90_I4X7N5 | NI V LMGLPGAGKGT QADEI VKKYDIPHIST | G |
| UniRef90_K9FJZ7 UniRef90_Q6NMK6 | DKEKADE I TEVI I G G D G G K G T O C E KI VIETE G I O I I I S A G | |
| | RIVLIGPPGAGKGIQAQKILADKILGIPQISI | |
| UniRef90_UPI0002B47885 | RIVLLGPPGAGKGTQAQKLADKLGIPQISTO LNIILVGPPGSGKGTQAERMIQKYGFISIALO KKPVIFVLGGPGCGKGTQCSLISKKFDMAHISAO TRMLIVGPPGSGKGTQAEWISDRLGIVAISTO RLILLGPPGAGKGTQAARLASRLGVPAISTO VTVIFVLGGPGAGKGTQAARLVDQYGFTHLSAO | G |
| UniRef90_A9WST7 UniRef90_UPI0003B6E263 | T R M L I V G P P G S G K G T Q A E W S D R L G V A S T (R L L L G P P G A G K G T Q A A R L A S R L G V P A S T (| |
| UniRef90_J3NJZ9 | VTVIFVLGGPGAGKGTQ <mark>C</mark> ARLVDQYGFTHLSAG RLVLVGPPGAGKGTQAA <u>V</u> LSEQLSVPHISS | Ğ |
| UniRef90_UPI0002B47885 UniRef90_UPI0002B47885 UniRef90_A9WST7 UniRef90_UPI0003B6E263 UniRef90_J3NJZ9 UniRef90_A4FPK1 UniRef90_K7RQN1 UniRef90_UPI0002483D3C | RLVLVGPPGAGKGTQAAVLSEQLSVPHISSC RLLIIGAPGAGKGTQATAIAEHYGIPAVST RLVLLGPPGSGKSTQAAALAARWQIPSLST | G |
| UniRef90_UPI0002483D3C UniRef90_D6Y535 | R L V L L G P P G S G K S T Q A A A L A A R WQI P S L S T (R V V L V G P P G A G K G T Q A Q Y I A S H L S V P K I S T (| G G |
| UniRef90_A0A022QAM8 UniRef90_R5S7S1 | VSDRRRIPFVTFVLGGPGSGKGTQCTRIVENFGFTHLSAG | G |
| UniRef90_A3DJJ3 | R L V L <u>L</u> G A P G A G K G T Q A <u> V V </u> | G |
| UniRef90_F7NF76 UniRef90_K2B6F0 | L L MG P P G A G K G T Q A A K L V E K Y Q P H S T 0 R F L L G A P G A G K G T Q A K Q L T E R Y K V Q S T 0 | |
| UniRef90_UPI0000F624FA | S E K Y P K G R A V L L G P P G A G K G T Q A P K L A K N F C V C H L A T C A R R L L I V G P P G A G K G T Q A E R I A A A L S I P A I S T C | |
| UniRef90_V6K7F8 | RIVLVGPPGAGKGTQAAYLAENLSIPHIST | G |
| UniRef90_C6HW99 UniRef90_V6IU76 | SEKYPKGIRAVLLGPPGAGKGTQAPKLAKNFCVCHLATO ARRLLIVGPPGAGKGTQAPKLAKNFCVCHLATO RIVLVGPPGAGKGTQAERIAAALSIPAISTO IVFIGPPGVGKGTQAAYLAENLSLPHISTO NLILMGLPGAGKGTQAERIVDKFSYPHISTO RVILLGPPGAGKGTQAERIVDKFSYPHISTO | G |
| UniRef90_UPI0000F624FA UniRef90_Z9JW75 UniRef90_V6K7F8 UniRef90_C6HW99 UniRef90_V6IU76 UniRef90_UPI0003B320C6 UniRef90_X1GJU8 UniRef90_H1XTN4 UniRef90_UPI00029A8397 UniRef90_G3BAI4 UniRef90_G3BAI4 UniRef90_UPU00049A8397 UniRef90_BQS41 UniRef90_U2WUA7 UniRef90_R9ARL8 UniRef90_R9ARL8 UniRef90_UPI0004413195 UniRef90_B8D0S9 UniRef90_B8D0S9 UniRef90_B8P3A6 | RVILLGPPGAGKGTQAQFITEKFGIPQISTO IIFVGAPGAGKGTQAAAVAQELNLAHIASO | G |
| UniRef90_H1XTN4 | I I FVGAPGAGKGTQAAAVAQELNLAHI ASO I I LFGAPGVGKGTQAKL I SQKYHI PQI STO RI VLVGPPGAGKGTQAAFLARNLSI PHI STO | G |
| UniRef90_UPI00029A8397 UniRef90_G3BAI4 | R | |
| UniRef90_B3QS41 | KISVVĖVLGGPGAGKGTQCAKLVQQKGFVHLSAG I I LFGPPGVGKGTQAKI LSEKHQLAHISTG LIFLGPPGAGKGTQAARLESNHNLRQLSTG | |
| UniRef90_R9ARL8 | S Q E L R MI L I G P P G A G K G T Q A P N I V N K Y N V C H L A T C | G |
| UniRef90_A0A024SIK0 UniRef90_UPI0004413195 | S Q E L R MI L I G P P G A G K G T Q A P N I V N K Y N V C H L A T O V T V V F V L G G P G A G K G T Q C A R L V A E Q G F T H L S A O V I Y V L G G P G A G K G T Q C A R L V E E F D F V H L S A O | |
| UniRef90_B8D0S9 UniRef90_A8F9A6 | N | |
| UniRef90_K7FVM3 | EDVRKSNI FVVGGPGSGKGTQCEKLAQKYGFIHLST | Ğ |
| UniRef90_I0K3T9 UniRef90_F3ZJ22 | LNL V L F G P P G A G K G T Q S E S L I K K Y H L V H L S T (R L V L V G P P G A G K G T Q A A F L A K K L S I P H I S T (| G |
| UniRef90_E2ZE45 UniRef90_R6LQE6 | VI YV L G G P G A G K G T Q C A R L V E E F D F V H L S A G N II V L L G L P G A G K G T Q A K K M S Q E Y N L P H I A T G N L V L M G L P G A G K G T Q A E R I V D D Y G I P H I S T G E D V R K S N I I F V V G G P G S G K G T Q C E K L A Q K Y G F I H L S T G L N L V L F G P P G A G K G T Q S E S L I K K Y H L V H L S T G R I V L V G P P G A G K G T Q A A F L A K K L S I P H I S T G M G P P G A G K G T Q A E R L I E K Y G I P Q I S T G I I M L G A P G A G K G T Q A K K I A A K Y G I P H I S T G | |
| UniRef90_G8RKD6 | RVVLIGPPGAGKGTQAKKIAAKYGIPHISTO | G |
| UniRef90_W2S6J8 UniRef90_UPI000477615D | LNLVLEGPPGAGKGTQSAKLKEKYQL LHLST | G |
| UniRef90_V3Z5F5 UniRef90_W4KJU3 | I R TILLIGPPGSGKGTQAPRIIRDQFCVCHI A T | G |
| UniRef90_G9WKK8 UniRef90_Q8RE31 | I I ML GAP GA GK GS QASRI AN EYHL PHI STO | G G |
| UniRef90_R7VI69 | VPSDQANGLNALL LGPPGSGKGTQAPKLAEKYCACHLST | Ğ |
| UniRef90_U6IT31 UniRef90_X2H548 | RIV VIEW LIGPP GS GK GS II CKII I GP R Y A F K HILIS A C | G |
| UniRef90_J9JQL8 UniRef90_Q1QN09 | P T I V I WILL I G G P G S G K G T II I C D K II V I A K Y G F T H II I S T (| G |
| UniRef90_B4RU55 UniRef90_UPI00041D7214 | RLILLGPPGAGKGTQAQRLVHHHGIVQLSTORILLGAPGAGKGTQAQFLMGKYGIPQISTORLLLGPPGAGKGTQAQRLVDRYGIVQLSTORLLLLGPPGAGKGTQAQRLVDRYGIVQLSTO | Ğ |
| OTHINGISO_L TOON | PKVVFVLGPPGCGKGTQCMKLAKNLGLKHLSA | G |
| UniRef90_Q8VY84 UniRef90_W1Q3J2 | PKVVFVLGPPGCGKGTQCMKLAKNLGLKHLSAGKKSTVVFVLGGPGSGKGTQCANVVKHFSYTHFSAGNILLLMGLPGAGKGTQSERLVKDYQLVHLATG | G G |
| UniRef90_M7SCE9 | IVITIV VIFIV LIGGPGAGKGT QCARIL VISDYGFT HILISA (| G |
| UniRef90_R6UMZ9 | NILI I M G G P G A G K G I M S A K II V IE K F N IV IN H II IS I (| Ğ |
| UniRef90_D5QH99 UniRef90_E4TB16 | NI I <u>FL</u> GPPGAGKGTQSKLLEA <mark>H</mark> YGI AQI STO NI VLFGPPG <u>S</u> GKGTQAQ <u>N</u> LIEKFNLKQI STO | G |
| UniRef90_C4FGP1 UniRef90_UPI00037A080E | RILLIMGPQGIVIGKGTQAAILLIAFHYGILIPAILIST(| G |
| UniRef90 R6SWG3 | NILLLIGAPGAGKGTOSAKIISEKYGIIPAILIAT(| G |
| UniRef90_J3SBS3 UniRef90_UPI0003B5D63C | NII V L IM GIL IP G A G K G T Q A S RII L IE IV L IDII IP HII IS T (| G |
| UniRef90_H2FWU4 UniRef90_UPI00046FAE90 | | G G |
| UniRef90_UPI0003822156 UniRef90_UPI00035CB2CF | NLILFGPPAAGKGTQAKRLVEEYGYVQLSTO QPRNKVVIFLGPPGAGKGTQAERLAREQGLTKISTO | Ğ |
| UniRef90_O93986 | K N S II IR MIV V IM G P P G S G K G T Q A P K IV IK D T Y C II IC H II IA T (| G |
| UniRef90_G8RNF9 UniRef90_R7D4N6 | NLVLLGAPGAGKGTQAQRLVAEFGVAHIST | G |
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| UniRef90_J6UG15 | RLILTGPPGAGKGTQAQRLVQSHGIVQLST(| G |
| UniRef90_L8WKD1 UniRef90_C1E4W0 | PKKII VI IA GA PA S GK G T Q C EIL I VID K Y GIL IE HII IS A (| G |
| UniRef90_C0QQP4 UniRef90_UPI000225E9BF UniRef90_D6S471 | A K T L I F L G P P G A G K G T Q A Q R L V E E K G F V Q L S T (| G G |
| UniRef90_D6S471 UniRef90_A0A059LER9 | NII I I I I I I I I I I I I I I I I I I | G |
| UniRef90_K2PGS8 | RVVEVLGGPGSGKGTQSSRLVEEFGVVHLSAG RLILLGPPGAGKGTQAQRLVEKHGIPQLSTG | Ğ |
| UniRef90_R5FXS6 UniRef90_S0FHU9 | RLLIMGAPGAGKGTQAALIKEAYNIKHISTO IVLLGAPGAGKGTQAKTISEKLSIPHISTO QKVTVVYILGGPGAGKGTQSAHLVSDYGFTHLSAO | G G |
| UniRef90_W2RRI5 | QKVTVVÝÍ LGGPGAGKGT QSAHLVSDYGFTHLSAO LRTLLIGPPGAGKGTQAPRIRDEF <mark>CVC</mark> HLATO | Ğ |
| UniRef90_A8PAA1 | EKTELIGPPGAGKGIQAPKIIKDEF <mark>UVG</mark> HEAI | J |

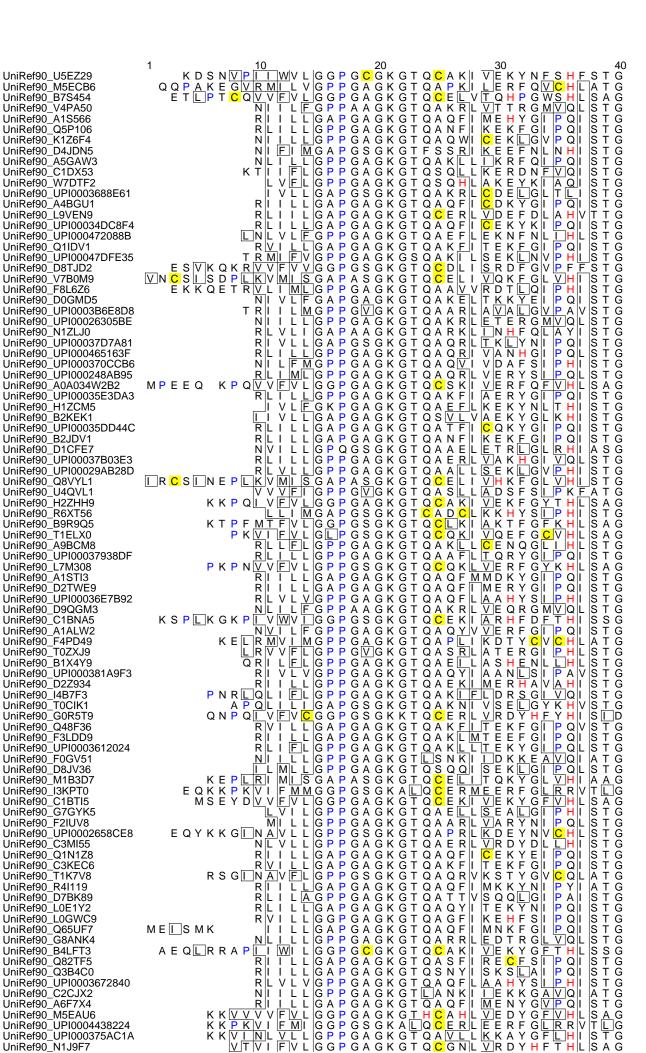
| June 890 J. 1101C3 June 8 | | 50 60 70 80 |
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| Jimengo Cappego | UniRef90_T1G1C3 | D M[_]R A [_V V A S G S D L G K R [_V K V M D D G N L V S D D L _V V E [_ I D D N |
| Jinkergo D7FPH2 | | DILIFRANI KGGTELIGKRIVQAILIEKGELVIPDSLITNEI VI QDR |
| Junkelgo 147715 | UniRef90_D7FPH2 | E L L R Q E R A S G S S D G Q L I D D Y I A E G R I V P V A I S L A L L R K A M |
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| Johnsen D. 19 F. A. A. N. V. S. E. G. T. P. L. G. L. A. K. K. Y. M. D. A. G. D. Y. V. P. D. S. V. T. N. K. M. Y. A. A. R. M. P. M. G. S. D. L. F. R. A. N. V. S. E. G. T. P. L. G. L. A. K. K. Y. M. D. A. G. D. Y. V. P. D. S. V. T. N. K. M. Y. A. A. R. M. P. M. G. M. P. J. R. M. S. G. T. E. L. G. N. D. A. A. R. M. J. M. R. D. S. D. L. F. R. A. N. V. S. E. G. T. P. L. G. L. A. K. K. Y. M. D. A. G. S. T. V. P. ME V. T. T. Q. L. V. P. D. D. L. T. N. G. M. Y. B. A. G. R. T. V. P. ME V. T. T. Q. L. V. P. D. D. L. T. V. D. L. M. R. D. S. D. L. R. R. G. N. D. S. D. L. G. K. Q. A. A. T. M. D. A. G. E. L. V. P. D. D. L. T. V. D. L. M. R. D. A. G. S. D. L. R. R. D. A. G. S. D. L. G. K. Q. A. A. T. M. D. A. G. E. L. V. P. D. D. L. T. V. D. L. M. R. D. S. D. J. R. R. D. A. G. S. D. L. G. K. Q. A. A. T. M. D. A. G. E. L. V. P. D. D. L. T. V. D. L. M. R. D. S. D. J. R. R. D. A. G. S. D. L. G. K. Q. A. A. A. T. M. D. A. G. E. L. V. P. D. D. L. T. V. D. L. M. R. D. S. D. J. R. R. D. A. D. J. R. R. D. A. S. D. L. G. K. Q. A. A. A. K. E. Y. M. D. R. G. L. V. P. D. D. L. T. V. D. L. M. R. D. S. D. J. R. R. D. A. J. R. R. D. A. J. R. R. D. A. J. R. J. R. D. J. R. R. D. J. R. J. R. D. J. R. R. D. J. R. | UniRef90_K0P5J9 | AL LRQQLAENGANKSRIEAYLNNGQL VPDDISFQII REL |
| Junkel90 JANJUZ9 JUNKEL90 JANJUZ9 JUNKEL | | DI FRANVK GET PIL GIL FAKKYMDAGDYVPDSVTNKMV RDR |
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| Johrsenson, 2002/20AMB DI F. R. A. N. V. S. R. G. T. E. L. G. K. L. A. K. E. Y. M. D. R. G. E. V. V. D. D. E. V. T. V. A. L. V. Q. A. E. J. Johrsenson, 2002/20AMB DI J. R. R. B. V. S. R. G. T. E. L. G. K. K. A. K. E. Y. M. D. R. G. L. V. V. D. D. E. V. T. V. K. L. Q. A. K. J. Johrsenson, 2002/20AMB DI J. R. R. B. V. S. A. G. T. E. L. G. K. K. A. K. E. Y. M. D. A. G. L. V. V. D. D. E. V. V. D. D. V. V. D. D. J. R. R. B. V. S. A. G. T. E. L. G. K. A. K. E. Y. M. D. A. G. L. V. V. D. D. E. V. V. D. D. W. K. D. R. J. R. | UniRef90_K7RQN1 | DILIERANII IKGGTEILIGKKIVIKAILIMDAGEIL VIPDOIVITDEIL VILADR |
| Johnsendon Adado Adamo | UniRef90_UPI0002483D3C | DIL LIR DAII IS A QS DIL IG K QA QT HVET GEIL VIP DDIL I VIDLIMR DS F |
| Juriker900 C857S1 Juriker900 C857S1 Juriker900 C857S1 Juriker900 C857S1 Juriker900 C857S1 Juriker900 C850S1 Juriker900 C850S1 Juriker900 C850S1 Juriker900 C850S1 Juriker900 C850S1 Juriker900 C850S1 Juriker90 C8 | UniRef90_A0A022QAM8 | DIL I IR H F II IS S N T F N G S MIL I IN T II IK F G K II V IP S F IV IT IV IK II I IQ K A II I |
| Jinkel90 | UniRef90_R5S7S1 | D F R E N K N G T E L G K K A K E Y M D A G N L V P D E L V <mark>C</mark> D L V V D R |
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| Jurikef90_ ADA024SIKD Jurikef90_ ADA024SIKD Jurikef90_ ADA024SIKD Jurikef90_ BBD0S9 Jurikef90_ BBD0S9 Jurikef90_ BBD0S9 Jurikef90_ BBD0S9 Jurikef90_ ABE9A8 DIL L R E Q M R R E G S E F S K L L Q D C I K N G T I V P M E V T I K L L E N A M D L L R E Q M R E G S E F S K L L Q D C I K N G T I V P M E V T I K L L E N A M D L L R E Q M R E G S E F S K L L Q D C I K N G T I V P M E V T I K L L E N A M D L L R E Q M R E G S E F S K L L Q D C I K N G T I V P M E V T I K L L E N A M D L L R E Q M R E G S E F S K L L Q D C I K N G T I V P M E V T I K L L E N A M D L L R E Q M R E G T P L G K E A K K Y L D D K G E L V P D E V T I G I V R E R R R R P G S Q L V P D E V T I G I V R E R R R R R R R R R R R R R R R R R | UniRef90_G3BAI4 | |
| Jurikef90_ ADA024SIKD Jurikef90_ ADA024SIKD Jurikef90_ ADA024SIKD Jurikef90_ BBD0S9 Jurikef90_ BBD0S9 Jurikef90_ BBD0S9 Jurikef90_ BBD0S9 Jurikef90_ ABE9A8 DIL L R E Q M R R E G S E F S K L L Q D C I K N G T I V P M E V T I K L L E N A M D L L R E Q M R E G S E F S K L L Q D C I K N G T I V P M E V T I K L L E N A M D L L R E Q M R E G S E F S K L L Q D C I K N G T I V P M E V T I K L L E N A M D L L R E Q M R E G S E F S K L L Q D C I K N G T I V P M E V T I K L L E N A M D L L R E Q M R E G S E F S K L L Q D C I K N G T I V P M E V T I K L L E N A M D L L R E Q M R E G T P L G K E A K K Y L D D K G E L V P D E V T I G I V R E R R R R P G S Q L V P D E V T I G I V R E R R R R R R R R R R R R R R R R R | UniRef90_U2WUA7 | DMLRAAVAAETELGLKAKDIMARGDLVPDEVVVGIII SDR |
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| JAIRE990_R6LQE6 | UniRef90_I0K3T9 | - 1711 1 K 3 G/I A A G A II G/I G/A K 11 IVI J G IVII V F J F V V IG IVII F 3 K |
| JAIRE990_R6LQE6 | UniRef90_F3ZJ22 | DILIF RANI IS QGT EILIGK RAKS YMDAGNIL VIPDEIVITI IGMAKDRM |
| Juiref90_W2S6J8 | UniRef90_E2ZE45 UniRef90_R6LQE6 | DII IF R A NII IK N G T EIL IG K K A K T Y M D Q GIL L V IP D EIL V V ID IL I IV V ID R |
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| JniRef90_UP100042B4F45 D L L R Q E I T S N S A D G A M L N T I K E G R I V P S E V T V K L I Q K E M JniRef90_R6UMZ9 D L F R S E I G K G T A L G M E A K S F M D K G L L V P D E V V N N M V K S Y L JniRef90_D5QH99 D ML R A E V A A D S P L G K K V K S V M A S G Q L V P D D L I I A L I E A R JniRef90_C4FGP1 D L F R Y N M K N D T E L G K L A K S Y I D K G E L V P D Q V T I D M L I D E V JniRef90_UP100037A080E D I F R A N I K G K T E L G L K V I A Y T D K G E L V P D S V T N R M V R D R JniRef90_J3SBS3 D M L R A M V A S G S E L G K R L K E T M D A G K L V S D E M V V E L I E K N JniRef90_H25WI4 D M F R A A V K E G T P L G L K K F W M D Q G Q L V P D R V T I G I V K F R | UniRef90_X2H548 | |
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| JniRef90_UP100042B4F45 D L L R Q E I T S N S A D G A M L N T I K E G R I V P S E V T V K L I Q K E M JniRef90_R6UMZ9 D L F R S E I G K G T A L G M E A K S F M D K G L L V P D E V V N N M V K S Y L JniRef90_D5QH99 D ML R A E V A A D S P L G K K V K S V M A S G Q L V P D D L I I A L I E A R JniRef90_C4FGP1 D L F R Y N M K N D T E L G K L A K S Y I D K G E L V P D Q V T I D M L I D E V JniRef90_UP100037A080E D I F R A N I K G K T E L G L K V I A Y T D K G E L V P D S V T N R M V R D R JniRef90_J3SBS3 D M L R A M V A S G S E L G K R L K E T M D A G K L V S D E M V V E L I E K N JniRef90_H25WI4 D M F R A A V K E G T P L G L K K F W M D Q G Q L V P D R V T I G I V K F R | UniRef90_W1Q3J2 | DI FRAALQNET PLGLQAKAYTDNGNL VPDEVITNAI VRERL |
| JniRef90_D5QH99 | UniRef90_IN/SCE9 UniRef90_UPI00042B4F45 | DILLIR QEITTS NS ADGAMILINTII KEGRII VIPSEIVITIVKILI QKEM |
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| UniRef90_UP100037A080E | UniRef90_C4FGP1 | DI FRANIKGKTELGLKVIAYTDKGELVPDELITNSLVKDR |
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| Direction Dire | | DMERAANKEETPILIGILIEAKSYMDQGQILVIPDRIVITTI IGII VI RER DMERAANKAGTPILIGILIKAKEVIMDQGQII VISDDII TIIGII VI KER |
| Jniref90_UP10003822156 | UniRef90_UPI00046FAE90 | DMFRYHLKNNTKLGLEAKKYTDQGQLVPDEVTNGMVKERF |
| D D D D D D D D D D | UniRef90_UPI0003822156 | D MILIR A A R A S G S DILIGK RIVIA KII MD E G GIL VIS D E II V I DILI I D E Q |
| JniRef90_G8RNF9 D L F R K N I T E G T E L G V E A K R Y L D A G D L V P S T L T N A L V K E R J L J C V E A K K Y M D A G E L V P D Q L V I D L V K E R J L J C V P D Q L V I D L V K E R J L J C V P D Q L V I D L V K E R J L J C V P D Q L V I D L V K E R J C V P D Q L V I D L V K E R J C V P D Q L V I D L V K E R J C V P D D E V V P D E L T N A M V R D R D I F R A N V A E Q T A L G V A A Q A Y M D A G E L V P D A V V V A L V S D R J I M C M I V S D R J I M C M I V S D R J I M C M I V P D D E V V V A L V S D R J I M C M I V P D D E V V V A L V S D R J I M C M I V P D D E V V V A L V S D R J I M C M I V P D D E V V V A A D R D I J I I A I I E E K J M D A G G L V S D D I I M C M I V P D D D L I I A I I E E K J M D A G G L V S D D I V S S L I D D D D I V S S L I D D D D D D D D D D D D D D D D D D | UniRef90_O93986 | DMLRAAVKAGTPI GMEAKKI MDAGGL VISDEI VVNLI KEN |
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| JniRef90_D6S471 DMFREAMANETPVGLEAKSYIDKGNLVPDEVTAKLVEER JniRef90_A0A059LER9 DLLRAHMLSGSEEGKMVADMIAAGGIVPSRVTVDLLQR JniRef90_K2PGS8 DMLRAAVSAGTDVGKRAKAVMDAGELVSDEIIVNAIIVAER JniRef90_R5FXS6 DMFRKAISEKTPTGIEAKSYIDQGKLVPDSVTNKLVRER JniRef90_W2RRI5 DILRANIKGNTPLGIKAKEYMDKGQLVPDELTVKLLENAM JniRef90_W2RRI5 DMLRDQVEKKTPLGIAAKKIMDAGGIVSDDIMVNMIKDQI | | DILLIKE AIVIK K G I EILIGKKAKEY MEAGKIL VIPDDILI IJAII I EEK DMLIRAAIVIKA QTEIVIGKQAKAITIMDAGGII VISDDII VISSII IDDEIT |
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| UniRef90_S0FHU9 DIFRANILKGNTPLGIKAKEYMDKGQLVPDELTVEIV KDR UniRef90_W2RRI5 DLLREEQREGSEYGELIKSYIKEGLIVPMEVTVKLLENAM UniRef90_A8PAA1 DMLRDQVEKKTPLGIAAKKIMDAGGIVSDDIMVNMILKDQI | UniRef90_R5FXS6 | DMFRKAI SEKTPIGIEAKSYLDQGKLVPDSVINKLV RER |
| UNIREIDU_WARRID DEL IR E E QREGSET GELLIRSTIJREGEI VIPMEIVI IVKELLENAM UNIREIDU_WARRID DMLRDQVEKKTPLIGII A A KKII MD A G GII VISDDI MIVN MII KDOII | UniRef90_S0FHU9 | DIFRANLK GNT PLGLK AKEYMDK GQL VPDELITVETV KDR |
| | | DMI RDOVEKKTPI GI AAKKI MDAGGI VSDDI MVNMI KDOI |

| UniRef90_T1G1C3 UniRef90 UPI000369FAAC | 90 100 110 120 L N K P E C K N G F L L D G F P R T V L Q A E K L D Q L L Q R R N Q Y H T E F N L A Q P D A A A G F L L D G Y P R T V D Q A L D G M L E G S S L D A V V L L E A |
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| UniRef90_I4X7N5 UniRef90_K9FJZ7 | LSEKD <mark>C</mark> EEGFLLDGFPRTVPQATGRWI <mark>C</mark> KV <mark>C</mark> GTAYHTVFN LGQEDASKGWILDGFPRNVSQA <u>N</u> FLDKLLAEIQQP <mark>C</mark> ECVL |
| UniRef90_Q6NMK6 UniRef90_UPI000462F240 | E S S D N R K |
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| UniRef90_A9WST7 UniRef90_UPI0003B6E263 | L Q Q E D V Q H G F L L D G Y P R T S A Q V N E L D D II G E K L D V V L Q L T A L S Q P D A E A G F L L D G Y P R T E A Q V A E L D S I L E A N G H Q L S H V V |
| UniRef90_J3NJZ9 UniRef90_A4FPK1 | KEAMKKKPRFLIDGFPRKMDQALKFEEAVCPAKFVLFYDC LAEPDAAEGFLLDGFPRNTAQADVLARSLAEKGTELTAVL |
| UniRef90_K7RQN1 UniRef90_UPI0002483D3C UniRef90_D6Y535 | LIGADDAASGFLLIDGYPRNLHQVEALDSYLKSLDAVVSLEV GTPATQQGWILDGFPRNLVQSQALDTLLQIMGQPYGQVV |
| UniRef90_B01333 UniRef90_A0A022QAM8 UniRef90_R5S7S1 | ESSENCR FLIDGFPRTEENRIYERVTGSEPDIVLFFDC LKQDDCKNGYILDGFPRTIPQAEGRRVCKSCGATYHVVNL |
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| UniRef90_Z9JW75 UniRef90_V6K7F8 | LAQDDAQGGFLLDGYPRTLDQVGLLADAGQSLDAVLLEV MGQPDAANGFLLDGFPRNVFQAERRVCRNDSSHVFHVTYS |
| UniRef90_C6HW99 UniRef90_V6IU76 | T G T P K T T N S F I F D G F P R T I E Q A K E R R M C P K C Q R T Y H I R F A L S K S D T N E G F L L D G F P R T V E Q A T G R I C S E C G A T Y H L T F N |
| UniRef90_UPI0003B320C6 UniRef90_X1GJU8 | I T Q E D C V N G F L F D G F P R T I P Q A E A L Q S A G V T I D H Y H V V Y N L S A P D G A N G V I L D G F P R N L A Q A E G R W V C R R C Q T A Y N L I D S |
| UniRef90_H1XTN4 UniRef90_UPI00029A8397 | LISRPDCKNGFILDGFPRTIKQANSRRICEKCGALFDPVGN EQPDAENGFLLDGFPRNVAQAKALDAMICRNDSAHVFHV |
| UniRef90_G3BAI4 UniRef90_B3QS41 | SVQENREQGEL DGFPRKMDQALSFEEQLAKSAFILFFEC |
| UniRef90_U2WUA7 UniRef90_R9ARL8 UniRef90_A0A024SIK0 | I E D S D C S D G F I L D G F P R N I A Q A E A L D A M L S D K G M T L D T V L E T N E K C K L G F I L D G F P R T V T Q A E K L D G M L E S K K Q T I D H A V S Q K G T T K G R F L I D G F P R K M D Q A H K F E E A V C P A K L V L F F D C H G W E D G R G R F L V D G F P R K M D Q A L K F D E D V R P A S A V L F F T T |
| UniRef90_UPI0004413195 UniRef90_B8D0S9 | H G W E D G R G R F L V D G F P R K M D Q A L K F E E A V O F A S A V L F F T T |
| UniRef90_B6D039 UniRef90_A8F9A6 UniRef90_K7FVM3 | L G K N D C E Q G F L L D G F P R T V A Q A T G R R L C K N C G A T Y H L V F N L A S L G D T K G F L L D G Y P O N V K O G F F F O C K L G F P K L V L F M D C |
| UniRef90_I0K3T9 UniRef90_F3ZJ22 | LTENAAAPGFIFDGFPRTVKQAEALDQHGTNITTMIALVV |
| UniRef90_E2ZE45 UniRef90_R6LQE6 | HGWEDGRGRFLVDGFPRKMDQALKFDEDVRPASAVLFFTT IQKDDCDNGFILDGFPRTLNQARGRRVCQEEGAAYHVVYN LGKNDCEQGFLLDGFPRTVAQATGRRLCKNCGATYHLVFN IASLGDTKGFLLDGFPRTVKQGEEFQCKIGEPKLVLFMDC LTENAAAPGFIFDGFPRTVKQAEALDQHGTNITTMIALVV EQEDAANG FLLDGFPRNVGQARIAGRRICRNDSSHVFHV LAKDDCKKGFILDDGFPRTTSQATGRLICRSCGATYHLTSK VSQDDCTKGYVLDGFPRTTPQAEALDKALEAKGQKMDYAI LNGPDAARGFILDGFPRTVAQAEALDKALEAKGQKMDYAI LNGPDAARGFILDGFPRTVAQAKGRLIHPASGRTYHKVFS LKVNPDANGFILDGFPRTVAQAKGRLIHPASGRTYHKVFS LKVNPDANGFILDGFPRTVAQAEALDKALEV LNKPTCRNGFLLDGFPRTVAQAEALDRHPGSGRSYHTEFN ENNEACKNGFVLDGFPRTVAQAEALDRHPGSGRSYHTEFN ENNEACKNGFVLDGFPRTVAQAEKLDSMLFERKTYHREFH IHKEDCKNGFVLDGFPRTVPQAEKLDSMLFERKTYHREFH |
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| UniRef90_Q8RE31 UniRef90_R7VI69 | HKEDCKNGYI LDGFPRTI PQAEGRRTCPNCSAIYHTETL LAEKDCEKGFI MDGFPRNVAQAKVLDEI LTKLGKQI EKVI LDKPECKQGFL LDGFPRTVVQAEKRLIHTPSGRSYHVDFN |
| UniRef90_U6IT31 UniRef90_X2H548 | TMNTDGNNRFLVDGFPRNEDNKTGWEKFMGHVEI CKVIAV IAQSDCSNGFLLDGFPRTVPQADAMKAAGINVDYVLEFDV KSKVATSKGFLIDGYPREKKQGEEFETAIKPVDMVLYLES |
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| UniRef90_B4RU55 UniRef90_UPI00041D7214 UniRef90_E1G6K7 | II ID A P D A K N G F IV I ID G F P R T IV V IQ A F A II IF K MII IA G K A M K II ID A IV I I |
| UniRef90_Q8VY84 UniRef90_W1Q3J2 | NDSLSAKAFLIDGFPRNQNNVEGWERMMLSKNVLFVLYLE ESGNDKFLIDGFPRNEENRNVFENVARIEPAFVLFFDAQDDVKAQGFMLDGYPRTSAQAQRIICRNCGATYHKLYNP |
| UniRef90_M7SCE9 UniRef90_UPI00042B4F45 | A A VR G K K G R F L I D G F P R K F D Q A VR F E E A V C P A K L V L F F D C E S N D N H K F L I D G F P R S E E N R L F E R I L G A E P N I V L F F D C E K L E D K K N G F L L D G Y P R T L D Q A K A F R L C K E C G E L Y H L K S K |
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| UniRef90_E4TB16 UniRef90_C4FGP1 | RKPTDTKG FI FDGFPRTAAQTI VKDELNEEI SI CLSL V V |
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| UniRef90_J3SBS3 UniRef90_UPI0003B5D63C | LETPLCKNGFLLDGFPRTVRQAEMLDELMVKRKEYHEEFN LGKDDCANGFLLDGFPRTVPQATGRRLCRDCGASYHVVFA |
| UniRef90_H2FWU4 UniRef90_UPI00046FAE90 | LGKDDCANGFLLDGFPRTVPQATGRRICRDCGASYHVVFA ISQDDCAKGFLLDGFPRTIPQADAMKEAGVEVDFVLEFAV NESDVKDGFILDGYPRTPEQALYRRTCPVCGSIYHIDNF |
| UniRef90_UPI0003822156 UniRef90_UPI00035CB2CF | LIGQNKGAAGFIFDGFPRTIGQARLLQSRGTQVDRVIRLVV AGMEPVR VIFDGFPRTCAQAEALDMLLEELGAPVTLEV LDTKACKNGFILDGFPRTVAQAQKLDEMLEQRNYHKLFNP |
| UniRef90_093986 UniRef90_G8RNF9 UniRef90_R7D4N6 | II IE E D D A A A G E II I ID G Y P R SIVIE () A K AII ID E MII IK N H N I KII ID AIV I I |
| UniRef90_UPI000382A1A0 UniRef90_E9USR2 | LAADDAQKGFILDGFPRNTAQAVTLDSMGRSLDCALLVDV LSEDDARDGFLLDGFPRNVPQAETLKKMCTKCGKIWHVDF LASGDCADGFILDGYPRTPQQVAFLDFLDVGLDAVVLLFA |
| UniRef90_J6UG15 UniRef90_L8WKD1 | LASGDCADGFLLDGYPRTPQQVAELDEIDVGLDAVVLLEA LDQPDAANGFILDGFPRTVPQAEALEAMLADKGLALDAVV QNNKDCKNGFILDGFPRTVPQAEKLDTMLAERKEYHKEFN |
| UniRef90_C1E4W0 UniRef90_C0QQP4 | DTDKAKSAGWLLDGYPRSASQADAITKEGIIPDSVILLDV LKELEGKDIILDGFPRTIPQAEALDRMLPAVGRTLDKVI AAMDHDTG AIFDGYPRTRQQAEQYTCAKCGEGYHDRHKQ |
| UniRef90_UPI000225E9BF UniRef90_D6S471 | LAKPDTNN <u>G</u> F I L DGFPRTTAQAEMFM <mark>C</mark> KA <u>C</u> GATY <u>NK</u> FSK <u>K</u> |
| UniRef90_A0A059LER9 UniRef90_K2PGS8 | A M S A S G A R I F L I D G F P R N D E N A A F E K Q T G I H P D F V L F F D C |
| UniRef90_R5FXS6 UniRef90_S0FHU9 | L S |
| UniRef90_W2RRI5 UniRef90_A8PAA1 | RADNDGKGRFLIDGFPRKMDQAMFFEQAVCPSACTVFLDC ENNEACKNGFVLDGFPRTVPQAQKRLIHPASGRSYHKLFN |

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| UniRef90_D0GMD5 UniRef90_UPI0003B6E8D8 | DILREATAKKTPLGLEAKKLMDGGNLVSDDIVNGLV EAR DLFREHVRTQSELGRSVSALLAAGRYVPDEVTNTMV AER |
| UniRef90_UPI00026305BE | D M L R A A V K A G T P T G L K A K A V M E A G E L V S D E I V S G I I G E R |
| UniRef90_N1ZLJ0 UniRef90_UPI00037D7A81 | D M L R E E V S R G T E L G S K A K S L M A S G G L V P D E L I T A L V N E R D L L R A A V S T G T E L G K Q A K Q A M D A G N L V S D E I V L G M I R E R |
| UniRef90_UPI000465163F | D MIL IR A A IV IA A E T E IV IG K K A K A IV IM D A G GIL V IS D D II V I IA II V I S E R |
| UniRef90_UPI000370CCB6 | DAFRLAIKEGTPIGVKAKEYIDQGLLVPDDVTNGIV RER |
| UniRef90_UPI000248AB95 UniRef90_A0A034W2B2 | EMLRAAVANGTGI GRGAKAI MDRGEFVPDDV VSHMVSDR DLLREERARESEYGTLIESYI RDGKI VPVEVT CSLL EN |
| UniRef90_UPI00035E3DA3 | D MIL IR A A IV IK A G T PIL IGIL IA A K A IV IM D A G QIL V IS D DII I I I IGIL VI K E R |
| UniRef90_H1ZCM5 | D V F R Y N L K N G T E L G K Q A K <u>V F M </u> D R A E L V P D S L T D <u> </u> M L A D E <u>V</u> |
| UniRef90_B2KEK1 UniRef90_UPI00035DD44C | D L R E E A N N T E L G K Q A K K L D G G N L V P D E M L G L K N A F D M L R A A V K A G T P L G L Q A K S V M E S G G L V S D E L I I N L V K E R |
| UniRef90_B2JDV1 | DMI RAAIVKAGIPII GII EAKRYMDAGEII VII DEILI I NII VI KER |
| UniRef90_D1CFE7 UniRef90_UPI00037B03E3 | DELREAREEDTPLGREVKKYYDAGELVPDDVVIELI VQE DMLRAAVAEGTPVGLEAKDVMARGELCPDSLVVSLV ADR |
| UniRef90_UPI00029AB28D | DILIERANII IS QGT DILIGKEAKT YILIDAGDIL VIPADIVIT NRMIVL QAR |
| UniRef90_Q8VYL1 UniRef90_U4QVL1 | DL LRAEVSSGTDIGKRAKEFMNSGSLVPDEIVIAMVAGRUDLLREALKNKTPLGLEAKNYMDSGKLVPDQLVLNLIKGK |
| UniRef90_U4QVL1 | DIL LIR A E R K N P E EIVIG NIL I IE T YII IT E G KII VIPIVIKII IT <mark>C</mark> GIL LIE K AII I |
| UniRef90_R6XT56 | DII IFRQAII IADKTPII IGIVI IAKEYII IDHGHIL VIPDEIVITNEII VI RER |
| UniRef90_B9R9Q5 UniRef90_T1ELX0 | DL LRREI LSNSDDGAMI LNTI KEGRI VPSEVTVKLI KKEM ELLRERKPGSQFGEMLE <u>KHI</u> KEGTI VPVEVT <mark>C</mark> SLLEQS <u>M</u> |
| UniRef90_A9BCM8 | DILLIR A FIVIN A Q S PILIG K F A AILLIMN K G FIL VIS D FIL V LIS ILVIQ K RILL |
| UniRef90_UPI00037938DF UniRef90_L7M308 | DMLRAAVKAGTPLGLAAKKI MDAGGLVSDEI II GLV QDR DLLREEKATPSQFGEVIDDHIRNGTI VPVEI TCRLL DR |
| UniRef90_A1STI3 | DMLRAAAKAGTELGLKAKELMDAGQLVSDELTIDLV KER |
| UniRef90_D2TWE9 UniRef90_UPI00036E7B92 | DMLRAAVKAGTELGRKAKELMDSGKLVTDELVIALV KQR DIFRANLKASTPLGLQAKGYMDAGQLVPDEVTNEMV KDR |
| UniRef90_D9QGM3 | DMLREALASGSDLGQQ <mark>C</mark> KELMSKGGLIADDIVIALI EAR DLLRAEVMSGSNRGLQLYKIMANGEAVPNPIVNDLISETM |
| UniRef90_C1BNA5 | DMLREALASGSDLGQQCKELMSKGGLIADDIVIALI EAR DLLRAEVMSGSNRGLQLYKIMANGEAVPNPIVNDLISETM |
| UniRef90_A1ALW2 UniRef90_F4PD49 | DMLRAAVKN <mark>C</mark> TPLGLKAKEI MDAGGLVSDEI VLGIV ADR DMLREAVQAGSELGKQAKKLMDAGGLVSDDI MVGLIKSN |
| UniRef90_T0ZXJ9 | DLLRATVAAGTPLGREAEGYMRAGQLVPDDLVLRILAGRE |
| UniRef90_B1X4Y9 UniRef90_UPI000381A9F3 | DIL LIRA EIVIK A G I SILIG Q E A A A LIMILIK G E IL VIS D DIL V LIA II VIH N NILI |
| UniRef90_D2Z934 | DI LRANVKAET DLGRKAKSYMDAGKLVPDEVIVEMM EER |
| UniRef90_I4B7F3 UniRef90_T0CIK1 | DILLIRA AIVIS K. G.T. DILLIG K. E. A. K. S. Y. M.D. K. G. E. I. V. V. D. E. I. V. L. DILLIKA N. C. |
| UniRef90_G0R5T9 | DLVRDEIKKETPEGÜRFKESÄAKGGQVLDDLVVNLILMQ |
| UniRef90_Q48F36 UniRef90_F3LDD9 | DMILIRA AIVIKA ETEILIGILIKA KSIVIMDSGGILVISDDILI I IGILI KDR |
| UniRef90_UPI0003612024 | DMLRAAVAEQSDVGKRAKAVMDAGQLVSDEII VNEII VI SAR |
| UniRef90_F0GV51 UniRef90_D8JV36 | DILFRYNI SNETELIGILKAKSYMDKGDLVPDELTIDLVWDAF |
| UniRef90_M1B3D7 | DELRAEI AAGSENGKQAKEYMDKGKLVPNEI VVT MVKERE |
| UniRef90_I3KPT0 | DIL LCS ELIQS NS DRGRYLRDALERGEQLPEDTLLELLCDAV |
| UniRef90_C1BTI5 UniRef90_G7GYK5 | DILIGRADERANT GOET GEILTEN HILVINGTI VIPAAITI VALIPANA DILIFRANTS QGTAITIGVE AKRYLIDAGDIL VIPSEIVITIVID MIVERAR |
| UniRef90_F2IUV8 | DMLRAAMAAGT PVGLAAKEL VESGKL VPDDV VVGLI RDR |
| UniRef90_UPI0002658CE8 UniRef90_C3MI55 | DILLIKA EIVIA S G S EILIGKTILIK QILIM S E G KIL VID D T L V VIS MILLEK N |
| UniRef90_Q1N1Z8 | DMLRAAVKAĞTEVEKQVEQVMQSGGLVSDDLİİSLV KER |
| UniRef90_C3KEC6 UniRef90_T1K7V8 | DMILIRAAIVKAGTEILIGILIAKSIVIMDSGGILVISDDILIINILVI KER |
| UniRef90_R4I119 | DI LR DT MKT DS KL GKHVK EL MDA GKL VI DKL V I NL VK QRI |
| UniRef90_D7BK89 | ELIFRAELIANKS DI GLEAQRYI SEGNL VPD SVTNEI VRRR |
| UniRef90_L0E1Y2 UniRef90_L0GWC9 | D MILIR A HIVIK A G T EILIGE A K KIVIM DA G GIL VIS D DI I I LA MIVIK F RIVI |
| UniRef90_Q65UF7 | DMFRAAI KAGTELGKQAKALMDEGKLVPDELTVALV KDR |
| UniRef90_G8ANK4 UniRef90_B4LFT3 | D MIL IR A MIVIA E G G PILIG Q Q A K DII MS A G K IL MP D E IL MIVIKI I I A E R I |
| UniRef90_B4LF13 UniRef90_Q82TF5 | DILLRNAVKAGTELIGMMAKKI MESGGL VPDEI I I DL V RKR |
| UniRef90_Q3B4C0 | DMLRAAVKAGTPLGLKAKEVMDGGNLVSDDLIMDLI KER |
| UniRef90_UPI0003672840 UniRef90_C2CJX2 | DII FRYNI SNKTELIGIL WAKGFMDNGEL VPDSVI NEMIV KDR |
| UniRef90_A6F7X4 | D M L R A A V V A A G T P L G K P A A K K P M D A A G N L V P D D L V L A L V |
| UniRef90_M5EAU6 UniRef90_UPI0004438224 | DILLIKA E QARPS QY G Q MII A D Y II K D G K I V P M E V T II S L L R N A II D II C S E M O S H S E R G R H II O D II E R G E K II P E E T II E II C D A V |
| UniRef90_UPI000375AC1A | DML REALKEGSETGKKI QSFVDKGELVPDEI VTRGVINRM |
| UniRef90_N1J9F7 | D L L R A E Q A R E S R F G E M L R G Y L K E G L V P M E V T L Q L L E N A M |

| UniRef90_U5EZ29 UniRef90_M5ECB6 | 90 100 110 120 VKVKSTTIGYLIDGYPREPAQGPEFEKFIAPVDIILYFE <mark>C</mark> EN <u>N</u> RA <mark>C</mark> RKGFVLDGFPRTTPQAEKLDQMLEQ <u>R</u> HQKLDHVV |
|---|---|
| UniRef90_B7S454 UniRef90_V4PA50 UniRef90_A1S566 | HEVYAKSTKFLIDGFPRSQAEAWKDTMSHHKVEFVLFLD <mark>C</mark> |
| UniRef90_Q5P106 UniRef90_K1Z6F4 UniRef90_D4JDN5 | I A Q D D C A N G F L L D G F P R T I P Q A D A M A A N G I S I D H V I E I D V L K E D D C K S G Y M F D G F P R T I P Q A D A M K E A G V P I D F V L E I D V L L A P D C H K G Y V L D G F P R T E A Q A E G R R V C G T C G A S Y H I E Y S S H L A D K K N G Y L L D G Y P R T L D Q A K A F E E C K K C G A I F N I Y S K |
| UniRef90_A5GAW3 UniRef90_C1DX53 UniRef90_W7DTF2 UniRef90_UPI0003688E61 | SHLADKKNGYLLDGYPRTLDQAKAFEECKKCGAIFNIYSK LEKNDCLNGFILDGFPRTVAQADALKHMLVCMNMSIEHVV E EFKDKNI FDGFPRTVPQAEGRRCPNCGAVYHIIFN LQVDDCKNGFILDGFPRSLGQAERFSCAKCGASYHKLFKQ EKVKGIKDGFLLDGFPRNLEQAKMRRSCKQCNEVYHLEAK LQQPDCANGCLFDGFPRTLPQADALKEQGIRLDVYHVMHN |
| UniRef90_A4BGU1 UniRef90_L9VEN9 UniRef90_UPI00034DC8F4 | IQQPDCANGCLEDGFPRTIPQADALKEQGIRIDVYHVMHN E AADGFVLDGYPRNQDQAEYRRVCSNCGANYHVKFN ISQPDCENGFLFDGFPRTIPQADAMKDAGVKLDHVLEIDV |
| UniRef90_UPI000472088B UniRef90_Q1IDV1 UniRef90_UPI00047DFE35 | E A D G F V L D G Y P R N Q D Q A E Y R R V C S N C G A N Y H V K F N I S Q P D C E N G F L F D G F P R T I P Q A D A M K D A G V K L D H V L E I D V L N A H P T A N G F I F D G F P R T I V A Q A K A L D Q H G T D L S A M L C L Q V L A Q P D C A K G C L F D G F P R T I P Q A E A M V A A G V D I D A V V E I A V N E K D V Q N G F I L D G Y P R N P L Q A Q F R R S C P T C G A V Y H I E N N A M A S A T S D T V L I D G F P R N T E N R T V W Q S Q V G Y D C E L V L L F S B E D A K O K G W I D G Y P R S S C S O S O N W G K M O D P D C S L V L L F S B E D A K O K G W I D G Y P R S S C S O S O N W G K M O D P D C S L V L L F S B E D A K O K G W I D G Y P R S S C S O S O N W G K M O D P D C S L V L L F S B E D A K O K G W I D G Y P R S C S O S O N W G K M O D P D C S L V L L F S B E D A K O K G W I D G Y P R S C S O S O N W G K M O D P D C S L V L L F S B E D A K O K G W I D G Y P R S C S O S O N W G K M O D P D C S L V L L F S B E D A K O K G W I D G Y P R S C S O S O N W G K M O D P D C S L V L L F S B E D A K O K G W I D G Y P R S C C S O S O N W G K M O D P D C S D C S O N M O S D C S D C S O N M O S D C S D C S O N M O S D C S |
| UniRef90_D8TJD2 UniRef90_V7B0M9 UniRef90_F8L6Z6 UniRef90_D0GMD5 | A MASATSDTVLIDGFPRNTENRTVWQSQVGY DCELVLLF SREDAKQKGWLLDGYPRSLGQSQNLEKMQIRPDVYLVLDV SQEDCQKGYILDGFPRTLAQAKNRMVCSSCSTPYHRIHF LQEADCEKGFILDGFPRTVAQAEALDKILEKFNKKIEKVI |
| UniRef90_UPI0003B6E8D8 UniRef90_UPI00026305BE UniRef90_N1ZLJ0 | L D M A D T E K G A I F D G Y P R T L A Q A E R F T C A K C G E G Y H D K Y K L |
| UniRef90_UPI00037D7A81 UniRef90_UPI000465163F UniRef90_UPI000370CCB6 | L Q A S D T E N G F I L D G F P R N L S Q A D R L S C K Q C S T V Y N R Y F S P I D Q D D C K D G F I L D G F P R T L V Q A D R Y S C A N C G A G Y H D E F H K L S Q P D C E K G F L L D G F P R T L L Q A T G R R I C K T C G A T Y H V I F N |
| UniRef90_UPI000248AB95 UniRef90_A0A034W2B2 UniRef90_UPI00035E3DA3 | LDQEDCRRGFILDGFPRTVAQAEALTAMLDQKGVKLDAVI AMQNSGKTKFLIDGFPRNQDNLDGWTRQMSDKVDFLFFNC LTQPDCAKGYMFDGFPRTIPQADALKVSGVALDVVLEIDV |
| UniRef90_H1ZCM5 UniRef90_B2KEK1 UniRef90_UPI00035DD44C UniRef90_B2JDV1 | EKNMD KAGFLFDGFPRTI QQAEALEALLKEKNI RFVLEA LNR GKGVVLDGFPRTLSQAEMMHQCKNCGNI FNLRFI I AQADCANGFLFDGFPRTI PQAFAMKQAGVKLDYVLEI DV |
| UniRef90_D1CFE7 UniRef90_UPI00037B03E3 UniRef90_UPI00029AB28D | I K Q D D C K N G F I L D G F P R T T V Q A E K R E T C P K C G A S Y N K I S L L Q A S D T E N G F I L D G F P R N L S Q A D R L S C K Q C S T V Y N R Y F S P I D Q D D C K D G F I L D G F P R T L V Q A D R Y S C A N C G A G Y H D E F H K L S Q P D C E K G F L L D G F P R T L L Q A T G R R C K T C G A T Y H V I F N L D Q E D C R R G F I L D G F P R T V A Q A E A L T A M L D Q K G V K L D A V I A M Q N S G K T K F L I D G F P R T V Q D N L D G W T R Q M S D K V D F L F F N C L T Q P D C A K G Y M F D G F P R T I P Q A D A L K V S G V A L D V V L E I D V L E A L N R G K G V V L D G F P R T I L S Q A E M M H Q C K N C G N I F N L R F I I A Q A D C A N G F L F D G F P R T I L S Q A E M M H Q C K N C G N I F N L R F I I A Q A D C A N G F L F D G F P R T I P Q A D A M K A A G V K L D Y V L E I D V L Q D S D C A N G Y L F D G F P R T I P Q A D A M K A A G V K L D Y V L E I D V L Q D S D C A N G Y L F D G F P R T I P Q A D A M K A A G V K L D Y V L E I D V L Q D S D C A N G Y L F D G F P R T I P Q A Q G R L I C R T C G A V Y N L E T K I E Q P D A H N G F I L D G F P R T I L A Q A E A L D K M L H E H K L D L D A V V L G E P D A T E G F L L D G Y P R S V A Q A D A L K V M L A D A G S S L D A V L |
| UniRef90_Q8VYL1 UniRef90_U4QVL1 UniRef90_H2ZHH9 | SREDAKEHGWLLDGFPRSFAQAQSLDKLNVKPDIFILLDV ISALDKETGFILDGFPRTLSQATGRRLCPNCQRTYHILFA SSSENNK FLIDGFPRNEDNLTGWSDQMGDKKFVLYLDC |
| UniRef90_R6XT56 UniRef90_B9R9Q5 UniRef90_T1ELX0 | KKEMKAKDIFILIDGFFKN <u>KN</u> NMDG <u>WQKEMSHKIDLQFVCI</u> |
| UniRef90_A9BCM8 UniRef90_UPI00037938DF UniRef90_L7M308 UniRef90_A1STI3 | A M Q S G K S H F L L D G F P R N K D N L D G WN R E M S D R Q F L L F L E C |
| UniRef90_D2TWE9 UniRef90_UPI00036E7B92 UniRef90_D9QGM3 | |
| UniRef90_C1BNA5 UniRef90_A1ALW2 UniRef90_F4PD49 | LSCEDCGTGFVLDGYPLGIISQAEDFEKELSPANILLLLEC LSCEDCGTGFVLDGFPRTIIPQAEGRRTCPSCGKGFHVLFA DNNPECKRGFILDGFPRTVPQAEKLDSMLEAKGKYHREFH |
| UniRef90_T0ZXJ9 UniRef90_B1X4Y9 UniRef90_UPI000381A9F3 UniRef90_D2Z934 | A EPDARAGFILLDGFPRNLAQASRRRVCPVCHSVYHITDH SHY SGGWLLDGFPRNLVQAESLDSLLNQLKQPIETAL AQPDVAAG FLLDGFPRNTAQAKVRRQCRANGHVCHILTD LQESDCSEGFLLDGFPRTVAQAEGRRMCRGCGKIFNVTFK |
| UniRef90_I4B7F3 UniRef90_T0CIK1 UniRef90_G0R5T9 | I QEPD <mark>C</mark> AKGFVLDGFPRTLEQARALDSIKIELSHVINFAV AVE KSTYIFDGYPRNLVQAKNRRVAPGSGE <u>IYNLK</u> TK I KSKKSLKYLIDGFPOGINOALIYERKFKEIEFILNLQV |
| UniRef90_Q48F36 UniRef90_F3LDD9 UniRef90_UPI0003612024 | I QQADCAKGELLDGFPRTIPQAEALLKAGILEIDHYHIIFN |
| UniRef90_F0GV51 UniRef90_D8JV36 UniRef90_M1B3D7 | DKHKDESKI I LFDGFPRNI EQAKGMEERNQKI DHVVYFNV I SEADCSKGFI LDGFPRT LAQADALDKI LKSKGRKI DCVI NGPDSREKGWL LDGYPRSSSQAIALEEFGFQPDLFI L LEV VSSVRQGKGLVI SGFPRDLRQAEEYEAKMGEPSAVLLLNC I VNSTTSKKFLI DGFPRNQGNVEEWKKSVGPI VNFRFLCD I AEPDAARGFI LDGFPRSI EQADALKEMGVDLDAVLSFAV |
| UniRef90_I3KPT0 UniRef90_C1BTI5 UniRef90_G7GYK5 UniRef90 F2IUV8 | I VNSTTSKKFLI DGFPRNQGNVEEWKKSVGPI VNFRFLCD I AEPDAARGFI LDGFPRSI EQADALKEMGVDLDAV LSFAV |
| UniRef90_UPI0002658CE8 UniRef90_C3MI55 UniRef90_Q1N1Z8 | I E E K D A E N G F I L D G F P R T I A Q A D A L G E M L A E K G V A L D A V I L D R P E C L N G F L L D G F P R T V V Q A Q K L D E H P S S G R S Y H E E F A L T D K E P G Q G F I L D G F P R T I A Q A G A L E R M Q V P L D H V I L F D I I K E D D C A N G C L F D G F P R T I P Q A Q A M I D A G V D L D Y V V E I A V |
| UniRef90_C3KEC6 UniRef90_T1K7V8 UniRef90_R4I119 | I KEDDCANGC LFDGFPRTI PQAQAMI DAGVDI DYVVEI AV I SQEDCKNGFLFDGFPRTI PQAEGRRVHEASGRVYHTVYN LDKAECRNGFL LDGFPRTVVQACGRL I HPSSGRTYHEEFY TQENY RIGFL LDGFPRTI PQANAI KEAGI TI DYVLEFNV |
| UniRef90_D7BK89 UniRef90_L0E1Y2 UniRef90_L0GWC9 UniRef90_Q65UF7 | T Q E N Y R I G F L L D G F P R T I P Q A N A I K E A G I T I D Y V L E F N V L A R P D A V N G F L L D G Y P R T L E Q I D M L A E D G L S I D A M V D I E I L E Q P D C A N G F L F D G F P R T I P Q A E A L K E Q G V N L D F V V E V D V A E P D C E C G F L F D G F P R T L A Q A D A M K E A G I F V D S Y H I H F N I A Q P D C A N G F L L D G F P R T I P Q A D A L K D S G V N I D Y V L E F D V S K P D V A N G F L L D G F P R T I V A Q A E R Y T C A K C G K G Y H D V F E K |
| UniRef90_G8ANK4 UniRef90_B4LFT3 UniRef90_Q82TF5 | I R I K G S S K G F L I D G Y P R E K N Q G I E F E Q K I A P A D L A L Y F D C I E E P D C A N G F L F D G F P R T I P Q A D A L R T A N V H I D H V I E I D V |
| UniRef90_Q3B4C0 UniRef90_UPl0003672840 UniRef90_C2CJX2 | L L E H D C K E G C L F D G F P R T I A Q A E S L D R Q G I D I D H V I E I H V L T H D D V A N G F L L D G F P R N V A Q A E E I V A R L S S R R T C K E C G Q D K H K D E S K I L F D G F P R N L D Q A K A L D Q G M I E R N Q Y H I H N N K K E D C A K G F L L D G F P R T I P Q A D A M K E N G I D V D F V L E F D V |
| UniRef90_A6F7X4 UniRef90_M5EAU6 UniRef90_UPI0004438224 | K K E D C A K G F L L D G F P R T I P Q A D A M K E N G I D V D F V L E F D V Q Q W G D G K G R F L I D G F P R K L D Q S H K F E E S V C P A Q M V L F L Q C A S A V R Q G K G L V V S G F P K D L R Q A E E Y E A K M G E P S A V V L L S C M K P D A A A G V I L D G Y P R T R S Q A E S R R L C P E C G K N Y H L T N I |
| UniRef90_UPI000375AC1A UniRef90_N1J9F7 | MKPDAAAGVILDGYPRTRSQAESRRL <mark>C</mark> PE C GKNYHITNI AKSPDGQGKFLIDGFPRKMDQALMFEQT <mark>VCPC</mark> KF <u>VL</u> FFD <mark>C</mark> |

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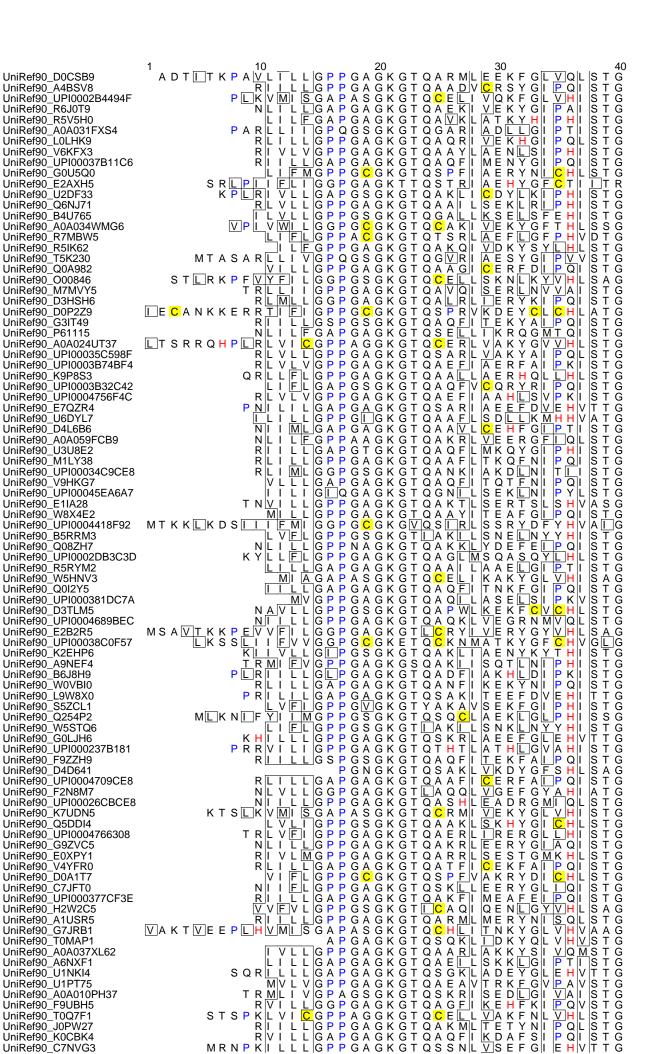
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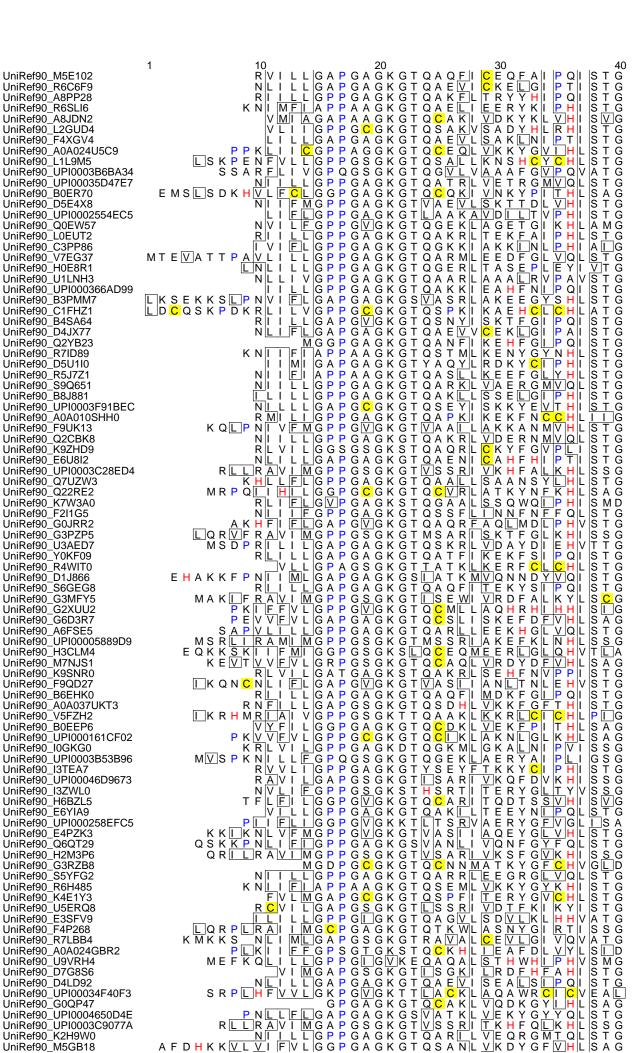


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| UniRef90_D4D641 DLLR | RAAVRAGTPLGIEAKKVMDAGGLVSDDIILGI KRR REQDREGSQYGDLIRHNIREGIVPMEITVTLLSNAM RAAIKEGSELGRQVEQVMNEGKLVSDDLIVALV KER RAAVKAKTKLGVQAKRYMDAGELVPDQLVIELV KER RAARKADTPLGHQVAAVMDSGALVSDEI VSALIDDK RAEVSSGTEIGKKAKEYMDNGKLVPDQVVTDMVVSRL |
| UniRef90_UPI0004709CE8 | KAAJIKEGSELIGKQIVEQIVIMNEGKILVISDDILI VIALVI KER RAAIVIKAKTKII IGIVIQAKRYMDAGEII VIPDOJI VIJEJI VI KER |
| UniRef90_UPI00026CBCE8 DML R | RAARKADI PLIGHQVAAVIMDS GALVIS DĚL VSĀLIDDK |
| UniRef90_K7UDN5 | KAEV SSGIEN GKKAKEY MUNGKIL VIPDQIV VITDMIV VISRILI RAILI ASGSEN GIJKVIKKITTESGGN VISDDN VI <mark>C</mark> DILI JAOK |
| UniRef90_UPI0004766308 D L L | RNAIKAQSALGVQAKAAVDSGRLVPDEVVIGLV EEG |
| UniRef90_G9ZVC5 | RAEIVIKS GSEII IGILLIAKGI MERGEIL MPDAVI ITQMLIAKRIVI RAEIVIAS GSEILIGILLIAKGI MDRGDIL VIPDS HILLIAMILIOOHIL |
| UniRef90_V4YFR0 D M L R | R A E V S S G T E I G K K A K E Y M D N G K L V P D Q V V I T D M V V S R L R A I A S G S E L G L K V K K I T E S G G L V S D D I V C D L I A Q K R N A I K A Q S A L G V Q A K A A V D S G R L V P D E V V I G L V E E G R A E V K S G S E L G L L A K G F M D R G D L V P D S H I I A M I Q Q H L R A A V K A G T P M G V E A K Q V M D A G G L V S D D I I I G L V K E R R A A V K K G S E T G K Q A K A L M D V G G L V S D D I V F G L V K E S R A E V A K G S P L G L K V K D L M A S G K L V P D E L I I A M L K S R R A E V A K G S P L G L K V K D L M A S G K L V P D E L I I D L V K E R R E R E R E G S Q F G A L I E G H I K N G S I V P V E I T C S L L E N A M R E A I E K E T E L G K Q A K L F L E S G A L V P D E I V V M M V K D R L R A H I Q N Q T A L G Q Q V S Q I I A D G N L V P D S V T L A M L E E E V R N A V R S R T P M G L A A Q A L M D K G E L V T D E I V N S C V G D F |
| UniRef90_D0A1T7 | REAIVIEKKTEYGLIKAKSIVIMDIVIGGILVISDDI VIFGILVI KES |
| UniRef90_UPI000377CF3E D ML R | RAAVKAGSPLGLKVKDLMASGQLVSDDLLDCV KER |
| UniRef90_H2W2C5 | REREREGS OF GALLIEG <mark>H</mark> IIKNGS IVPVEIT <mark>C</mark> S LLENAM |
| $egin{array}{llllllllllllllllllllllllllllllllllll$ | RAEII ETGSENGKRAKE <u>YM</u> EKGQL VIPDEII VVMMIVKDRL |
| UniRef90_T0MAP1 DIFR | RAHUQNQTALGQQVSQLIADGNLVPDSVTLAMLEEEV |
| UniRef90_A0A037XL62 | RNAVRSRTPMGLAAQALMDKGELVTDEIVNS <mark>C</mark> V GDF RAAVKAGTSVGLKAKSYMDAGKLVPDDVILDII EER |
| UniRef90_U1NKI4 DALR | RANKDMETDHGTPREYMEAGDLVPDPVVNELVKAAL |
| UniRef90_U1PT75 | KAHIEAGDELIGK <u>LI</u> ADSFISKGELVPDEVITDRMV ÉAR RVNIKEQTELIGREAQRYVDAGDII VPDSIVITNRMV FDR |
| UniRef90_F9UBH5 D M L R | RAAVKAGTS WGLKAKS YMDAGKL VPDDV I LDI I EER RAAVKAGTS WGLKAKS YMDAGKL VPDDV I LDI I EER RAAKD METDHG TPREYMEAGDL VPDPV VNEI V KAAL RAHTEAGDEL GRLADS FTS RGEL VPDE VTDRMV EAR RVNIKEQTEL GREAQRYVDAGDL VPDS VTNRMV EDR RAHVKNGTDL GKAAKKIMDEGGL I SDDI I MGMV KTR |
| UniRef90_T0Q7F1 | RAAI QAGSPLGKEAQAYMDAGDLVPDALILQVVLARL |
| OTHER DIVILLE | SEINTIS BETEILIGOKAKANIMAN SEAH VIDOSH VINOH VITSED |
| UniRef90_K0CBK4 | RAAIQAGSPLGKEAQAYMDAGDLVPDALIIQVVLARL REVISRETEIGQKAKAVMNSGALVPDSIVNQIV SER RAAVKAGTPLGLEAKKVMDAGGLVSDDIIVGLV KER RSNKGMDLSDYDTPGEYMDRGELVPDEVVTAIV |

| UniRef90_D0CSB9 | 90 A EPDCARGVILDGFPRTTVQAERYTCANCGEGYHDQFKQ |
|--|---|
| UniRef90_A4BSV8 UniRef90_UPI0002B4494F | IT QPDCANGFLFDGFPRTIAQADALRDEGVRIDYYHRIHN SGKDATEKGWLLDGYPRTLLQAESLQKLQIRPDIYLILDV LEQKDCENGFILDGFPRTIPQAQGRRVCSKCANSYHMLYK |
| UniRef90_R6J0T9 UniRef90_R5V5H0 | LEQKDCENGFILDGFPRTIPQAQGRRVCSKCANSYHMLYK LAQPDCKNGFILDGFPRTIPQAQSRRICKNCGTSYHIKHY |
| UniRef90_A0A031FXS4 UniRef90_L0LHK9 | LAQEDAAEGFLLDGYPRNLGQVGDLDVFLDGRGEPIELSV LDQPDCARGELLDGFPRTLVQADRYSCSNCGSVYHDTDKL |
| UniRef90_V6KFX3 UniRef90_UPI00037B11C6 | MRDEDASGGFLLDGFPRNIGQAERRICRTDSSHVFHAEYA |
| UniRef90_G0U5Q0 UniRef90_E2AXH5 | II IA Q P Q C K N G Y IL L ID G Y P R I Q R Q A IL L IM E E A G E K IV ID K IV I I <mark>H</mark> F D A |
| UniRef90_U2DF33 UniRef90_Q6NJ71 | L G S L E T S R G F L L S G F P R E K A Q C K H F D E H I R P P D L V L Y L Y V L K K E E N K D G F L L D G F P R N L H Q A K G R R F C S N C G A S Y H V S F N L Q K D D A E V G F L L D G F P R T V E Q A E L L K E M L K G F G V E L N G V I |
| UniRef90_B4U765 | L T E A PHK N Y V F D G F P R N V N Q A T ML N T M R L Q V D K V F Y F D L |
| UniRef90_A0A034WMG6 UniRef90_R7MBW5 | LTEAPHKNYVFDGFPRNVNQATMLNTMRLQVDKVFYFDL ADHKCDSKGFLIDGYPREKDQGAAFERQLAPADLIIYFDC LAQEDCKNGYILDGYPRSVEQADNRRSCPKCGELYNLKFK |
| UniRef90_R5IK62 UniRef90_T5K230 | I ASNQNVPGFLFDGFPRTIAQAEMLTEFGGKVDAVLSLTL LSQEDAAHGFLLDGYPRNTAQVAHLESFGQALDAVILLDV |
| UniRef90_Q0A982 UniRef90_Q00846 | I A E P D C A N G F L F D G F P R T T A Q A E G L K A E G T N V D A V V E I Q V I F E D L S S D T F L I D G F P R N Y E N M E N W M D N K I N F K S V I H I L C |
| UniRef90_M7MVY5 UniRef90_D3HSH6 | I FEDISSDTFLIDGFPRNYENMENWMDNKINFKSVIHILC LAADDVKDGFLLDGYPRTSAQVDELDSIGVELDTVLQLTA LKKSDCANGFLFDGFPRTIIQADALKQAGIYLDHVIELAV I KSPDCRRGFILDGFPRTVVQAKKLDEMLSEENVQVDAVV I TQADCANGFLLDGFPRTIIAQAEGLNEMGVSIDTVIEIVV EVLQKGVQNFILDGFPRTVAQAQGRRVCKNCGAVYHIVSK |
| UniRef90_D0P2Z9 UniRef90_G3IT49 | I K S P D C R R G F I L D G F P R T V V Q A K K L D E M L S E E N V Q V D A V V L T Q A D C A N G F L L D G F P R T I A Q A E G L N E M G V S L D T V I E I V V |
| UniRef90_P61115 UniRef90_A0A024UT37 | HAPDOAQKGWLLDGFFKI <u>AIV</u> QAQA <u>WIVDAGII</u> IFDIV <u>V</u> L <u>VLI</u> IIV |
| UniRef90_UPI00035C598F UniRef90_UPI0003B74BF4 | II IGEPDAAAGEILIDGEPRNIVAQAYERRIVCRKCGHII IWHII IEYD |
| UniRef90_K9P8S3 UniRef90_UPI0003B32C42 | E G H T G G WL L D G F P R N L A Q A E A L D D L L A E L D Q R I E R V M I A Q S D C D N G F L L D G F P R T I A Q A E G L E K M G V N L D N V I E I Q V |
| UniRef90_UPI0004756F4C UniRef90_E7QZR4 | LAEADAADGFLLDGFPRTVPQAVGRRNCRSCKKIWHVEFD SE ADGYVLDGYPRNLSQAEYLDDITD_LDVVLYLDV |
| UniRef90_U6DYL7 UniRef90_D4L6B6 | STTS |
| UniRef90_A0A059FCB9 UniRef90_U3U8E2 | L T A N Q G A A G F F D G F P R T V G Q A A A L D E L K S R G T E V N R V V L F E K D C K N G F Q L D G F P R T I V Q A D A I K E A N I N I D Y V L E F F A L K N Q D C A N G Y L L D G F P R T I P Q A N A L K N A K I E L N Y V V E I Q V |
| UniRef90_M1LY38 UniRef90_UPI00034C9CE8 | ILIK N Q D C A N G Y IL L ID G F P R I II IP Q A N A IL IK N A K II IE IL IN Y IV V IE II IQIV I |
| UniRef90_V9HKG7 UniRef90_UPI00045EA6A7 | L Q E D V A K G W V L E G Y P R T A F Q A E E L D F L L E D L N Q K I N Y A I I T Q A D C A N G F L F D G F P R T L A Q A E A M R D A G V N L D A V V E I D V L H R P E Y E K G Y I M D G F P R T T V Q A K A F K N G I D K I Y L K V |
| UniRef90_E1IA28 UniRef90_W8X4E2 | I A Q P D C A N G V I F D G F P R T L E Q A T G R Q T C K T C G A T Y N I Y Y F L R Q P D C R A G Y L F D G F P R T I P Q A D A L K N A H V P L D Y V I E L A V |
| UniRef90_UPI0004418F92 | ILI KAENSKGFFII IEGFPREII INQARILIFEEIVVIGRPNII VI IMFD <mark>C</mark> |
| UniRef90_B5RRM3 UniRef90_Q08ZH7 | INT DNRDNFILDGFPRNINQALERRICOS CCKIFNIYTLLKQPDCANGYVLDGFPRTIPQAEALDRMLEKNGKKLDAVV |
| UniRef90_UPI0002DB3C3D UniRef90_R5RYM2 | LK KNKGWILDGYPRNISQANSLNKVLEDINQVLEMVF LAESDCAKGYILDGVPRTLAQAEGRRVCEHCGASYHIKAV |
| UniRef90_W5HNV3 UniRef90_Q0I2Y5 | LQPDAQEKGWLLDGYPRSYSQAMALETLGTRPDFFILDV AQEDCEKGFLLDGFPRTTPQADALKSVGLSIDYVLEFDV |
| UniRef90_UPI000381DC7A UniRef90_D3TLM5 | L G Q E D A Q G G F L L D G F P R N V A Q A E T R R S C R N C G H V Q H V L Y D L D K P E C K N G F L L D G F P R T V V Q A Q K R L I H P S S G R S Y H E E F A |
| UniRef90_UPI0004689BEC UniRef90_E2B2R5 | HISDNPYKRFLIDGFPRNQDNLDGWNKVMADKKGVIFCEC |
| UniRef90_UPI00038C0F57 UniRef90_K2EHP6 | EKKMKESDGIVI LIDGAIVIRNILIKQAEAYNKEEKDNNWQNDII IMA |
| UniRef90_A9NEF4 UniRef90_B6J8H9 | LIS Q K D V E K G F I F D G Y P R T P D Q A I F R R T C P V C G A I Y H V D N Y K L P D C H K G Y L L D G F P R T L A Q A D A L N A A A I K I D L V I E I D V |
| UniRef90_W0VBI0 UniRef90_L9W8X0 | II IK D C D C E N G Y II IE D G E P R T II IA Q A D A M K D A GII IAIVID Y IV I IE II IS IV I |
| UniRef90_S5ZCL1 UniRef90_Q254P2 | SQ AGGFVLDGYPRNIEQA EELEGMTELDVVLYLDV LSMDDCRKGFILDGFPRTLQQAEGRRVCPKCGALYHIKYM LNKSECLSGCIIDGFPRTLDQALRRIYSRFLCPSCNFVYN |
| UniRef90_W5STQ6 UniRef90_G0LJH6 | L D T L E N K D N F I L D G F P R N I N Q A K G R R I C Q S C G E I F N I Y T F E E A L S S A D G Y V L D G Y P R N I E Q A E V R R V C P E C G A S Y H I E F E L A E G D A A G G F L L D G F P R T V E Q A V F R R T C R E C G R S W H V E F D |
| UniRef90_UPI000237B181 UniRef90_F9ZZH9 | LAEGDAAGGFLLDGFPRTVEQAVFRRT <mark>C</mark> RE <mark>C</mark> GRSWHVEFD IAQDD <mark>C</mark> KNGFLLDGFPRTIIAQAEGLEKMGVELDYVVEIIAV |
| UniRef90_D4D641 UniRef90_UPI0004709CE8 | A A Î LE E K K R F L I D G F P R K M D Q A Î Y F E E T V C P S A G T L F L S C I A Q P D A A N G F L L D G F P R T II P Q A D A L K D A G V K I D H V V E I S V |
| UniRef90_F2N8M7 UniRef90_UPI00026CBCE8 | LEQDDIRSGELLDGFPRNAVQAVILLRRLSRRRI <mark>C</mark> RI <mark>C</mark> GYI |
| UniRef90_K7UDN5 UniRef90_Q5DDI4 | SOPDILIOFRGWILLIDGYPRSFSQAQHILIFNILIKILIRPNILIFIL VI IFIVI |
| UniRef90_UPI0004766308 UniRef90_G9ZVC5 | I DSPECEKGLLFDGFPRTIEQACGRLFHLSSGRSYHELFN LENAVGRAGYI L DGFPRTVAQASALEAHLAEKNLPLDHVM S QPDCAKGFI L DGFPRTTPQAERFTCAKCGEGYHDSFKP |
| UniRef90_E0XPY1 UniRef90_V4YFR0 | DHP AGELDGFPRTVVQAKNRAL <mark>C</mark> GDCQTPYNLESD ISQDDCAKGFLEDGFPRTIPQAQAMKDAGVKLDFVLELDV |
| UniRef90_V41FR0 UniRef90_D0A1T7 UniRef90_C7JFT0 | II IK Q P R C K N G Y II I ID G Y P R T II IR Q A F M M F F A G F K IV IN K IV I I <mark>H</mark> F D A |
| UniRef90_C7JF10 UniRef90_UPI000377CF3E UniRef90_H2W2C5 | I A Q A D C Q N G F I L D G F P R T L A Q A E R F T C G N C G K T Y N E V S N P I S K P D C A N G F L F D G F P R T L P Q A E A L T E S G V E I E H V M E I H V I A N K E A N G F L V D G F P R N E D N L S G W K K Q M G K V N E Q F V L F L |
| UniRef90_A1USR5 | I GEGDCVS GFI LDGYPRTVGQAEALQRI LQSKNMQLNAVI |
| UniRef90_G7JRB1 UniRef90_T0MAP1 | I GEGDCVSGFI L DGYPRTVGQAEALQRI LQSKNMQLNAVI LKPDSVENGWL LDGYPRSL SQATALKELGFKPDIFI L LEV KKNPDAKG FI FDGFPRTVAQAEALDAFLTGINSSI SLDV |
| UniRef90_A0A037XL62 UniRef90_A6NXF1 | IKSGAAKSGFILDGFPRTVAQANALEVLLEESAIQLSAIF LAQPDCNGGYILDGVPRTIAQADGRRVCSHCGTPFHLESN EE ADGYVLDGYPRNLSQAEYRRVCEECGENYHTEFQ |
| UniRef90_U1NKI4 UniRef90_U1PT75 | EE ADGYVLDGYPRNLSQAEYRRVCEECGENYHTEFQ LDQPDAAGGFLLDGYPRNLHQVAMLARRGTALDVVLEITA |
| UniRef90_A0A010PH37 UniRef90_F9UBH5 | L D Q P D A A G G F L L D G Y P R N L H Q V A M L A R R G T A L D V V L E I T A L T WA D A K N G F L L D G Y P R N R T Q V A A L D E M L S R L D V S L D V V L L T D E D C K N G Y L F D G F P R T L G Q A D A L K A A G V G L D V V V E I D V |
| UniRef90_T0Q7F1 UniRef90_J0PW27 | I DESD <mark>C</mark> K QRGWLLDGFPRIQAQAEAMLA <mark>HHIVPSLVILLD</mark> V |
| UniRef90_K0CBK4 UniRef90_C7NVG3 | LAEDDCANGFLFDGFPRTIPQAQALVDAGIDIDYVVEIDV EEALTSADGFVLDGYPRNLEQAEERRVCSDCGENYHVEFD |

| | 130 140 150 160 |
|---|--|
| UniRef90_D0CSB9 | PKVEGICDKCGGTAFSRRADDNAETVASRLAAYHEQTAPL |
| UniRef90_A4BSV8 UniRef90_UPI0002B4494F | PPTLDDRDDLTGEPLVQRDDDREETVRERLRVYHEQTHPL PDEILIDRCIGRRLDPERPDDTEEKVKQRLEIYKRNAEAI |
| UniRef90_R6J0T9 | K P K V D G V C D A C G G A L L O P K D D A P E T V O A P L V E V H K M T E P L |
| UniRef90_R5V5H0 UniRef90_A0A031FXS4 | P S E E G K |
| UniRef90_L0LHK9 | PATAGV CDK CGSTHFKRRPDDNAET MATRL QVYYKETSPL |
| UniRef90_V6KFX3 UniRef90_UPI00037B11C6 | P |
| UniRef90_G0U5Q0 | PDDVII ARTSGRWI <mark>H</mark> PORPDDKFFVVRKRIDGYRKMTOPI |
| UniRef90_E2AXH5 UniRef90_U2DF33 | R E S L L M D R I L A R T I T T E R Q S R N F D E N M Q R I K D H E K M V K P I P S K L K D K C E A C G G T L I H R N D D E E H I V L D R L T V Y N K S I Q P V |
| UniRef90_Q6NJ71 | NYEV <u>AEDVVV</u> ERM <mark>LAR</mark> GRADDNEDTI RTRLQVYRDETAPL |
| UniRef90_B4U765 UniRef90_A0A034WMG6 | E D D V |
| UniRef90_R7MBW5 | PTKV <u>EGI<mark>C</mark>DK</u> CGTELTQRKDDNEE <u>TA</u> KAR <u>F</u> DTYFKETAPL |
| UniRef90_R5IK62 UniRef90_T5K230 | P D E L V Y E R I L H R A Q L E G R K D D T D S L I E N R I S T Y H D K T E P L P R E E S L E R L T L R A T E Q G R S D D T P E A I G H R L D I Y E R E T A P I |
| UniRef90_Q0A982 | P D E D V Q R M A G R R V H P Q R D D D Q E E T V R K R L G V Y H E Q T Q P L |
| UniRef90_O00846 UniRef90_M7MVY5 | S R T T MI Q R T T E R S K T S G R S D D N T Q T L E K R F L R Y Q N D T Y K I D D D E L V V R L L K R A Q T E G R A D D T E E V I R H R L G L Y H E E T A V V |
| UniRef90_D3HSH6 | |
| UniRef90_D0P2Z9 UniRef90_G3IT49 | N F N V P D K V L V E R E P L I Q R K D D N E A T L G S R L E A F H K Q T Q P V E D E E I V K R M A G R R V H I Q R D D D K E E T V R K R L S V Y H E Q T K P L |
| UniRef90_P61115 | P S K <u>V E G</u> K <mark>C D L C</mark> G G E V I Q R N D D K A E <u>V</u> I E <u>T</u> R L K T Y E E F <u>T</u> S P L |
| UniRef90_A0A024UT37 UniRef90_UPI00035C598F | P D D E V V S R I S G R R D V V Q R S D D N E D T L R V R L A T Y H A N V D S V E L S V D E N A L L A R M Q N R V R A D D N P S A F K T R L D A Y R T Q T A P V |
| UniRef90_UPI0003B74BF4 | ATKANDVCDKCGGELEORDDDKAETVRHRIIDVYAEOTSPI |
| UniRef90_K9P8S3 UniRef90_UPI0003B32C42 | L L E L E D G V L I E R L L S R G R A D D N E A V I R N R L V V Y Q E Q T A P L P D E E I V K R L S G R R V H P Q R D D D K E E T V R K R L E V Y H A Q T A P L A T V K P G V C D N C G G E L Y Q R D D D K P E T I E E R L R V Y A R D T A P L D E D E L V G R L T G R R L D P Q R D D D T E E T V R E R L R V Y R E N T E P V |
| UniRef90_UPI0004756F4C UniRef90_E7QZR4 | A T V K P G V C D N C G G E L Y Q R D D D K P E T I E E R L R V Y A R D T A P L D E D E L V G R L T G R R L D P Q R D D D T E E T V R E R L R V Y R E N T E P V |
| UniRef90_U6DYL7 | PSKI PEI COKDGQ <u>KILI</u> QRQDDKPDI <u>F</u> ILIK KILIK VIF K E E I LIPIL |
| UniRef90_D4L6B6 UniRef90_A0A059FCB9 | S <u>D E K I I N R M S G R R V C</u> E Q R K D D H P D T V L A R L E T Y H K E T E P L R <u>L V V D D</u> E Q L <u>L</u> A R <u>V T K R</u> F R K D D N P E <u>T F S</u> K R L <u>E</u> K Y Y E <u>D</u> T A P L |
| UniRef90_U3U8E2 | P D K <mark>C</mark> V D R M G R R V H T R R D D Q E D R K R L L E Y H Q L T A S L |
| UniRef90_M1LY38 UniRef90_UPI00034C9CE8 | P E S S I I E R I S G R R V H V Q R E D D R E E T V K H R L E V Y K K Q T R P L Y L D V S K E T M L K R S L N R G N L D D K L E V I N K R I E L F K Q R T T P I |
| UniRef90_V9HKG7 | PDAIVIVIERMSGRRIVI <mark>H</mark> II QRDDDKPETIV QKRIL QIVIYHDQTAIIL |
| UniRef90_UPI00045EA6A7 UniRef90_E1IA28 | S D K E A L WR L S G R D D N R E D E T L R A L R K R I G L F H E F T E P V P S H R P G I C D A C T G K L Y Q R S D D S L E T A Q N R L D V Y F T Q T A P L |
| UniRef90_W8X4E2 | P E E <u>N </u> E R <u>M</u> S <u>G</u> R R <u>V H </u> Q R <u>D</u> D D R E E <u>T </u> V R <u>H</u> R L S <u>V </u> Y R D <u>Q T</u> R P L |
| UniRef90_UPI0004418F92 UniRef90_B5RRM3 | S T E M Q R L M R S Q L G Q S V D D N E R R Q R L E T H Y T L C E P V P T K E K E L C D F C Q G L L Y Q R K D D T K E S L K L R L Q E Y N L Q T K P L |
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| UniRef90_A0A037XL62 | FILITIVIN DRILLLIFRILIFNRPRSDDTPFILIFKILIRILIAFYYRIVITFPIVI |
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| UniRef90_E0XPY1 UniRef90_V4YFR0 | V D Y Y A N WA K Y R A I S G T G S V N D I T Q R A F A A L |
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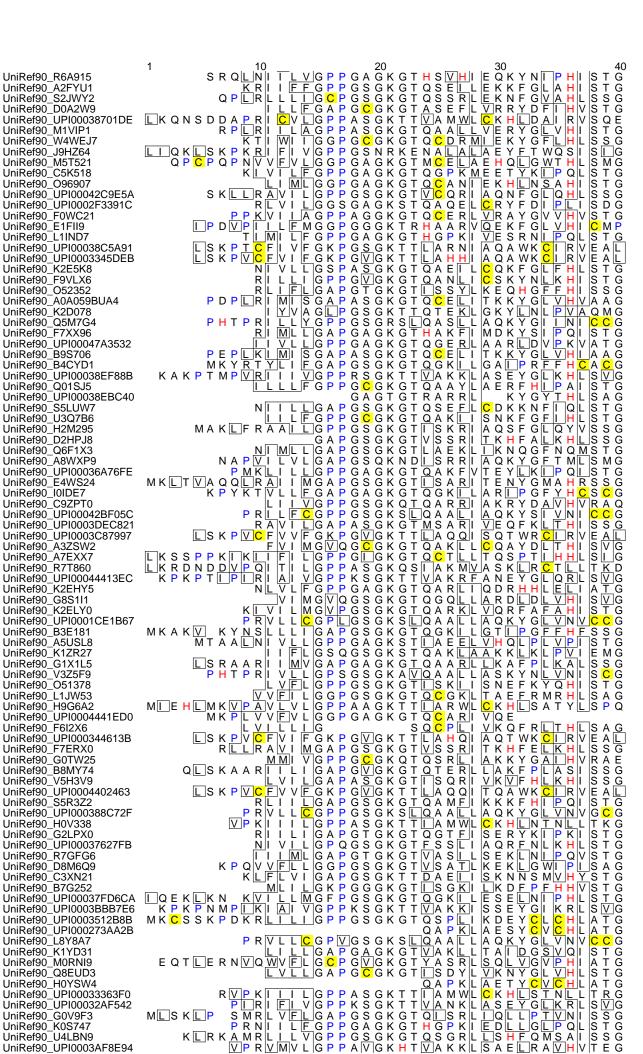


| June Page June Page June Page June Page June June Page June | | 50 60 70 80 |
|--|--|--|
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| June Rep Dec William Dec William Dec William Dec William Dec William Dec William Dec William Dec William Dec William William Dec William William William Dec William Willi | UniRef90_A8PP28 UniRef90_R6SLI6 | D ML |
| June | UniRef90_A8JDN2 UniRef90_L2GUD4 | DILRDEVKNGTPAGKKAKDFMDRGVLVPDEVVVEMVKLRL DMIRSIAKEGGELAERIKPYMGTG <mark>C</mark> IVPDDILLEMMHSKI |
| June | UniRef90_F4XGV4 | NILRAAIKDGTPTGLKAKSYMDNGQLVPDEVVIAIV AER |
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| Minkey M | UniRef90_UPI0003B6BA34 UniRef90_UPI00035D47E7 | DILIFRANIVIA GGTELLIGKRIVIQIVI I LEAGDIL VIPDALLITSELL VIRDR DMILIRAAIVIKAGTPTGILIQAKAIVIMDAGQIL VISDEIL VISGILLI GDA |
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| JAMERGO BAJ881 JAMERGO BAJ881 JAMERGO BAJ881 JAMERGO ADAOTOSHIO DI MIL RE DI K. A R. G. T. E. L. G. K. G. V. V. D. D. V. T. D. D. T. T. A. M.V. K. K. R. J. D. K. K. R. J. D. K. K. R. J. D. K. K. R. J. D. K. G. E. L. V. S. D. D. J. V. J. D. W. V. K. R. J. J. R. G. D. W. J. R. S. J. D. G. G. L. V. S. D. D. J. V. J. D. W. K. K. R. J. D. K. G. E. L. V. S. D. D. J. V. J. D. W. J. R. K. R. J. D. K. G. E. L. V. S. D. D. J. V. J. D. W. J. R. K. R. J. D. R. G. E. L. V. S. D. D. J. V. J. D. W. J. R. R. S. J. D. G. G. J. V. J. D. D. J. V. J. D. W. J. R. R. S. J. D. G. G. J. V. J. D. D. J. V. J. D. W. J. R. R. S. J. D. G. J. J. R. J. R. S. J. D. G. J. J. R. J. R. S. J. D. G. J. J. R. J. J. R. J. R. S. J. D. G. J. J. R. J. R. J. R. S. J. D. G. J. J. R. | UniRef90_R5J7Z1 | DIL LIR EII IA A I N I EII IG K EII IK NIL I ID N GILIFIVIS D EIL IMILIRIL LI ES K |
| JAMERSON GAZENDS JAMERSON GEVISION N.M.L. R. A. A. R. T. S. G. T. E. M.G. K. V. Y. A. D. V. M.D. R. G. E. L. V. P. D. E. M.M. V. E. M. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. D. P. T. D. D. E. M. M. R. G. E. V. P. D. D. P. T. D. D. D. F. D. D. D. D. D. D. D. D. D. D. D. D. D. | UniRef90_B8J881 | DMFRDHKARGTEILIGKOIVIOAILIMDAGGILVITDDILITNAMIVLKER |
| JAMERSON GAZENDS JAMERSON GEVISION N.M.L. R. A. A. R. T. S. G. T. E. M.G. K. V. Y. A. D. V. M.D. R. G. E. L. V. P. D. E. M.M. V. E. M. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. A. V. M. D. R. G. E. V. P. D. D. P. T. D. D. E. M. M. R. G. E. V. P. D. D. P. T. D. D. D. F. D. D. D. D. D. D. D. D. D. D. D. D. D. | UniRef90_A0A010SHH0 | DMLRSQVAKKTPLGREAKKLMDQGGLVSDDIVIGMIKEEL |
| Jinkel90 | UniRef90_F9UK13 UniRef90_Q2CBK8 | DMILIRAARISGIEMGRIVVIADIVIMDRGEILVII DEII VI IGILII REQ |
| JAIRGESO UPIDO0228ED4 JAIRGESO UPIDO0228ED4 JAIRGESO GYZWZ JAIRGESO GYZWZ JAIRGESO GYZWZ JAIRGESO GYZWZ JAIRGESO GYZWZ JAIRGESO ZEREZ JAIRGES | UniRef90_K9ZHD9 UniRef90_E6U8I2 | ELLIRNGYGELINDILIGRNAOPYVLIRGELIVIPDEMMILIEELIKIVIR |
| Jinkelson Goldson | UniRef90_UPI0003C28ED4 UniRef90_Q7UZW3 | |
| Jinkelson Goldson | UniRef90_Q22RE2 | DL LRQEQSRESQYSKLISDIIKEGKIVPDFITCNLLVDSI |
| JAIRGE9D JASÉDY JAIRGE9D JASÉDY DALRA A N K H T E T E Y G T P A E Y M D A G D L V P D P L V M S K L M S D L JAIRGE9D YOKFO9 DALRA A N K H T E T E Y G T P A E Y M D A G D L V P D P L V Y D L L V K E R JAIRGE9D YOKFO9 DALRA A N K H T E E Y G T P A E Y M D A G D L V P D P L V Y D L L D S Q JAIRGE9D YOKFO9 DALRA A N K A T P L G L E A K K F M D A G D L V P D D P L V Y D L L D S Q JAIRGE9D A SOGGEGB DALRA A V K A A T P L G L K L Q S L L D S G A Y V D D D L V T K L L L L L L L L L L L L L L L L L L | UniRef90_F2I1G5 | DL LRNELKSGSKLASELEVLMNSGKLVSDDI INNLI EKK |
| JAINREYD D-11966 JAINREYD D-11966 JAINREYD D-11966 JAINREYD D-11966 JAINREYD S-66E68 JAINREYD S-6 | UniRef90_G3PZP5 | DIL RANK O QT ELGLUMK S SID R G QL V P D D V MS R L MLS D L |
| JniRef90 | UniRef90_Y0KF09 | DML RAAVKAGTTLGLEAKKFMDAGGLVPDEVIIGLV KER |
| JAINER90 | UniRef90_D1J866 | _ D MII |
| Jurkef90 | UniRef90_G3MFY5 | DILIMRONII IRTKTQIVIGII IFIVIFPYMTKGQII VIPDFII VITKII II II II II II F |
| Jurkef90 | UniRef90_G2XUU2 UniRef90_G6D3R7 | D L R S E Q K P S S K W A S L R A N M A E G R T G P P E M S V S M Q E A D L R E E R Q R P S E Y G E M E E K R N G E V V E V T C S L D K |
| JniRef90 H3CLM4 JniRef90 M7NJS1 Dil | UniRef90_A6FSE5 UniRef90_UPI00005889D9 | DIL LIR S AIVIA A G T E A G K A A K A IVIME A G DIL VIS D E II VI IAII LI R D R DIL LIR S QII IQ Q Q T A IVIGIL LIA K Q F II D K G S IL VIP D DIVIMIVIKIL I T H E IL I |
| JniRef90_V5FZH2 | UniRef90_H3CLM4 UniRef90_M7NJS1 | - GILLI <mark>C</mark> A FILIO S H S N O G HILLIO DILLIE R G F QILLIO G T ILLIEILLI <mark>C</mark> DIV VI |
| JniRef90 | UniRef90_K9SNR0 | ELLRQAIAKDSELGAQAKQYLDAGELVPDQVMIQFM RSR |
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| JniRef90_D7G8S6 DL L R D E I Q A G S E T G K T A K E F M D Q G K F V P D E I I F E V L M A A V JniRef90_D4LD92 NI L R E A V K N G T E F G L K A K A A M E S G A L V S D E V V I G I L K D R JniRef90_UP100034F40F3 P V L E E Q L A T G S E S G N M L Q S M L I S G H S I P D E L V T K L M L E K L JniRef90_G00P47 DL L R E F R O N P N O O G F L L E S V L K E G K L V P S E L T V A L M L A M | UniRef90_UPI0003B53B96 | ALLRDEAKKDTERGREVCEDLKSGRLVPETITNE ITFDR |
| JniRef90_D7G8S6 DL L R D E I Q A G S E T G K T A K E F M D Q G K F V P D E I I F E V L M A A V JniRef90_D4LD92 NI L R E A V K N G T E F G L K A K A A M E S G A L V S D E V V I G I L K D R JniRef90_UP100034F40F3 P V L E E Q L A T G S E S G N M L Q S M L I S G H S I P D E L V T K L M L E K L JniRef90_G00P47 DL L R E F R O N P N O O G F L L E S V L K E G K L V P S E L T V A L M L A M | UniRef90_UPI00046D9673 | DKLRYHI ANQT DLGKKVKKYLDSGMLVPDETMIALI SE |
| JniRef90_D7G8S6 DL L R D E I Q A G S E T G K T A K E F M D Q G K F V P D E I I F E V L M A A V JniRef90_D4LD92 NI L R E A V K N G T E F G L K A K A A M E S G A L V S D E V V I G I L K D R JniRef90_UP100034F40F3 P V L E E Q L A T G S E S G N M L Q S M L I S G H S I P D E L V T K L M L E K L JniRef90_G00P47 DL L R E F R O N P N O O G F L L E S V L K E G K L V P S E L T V A L M L A M | UniRef90_I3ZWL0 UniRef90_H6BZL5 | DLLREETKSTSSFADFIKDSIRNSVIIPADFSVRLIQKRL |
| JniRef90_D7G8S6 DL L R D E I Q A G S E T G K T A K E F M D Q G K F V P D E I I F E V L M A A V JniRef90_D4LD92 NI L R E A V K N G T E F G L K A K A A M E S G A L V S D E V V I G I L K D R JniRef90_UP100034F40F3 P V L E E Q L A T G S E S G N M L Q S M L I S G H S I P D E L V T K L M L E K L JniRef90_G00P47 DL L R E F R O N P N O O G F L L E S V L K E G K L V P S E L T V A L M L A M | UniRef90_E6YIA9 UniRef90_UPI000258EFC5 | DMILIKVVI MKE I EVIGKILAKAVMES GSILVIS DNI VIN QILVIS DR DLIRQEVIS MRTERAFTILARMMS QGQLVPTNI VVELLIAVKM |
| JniRef90_D7G8S6 DL L R D E I Q A G S E T G K T A K E F M D Q G K F V P D E I I F E V L M A A V JniRef90_D4LD92 NI L R E A V K N G T E F G L K A K A A M E S G A L V S D E V V I G I L K D R JniRef90_UPl00034F40F3 P V L E E Q L A T G S E S G N M L Q S M L I S G H S I P D E L V T K L M L E K L JniRef90_G00P47 D L R F F R O N P N O Q G F L L F S V L K F G K L V P S F L T V A L M L K L A M | UniRef90_E4PZK3 UniRef90_Q6QT29 | N F |
| JniRef90_D7G8S6 DL L R D E I Q A G S E T G K T A K E F M D Q G K F V P D E I I F E V L M A A V JniRef90_D4LD92 NI L R E A V K N G T E F G L K A K A A M E S G A L V S D E V V I G I L K D R JniRef90_UPl00034F40F3 P V L E E Q L A T G S E S G N M L Q S M L I S G H S I P D E L V T K L M L E K L JniRef90_G00P47 D L R F F R O N P N O Q G F L L F S V L K F G K L V P S F L T V A L M L K L A M | UniRef90_H2M3P6 UniRef90_G3RZB8 | D L R A N K Q Q T E L G L L V R S C M D Q G Q L V P D G L M S R L L K D L Q L R Q E A Q R S T Q W G R Q R D M L Q G L V P A G P D M V S D N M |
| JniRef90_D7G8S6 DL L R D E I Q A G S E T G K T A K E F M D Q G K F V P D E I I F E V L M A A V JniRef90_D4LD92 NI L R E A V K N G T E F G L K A K A A M E S G A L V S D E V V I G I L K D R JniRef90_UPl00034F40F3 P V L E E Q L A T G S E S G N M L Q S M L I S G H S I P D E L V T K L M L E K L JniRef90_G00P47 D L R F F R O N P N O Q G F L L F S V L K F G K L V P S F L T V A L M L K L A M | UniRef90_S5YFG2 UniRef90_R6H485 | DMLRAAKSSGTEMGKRVAEVMDKGQLVTDEI VIGLIREKL DLLREEVKKESLLGKDIKKLMFAGKIISDEI VINIIKSKI |
| JniRef90_D7G8S6 DL L R D E I Q A G S E T G K T A K E F M D Q G K F V P D E I I F E V L M A A V JniRef90_D4LD92 NI L R E A V K N G T E F G L K A K A A M E S G A L V S D E V V I G I L K D R JniRef90_UPl00034F40F3 P V L E E Q L A T G S E S G N M L Q S M L I S G H S I P D E L V T K L M L E K L JniRef90_G00P47 D L L R E F R O N P N O Q G F L L E S V L K F G K L V P S E L T V A L M L A M | UniRef90_K4E1Y3 UniRef90_U5ERQ8 | DMLRDAVAKQTAYGKKLKAVMNSGALVSDDLVFSLLKEG DLLRNNISSKTELGIFAFKYINAGKI VPDFHISKCI FNFI |
| JniRef90_D7G8S6 DL L R D E I Q A G S E T G K T A K E F M D Q G K F V P D E I I F E V L M A A V JniRef90_D4LD92 NI L R E A V K N G T E F G L K A K A A M E S G A L V S D E V V I G I L K D R JniRef90_UPl00034F40F3 P V L E E Q L A T G S E S G N M L Q S M L I S G H S I P D E L V T K L M L E K L JniRef90_G00P47 D L L R E F R O N P N O Q G F L L E S V L K F G K L V P S E L T V A L M L A M | UniRef90_E3SFV9 | DI FRKNEKENTKLSKESKKEI AKGIL VPDKITNQI IADY |
| JniRef90_D7G8S6 DL L R D E I Q A G S E T G K T A K E F M D Q G K F V P D E I I F E V L M A A V JniRef90_D4LD92 NI L R E A V K N G T E F G L K A K A A M E S G A L V S D E V V I G I L K D R JniRef90_UPl00034F40F3 P V L E E Q L A T G S E S G N M L Q S M L I S G H S I P D E L V T K L M L E K L JniRef90_G00P47 D L L R E F R O N P N O Q G F L L E S V L K F G K L V P S E L T V A L M L A M | UniRef90_R7LBB4 | DL FRNNLKGGTELGKLAKSYMDKGELVPDDVTAAMVKDRL |
| DILL K D E Q A G S E G K A K E M D Q G K V P D E I E V L M A A M D D | OTHINGIOU_OUVINIT | QLIRDAI AKGSAYGLEAHPYVQAGELVPDNLVMKLLRRRE |
| JNIRE190_UP100034F40F3 P V L E E Q I A T G S E S G N M L Q S M L I S G H S I P D E L V T K L M L E K L JNIRE190_G0QP47 D L R E E R Q N P N Q Q G E L I E S Y I K E G K I V P S E I T V A L L K L A M JNIRE190_UP10004650D4E D M F R Q E K N K T D L G L K L Q S I L D A G N Y V S D D I T N E L V K K T L JNIRE190_UP10003C9077A D L L R D N M L R G T E L G V L A K T F I D Q G K L I P D D V M T R L A L H M S JNIRE190_K2H9W0 D M L R E A R T S G T E M G H R V A A I M D S G Q L V T D E I V I G L I E E R M JNIRE190_M5GR18 | UniRef90_D4LD92 | NILREAVKNGTEFGLKAKAAMESGALVSDEVVLGILKDR |
| JniRef90_UP10004650D4E D M F R Q E K N K T D L G L K L Q S L L D A G N Y V S D D T N E L V K K T L D L R D N M L R G T E L G V L A K T F L D Q G K L P D D V M T R L A L H M S D L R E A R T S G T E M G A R V A I M D S G Q L V T D E V T D | UniRef90_UPI00034F40F3 UniRef90_G0QP47 | PIV LIE E QILAT G S E S G N ML Q S ML LIS G H SI P D E L VT K L ML E K L D L L R E E R Q N P N Q Q G E L I E S Y I K E G K L V P S E I T V A L L K L A M |
| JniRef90_K2H9W0 DML REARTS GTEMGHRVA A IMDS GQL VTDEILVI GLIEERM | UniRef90_UPI0004650D4E UniRef90_UPI0003C9077A | D M F R Q E |
| AND SEAL MODELLO IN THE FIRST MARKET AND INTERPRETATION OF MISSINGLY IN THE FAMILY OF | UniRef90_K2H9W0 UniRef90_M5GB18 | DML REARTSGTEMGHRVAAIMDSGQL VTDEI VIGLIEERM DII RAEGSRPDSIGAL I OSHUREGTI VPMHVTI HILLEEAM |

| UniRef90_M5E102 UniRef90_R6C6F9 UniRef90_A8PP28 | 90 100 110 120 I Q Q D D C V N G F L F D G F P R T I P Q A E A L L E G G V E I D H V V E I D V I K E P D A Q N G F I L D G F P R T V P Q A E A L D A M G V T I D K V I E I V V I Q Q S D C I N G F L F D G F P R T L G Q A E A L R A Q R L F I D F V I E I K V L S E D D C K N G F I I D G F P R N Y E Q A I A Y C D S C H A V Y N I N E E A K |
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| UniRef90_R6SLI6 UniRef90_A8JDN2 UniRef90_L2GUD4 UniRef90_F4XGV4 | LSEDDCKNGFIIDGFPRNYEQAIAYCDSCHAVYNINEEAK AEDDVKQRGWLLDGYPRSASQAEAIEKEGIRPDVFLLINV PGSYILDGYPRTMKQAKSM EEVNVAVFLSL LAQEDCANGFILDGMPRTLPQAEGRRVCAQCGASYHIVAR GQPDCAQHGWLLDGFPRNEAQARCMVSFGILPDMVLVLDV INTPKCRRGFLLDGFPRNEAQARCMVSFGILPDMVLVLDV LAQADAAEGFLLDGYPRNRGQVDDLDAFLTGRDAVIELEV LDALPQETGVIFDGYPRNAAENKEAWFTCATCGAGYHDTFKR AIRNDEHKVFIIDGFPRNAAENKEAWFLQANKVNIDTALCV LDALPQETGVIFDGYPRTILPQAEGRRVCRKCGVNYHRVFN IDGYPRTILPQAEGRRVCRKCGVNYHRVFN IEDL SQNFLLDGFPRNIAEAKQLDVALSELSSCIDFVI LSSEYKNGYILDGFPRNVAQAEAKQLDVALSELSSCIDFVI LSSEYKNGYILDGFPRNIEQAKGLDVALSELSSCIDFVI LSSEYKNGYILDGFPRNIEQAKGTYSCKNCGKIYNRYFLQ AQPDVARGVILDGFPRNIEQAKFYSCKNCGKIYNRYFLQ AQPDVARGVILDGFPRNIEQAKFYSCKNCGKIYNRYFLQ AQPDVARGVILDGFPRNIAQRLSGRRVSSSGRIYHVEFD LAQPDAERGYLLDGFPRNIAQRLSGRRVSSSGRIYHVEFD |
| UniRef90_A0A024U5C9 UniRef90_L1L9M5 UniRef90_UPI0003B6BA34 UniRef90_UPI00035D47E7 | GQPDCAQHGWLLDGFPRNEAQARCMVSFGLPDMVLVLDV INTPKCRRGFLLDGFPRTETQAEKRLIHPGSNRVYHKIFK LAQADAAEGFLLDGYPRNRGQVDDLDAFLTGRDAVIELEV LDALPQETGVIFDGYPRTHAQAVRFTCGAGYHDTFKR |
| UniRef90_B0ER70 UniRef90_D5E4X8 UniRef90_UPI0002554EC5 | ALRNDEHKVFI I DGF PRNAENKEAWFLQANKVNIDTALCV LELHKKNKFMI LDGY PRTLEQARFLDKIKEVKFKVVQLVA LAQADAQKGYI LDGF PRTI PQAEGRRVCRKCGVNY HRVFN |
| UniRef90_Q0EW57 UniRef90_L0EUT2 UniRef90_C3PP86 UniRef90_V7EG37 | I E DIL S Q N F IL L D G F P R NIVIA Q A E A IL IN Q MIL IS R H G G F H R Q Y S I R K V D C A N G F I L D G Y P R N I E Q A K Q L D V A L S E L S S C D F V I L S S E Y K N G Y I L D G Y P R N L E Q A K F Y S C K N C G K I Y N R Y F L Q A Q P D V A R G V I L D G F P R D G Q A G R F T C A G C G E G Y H D E F K R |
| UniRef90_H0E8R1 UniRef90_U1LNH3 UniRef90_UPI000366AD99 | ILISKAD <mark>C</mark> KNGEMILIDGIVIPRTILIGOAEAILIKKILIGIVIEILID <mark>C</mark> ILVIEILITILI |
| UniRef90_B3PMM7 UniRef90_C1FHZ1 UniRef90_B4SA64 UniRef90_D4JX77 | S D L S K K H L A F I L D G Y P R T L D Q A N F R R I C P A D K T L Y H L E F N I K D V S C R N G F I L D G F P R T V P Q A K M R W L H A A S G R S Y H T K F S L T K S D C S N G C L F D G F P R T L T Q A E A L R K D G I H I D Y I V E I D V I A Q D D A K N G F I L D G F P R T V A Q A E A L D A M G V Q I D K V I E I A V |
| UniRef90_Q2YB23 UniRef90_R7ID89 UniRef90_D5U1I0 UniRef90_R5J7Z1 | LAQPDCSKGFLEDGFPRTIPQADAMKAAKVPLQFVIEIDV AKID GKPFILDGFPRTLNQAKSLDNMLDKDYEVIYLDL LQEKDVEKGFILDGFPRTLNQAKRVICPVCGRVYNLYYEP LSSIKKSNGILEDGFPRTLKQASMRVSCNNCGSIYNLYED |
| UniRef90_S9Q651 UniRef90_B8J881 UniRef90_UPI0003F91BEC UniRef90_A0A010SHH0 | EGDHAGG FIFDGFPRTLPQADALGDLLAKHGTTLDAVV LSRPDVAPGFILDGYPRTVVQAEYRRSCPRCGAVYHVSQN LRLIDSKSGLLLDGFPRTLNQVESLPDLGIEIDHVIELHV DNNKECKGGFILDGFPRTVPQAEGLDTMLKARNQTLQHAV |
| UniRef90_F9UK13 UniRef90_Q2CBK8 UniRef90_K9ZHD9 | ESLLAKGQKI LDGYPRTLDQVEFLKTIKNFDYKVVELTA LTQGGAAGGYI FDGFPRTLPQADRSTCGDCGEVYNDQTRP LSQQDANCGWVLEGYPRTAFQAEELDFLLDNLGEKLNWAI |
| UniRef90_E6U8I2 UniRef90_UPI0003C28ED4 UniRef90_Q7UZW3 UniRef90_Q22RE2 | SDLSKKHIAFILDGYPRTLDQANFRRICPADKTIYHLEFN IKDVSCRNGFILDGFPRTVPQAKMRWIHAASGRSYHTKFS LTKSDCSNGCLFDGFPRTLTQAEALRKDGIHIDYIVEIDV IAQDDAKNGFILDGFPRTLTQAEALRKDGIHIDYIVEIDV IAQDDAKNGFILDGFPRTLTQAEALDAMGVQIDKVIEIAV IAQPDCSKGFLFDGFPRTIPQADAMKAAKVPLQFVIEIDV AKID GKPFILDGFPRTLNQAKSLDNMLDKDYEVIYLDL LQEKDVEKGFILDGFPRTLNQAKSLDNMLDKDYEVIYLDL CQEKDVEKGFILDGFPRTLNQAKSLDNMLDKDYEVIYLDL CQEKDVEKGFILDGFPRTLNQAKSLDNMLDKDYEVIYLDL CQEKDVEKGFILDGFPRTLNQAKRVICPVCGRVYNIYYFD SSIKKSNGIFDGFPRTLNQAAKRVICPVCGRVYNIYFD SSIKKSNGIIFDGFPRTLNQADALGDLLAKHGTTLDAVV LSRPDVAPGFILDGFPRTLNQVESLPDLGIEIDHVIELHV DNNKECKGGFILDGFPRTLNQVESLPDLGIEIDHVIELHV DNNKECKGGFILDGFPRTLNQVESLPDLGIEIDHVIELHV DNNKECKGGFILDGFPRTLDQVEFLKTIKNFDYKVVELTA LTQGGAAGGYIEDGFPRTLDQVEFLKTIKNFDYKVVELTA LTQGGAAGGGYIEDGFPRTLDQADAEALDQMGVRIDTVLEIDV ESLLAKGQKIILDGFPRTLDQADAEALDQMGVRIDTVLEIDV ESLAKGQKIILDGFPRTLDQAAEALDQMGVRIDTVLEIDV EKPAYQNGFILDGFPRTLPQAAEALDQMGVRIDTVLEIDV EKKTLEQYSWLLDGFPRTVPQAAEALDQMGVRIDTVLEIDV |
| UniRef90_K7W3A0 UniRef90_F2I1G5 UniRef90_G0JRR2 UniRef90_G3PZP5 | S HSSAQRGWILDGFPSNLSQVLRAKGHTALSERPYDQVF LEDKSIENRIIFDGFPRNIDQAKTLDNCSVCKKTFNEFFD LLLEDASDGVIFDGFPRTIHQAHGRRVCSKCGAIYHIRYH RALDHSS WLIDGFPRTVSQAESRWTHLSSGRVYNVDFN ED ADGFVLDGYPRNESQVEYRRVCPECGASYHVEFN IKDADCQAGFLFDGFPRTIPQAEAMKQAGVMIDYVVEIDV |
| UniRef90_U3AED7 UniRef90_Y0KF09 UniRef90_R4WIT0 | A D G F V L D G Y P R N E S Q V E Y R R V C P E C G A S Y H V E F N I K D A D C Q A G F L F D G F P R T I P Q A E A M K Q A G V M I D Y V V E I D V L D K P E C R K G F L L D G F P R T V G Q A D K L D E H P A S G R S Y H E E F V |
| UniRef90_D1J866 UniRef90_S6GEG8 UniRef90_G3MFY5 UniRef90_G2XUU2 | LDKPECRKGFLLDGFPRTVGQADKLDEHPASGRSYHEEFV TELVRENKHFILDGYPRTLAQAKFRRICLNCKIIYHLQSF ITQADCANGFLLDGFPRTIPQADALKDAGVVIDAVVEIDV INTNFKNEHWLLDGYPRTVPQAEGRWIHAASGRTYHTEFN ARRPGKEMVFLIDGFPRSIYPISLFESTVCAPSLVLSLHC |
| UniRef90_G6D3R7 UniRef90_A6FSE5 UniRef90_UPI00005889D9 UniRef90_H3CLM4 | A M Q K S G K T R F L V D G F P R N K D N L D G W Q R L M T D K T F V L F F E C L A E A D C A R G V I L D G F P R T T V Q A E R F T C G G C G E G Y H D S F K P N G L P P N W L L D G F P R T V A Q A E W R W L H P G S D R V Y N L D W N F S S S K O G K G L V V S D F P T D L R W A K F F S S K V G F P S A V L V L R C |
| UniRef90_M7NJS1 | INTNFKNEHWLLDGYPRTIPQADALKDAGVVIDAVVEIDV NTNFKNEHWLLDGYPRTVPQAEGRWIHAASGRTYHTEFN ARRPGKEMVFLIDGFPRSIYPISLFESTVCAPSLVLSLHC AMQKSGKTRFLVDGFPRNKDNLDGWQRIMTDKTFVLFFEC LAEADCARGVILDGFPRNKDNLDGWQRIMTDKTFVLFFEC LAEADCARGVILDGFPRTTVQAERFTCGGCGEGYHDSFKP NGLPPN WLLDGFPRTTVQAERFTCGGCGEGYHDSFKP NGLPPN ESSSKQGKGLVVSDFPTDLRWAKEFESKVGEPSAVIVLRC IQVTRGKKRFLIDGFPRKLDQMLAFEKNVCPCKFTLDFHC LQQDDAVAGWILEGYPRTAFQAEELDFLLEELGKPLDWAII DETIKTNTKIILDGFPRTIDQAKFLETIENFEYKVVLFFDV |
| UniRef90_B6EHK0 UniRef90_A0A037UKT3 UniRef90_V5FZH2 UniRef90_B0EEP6 | HLQI VS GDL I WD GFPRNI F QAKKLDQCLT CGRTYHKTAL DNNVECKNGFI LDDFPRNVTEARL LDEMLESRNQYHTIFH ALQEHPHKVFL I DGFPRNEENKNVWEEMVFEVVKCITI DV |
| UniRef90_UPI000161CF02 UniRef90_I0GKG0 UniRef90_UPI0003B53B96 UniRef90_I3TEA7 | MNDCLSAKAFILIDGFPRNQDNIVEGWEHAMLSKAFVLYLHC LSNYNLKDGYILNGFPRTINQAEFRRICKNCGSVYNIYFS LHEPDTKSGFILDGYPRNIVQLAGRRTCSNCQEIYHIVNR LSEPDTKRGFILDGFPRTIKQAQNRYVCGRVYNLTYN |
| UniRef90_UPI00046D9673 UniRef90_I3ZWL0 UniRef90_H6BZL5 UniRef90_E6YIA9 | EIKTLEGRNWLLDGFPRTVPQAKNRWTHLPSGRVYNIGFN RRH RRNFLIDGYPRTPAQVLALEEYLYDHGMYHVKYN EEQMETKSLVILDGFPRSLDQARAFEEKIRGRFFTILKC USESDCANGEILDGYPRTVVQAFAFQQULKSKNFQUDAVI |
| UniRef90_UPI000258EFC5 UniRef90_E4PZK3 UniRef90_UPI000258EFC5 | LEHLRENKGFLVIGFPQQKEQCRIFDRAIRQPDLVLFLQA ENYNKSGKIVILDGYPRTLSQVEFRRFCPNCKASFHIDFM AELVEKEIPFILDGFPRTIDQAEFRRICPSCKTICHLESF |
| UniRef90_H2M3P6 UniRef90_G3RZB8 UniRef90_S5YFG2 UniRef90_R6H485 | DETIKTNTK I L DGFPRT I DQAKFLET I ENFEYK V V E Y A I A QE D C A K G F L L D G F P R T I D Q A K F L E T I E N F E Y K V V E L Y A H Q E V S G D L I W D G F P R T I P Q A D G L K E N G V S I D Y V L E F D V H Q I V S G D L I W D G F P R T I A Q A K K L D Q C L T C G R T Y H K T A L D N N V E C K N G F I L D D F P R N V T E A R L D E M L E S R N Q Y H T I F H A Q E H P H K V F L I D G F P R N E E N K N V W E E M V F E V V K C I T I D V M N D C L S A K A F L I D G F P R N Q D N V E G W E H A M L S K A F V L Y L H C L S N Y N L K D G Y I L N G F P R T I N Q A E F R R I C K N C G S V Y N I Y F S L H E P D T K S G F I L D G F P R N I V Q L A G R R T C S N C Q E I Y H I V N R E S B D T K R G F I L D G F P R T I V P Q A K N R W T H L P S G R V Y N I G F N R R H R R N F L I D G F P R T I V P Q A K N R W T H L P S G R V Y N I G F N R R H R R N F L I D G F P R T V V Q A E A F E E K I R G R F F T I L L K C I S E S D C A N G F I L D G F P R T V V Q A E A L Q Q I L K S K N E Q L D A V I E N Y N K S G K I V I L D G F P R T I V Q A E F R R I C P S C K T I C H L E S F K S M E H I S W L L D G F P R T I V S Q A T S R W T H I S G R V Y N T D F N A E L V E K E I P F I L D G F P R T I V S Q A T S R W T H I S G R V Y N T D F N A E L V E K E I P F I L D G F P R T I V S Q A T S R W T H I S G R V Y N T D F N E S S G V S S K F I E D G Y P R T I N Q A E S A N E L N F K L D C V I Y L D I |
| UniRef90_K4E1Y3 UniRef90_U5ERQ8 UniRef90_E3SFV9 UniRef90_F4P268 | I ARPECKY GYV L DGYPRIL IRQA QLIMEEA GERVDKVI LIFDA |
| UniRef90_R7LBB4 UniRef90_A0A024GBR2 UniRef90_U9VRH4 UniRef90_D7G8S6 | LSQTNLNSGFLLDGFPRNVLQAQFRRICTQCGKVYHLNNI KGMSD SQCYVLDGFPRTVPQAEMLDAWLKQNGTPLAMVI LQPDV KKGFVLDGFPRTVKQADMRMVCEKCQTPYHKTFT QQRDCQAQGWLLDGYPLTFLQAESMLIHGIFPDLIVHI EQPDVMLQGWVLDGFPRTLDQAQSLNELLLKVGQPVAKVA ERAKGRGKHILLDGFPRSTAQAKAL KDHLVVDMVMNLDV |
| UniRef90_D4LD92 UniRef90_UPI00034F40F3 UniRef90_G0QP47 | NSAEVSHFGYI I TELPSUSQDAVTTLQQIEFI KNVNPDI I |
| UniRef90_UPI0004650D4E UniRef90_UPI0003C9077A UniRef90_K2H9W0 UniRef90_M5GB18 | INCHTQHKPFILDGYPRTLDQAKFRRICPKCKTTYHMQFN ISAALSCECYAKLMIMVIKQRLTARWIHPASGRVYNTEFN RDDQGGG FIFDGFPRTLAQADALEALLDRTGNHLDAVI RAALDAHAHPVIDGFPRKMDQAVRFDKSVCKSGFVLFLST |

| James D. M. Seldon J. A. D. E. E. I. V. K. R. L. S. G. R. R. W. L. P. G. R. D. D. E. E. D. T. V. R. R. E. L. R. L. W. H. D. Q. T. A. P. L. L. M. M. D. D. T. A. P. L. L. W. R. S. G. R. R. W. L. P. G. R. R. R. L. W. P. D. T. E. S. V. S. G. R. R. W. L. P. G. R. R. R. L. W. P. D. T. E. S. V. S. R. R. R. R. W. L. R. R. R. R. R. R. R. R. R. R. R. R. R. | | 130 140 150 160 |
|--|---|---|
| JARABOO ASPREAD D D D E L YM R L S G R S H J P O R N D D T E ALL R E RILYR N H O O Y K P L I MAN NO JO K P L I MAN NO J | UniRef90_M5E102 | A D E E I VK R L S G R R V H P Q R P D D E E D T V R K R L A I Y H D Q T A P L |
| JARRESO, ALDINA, JARRESO, ALD | UniRef90_A8PP28 | D D D E V K R L S G R R I H P Q R H D D T E A I R E R L R I Y H Q Q T K P L |
| JARABOS LAGUDA D E E E CONTROLL SI V. GRIS DO NR E TA AM RYK WY M KO TE P JARABOS LAGUDA D E E E CONTROLL SI V. GRIS DO NR E TA AM RYK WY M KO TE P JARABOS LAGUDA D E E E CONTROLL SI V. GRIS DO NR E TA AM RYK WY M KO TE P JARABOS LAGUDA D E E E CONTROLL SI V. GRIS DO NR E TA AM RYK WY M KO TE P JARABOS LAGUDA JARABOS LAGUDA P K V. P. GRIS DO NR E TA AM RYK WY M KO TE P JARABOS LAGUDA P K V. P. GRIS DO NR E TA AM RYK WY M KO TE P JARABOS LAGUDA JARABOS LAGUDA P K V. P. GRIS DO NR E TA AM RYK WY M KO TE P JARABOS LAGUDA J | | D D E |
| Junkergo Dick 2000 Dick | UniRef90_L2GUD4 | DEEECVRRIVGRN QGRSDDNRETAAMRYKVYMKDTLPV |
| Junkergo Dick 2000 Dick | UniRef90_A0A024U5C9 | P D E DV VA R I S G R R V D P Q R S D D T E A T V R I R L K T Y H L N V N A V |
| Junkergo Dick 2000 Dick | UniRef90_L1L9M5 | PPKVPGKDDITNEPLVSRTDDTPEIIIKKRMEQYRELTQPL |
| JAMESSON OFFICIAL STATE OF STA | UniRef90_UPI00035D47E7 | PKVEGTCDLCGGHEFKRRPDDNEETVRTRMAEYRAKTAPI |
| JAMESSON OFFICIAL STATE OF STA | UniRef90_B0ER70 UniRef90_D5E4X8 | F [] D V S E E T M |
| JARGERO CAPPER JARGERO LINEARS JARGERO | UniRef90_UPI0002554EC5 | PPKKADT CDSCGGEVYTREDDKPEAVQKRLEVYRNQTEPL |
| JARGERO CAPPER JARGERO LINEARS JARGERO | UniRef90_L0EUT2 | KLRVDDNA MLKRIEKHVRADDNY KPFLNRL VEFRKKTALL |
| Junkergo Junkergo Junkergo Junk | | PKTDNVCDVCGSSTFDYRKDDNEEVIKKRI EVYKTETYPL PAQAGTCDRCGGHDFKRRADDNAETVRERLISAYHAQTAPL |
| Junkeley C1-EK-1 Junkeley D4-W377 Junkeley D4- | UniRef90_H0E8R1 | PPKIVIAGKDDIVIDGTDII I IQRDDDKPDTII IRKRII IAIVIYHEQTAPII |
| Junkeley C1-EK-1 Junkeley D4-W377 Junkeley D4- | UniRef90_UPI000366AD99 | DDNII KRMSGRRIHI QRKDDAEEI VKDRLNVYHKQTAPL |
| June | UniRef90_B3PMM/ UniRef90_C1FHZ1 | PPKKAGVODKOQIALIKRPDDAPEVIKQRLAVYASQIKIL |
| June | UniRef90_B4SA64 | EDKEITERMSGRRVHTQREDDREETVKKRLENYHAQTEPL |
| June | UniRef90_Q2YB23 | S D E E L V R R L S G R R V H P Q R D D D K E E T L R K R L E L Y H A Q T E P L |
| Jinkel90 R59/271 Jinkel90 R59/281 P. P. R5 R5 R5 R5 R5 R5 R5 R | UniRef90_R7ID89 UniRef90_D5U1I0 | KPKNDEIV <mark>C</mark> DYDGSKL VRRQDDEPEII VRNRYRVFYQTFTPII |
| Jinkergo Balgast | UniRef90_R5J7Z1 | C C I I C D C V C N V C C C T I I T V D C D D T I I C V C C N D C D T V M C V T M D I |
| Junicardo Cozumo Junica | UniRef90_B8J881 | P P H R A G F C D R D D A A L V Q R E D D K P E N V R K R M Q E Y G T K T E P L |
| Junicardo Cozumo Junica | UniRef90_UPI0003F91BEC UniRef90_A0A010SHH0 | P D E V V K K V G G K V H P S K E D D E H I V K L R L T E Y H Q Q T A P I P P K E Y M K D D T G E P L I Q R S D D N A E A L K K R L A T Y H A Q T A P V A P V A P A P V A P V A P A P V A P A |
| Johredgo (SezhD9) Johredgo (SezhD9) Johredgo (Johredgo | UniRef90_F9UK13 UniRef90_Q2CBK8 | PAELIMQRLNGRRF <mark>C</mark> QMRKDDSVENIKVRQKIYADQTAPL |
| JAIRGESO | UniRef90_K9ZHD9 | YLQVPQVVMVSRSLGRSLPDDQPELVQRRVELFYDRTLPI |
| JAIRGESO GAZEREZ JAIRGESO CAZEREZ JAIRGESO FZIGS JAIRGESO CASTROS S K E II M W E RI I K K R A QI S N R E D D N N H E V I Y R R II E V Y O E S T L P I JAIRGESO FZIGS JAIRGESO GASTZP5 JAIRGESO GASTZP5 JAIRGESO GASTZP5 JAIRGESO GASTZP5 JAIRGESO CASTROS P P T V C E D P N C K S R T I V K R S D D N E D T Y E T I Y R A T Y R E T A P I V J R R S D D N E D T Y E T Y R T I K K A Y Y A C T A P I V Y R K R I K T Y D E S T L Y L X R S D D N E D T Y E T Y R T R I K A Y Y O N G T E P V J JAIRGESO Y S A D V C Y E R S D D N E D T Y E T Y R D E N T T Y O R T T Y N H T M K V J JAIRGESO TO S A D V C Y E R S D D N E D T Y E T Y R D E N T T Y O R T T T Y O R T T T Y O R T T T Y O R T T T Y O R T T T T Y O R T T T T Y O R T T T T T T T T T T T T T T T T T T | UniRef90_UPI0003C28ED4 | PPEI HGI DDI TGEPL VQREDDKPETVTKARLQSYEAQTKPV |
| JAIRGESO SCYM3AO JAIRGESO SCRIPGS JAIRGESO GOJARC2 JAIRGESO GOJARC2 JAIRGESO GOJARC2 JAIRGESO GOJARC2 JAIRGESO GOJARC2 JAIRGESO GOJARC2 JAIRGESO GOJARC2 JAIRGESO GOJARC2 JAIRGESO GOJARC2 JAIRGESO USABCO7 P P K UP G D L C G G G L L Q R D D D Q P A Q V IR K R L A V V Q A E T A P L JAIRGESO USABCO7 JAIRGESO MAYON P P K UP G D L C G G G L L Q R D D D Q P A Q V IR K R L A V V Q A E T A P L JAIRGESO USABCO7 P P E E G V C D E C G A D L V Q R D D D T P E T V V R N R L A T V R E N T T O V JAIRGESO A GONG A V R S Q D D L C T E R C L G R C A L V Q R D D D T E E T V R N R L A T V R E N T T O V JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO GOSGRA JAIRGESO MASTESS JAIRGESO MAST | UniRef90_Q7UZW3 | YLDI PDEVLIKRLLIRGRKDDNEKTIKTRLKIYKETTEPL SKELMWERIKKRAOUSNREDDNINSETKRIDTEYNHTMKV |
| Jnireg90_GOURR2 Jnireg90_GOURR2 Jnireg90_GOURR2 Jnireg90_U3AED7 Jnireg90_U3AE07 Jnireg90_U3AE0 | UniRef90_K7W3A0 | S F Y V P I D V V Q R I I Q R G R I D D N H F V I Y R R I F V Y Q F H S T P I |
| JAIRE90 G3PZPS JAIRE90 Y0KF09 JAIRE90 Y0KF09 JAIRE90 Y0KF09 JAIRE90 DA AII VIE R M S G R R S H P O R E D D T P E T V/N R R L A T Y R O T T E P V J J A AII VIE R M S G R R S H P O R E D D T P E T V/N R A R L A T Y R O T T E P V J J A AII VIE R M S G R R S H P O R E D D T P E T V/N R A R L A T Y R O T T E P V J J J A AII VIE R M S G R R S H P O R E D D T P E T V/N R A R L A T Y R O T T E P V J A AII VIE R M S G R R S H P O R E D D T P E T V/N R A R L A T Y R O T T E P V J A AII VIE R M S G R R S H P O R E D D T P E T V/N R A R L A T Y R O T T E P V J AIR R S D D A AII VIE R M S G R R M H V J R D D D E P E V J K K R L S I Y N B Q T K C T E P V J J AIR R S D D A AII VIE R A K A Y R S Q T E P L J AIR R S D D A AII VIE R A R L A Y R S Q T E P L J AIR R S D D A AII VIE R A R L A Y R S Q T E P L J AIR R S D D AIR T J V R A R L A Y R S Q T E P L J AIR R S D D AIR T J V R A R L A A Y R S Q T E P L J AIR R S D D AIR T J V R A R L A A Y R S Q T E P L J AIR R S D D AIR T J V R A R L A A Y R S Q T E P L J AIR R S D D AIR T J V R A R L A A Y R S Q T E P L J AIR R S D D AIR T J V R A R L A A Y R S Q T E P L J AIR R S D D AIR T J V R A R L A A Y R S Q T E P L J AIR R S D A K S S L E R R G S R D D N L K S L E K R F S Q H V Q A L T K P L J AIR R S D D A A T V V A Q T A A P L J AIR R S D D A A T V V A Q T A A P L J AIR R S D A K S S L E R R G S R D D N L K S L E K R F S Q B C S D A L J AIR R S D D A A T V V A Q T A P L J AIR R S D D A A T V V A A R L A A Y R A Q T A A P L J AIR R S D A A D A T V A A Q T A A P L J AIR R S D D A A T V A A Q T A A P L J AIR R S D A A T V A A D A T A P L A Q T A A P L J AIR R S D A A T V A A D A T A P L A Q T A A P L J AIR R S D A A T V A A D A T A P L A Q T A A P L J AIR R S D A A T A A L A A Y R A D T A P L A A T A A A T | UniRef90_F2I1G5 UniRef90_G0JRR2 | APTIVIY GILIC DILIC G G GILLI Q R D D D Q P A IV LIR K RILIA IVIY Q A F T A PIL |
| JAIRGERO JAISAGE JAIRGERO JAI | UniRef90_G3PZP5 UniRef90_U3AFD7 | PPKVPGLDDVTGETLVQREDDTPETVTRRLKAYQNQTEPV |
| Jinker90_013866 Jinker90_038MFY5 Jinker90_038MFY5 Jinker90_038MFY5 Jinker90_038MFY5 Jinker90_038MFY5 Jinker90_038MFY5 Jinker90_038MFY5 Jinker90_038MFY5 Jinker90_038MFY5 Jinker90_038MFY5 Jinker90_048FSE5 Jinker90_048MFX S R R M M L Q R R D D D L Q E R L L S R A K S S S R ID D G IV B M K R R F E Q H IV C A G P L V Jinker90_048FSE5 Jinker90_048MFX S R D L C T E R C L G R G A G G G R D D D M L K S L E K R F S T Y L N D T L P L Jinker90_048FSE5 Jinker90_048MFX S R D L C T E R C L G R G A G G G R D D N L K S L E K R F S T Y L N D T L P L Jinker90_048FSE5 Jinker90_048MFX S R D L C T E R C L G R G A G G G R D D M K R R A D D N A A T L A Y H A Q T A P L Jinker90_048FSE5 Jinker90_048MFX S I D L E R L L A R G G G G T D N L K S L L T R R K E S T C S D Q A L T R P L Jinker90_048FSE5 Jinker90_048MFX Jinker90_048MFX S I L L E R L L A R G G R R D D N A D D T L G F R R D D N L M D T L R K R F K T H Q E L T V M P L Jinker90_048MFX JINKERPO_048MFX | UniRef90_Y0KF09 | PDAAIVERMSGRRSHPQREDDKEEVVKNRLNVYHAQTKQL |
| JAIRGE90_GSMFYS JAIRGE90_GSZVULZ JAIRGE90_GSZVULZ JAIRGE90_GSDSR7 JAIRGE90_GSRSES5 JAIRGE90_GSRSES5 JAIRGE90_GSRSES5 JAIRGE90_MSRSES5 JAIRGE90 | UniRef90_D1J866 | PPILIPGDILI <mark>CI</mark> I IK CHEKIVIT KRPDDEPEIVI IKKRILISII IYNEQTK <mark>C</mark> IL |
| Jurikef90 GBO3R7 Jurikef90 GBO3R7 Jurikef90 GBO3R7 Jurikef90 GBO3R7 Jurikef90 HSCLM4 SR DL G** TE RC** CL G** GR GA GS GR S** DD NLEVEL AA Y** HA QTA PL DIREF90 HSCLM4 SR DL G** TE RC** CL GR GR DL VIQ RE DD DK PE TLY RA RE DLLY QA CL TK PV SR DLL GD TA CL GR GT D MK RR AA DD NA A TV AA QR LLAA Y** HA QTA PL DIREF90 MYNUS1 JURIKEF90 MYNUS1 JURI | UniRef90_S6GEG8 UniRef90_G3MFY5 | PPK V PFKDD TGFP FORPDDKPAT V RAR AAYRSOTFP |
| JAINERIO JOPI00005889D9 JAINERIO JUPI00005889D9 AINERIO JUPI00005809D9 JAINERIO JUPI0005809D9 JAINERIO JUPI0005809D9 JAINERIO JUPI0005809D9 JAINERIO JUPI0005809D9 JAINERIO JUPI0005809D9 JAINERIO JUPI0005809D9 JAINERIO JUPI0005809 JAINERIO JUPI0005809D9 JAINERIO JUPI0005809D9 JAINERIO JUPI0005809 JAINERIO JUPI0005809 JAINERIO JUPI0005809 JAINERIO JUPI0005809 JAINERIO JUPI0005809 | UniRef90_G2XUU2 | PLQI LQERLLSRAKSSSRIDDGVEIMHKRFEQHVCATGPV |
| Jurikerjoo Maynusta Jurikerjoo Maynusta Jurikerjoo Maynusta Jurikerjoo Maynusta Jurikerjoo Maynusta Jurikerjoo Joogoa Jurikerjoo Maynusta Jurikerjoo Joogoa Jurikerjoo Joogoa Jurikerjoo Ju | UniRef90_A6FSE5 | IDKPG CDACGGIDMKRRADDNAAI V AQR L AAYHAQIAP L |
| Jurikef90_M7NJS1 Jurikef90_K9SNR0 Jurikef90_K9SNR0 Jurikef90_F9QD27 Jurikef90_E8EHK0 Jurikef90_BEEHK0 Jurikef90_BOEEHK0 Jurikef90_W5FZH2 Jurikef90_U9D000161CF02 Jurikef90_U9D000161CF02 Jurikef90_U9D000161CF02 Jurikef90_U9D000161CF02 Jurikef90_U9D000161CF02 Jurikef90_U9D000161CF02 Jurikef90_U9D000161CF02 Jurikef90_U9D000161CF02 Jurikef90_U9D000161CF02 Jurikef90_U9D00018053B96 APKKE_G_VC_DKC_G_G_Q_L_V_Q_R_K_DD_NE_ES_L_R_K_R_L_K_T_Y_H_T_Q_T_M_P_L_JURIKEf90_U9D0004B09673 Jurikef90_U9D000161CF02 Jurikef90_U9D00004B09673 Jurikef90_E6YIA9 APKKE_G_VC_DKC_G_G_Q_L_V_Q_R_SD_DT_PE_AL_Q_K_R_L_S_I_Y_H_A_Q_T_M_P_L_JURIKEf90_U9D00001258EFC5 Jurikef90_E6YIA9 Jurikef90_E6YIA9 Jurikef90_E6YIA9 Jurikef90_E6YIA9 Jurikef90_E6YIA9 Jurikef90_E6YIA9 Jurikef90_E6YIA9 Jurikef90_GAG0729 Jurikef90_GAG0729 Jurikef90_GAG0729 Jurikef90_GAG0729 Jurikef90_GAG0729 Jurikef90_GAG0729 Jurikef90_GAG0729 Jurikef90_GAG0729 Jurikef90_GAG0729 Jurikef90_SYFG2 Jurikef90_SYFG2 Jurikef90_SYFG2 Jurikef90_GAG0729 PP_K_V_P_G_K_C_D_V_C_G_S_G_R_L_V_R_R_R_R_R_D_D_S_L_K_K_R_L_L_V_R_R_R_R_R_R_R_R_R_R_R_R_R_R_R_R | | P |
| JniRef90 | UniRef90_M7NJS1 | SESILIERLLARG RRDDNIDTIRKRFKTHQELTVPV |
| JniRef90 | UniRef90_F9QD27 | PESI I LERLSGRATCE QAKDDEPSSI I KALEI YNEQTNPL |
| JniRef90 | UniRef90_B6EHK0 UniRef90_A0A037UKT3 | A D E V V E R M S G R R A H V R E D D K P E T V A R L G V Y H E Q T A P L P P K V A W C D D D Q T P L V Q R K D D N E E K K I R L A A Y H A D T A P L |
| JniRef90 | UniRef90_V5FZH2 | PPKQDMKDDITGEPLIHRSYDAFRNTRERLSMYRQEVSPI ORETMKKRUMKRSVDSGRSDDNEVTVLKREDTEEKETOPI |
| JniRef90 | UniRef90_UPI000161CF02 | PDDICVKRCLNRN EGRSDDNEESLRKRIKTYHTQTMPI |
| JniRef90 | UniRef90_UPI0003B53B96 | APKKEGVCDKCGGQLVQRSDDTPEALQKRLSIYHAQTMPI |
| JniRef90 | UniRef90_I3TEA7 UniRef90_UPI00046D9673 | P P K N D L V C D Y D G A K L V R R S D D E P E V I R R R Y Q V Y Y Q T F N P I D P K V P G K D D V T G E S L C Q R P D D Q P E II V Q R R L D E Y L T K T K S V |
| JniRef90 | UniRef90_I3ZWL0 | PPRVPGKCDLCGAELVRREDDRPEVVERRYDLYLKNMEPI |
| JniRef90 | UniRef90_E6YIA9 | ELVVDEDALIERMKKQVRSDDNPDAFAKRLVEYREKTAPV |
| JniRef90_G3RZB8 JniRef90_G3RZB8 JniRef90_R6H485 JniRef90_K4E1Y3 JniRef90_U5ERQ8 JniRef90_U5ERQ8 JniRef90_F4P268 JniRef90_A0A024GBR2 JniRef90_D7G8S6 JniRef90_U9VRH4 JniRef90_U | UniRef90_UPI000258EFC5 UniRef90_E4PZK3 | K N S <u> V L S D R I M A R T I T T</u> R R M S M N F D S I R K Q I K <u>D</u> F <mark>H</mark> K R N R S V P S S K G N C D K C G T P L I T R K D D S P E S I K N R L M V Y K E Q T G P L |
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| JniRef90_U5ERQ8 JniRef90_E3SFV9 JniRef90_F4P268 JniRef90_A0A024GBR2 JniRef90_D768S6 JniRef90_D768S6 JniRef90_D4LD92 JniRef90_D4LD92 JniRef90_UP100034F40F3 JniRef90_UP100034F40F3 JniRef90_UP100034S04F40F3 JniRef90_UP100034S04F40F3 JniRef90_UP100034F40F3 JniRef90_UP100034F40F3 JniRef90_UP100034S04E JniRef90_UP100034F40F3 JniRef90_UP100034F40F3 JniRef90_UP100034S04E JniRef90_UP100034F40F3 JniRef90_UP100034F40F3 JniRef90_UP100034S004E JniRef90_UP100034S007FA JniRef90_UP100034S004E JniRef90_UP100034S004E JniRef90_UP100034S004E JniRef90_UP100034S004E JniRef90_UP100034S004E JNIREF90_UP100034S004E | UniRef90_G3RZB8 | SMETMERRY LHWGQVEHRADDSELAIHQRLDTHYTLCEPV |
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| JniRef90_E3SFV9 JniRef90_F4P268 JniRef90_R7LBB4 JniRef90_A0A024GBR2 JniRef90_D7G8S6 JniRef90_D7G8S6 JniRef90_UP100034F40F3 JniRef90_UP100034F40F3 JniRef90_G0QP47 JniRef90_G0QP47 JniRef90_UP100034F40F3 JniRef90_UP100034F40F3 JniRef90_UP100034F40F3 JniRef90_UP100034F40F3 JniRef90_UP100034F40F3 JniRef90_UP100034F40F3 JniRef90_UP100034F40F3 JniRef90_UP100034F40F3 JniRef90_UP100034F40F3 JniRef90_UP100034F40F3 JniRef90_UP100034F40F3 JniRef90_UP100034F40F3 A M E V D D S A L K R S E N S G R S D D N L D S L K K R L K T Y E E S T K L L P L K R S E N S G R S D D N L D S L K K R L K T Y E E S T K L L P L K R S E N S G R S D D N L D S L K K R L K T Y E E S T K L L P L K R S E N S G R S D D N L D S L K K R L K T Y E E S T K L L P L K R S E N S G R S D D N L D S L K K R L K T Y E E S T K L L P L K R S E N S G R S D D N L D S L K K R L K T Y E E S T K L L P L K R S E N S G R S D D N L D S L K K R L K T Y E E S T K L L P L K R S E N S G R S D D N L D S L K K R L K T Y E E S T K L L P L K R S E N S G R S D D N L D S L K K R L K T Y E E S T K L L P L K R S E N S G R S D D N L D S L K K R L K T Y E E S T K L L P L K R S E N S G R S D D N L D S L K K R L K T Y E E S T K L L P L K R S E N S G R S D D N L D S L K K R L K T Y E E S T K L L P L K R S E N S G R S D D N L D S L K K R L K T Y E E S T K L L P L K R S E N S G R S D D N L D S L K K R L N L N L Y N T Q T A P L L K R S E N S G R S D D N L D S L K K R L N L N L Y R S L R R R L T H H R Q E L T P L L R L K V J R R R L L T H H R Q E L T P L L R L K V J R R R L L T H H R Q E L T P L L R L K V J R R R L L T H H R Q E L T L P L L R L K V J R R R L L T H H R Q E L T L P L L R L K V J R D D L R L R R R L L T H H R Q E L T L P L L R L K V J R R R L L T L R L R R R L L T H H R Q E L T L R L R L R L R L R L R L R L R L R | UniRef90_K4E1Y3 | PDDVIVARTSGRWMHRYHEMFRPPKVHGKDDVTGKETEPL PEDILIIDRIOSRWIHVORPDDKPEAVRKRIJEIVET <mark>K</mark> TSPI |
| JniRef90_A0A024GBR2 JniRef90_U9VRH4 E | UniRef90_E3SFV9 | PPRIVIO GII IC DKDOKEII I IORADDRPDI EII IKRII IKIVIEN OE I II IPII |
| JniRef90_A0A024GBR2 JniRef90_U9VRH4 E | UniRef90_R7LBB4 | PPKTEGVCDKCGGKLYTRDDDKPETVKKRLDVFRSTTFPL |
| JniRef90_D7G8S6 PRQIIIDRLTDRWIHPRRDDDQPEVVEERLAKYERTTRPL JniRef90_D4LD92 PDRVAGKCDKCGGNTVIRKDDEPATVLERLKVYHEQTAPL JniRef90_UP100034F40F3 INIKCPDYDLCQRVSGQRQHSTTGYIYTRDQ WDPEV JniRef90_UP10004650D4E NEETMIQRILKKSENSGRSDDNIDSLKKRLKTYEESTKLI JniRef90_UP10003C9077A PPKDLIHCDNISHEVIKRPDDDSEVIKKRLNIYNTQTAPL JniRef90_K2H9W0 AMEVDDSALVQRSDFRRRADDTEEALKTRLMEYYKKTSTL | UniRef90_A0A024GBR2 UniRef90_U9VRH4 | |
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| JniRef90_K2H9W0 A MEVDDS ALVQRS DFRRRADDTEEALKTRLMEYYKKTSTL | UniRef90_UPI00034F40F3 | INIKCPDYDLCQRVSGQRQHSTTGYIYTRDQ WDPEV |
| JniRef90_K2H9W0 A MEVDDS ALVQRS DFRRRADDTEEALKTRLMEYYKKTSTL | UniRef90_G0QP47 UniRef90_UPI0004650D4F | NEET MI QRILKRSENSGRSDDNIDSLKKRLKTYEESTKLI PPKDLIHCDNISHEVIKRPDDDSEVIKKRINIVNTOTAPI |
| UNINCHIBU NECHBUNG A MEN LOUS AL VICENS DE RENER READULE E ALL KIRLMEYYKKISIL | UniRef90_UPI0003C9077A | P P K T V G L D D L T G E P L L Q R E D D K P E T V L K R L K S Y E A Q T E P V |
| JIIIKEI3U_WIJODIO I LOV <u>LLII</u> IKLI LKOKI OOKLUUN FLIJIISKKEKI FWLI OWFW | UniRef90_K2H9W0 UniRef90_M5GB18 | A MEIVIDDS AIL VIQRS D F R R R A D D T E E A L K T R L ME Y Y K K T S T L T E S IV <u>L L H</u> R L T E R S K T S G R E D D N P L S L S K R F R T F <u>V</u> E T S M P IV |

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| United | | C6F9 I | K D Y Y K A Q G K L T T V V G Q E E V A D T S K L T L E A L K . | A |
| UNRIGHO JANOZAUJUSCI LIJAM | UniRef90_R69 | SLI6 | KHYEEKKV <u>LYH</u> VNGNQSLNQIFNDI <u>E</u> KLIN | N |
| Unixerged October Oc | UniRef90_A8 | JDN2 | VIGYY KDVKVDI DGTQSMQDVFEAI CTALD | \Box |
| Unixerged October Oc | | XGV4 I | K G Y Y Q S K GL L S S V D N Q P T I E A T T K V I L E A L | GL |
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| Unixerged October Oc | UniRef90_UP | 100035D47E7 | LPYYEAKGLVDRVDGMADIAHVGEAIDGLLD | R∇ |
| Unixerged October Oc | | E4X8 I | LDYYAKTKRMVEVDSLRAPEVIAQDI LDLLQ | r F K |
| Unice190 | | 514/57 | | |
| Unifice GURR2 | | EUT2 | SDYYHSIG <mark>C</mark> LY <mark>C</mark> VDGMLDVDSVT <u>E</u> QINSIF | |
| Unifice GURR2 | | PP86 | IDYYKNSGNFYLVNGSKSEQEIELDIQKILK | D V |
| Unifice GURR2 | | E8R1 I | I GYYEERGLLHRFDGTAPADEVEAHVRKTIS | TLR |
| Unifice GURR2 | | LNH3 I | I ALFEERGL VVEVDGLGAVDEVTERI LAGL | |
| Unifice GURR2 | UniRef90_B3F | PMM7 | DYYKNLGILKEVNAYQSTDRVYNDTKKALE | |
| Unifice GURR2 | UniRef90 R49 | FHZ1 SA64 | D Y Y K S R G K V N V | |
| Unifice GURR2 | UniRef90_D4 | JX77 <u>I</u> | KDYYMRKGKLITVQGQEEIAETSKLTLAAVE | A |
| Unifice GURR2 | UniRef90_Q2` UniRef90_R7I | YB23 <u>\</u> ID89 I | V E Y Y K D A P K Y V K I T G A G S V E T I R D A I F A S L M E Y Y E D K N K L H K I N V N R N V E D I F K D I V D V | |
| Unifice GURR2 | UniRef90_D5U | U1I0 | TEYYKERRKL TEI NGEGGUS FVMPLLEKL L | |
| Unifice GURR2 | 0111110100_1101 | J7∠1 Q651 I | | |
| Unifice GURR2 | UniRef90_B8 | J881 1 | KRYYRDRGELSDVEGVGTPEGILAVTKKVL | |
| Unifice GURR2 | UniRef90_A0A | A010SHH0 | VNYYKQNG WKGLDASQQPGQVWKNMLEVFD | |
| Unifice GURR2 | | UK13 I | LISYYQEHNNLHTFDATSSAEEIIAQIIIIKSLE | K |
| Unifice GURR2 | UniRef90_K92 | ZHD9 | LEYYDRRRRLLTINGDDSPEQVQHNILTLL | |
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| Unifice GURR2 | UniRef90_Q7 | UZW3 | LEYYKDLALLENIKADGDLKTISADIKQKM | ' |
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| UniRef90_UPI0003C9077A | UniRef90_UP | 10004650D4E | KYYEKNARV VKLNSYQAFDKV LSQTLKALG | E L N |
| UniRef90_M5GB18 VEAYRRRGKVVELDASPEVGLVYEKI | | 10003C9077A I | LIEYYRKKGVLETFSGTET NKI WPYTYAFLQ LIGYYH <mark>C</mark> KGTI RPIDGIJAPMADVAFRIJAAI ID | T |
| | | GB18 | VEAYRRGKV VELDASPEVIGLVYEKII | |



| | 50 60 70 80 |
|--|---|
| UniRef90_R6A915 | DII FRDAI SKGTPMGVKAKEFII DKGEL VIPDEII TVGII VI RER |
| UniRef90_A2FYU1 UniRef90_S2JWY2 | DL LRKNI TEOTAL GOOAQOYVADGKIL VPDDLLI SLI DSEL |
| UniRef90_D0A2W9 | N L L R E E V K K G S A I G R Q V E G L M S E G Q L I P D H V V V A M I I N R L |
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| UniRef90_W4WEJ7 | DELRAEVAS GSERGATEQDEMS KGEFVPT DI VLELIKEQM |
| UniRef90_J9HZ64 | DL LKKELQKKSEYGKAI SESIKNYRYVDDNI LIELVKNQL |
| UniRef90_M5T521 UniRef90 C5K518 | DLLRAEVASGSERGATLQDLMSKGLFVPTDIVLELTKEQM DLLKKELQKKSEYGKAISESIKNYRYVDDNIIIELVKNQL ELLRAERERGGPTAETIRSILAAGQLVPNEITVTLLKNTM DMLRAAVAAETPIGLKAKDVMARGELVSDEIVIGLIKDR |
| UniRef90_O96907 | DIL LIKA EII IKNKI EII IGILIKIVIEDII IIKNG QIL VISDEII II <mark>U</mark> N WIVIN N FII II |
| UniRef90_UPI00042C9E5A UniRef90_UPI0002F3391C | H F L R E N L K A N T E V G D M A K Q Y I E K G L L V P D H V I T R L M L L E L E I L P D A M A Q F N N L G C L S H S H L E M G E L V S D K I M L E L I Q T R |
| UniRef90_F0WC21 | DILLIRNALIH NDILIPILIGILIKAKSYMDAGOLI VIPDDILIMNDILLILIRILI |
| UniRef90_E1FII9 UniRef90_L1IND7 | DVIRAAIAEYQNEWKEAAQRYQRGELIPNNLALGLVKAEM DMLRAAVAAGTDVGKKAKANMDSGGLVTDEIVIGIIKDE |
| UniRef90_UPI00038C5A91 | SVLEEHI ATETEPGTMLQSLLMSGHSIPDELVTRLILEKL |
| UniRef90_UPI0003345DEB | SIVI IF FHILIAN FTTSGKMILIQSMILITGHNILIPDFILVITKILIMILIFKILI |
| UniRef90_K2E5K8 UniRef90_F9VLX6 | DI ARKLAAEDPRI KEIVTSGKLIPPEEITMHVLDFL DI LRKYLSDDSEIGKRISNYGIDCGKFVSDDLVNSIVSQL |
| UniRef90_O52352 | DIL |
| UniRef90_A0A059BUA4 UniRef90 K2D078 | DL LRAEVAAGSENGKQAKEYMEKGQLVPNELVV VI LRKLAVEDGEKGEMMKQVMSTGQLLSDEEVAQIMGDEV |
| UniRef90_Q5M7G4 | Q V L K E A V A D Q T K L G E L I Q P Y I E N D Q Q V P D N F V L K I L T D H L |
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| UniRef90_UPI00047A3532 UniRef90_B9S706 | D V L R A A V R D G T P L G L E A K A A M D R G D L V P D A V I MG |
| UniRef90_B4CYD1 | D V F |
| UniRef90_UPI00038EF88B UniRef90_Q01SJ5 | EALRTVLSHHPELALMLNWHLHKGMTVPEELTVQALDLSL EMFRAECKAGTEMGKVACSMISRGGFVSDDIVNGVVASRT |
| UniRef90_UPI00038EBC40 | E L L R D E R N N P E Q Y G E L I G K Y I K E G K I V P V E I T I S L L K R E M |
| UniRef90_S5LUW7 UniRef90_U3Q7B6 | DII IFRTNII I INKTKII IGII IFAQKYMNQGII I VIPDII I ITNFMIVI K |
| UniRef90_H2M295 | D Y L R A G I P A N T E A G V Q M K T Y I E R G L S V P D H V V T G L V L P K L |
| UniRef90_D2HPJ8 UniRef90_Q6F1X3 | DILLIR DIN MILIR GIT FILIGIVILIA KIT FILID QIG KILI I IP DIDIVIMIT RILLI — A ILIH |
| UniRef90_Q6F1X3 UniRef90_A8WXP9 | E I L R K K I N N E K N D E M W E K T K M N K G D A I P T K L C R Q V L Y E E L |
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| UniRef90_E4WS24 UniRef90_I0IDE7 | DMLRAQVEKGSGVGKEAKRFMDGGQLVPDHLVTKLV DVFRN MDLTSDLGRMFVDYSSRGELVPDEVTVKMWARAL |
| UniRef90_C9ZPT0 | DII IFILIN EIVIK RRT PEGEIL LIERCMRDGEQIVIPSHII ISSEIL VI IRRILI |
| UniRef90_UPI00042BF05C UniRef90_UPI0003DEC821 | QLLKEAVADKTKLGELIKPYFDSGWPVPDNIILKLTDRL DKLRLHMNNKTELGKAVSNYVLSGKFVPDDIMISMINEEI |
| UniRef90_UPI0003C87997 | PILEEHIASETKSGVMLQSMLIRGQSIPDELVTKLILEKL |
| UniRef90_A3ZSW2 | PILEEHIASETKSGVMLQSMLIRGQSIPDELVTKLILEKLDIFRWNIAHHTKLAARIQRIISRGDLVSDEIVAEIVQRRLEILRTELSNPHKWAPLIRTNMASGRTGPPEMTVSMLKSVM |
| UniRef90_A7EXX7 UniRef90_R7T860 | NILLE EADTEILIRNQAKDILTIKAGRQILIPIVIEILIWGEILIMKSRILL |
| UniRef90_UPI00044413EC | D_ <u>_A</u>]L R |
| UniRef90_K2EHY5 UniRef90_G8S1I1 | EILRQEIKKKTPLGLQVEHIMAEGKYPSDDIILAV FKK DIFRWHVRNHTKMGAQVKRIMAAGELVGDDL VESVVRDR |
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| UniRef90_UPI0001CE1B67 UniRef90_B3E181 | QLLKEAVADKSKHGEVIRPFFEKHMAVPDSIIMKILTQRL ELFRSVNAQSPV GKTFLEYSSKGLLVPDEITLQLFCSYM |
| UniRef90_A5USL8 | A L R A E I G A R T R I G R E V A P L E R G D L A P D S L M D R V L R A R |
| UniRef90_K1ZR27 UniRef90_G1X1L5 | QL FR D K A A S Q D S E S F QL K R A L E V G V L V P D E I A L K T L K S R I |
| UniRef90_V3Z5F9 | DLLRDNVARSTEIGQRAATYMSSGSLVPDTLMSRLI HLIKQAIADETKSGKAAKNYVRKGNMVPDTIVLSIVKDRL DLFRENLLNSTALGQEIKKLVERGELVPDLITLKIV EDK |
| UniRef90_O51378 UniRef90 L1JW53 | D L FREN L NSTAL GQE KK V ERGE LV PD L T K V EDK D L REE <u>RK</u> SATSQG <u>E</u> M LDQ <u>Y</u> MKEGR L PVE TAR L KQA |
| UniRef90_H9G6A2 | DL L R E E R K S A T S Q G E ML D Q Y M K E G R L I PVE I T A R L L K Q A I Q L L R N K L L R Q S R E A L A R Q Q L Q G S V P D E L WA G L L E E R L |
| UniRef90_UPI0004441ED0 | M D Q T |
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| UniRef90_F7ERX0 | DL LRDNMLRGTGFPRTLPQAEALDRAYQLDTVINLNVPFE |
| UniRef90_G0TW25 UniRef90_B8MY74 | DI LIRENVIRIK K T.P.I. GILK A F.T.A M.Q.A.G.NI. V.P.D.S.I. I. J.E.I. J.S.S.F.F. |
| UniRef90_V5H3V9 | DKLRQHIQNKTAVGLEAQKYINEGKLVPDEVMIKFIKCEL PLLEEQIASDTESGAMLQSMLISGQSIPDELVTKLMLEKL |
| UniRef90_UPI0004402463 UniRef90_S5R3Z2 | - EIL LIR DIV LIR S N N K N N E K N K II IV N DII IG NII LIS D NII LI IDII VI II IN R |
| UniRef90_UPI000388C72F | Q L |
| UniRef90_H0V338 UniRef90_G2LPX0 | SLIR KESSSLATEAQKLYQRFKKVPDMLLIQLVQERL DMLREAVHLKTNIGRIIKNVIEKGKLVSNEIVCNLI AKR |
| UniRef90_UPI00037627FB | DIFRKDKE FSKYTDKGQFVPDELVFKI I APYL |
| UniRef90_R7GFG6 | DIFRKNNAEQTELGKLADSYNSKGNLVPDDVTIKIVLEDR DCLREEKASGSKDAELINDYNKKGLIVPGENTINLLLKKN |
| UniRef90_D8M6Q9 UniRef90_C3XN21 | ELLRAEVASGSELGKLI DSFTSKGNL VPLEI VVKTI VD |
| UniRef90_B7G252 | DL LRQHVNEGTQLGKEAKSFMESGKLVPDSLMLNLLMDDA |
| UniRef90_UPI00037FD6CA UniRef90_UPI0003BBB7E6 | DALRSVNQPDTELALMLNWHLHKGLTVPDSLATQAIFVS M |
| UniRef90_UPI0003512B8B | D ML R A AVA A K T PL GL K A K E A M D K G E L V S D D L V V G I I D E A M |
| UniRef90_UPI000273AA2B UniRef90_L8Y8A7 | D MIL K A MIV A S G S E L G Q R L K K T M D A G K L V S D D M V V E L I E K N OL I K E T V A N E S K E S E L I R P E E E K E V A V P D N L V M K V I T O R L |
| UniRef90_K1YD31 | DI LRGAVQAGTPLGKEAEGYMNRGDLVPDSLIMGNENR |
| UniRef90_M0RNI9 UniRef90_Q8EUD3 | DIL VIR E EL IA S S G P LIS Q Q LIA E IL VIN Q G K LI VIS D E II I M D LI LIS K R LI |
| UniRef90_U8EUD3 UniRef90_H0YSW4 | DMLRAMVASGSELIGKRLKETMDSGKLVSDEMVVELLIENN |
| UniRef90_UPI00033363F0 | D L L R Q H V N E G T Q L G K E A K S F M E S G K L V P D S L M L N L M D D A E L Y R S E A E K Q N E L G K Q M L H F M N Q G V P I P N E L T F D Y L Y D G G D A L R S V N Q P D T E L A L M L N W H L H K G L T V P D S L A I Q A L E L S M D M L R A A V A A K T P L G L K A K E A M D K G E L V S D D L V V G I I D E A M D M L R A M V A S G S E L G Q R L K K T M D A G K L V S D D M V V E L I E K N Q L L K E T V A N E S K F S E L I R P F F E K E V A V P D N I V M K V L T Q R L D I L R G A V Q A G T P L G K E A E G Y M N R G D L V P D S L I M G I M E N R D L V R E E L A S S G P L S Q Q L A E I V N Q G K L V S D E I I M D L L S K R L D L F R Q T I D Q K G P Y W E E L K S Y I S K G L V S D E M V V E L I E N N S L L G R E L S P V A A E A R K H Y Q K F K K V P D S L L I Q L V E E R L D A L R T V L N H Y Q E L A L M L N W R L H K G M T V P D E L T I Q A L E L A L D M L R A A V A A K T E V G L K A A A V M K A G G L V S D D I V I G L I R D R D L L R E N I R E K T P L G L E A E K I I R D G G L V S D D I M V G L I R G D R D L L R E N I R E K T P L G L E A E K I I R D G G L V S D D I M V G L I I G E L C M C D L R E N I R E K T P L G L E A E K I I R D G G L V S D D I M V G L I I G E L C M C D L R E N I R E K T P L G L E A E K I I R D G G L V S D D I M V G L I I G E L C M C D L R E N I R E K T P L G L E A E K I I R D G G L V S D D I M V G L I I G E L C C M C C C C C C C C C C C C C C C C |
| UniRef90_UPI00032AF542 UniRef90_G0V9F3 | DILLRQEILQAETKILGQILASOFILAQGKILIPDDILIDKILLISKIL |
| UniRef90_K0S747 | DML RAAVAAKTEVGTKAAAVMKAGGL VSDDI VIGI I RDR |
| UniRef90_U4LBN9 UniRef90_UPI0003AF8E94 | DELRENIREKTPLGLEAEKI TROGGLVADDI MVGLI TGEE SLLQYRSELHAE QELSEGVLVGLVQQRL |
| JIIINGIBU_UFIUUUSAF0E94 | OLE LO E UVE VOLVO CRET |

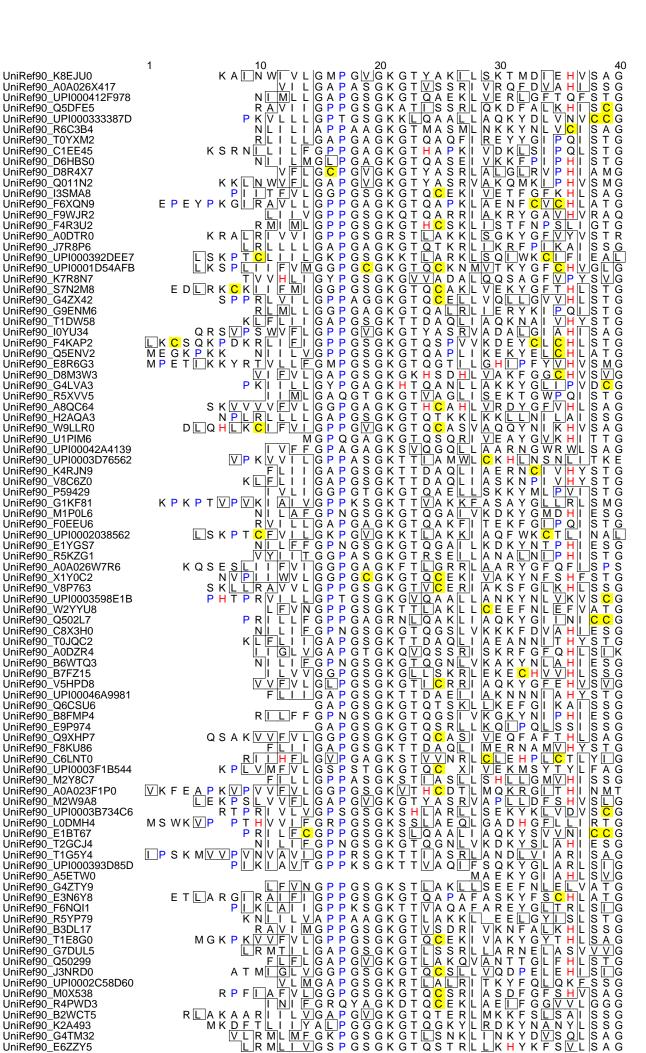
| UniRef90_R6A915 UniRef90_A2FYU1 | 90 100 110 120 LLKKDTESGFLLDGFPRTLDQALTRRVCPKCGASFNLKTL LGKLPPEQGFLLDGLPRTLNQACGRLFHPGSGRTYHTKFN |
|---|---|
| UniRef90_S2JWY2 UniRef90_D0A2W9 UniRef90_UPI00038701DE UniRef90_M1VIP1 | L GKIPPEQGFI L DGIPRTI N Q A CGRL F H P G S G R T Y H T K F N L N V G N T N W L L D G F P R T I S Q A M D R W I H I P S G R V Y N L S Y N Q R P D T K G R G I L L D G F P R T R A Q A E T L A A N G F K V D A M I F I D V S N V D C I K Q G W I L E G F P E N Q E Q A W M L Q S S G I I P R H V V V L Y A A A P D V Q T S G W L L D G F P R T A A Q I V A M D A A G I E P D L V I S L D V |
| UniRef90_W4WEJ7 UniRef90_J9HZ64 UniRef90_M5T521 | DKAHTTKTGFFI DGYPREKDQG <u>I L</u> FEEK <u>VCPVDLI L</u> FFDV KNYEKDNQS WI I EGFPRTK <u>VQA</u> I I RTTGKKNFL LDGFPRSLISNLDGWYEIFGYDPKMLYFE <mark>C</mark> |
| UniRef90_C5K518 UniRef90_O96907 UniRef90_UPI00042C9E5A UniRef90_UPI0002F3391C | I QEI DAGWGFI LDGFPRT VEQATRICGRWIHKPSGRSYHV AKNE KEVI VFDGYPRAVSQALLKEATAETKI CVINLEI ENRR GEHWLLDGFPRTLVQAERRWIHPPSGRVYNLDFN LKKPDFDRGWVLEGYPRTAFEAEELDFLLDNLGHNLDWAI |
| UniRef90_F0WC21 UniRef90_E1FII9 UniRef90_L1IND7 | QDEDCQQYGWLLDGFPRTGPQAQALLEHEIIPDAMLVLQV SKHRNAKA FFLEGFPREARQVENFEREVRPVNMAMILDV |
| UniRef90_UPI00038C5A91 UniRef90_UPI0003345DEB UniRef90_K2E5K8 UniRef90_F9VLX6 | KSPEVSHFGYIITEMPSTLQQLEFVKNLELQPDVIINIKC NSVEVSHFGYVITELPSLSEQAMTIPDIIINIKCPDFDLC QKNKPDLKDILFEGFPRFVSQLSSRWMCSKCGQIYNTESN KSDKLDQSYLLDGYPRTVSQAEFYINCINCGNIYNLQND |
| UniRef90_O52352 UniRef90_A0A059BUA4 UniRef90_K2D078 | HKNQSQDKIIFDGYPRTLNQ <mark>C</mark> EYI <mark>C</mark> PQ <mark>C</mark> KRIYNINSVDF MVPEEILVERVVGRRLDPVTGRIYH SGEEY KDGFVMEGFPRTEKOVELFNPDF DKVIYLEV |
| UniRef90_Q5M7G4 UniRef90_F7XX96 UniRef90_UPI00047A3532 UniRef90_B9S706 | S S L E S A K H G W V L H G F P Q D T D Q A A L L K D A G F M P N R V F S L D L K Q N Y Y R N G F V L E G F P R T M A Q A Y A L K E A G V M D Y V L F F E I L A S P T A A N G A I L D G V V R T T P Q A Q G L T D A L A A L G R K V D A V L L Q P D A Q E N G W L L D G Y P R S L S Q A T A F M E L N F Q P D L F I L L E V G D M V G S H D S L V L D G L P R S V N Q A K L M Q E M L E V K K V F H L S C P |
| UniRef90_B4CYD1 UniRef90_UPI00038EF88B UniRef90_Q01SJ5 UniRef90_UPI00038EBC40 | G D MV G S H D S L V L D G L P R S V N Q A K L M Q E M L E V K K V F H L S C P M D S A C N T A G V V I D G Y P V T T H Q M D L L E K R S I I P M I V F E L D I A R P D C A N G F L L D G Y P R T V P Q A I W F R Q C P K C L Q I Y N A I S L D Q T M A A K N K F L I D G F P R N Q D N L Q G W N K T M D D V S F V L F F D C |
| UniRef90_S5LUW7 UniRef90_U3Q7B6 UniRef90_H2M295 | E Y L E R K H D N L I F D G Y P R T D D Q A Q Q L D K M L L L L N S K I D L V I |
| UniRef90_D2HPJ8 UniRef90_Q6F1X3 UniRef90_A8WXP9 UniRef90_UPI00036A76FE | ELKNLTQHSWLLDGFPRTLPQAEAL DRAYQIDTVINLNV FLQDNHNQLIFDGIPRTLNQAKILEENNAKIDKVIYIDV HSRGSSNWGYVIEGYPKSPDQLVDLEHALQRTDLAILIDC LQKDDCTNGFLLDGFPRTIPQAKALLEAKIAIDIVIELSV |
| UniRef90_E4WS24 UniRef90_I0IDE7 UniRef90_C9ZPT0 | N |
| UniRef90_UPI00042BF05C UniRef90_UPI0003DEC821 UniRef90_UPI0003C87997 UniRef90_A3ZSW2 | NSPEVSHFGYIITEMPSLSQDAMTTLQQLEKPDIIINIKC AEHDW NFGFILDGFPRSVVQAEFFRLCSGCGLDYNLIHH |
| UniRef90_A7EXX7 UniRef90_R7T860 UniRef90_UPl00044413EC UniRef90_K2EHY5 | D G K M K M K M E F L I D G F P R S T D R I A L F E S T I S P P T L V I S L T S K V F D C I K K G W V L D S F P E T R E Q A I V L A S L G I Y P K H C I L L N A M D S K C N T A G V V L D G Y P I T K N Q M N L M E Q T S I I P M I I F E L D V R L S Q V K D K G V I L D G L P R T M N Q A K K R V T C E E C G R P Y P K D F P |
| UniRef90_G8S1I1 UniRef90_K2ELY0 UniRef90_UPI0001CE1B67 | L H Q H D WN Y G F V I D G F P R N G P Q A E F F M L C P N C G M D Y N L I A D K K N L D V G K N V I L D G A L R T V D Q A C K Y E F F A S L G L E D E V T V D R Q D S V Q R G W V I H G F P R D L D Q A Q M L D S L G Y S P N R V F F L N V |
| UniRef90_B3E181 UniRef90_A5USL8 UniRef90_K1ZR27 UniRef90_G1X1L5 | EKVITEGRFRPKDGLPRNVSQWHILSEQVEVLYVVYHLHCP LETLDPDEGILLDGYPRTMRQALGLAAMLADCDRTLHMVI SQSDYGSG YILDGYPRNYAQ IEGLEKDIDKVFYIKV ASLPPAEQSYILDGFPRTRPQAESLTEAGVDVNFVVNLDV |
| UniRef90_V3Z5F9 UniRef90_O51378 UniRef90_L1JW53 UniRef90_H9G6A2 | A S L P P A E Q S Y I L D G F P R T R P Q A E S L T E A G V D V N F V V N L D V G Q L D C V T R G W V L H G Y P L S R E Q G E Q L E K Q G F V P N R I F F L D V I K A I K K N K D F I L D G F P R N I C Q A E G R R C K S C N N I F N I Y T L D K D K H R F D V F I L D G F P R N M D N L R G W N E I D V N V Q F M V F L E C A D V D C V K L G W V L D G F P E T R A Q A R L L Q A L G V A P R H V V V L E A M A A N A Q K N K F L I D G F P R N E D N L Q G W N K T M D D V S F V L F F D C |
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| UniRef90_F7ERX0 UniRef90_G0TW25 UniRef90_B8MY74 UniRef90_V5H3V9 | Y NI E F N S Q G D A L Q N G W V L D G F P Q T R S Q A L R L Q T A G L P P L L F V V L D V Q S K G W S N A S F I L D G F P R T A T Q A S S R W V H E S S G R V Y N D G F N Q K V F D F S WI L D G F P R T I S Q A L G R W V H I A S G R V Y N D G F N |
| UniRef90_UPI0004402463 UniRef90_S5R3Z2 UniRef90_UPI000388C72F | N S P E V S H F G Y V I T E LL P S LL S Q D A M T LL F Q Q LL E LL I R N L N P D LL L K C S D C L N G Y L L D G F P R T LL S Q A H A M K E A G LL I D N L L E L Y V L G K L D C A S F G W V L H G F P R D A D Q A F LL R N T G F V P N R V F F L T L |
| UniRef90_H0V338 UniRef90_G2LPX0 UniRef90_UPI00037627FB UniRef90_R7GFG6 | SEVELRQEGWI L DG PETREQG MMQT LG LAPKHVI I LNA IQKKD CINGFL L DG FPRT LEQAYYLSKI NFKI DYVLEFMV KDNI I LDG FPRNLKQAKTRI QCPECNAIYNI KTN LKQD DVKEGI I LDG FPRT LKQARRVCSNQECKAVYNI VLN |
| UniRef90_D8M6Q9 UniRef90_C3XN21 UniRef90_B7G252 UniRef90_UPI00037FD6CA | LKQDDVKEGIILDGFPRTIKQARRVCSNQECKAVYNIVIN RFYEQGQKKIIIDGFPRSMENLEGWEKDKVDLKCVMLLEC AISNAPKNVVLIDGYPRSVEQMIELDRILQDKNDITLASV KPYIEEGRSLLLDGFPRTLQQAQDRWIHPASGRIYSYSYK LMMDGYPKQIDHLEFLESTLKAQGKEYCAHCESNYHAVFH MHSACNTAGVIIDGYPVTKYQVSLLEAESIIPLIIFELDV |
| UniRef90_UPI0003BBB7E6 UniRef90_UPI0003512B8B UniRef90_UPI000273AA2B | MHSACNTAGVIIDGYPVTKYQVSLLEAESIIPLIIFELDV KKPSCQKGFILDGFPRTVTQAQKRWIHPASGRTYHTKFA LDSPPCKNGFLLDGFPRTVRQAEMLDDLMDKRKEYHEEFN SQQDCIQKGWVLHSFPRDLDQAHLLKSLGFHPNRVFFLNV |
| UniRef90_L8Y8A7 UniRef90_K1YD31 UniRef90_M0RNI9 UniRef90_Q8EUD3 | ERETKGESGFILDGFPRTVGQAEIL EGVTEIDLVVNLKL DKNMDKS FILDGCIRTIAQADFRRICSKCKRIVNIHYS |
| UniRef90_H0YSW4 UniRef90_UPI00033363F0 UniRef90_UPI00032AF542 | LDSPPCKNGFLLDGFPRTVKQAEMRLIHPASGRSYHEEFR REEDCIRRGWILDGIPETREQVIMMQTLGFAPRHVIVLNA MESTCNTAGVVLDGYPVTTYOMTLLFARSILPMILFEIDV |
| UniRef90_G0V9F3 UniRef90_K0S747 UniRef90_U4LBN9 UniRef90_UPI0003AF8E94 | QEQNWSKSSWVLDGFPRTTTQAQKFDETLDKYNKNLNLVV IKEEDCKFGFILDGFPRTLVQAKALDKLLKEEGACVTLQV SKRGWPSSSFLLDGFPRTKCQAKRLDEQVHMNRVYNTGWN KEMDCFHRGWVLEGIPQTRLQALSLQQGGVIPEHVVMLEA |

| | | 130 140 150 160 |
|----------------------|----------------------------------|---|
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                                                                                                                                                                                                                                               LEYYQKKGVLETFSGTET NKI WP
TGCYEP FFVRI DGERSVDEV FA
LQHYERKGCL WRVEGNTS DEI SP
ATFYREKGILKEFCGDET NVI WP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   V Y A
I <mark>C</mark> E
L F A
V L E
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Q
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Q I D
E V E K
W L
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LE
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Y L E
H | S K V
N V K M V N
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C
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| UniRef90_UP1000412F978 | - | DKI BRHVTAGTDI GKEVKKYI DNGSEVPDDTMI SI I SN |
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| Dimire D | | D MI IR A A VIA A GT F VIGKKAKAKA MD S GAIL VIT DEIL V VIGIL I A DR |
| DIRIEGO F6XON9 | | DMFRKAI KEETELGKE <u>A</u> KSY <u>M</u> DRGELVPDEVTVGI V KE <u>R</u> |
| DIRIEGO F6XON9 | | DL VRQELKRDSPLSKELKDLVSRGKLLPDELVLGLLTKRL |
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| UniRef90_E8R6G3 | ELLITHDRHVLILIDGIPRNYAQAERLANVLDVVQIFHL <mark>C</mark> IN |
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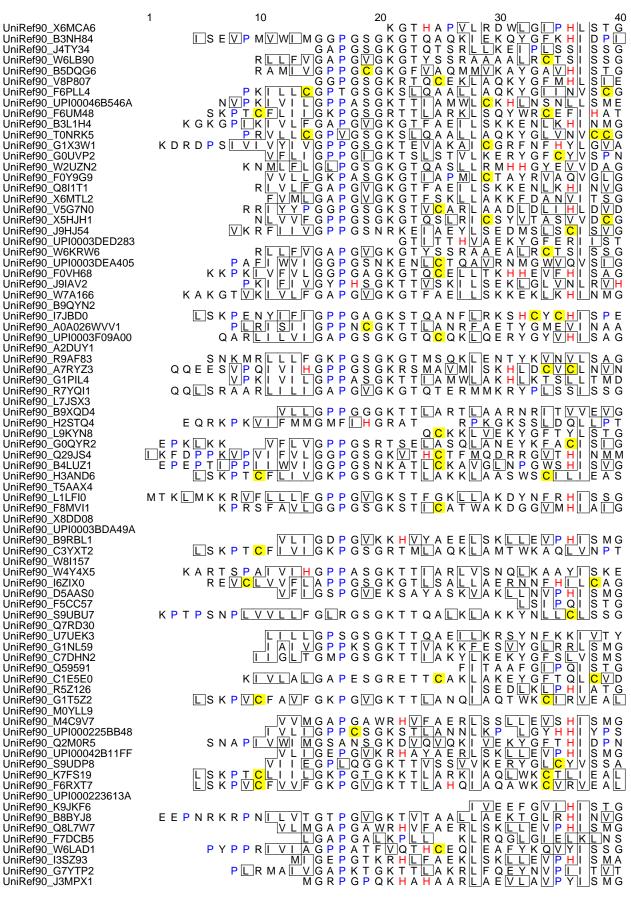
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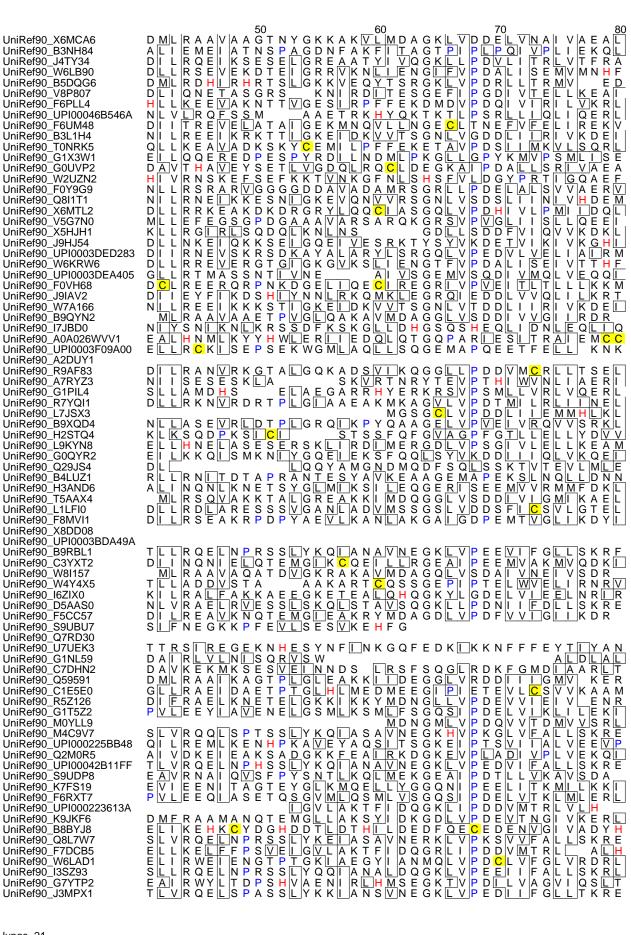
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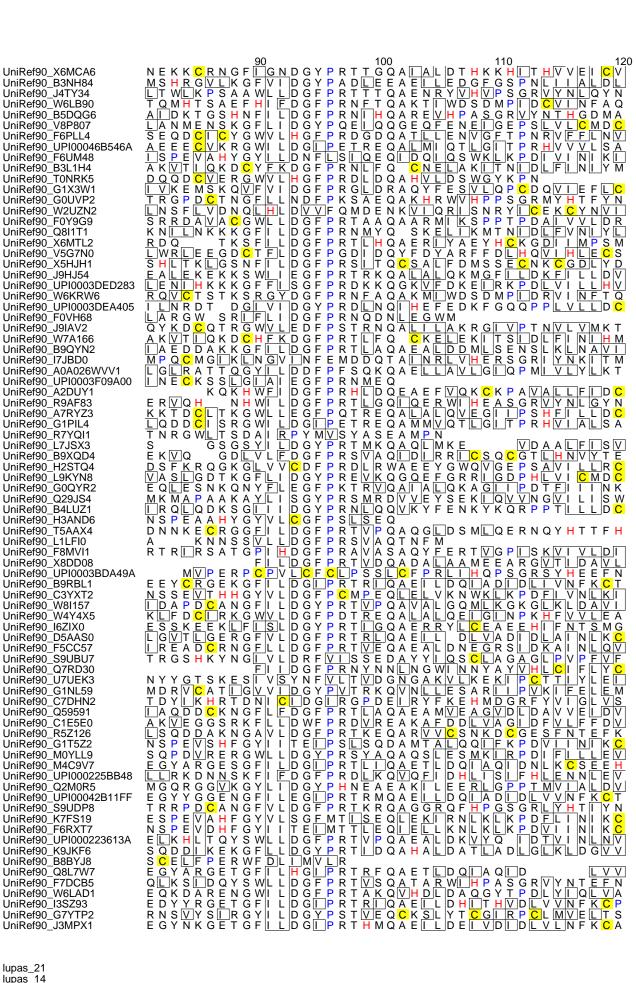


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sol0

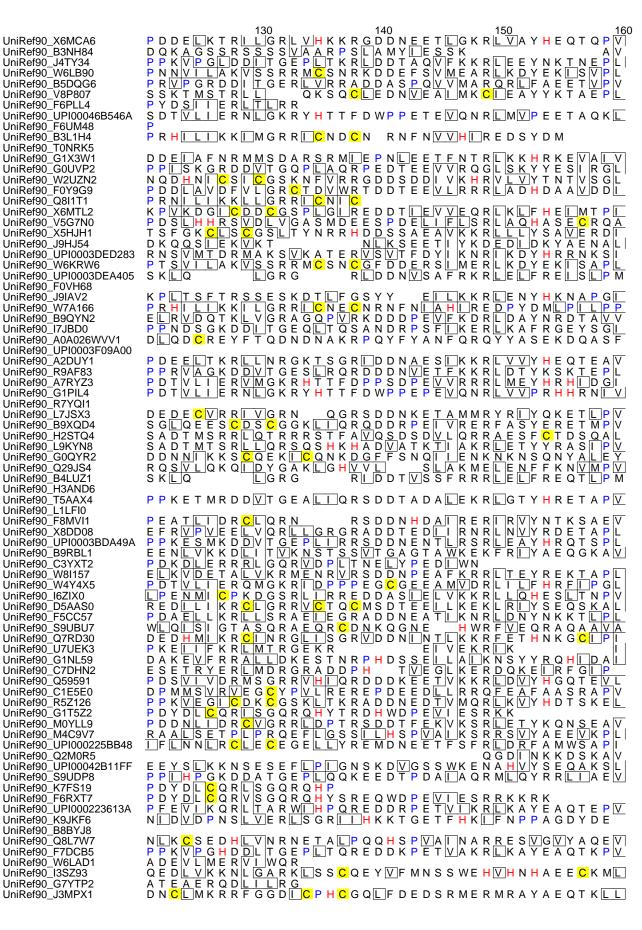


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sol0



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sol0

| | 170 180 190 | |
|---|---|------------|
| UniRef90_X6MCA6 | TKHYKSKNVVISVNGSCPSSKVWQQIFDVF | |
| UniRef90_B3NH84 UniRef90_J4TY34 | LERYPQATL KIDASQEPDTMFQEIQ KKYYERSGVLSTLSGETS DLIFPKLLNLITS | |
| UniRef90_W6LB90 UniRef90_B5DQG6 | LHFYQEKĞVL <mark>H</mark> NFEVLGĞAKQYLPRLLELIKSI IHHYSQKNLL <mark>H</mark> TI | |
| UniRef90_V8P807 | I A Y Y E N | |
| UniRef90_F6PLL4 UniRef90_UPI00046B546A | LEYHRNIKILKVISADQP <mark>C</mark> MDVFYQALTYVQT | |
| UniRef90_F6UM48 | <u>LETTIKNI KILIKUTSADQFUMDUFTQALITUQT</u> | |
| UniRef90_B3L1H4 UniRef90_T0NRK5 | | |
| UniRef90_G1X3W1 | THYYRQLGKVMSVDAEVPFSKVMKQMELKLKDL RLVYNDPRLWHTVDGFASLDSVHVSICRVLDPI | 1 |
| UniRef90_G0UVP2 UniRef90_W2UZN2 | RLVYNDPRLWHTVDGFASLDSVHVSICRVLDPL | |
| UniRef90_F0Y9G9 | LEYYSDR LVKIDASLSIDDVNKLIVDVV LAMFSESCAVLRVDNARSELETFDELCAFLDKV |] |
| UniRef90_Q8I1T1 UniRef90_X6MTL2 | | |
| UniRef90_V5G7N0 | L D F Y K E K G T L L E F E V K T G I D D T L R L I Q D I N N S L I H F L S A K G I V S T V N A D G T L E E V Y G R V K G V V D V D L F K S R G K V L S I D A D R S V D E V A T D L R T Q L | , L |
| UniRef90_X5HJH1 UniRef90 J9HJ54 | VDLFKSRGKVLSIDADRSVDEVATDLRTQL | |
| UniRef90_UPI0003DED283 | TEYQLQTGSIIQIDGNRPENVILEELVRTLK LRHYRK VLVIIDAEPELMVVVENACAVIDNF | _ |
| UniRef90_W6KRW6 UniRef90 UPI0003DEA405 | L H F Y Q E K G V L H N F E V L G G A S Q Y L P R L L E L I K T I L K A L D N E N R L T I I D G D T D V P S V Q Q E F A A A L Y Q L | |
| UniRef90_F0VH68 | |] |
| UniRef90_J9IAV2 UniRef90 W7A166 | LTFYQKLNNVLEIDVERSKLFLEDRLVDEIS QDCDKCKGN | |
| UniRef90_B9QYN2 | VPYYEKTGLLSVIDGMQAIDDVTASIESVLQGL |] |
| UniRef90_I7JBD0 UniRef90_A0A026WVV1 | LKGYSDIGILKTVDATKSPSQVEKSINSIIE PDWLKKSQNLVELDATKSKWYVWTHADRAVRS | |
| UniRef90_UPI0003F09A00 | | |
| UniRef90_A2DUY1 | I G K F K K E N K CLE V N G N R P I D Q V H E D V V R K L R T V L E Y Y N N N G R L E T L S G K T S D E I W P K L D K L L K Q |] |
| UniRef90_R9AF83 UniRef90_A7RYZ3 | L A C Y E N I Y K T V N A D Q P K A D V F S Q V L A Y I K T | |
| UniRef90_G1PIL4 UniRef90_R7YQI1 | RVLPSYPGVLKVISADQPCVDVFYQALTYVQT | |
| UniRef90_L7JSX3 | VEYERDRKVLSEIDGNRSVEAIYGDIRKALDGU VEFFKRRDLTWEQQAALPPEEVAERVWHRLE | R |
| UniRef90_B9XQD4 | VEFFKRRDLTWEQQAALPPEEVAERVWHRLE | |
| UniRef90_H2STQ4 UniRef90 L9KYN8 | I S H Y E S K S L C H T [D A E R S P D E V L T Q L C Q A V A Y Y E T K T Q L R K | |
| UniRef90_G0QYR2 | Q F I Q K Q K N N I | 1- |
| UniRef90_Q29JS4 UniRef90_B4LUZ1 | A D Y F D Q S D M L L A V N G E R A P T E V Y K D V L D I L S T L L K T M D S S N R L Q I V D G D T D S P S V Q R E F E R L I R N | J⊏ |
| UniRef90_H3AND6 | VAYYQKTGIWKGVDASQQAGQVWKNLLDILE | |
| UniRef90_T5AAX4 UniRef90_L1LFI0 | | |
| UniRef90_F8MVI1 UniRef90_X8DD08 | I S A Y A L R G K V L E Y Y Q N V L Q T I D A V G T V D E V F A R T S Q A L | |
| UniRef90_UPI0003BDA49A | V Q Y Y S A R G L H T A V D A A Q N P N V V F A S I V A A F S A | |
| UniRef90_B9RBL1 UniRef90_C3YXT2 | E D Y Y R K Q K K L I D F Q M A A A P G E T W Q | |
| UniRef90_W8I157 | S E H Y A G T G E L K T V D G M A D V D A V T A Q I E K I L | _ |
| UniRef90_W4Y4X5 UniRef90 I6ZIX0 | KIVIA Y E O Y T K SIL IN A D O P K A DIVIY S O IVI IVI IS SIL I | N |
| UniRef90_D5AAS0 | WEYFCSRGKTFVIDSSEKIEELYNSFKEKLS EDHYCKQRKLLNFEVPGDLKEAWPGLLSALD | |
| UniRef90_F5CC57 UniRef90_S9UBU7 | LID F Y A A R K KIL I | |
| UniRef90_Q7RD30 | DL VY K P A H CL Y T I D S E T G V E E V A N E I C R H I N A L N L F L S E N K C I F I N A N K T I E G V W N D M K Y V F E N M | , |
| UniRef90_U7UEK3 UniRef90_G1NL59 | SENYRDII ISDYIVI II IDGTKSII IENII ITEEII LIKII IYKKII I | IR. |
| UniRef90_C7DHN2 | RTYYKKEHNW <mark>O</mark> VIGAFQSKWWIWDKVLQEVQVI EALKIVFAVSNTTSIEELEKKIDSIINSI | K |
| UniRef90_Q59591 UniRef90_C1E5E0 | V G F Y S K L N Y F K G E G M <u>A H</u> H L R W S G T E D | |
| UniRef90_R5Z126 | LKYYKETGAL <mark>C</mark> TL | |
| UniRef90_G1T5Z2 UniRef90_M0YLL9 | TPTYSD LLNQIDGNRPVEVVFHEIESMLQKI | 1 |
| UniRef90_M4C9V7 | EDYYRKQRKLIFHIVIGGAATSAETWQGILLISALI |] |
| UniRef90_UPI000225BB48 UniRef90 Q2M0R5 | L A L Y K E R G L <u>L I </u> E | 1 |
| UniRef90_UPI00042B11FF | EDYYSKQKKLLNYQVAGAPGDSWQGLLAAL | |
| UniRef90_S9UDP8 UniRef90_K7FS19 | RGTFRA DQWVPVDASGNIEAVRNNVFAVLDAL | Q |
| UniRef90_F6RXT7 | | |
| UniRef90_UPI000223613A | LDYYQKKGVLETFSGTET NKIWPHVYAFLQT | |
| UniRef90_K9JKF6 UniRef90_B8BYJ8 | NDYYQRED | |
| UniRef90_Q8L7W7 | E E Y Y R K Q R K L L D F H G G A T S A D T W Q G L L A A L | |
| UniRef90_F7DCB5 UniRef90_W6LAD1 | LEYYQKKGVLQSFSGTET NMLWPHVYAFLQT | |
| UniRef90_I3SZ93 | E D Y Y R K Q K K L L N F E V A G A P G E T W Q G L L T A L | |
| UniRef90_G7YTP2 UniRef90_J3MPX1 | E E Y Y R K Q H K L M E L K T S A R P G E T W Q G L V A A L | |
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