QUERY	1 10 20 30 40 GLS D G E WH L V L N V W G K V E T D L A G H G Q E V L J R L F K S H P E T L
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UniRef90_P24291 UniRef90_P18978 UniRef90_H3ABR1 UniRef90_A1YZP4	L S A A D K A N V K A V WE K A G G N V G K Y G G E A L D R T F L S F P T T K L S P A D K T N V K G T WS K I G N H S A E Y G A E A L E R M F I N F P S T K L S A N D K T L I S S T WN K V A A N A E D I G A E A L E R L F L A H P Q T K S L S D K D K D A I K A F W A K I S P K A E D I G A D A L A R T L T V Y P Q T K L T Q A E K A A V V A I WE K V A T H A N A I G A E S L E R L F S G F P Q T K
UniRef90_K7FZX0 UniRef90_Q7ZT86 UniRef90_P18975 UniRef90_UP1000331684E	LTQAEKAAVVAI WEKVATHANAI GAESLERLFSGFPQTKLTAEEQSLIQKVWEKTASHRDEI GGESLYRLFTSYPSTKLSSADKNNVKACWGKIGSHAGEYGAEALERTFCSFPTTKFTAEEKAAVASLWGKV DVEVAGAEILGRLIVYPWTQ
UniRef90_C5HYH6 UniRef90_UPI00032B04A3 UniRef90_P15164	FTAEEKAAI EHTWKLV NVEDVGGEVLGRLLVYPWTQ
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UniRef90_P84653 UniRef90_P06467 UniRef90_Q98SE6 UniRef90_P14520	SLTAKSKS VKAFWAKVSGKSEDII GAAAVAR MIL VVYPQTK
UniRef90_L9L0J9 UniRef90_I1VYK2 UniRef90_C1FXX6 UniRef90_UPI000395677D	SLITKAERTIIVS MWGKIAS QADALGTERLERLE VYPQIK SLITKAERTIIVS MWGKIAS QADALGTEALERLE ASHPQTK TAFFKOIITGIWAKV NVAFGGAFALARIIIVYPWTO
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UniRef90_Q8UW95 UniRef90_UPI00045D5A6F UniRef90_B0M2T2 UniRef90_Q38IW1	S L S A N D K A I V K A L WA K I S P K A E D I G N E A L S R M L Y V P Q I K
UniRef90_P07407 UniRef90_UPI000350E148 UniRef90_H2TTY2	SILIS A D D K KIV VIK A F WG KIVIS T K A D AII G A D AIL IG RIL L L VIY P Q T K
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UniRef90_G3PGV5 UniRef90_UPI00042BEF40 UniRef90_P84203 UniRef90_W5LAT4	LTDKERLMIQDSWAKVYQSCDDVGVALLVRLFVNFPSSKSLTKAEKTIILSMWAKVSTQADAIGTQALERLFASYPQTKSLAPGDKTVVKKFWEKVGGQADEIGGEALSRMIAVYPPTRSLTAKDMATVKTLWGKISSKSDEIGAEALGRLLTVYPQTK
UniRef90_P86391 UniRef90_M3YX76 UniRef90_V5N6Q4 UniRef90_P10777	SLTAKDMATVKTLWGKISSKSDEI GAEAL GRELTVYPQTK TAEEKQLITCLWGKV DVATIGGESLAGMFVMYPWTQ ALSAADRAAVRALWRKLGSNVCIYTTEALERTFASFPATK LSGVERTIVQDTWARVYESCEDVGVAVLVRFFVNFPSAK SLSDKDKAAVKALWSKIGKSADAIGNDALSRMIVVYPQTK GLSDGEWQLVLNAWGKVEADLPGYGQAVLISLFTGHPETQ
UniRef90_S7Q7N2 UniRef90_P02016 UniRef90_P02142 UniRef90_UPI00035A227A	SILIS D K D K A A IV IK GIL IWA KILIS P K A D DILIGA E A ILIGA MILITIVI P Q T K
UniRef90_P83478 UniRef90_P18990 UniRef90_P56250 UniRef90_I3IZ43	S S S E R S T I S T L WG K I N V A E I G P Q A L A R V L I V Y P W T Q L T G E E K S A V T A L WG K V N V E E V G G E A L G R L L V V Y P W T Q S L S A T D K A R V K A L WD K I E G K S A E L G A E A L G R M L V S F P Q T K S L S S K D K T V V K T F WG K V D S K S A E L G G E A L G R M L V A Y P Q T K
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UniRef90_UPI0003333728 UniRef90_P82315 UniRef90_W5QCX0 UniRef90_W5MM40	LSSTDRALVQALWKKLGSNVGLYATEALERTFQAFPSTK SLTAKDKALVKAFFGKIAGKADAVGHEALVRMLVVYPQTK TVEEKDTVIAFWSWARVD EVGAETLGRELLVVYPWTQ SISDKDKOHVOSIWSKASGRIEDUGNEALSRILLVYPWTQ
UniRef90_P02136 UniRef90_P22743 UniRef90_H2U139 UniRef90_Q575S6	LTDAEKALVGKV DVPVIGAESLARWLIVYPWTQ SSSSERSTISTLWGKI NVAEIGPQALARVLIVYPWTQ SLSATDKARVKALWGKV NVEEVGGEALGRMLVVJYPWTQ SLSAKDKATVVKTFWGKVDSKSAELGAEALGRMLVAYPQTKK SLSSKDKTVVKTFWGKVDSKSAELGAEALGRMLTAYPQTKK SLSSKDKTVVKSFWDKVAPKAAELMGGEALGRMLTAYPQTKK SLSGKDKTVVKSFWDKVAPKAAELMGGEALGRMLTAYPQTKK SLSGKDKTVVKSFWDKVAPKAAELMGGEALGRMLTAYPQTKK SLSGKDKTVVKAFFGKVAGRAEDVGNEALSRTLVVYYPQTK SLSDAEKKVIQETWSRVYTNCEDVGVSILIRFFVQFPSAK LSDAEKKVIQETWSRVYTNCEDVGVSILIRFFVQFPSAK SLSTDRALVQALWKKLGSNVGIYATEALERTFQAFPSTK SLTAKDKALVKAFFGKIAGKADAVGHEALVRMLVVYYPWTQ SLSDKDKQHVQSIWSKASGRLEDLGNEALSRLLIVYPWTQ SLSDKDKQHVQSIWSKASGRLEDLGNEALLSRLLIVYPWTQ SLSDKDKQHVQSIWSKASGRLEDLGNEALLSRLLIVYPWTQ SLSDKDKQHVQSIWSKASGRLEDLGNEALLSRLLIVYPWTQ SLSDTEREMIRDAWGKV DVPEVGAATLLGKMVMMYPPWTQ SLSDTEREMIRDAWGKVSTQADAGVAILVREFVSFPSSK LSDTEREMIRDAWGKSTQADAGISLLIRFFVNFPSAK SLTAKAERTLISMWGKISTQADAGIGEALLERTFASFPSTK SLTAKAERTLISSMWGKISTQADAGIGEALLERTFASFPSTK SLTAKAERTLISSMWGKISTQADAGIGEALLERTFASFPSTK SLTAKAERTLISSMWGKISTQADAGIGEALLERTFASFPSTK SLTAAADKTNVKAAWSKVLGGNNSGVYGEALLERMFITYPQTK LSAADKTNVKAAWSKVLGGNSGAYMGEALLERMFITYPQTK LSAADKTNVKAAWSKVLGGNNSGAYMGEALLERMFITYPQTK LSAADKTNVKAAWSKVLGGNNSGAYMGEALLERMFITYPPTK
UniRef90_UPI0003F134CF UniRef90_J9P710 UniRef90_I3MW48	L S E A E R A L V R A L WN K M G D N V G V Y T T E A L E R T F A S F P S T K S L T K A E R T L I L S M W G K L S T Q A D A I G T E A L E R L F A S F P Q T K K P A I D V L W G K M N V D E V G G E A L G R L L V V Y P W T Q
UniRef90_P23740 UniRef90_P10062 UniRef90_F6YMH9 UniRef90_G3WER9	LTHEDCELLQQTWEKVLGHQEDFGAEALERMFITYPQTK LSAADKTNVKAAWSKVGGNSGAYMGEALYRTFLSFPPTK ALSAADKCNVREFWEKLGENTKVYGTEALGRIFLCFPETK
UniRef90_L5LSF0 UniRef90_P02083 UniRef90_P80945 UniRef90_P02137	L S A A D K T N V K A A WS K V G G N S G A Y M G E A L L R N I F I L S F P P T K A L S A A D K C N V R E F WE K L G E N T K V Y G T E A L G R T F L C F P E T K S L T R A E R N I I V S M W G K I A A Q A D A I G T E T L E R L F A S Y P Q T T L T A E E K A S V I S L F A K V N V E E V G G E A L G R M L R V F P Q T K S L S A K D M A V V K G F W N K I A P K A D E I G G E A L G R M L R V F P Q T K L S A D E K S A I N A V W S K V N I E N D G H D A L T R L L V V P P W T Q T T D A E R S A I N T S I W G K I D V G F I R L L V V P W A Q
UniRef90_I3IZ27 UniRef90_H2LCU1 UniRef90_Q8JH89 UniRef90_Q6DGK4	LSKKEKQLI REI WERLTPVAEDI GADAL LRMFASYPGTK
UniRef90_P01946 UniRef90_UPl00038EA702 UniRef90_B3EX30 UniRef90_P02133	S D S E R K T I A S V W S K I N V D E I G P Q T L A R V L V V Y P W T Q L S A D D K T N I K N C W G K L G G H G G E Y G E E A L Q R M F A A F P T T K S L S D E D K A Y L R F A W R K F E P T W G Q H S P D A V Y R M F L S F P S T K L S A Q E R A H I A R V W D L L A G H E A P L G A E L L L R L F T V Y P S T K T A E E K A A I T S V W Q K V N V E H D G H D A L G R L L I V Y P W T Q T D E E R A A I S D I F S K L D Y D D V G P K C L S R C L I V Y P W T Q S L S D K D K Q H V Q A I W A K A S A K V D T I G H E A L S R M L I V Y P Q T K
UniRef90_Q9YGF4 UniRef90_W5MM67	T D E E R A A I S D I F S K L D Y D D V G P K C L S R C L I V Y P W T Q S L S D K D K Q H V Q A I WA K A S A K V D T I G H E A L S R M L I V Y P Q T K

QUERY	50 60 70 80 EKFDKFKHLKSEDDMRRSEDLRKHGNTVLTALGGILKKKG TYFPHF DUHPGSAOURAHGAKVAAAVGFAVRNVD
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UniRef90_P14520 UniRef90_L9L0J9 UniRef90_I1VYK2 UniRef90_C1FXX6	TYFASW SDLSPGSAAVKKHGKTI MGGI AEAVGHI D QYFSQFKHMEEPLEMERSPQLRKHA <mark>C</mark> RVMGALNTVVENLH TYFPHF DLQHGSEQVRAHGKKVATALGNA <u>V</u> KNLD
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UniRef90_V5N6Q4 UniRef90_P10777 UniRef90_S7Q7N2	QYFSQFREMDDPEEMERSSQLRKHA <mark>C</mark> RVMNAIINTVVENLH TYFSHW PSVTPGHPDIKAHGKKVMGGLAIAVSKIN OKEEKUKNUKSEDEMKASEDIKKOGATVUTALIGGVIKKKG
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UniRef90_L5LSF0 UniRef90_P02083 UniRef90_P80945 UniRef90_P02137	TYFPHF DFSAGSAQIKGQGQKIADAVSLAVAHMD TYFPHF DLSGGSRQVQAHGKKVADALTLAVSHLD TYFPHF DLHPGSAHLRSHGSKVVSAVGDAVKNID RFFEHFGDLSSADALLGNPKVKGHGKKVLNSFSEGLKQLD AYFAHWKDTS PNSPEVKKHGALILATIGDVVNRIE RYFSSFGNLSNVAAISGNAKVRAHGKKVLSAVDESIHHLD
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QUERY	90 100 110 120 HHEAELKPLAQSHATKHKIPIKYLEFISEAIIHVLHSKHP
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UniRef90_P24291 UniRef90_P18978 UniRef90_H3ABR1 UniRef90_A1YZP4	NLPGALSKLSDLHAYKLRVDPVNFKLLSHCLLVILACHLG NLPDALSELSDLHAHKLRVDPVNFKLLSHCLLVILALHLP KLATVLSRLSDMHAYNFMVDPVNFKLLSQCILVALATQLM DLTNGLLTLSELHAFQLRVDPANFKILSHNLLVVLAIQFP
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UniRef90_P01934 UniRef90_UPl00044436D5 UniRef90_Q8UW95 UniRef90_UPl00045D5A6F	D M P N A L IS A L IS B L H A H K L R V B P V B F K L L N H C L L V T L A A B F P D L S G G L L E L S E L H A F Q L R V D P A N F K I L A Q C L Q V V I A I M F P D L F A G L L T L S E L H A F Q L R V D P A N F R I L S H C I L V V L A M L F P D L P G A L IS E L S N L H A R K L R V D P V N F Q L L C H C L L V T L A R H Y P
UniRef90_B0M2T2 UniRef90_Q38IW1 UniRef90_P07407	D L P G A L C R L S E L H A H S L R V D P V N F K F L A Q C V L V V V A I H H P N L D A A L S K L S D L H A Y N L R V D P G N F R L L S H A L E V T L A V H F P D L A G A L S K L S D L H A Q K L R V D P V N F K L L G Q C F L V V V A T G N P
UniRef90_UPI000350E148 UniRef90_H2TTY2 UniRef90_P80270 UniRef90_UPI0003958CC0	NLSQALSELS NLHAYNLRVDPVNFKFLGHCFLVVVAI HHP NLTVGLLNLSELHAFTLRVDPANFKLFAHCILVVMANMFP DLTAGLLELSEKHAFQLRVDPANFKLLSHCLLVVISIMFP SLISQAMSELSNLHAYNLRVDPVNFKFLAQCLQVVLATRLG
UniRef90_P08422 UniRef90_I3IZ07 UniRef90_G3PGV5 UniRef90_UPI00042BEF40	DLDAALSTLSDLHAYNLRVDPGNFKLLSHTIQVTLAVHFQ DLTGALLSLSELHAFTLRVDPANFKVLSHNLLVVLSIMFP KVASVLRLVGKSHALRHKVDPVYFKLLSGVLLEVVLGEFS
UniRef90_P84203 UniRef90_W5LAT4 UniRef90_P86391	NL VGGLSALSDILHATRLHIDPSNFKILSHNILVILAAHFPDLPGALSQLSELHAYKLRVDPANFKLLAHNIIVVVGMMFPNIKDTFAKLSELHCDKLHVDPENFKLLGKVLLIVLAGHYG
UniRef90_M3YX76 UniRef90_V5N6Q4 UniRef90_P10777 UniRef90_S7Q7N2	DLPGALSALSDILHALQLRVDPVNFKFLGHCLLVTLARHYPDPEKVLEVVGKAHAVKHKVEPMYFKILSGVILEVLSEDLGDLKAGLSNLSQQHAYKLRVDPANFKILNHCILVVISTMFPQHFAFIKPIAQSHATKHKVPVQYIFFISDSILKVIKSKIG
UniRef90_P02016 UniRef90_P02142 UniRef90_UP100035A227A	DLVGGLAALSELHAFKLRVDPANFKILAHNVIVVIGMLYPNILATYKSLSETHANKLFVDPDNFRVLADVLTIVIAAKFGNLKGTFSTLSELHCDKLHVDPENFRLLGNMILIALSHHLG
UniRef90_P83478 UniRef90_P18990 UniRef90_P56250 UniRef90_I3IZ43	DLKGTFAALSELHCDKLHVDPDNFRLLGDCLIVVLAIKFG DLKGTFAALSELHCDKLHVDPENFRLLGNVLVVVLAIKFG NLVGGLSQLSELHAFKLRVDPANFKILAHNIILVISMYFP DLTGHLSKLSELHATQLRVDPANFKILAHSIILVLGMYFP
UniRef90_M4A902 UniRef90_Q9YGF7 UniRef90_K7F490 UniRef90_Q6DEW1	D M P S A M S K L S E L H A F K L R V D P A N F R I L A H N I V L V L A L Y F P D L S A G L L T L S E L H A F M L R V D P A N F K L F N H N M L V T L A M M F P D V S S V L A L V G K A H A L K H K V E P V Y F K F F T G V M L E V L A E E Y A
UniRef90_UPI0003333728 UniRef90_P82315 UniRef90_W5QCX0	DLSGALSALHAHKLHVDPANFQLLSHCLVTLARHYPDLVGGMAQLSDLHAFKMRVDPSNFKILSHNILVTCAVHFPRLKRFFAALSELHCEKLHVNPENFKLLGNLLVITLARHFG
UniRef90_W5MM40 UniRef90_P02136 UniRef90_P22743 UniRef90_H2U139	DVKGTLHDLSELHSTKLHVDPDNFRVLGDUITIIVLAAQLG DVKGTLHDLSEEHANELHVDPENFRRLGEVLTVVLGAKLG NVKETFAKLSELHFDKLHVDPENFKLLGNVLI I VLGAGHHG DMASALKSVGRAHALRHKVDPKYFKI LSGVI LEVLGEAFT
UniRef90_Q575S6 UniRef90_UPl0003F134CF UniRef90_J9P710 UniRef90_I3MW48	DPEKVLAVVGRAHAVKHKVEPMYFKILSGVILEVLCEDFPDLPGALSVLSELHAYKLRVDPVNFQLLSHSLLVTLARHYPDVAGALSRLSELHAYKLRVDPVNFQLLSHCLLVTLASHFPDVAGALSRLSELHAYKLRVDPVNFQLLSHCLLVTLASHFPDVAGALSRLSELHAYKLRVDPVNFQLLSHCLLVTLASHFP
UniRef90_P23740 UniRef90_P10062 UniRef90_F6YMH9	NIT DT LHDI SELVHAKKI LVDPVNFKLL GHCLEVALAAHFA HMSTASGELSNLHAYNLRVDPVNFKLLSECFEVVLAVHLK DLATALSALSDLHAHNLKVDPVNFKLLCHNVLVTLAGHLG
UniRef90_G3WER9 UniRef90_L5LSF0 UniRef90_P02083 UniRef90_P80945	D
UniRef90_P02137 UniRef90_I3IZ27 UniRef90_H2LCU1	DL
UniRef90_Q8JH89 UniRef90_Q6DGK4 UniRef90_P01946 UniRef90_UPI00038EA702	DI K T T Y A A L S L M H S E K L H V D P D N F K L L B D C L S I V A M K L G D L P G A L S T L S D L H A H K L R V D P D N F K F L S H C L L V T L A C H H P D M P T A L S D L S D L H A Y K L R V D P V N F K L L N H S M L V T M A K N Y P
UniRef90_B3EX30 UniRef90_P02133 UniRef90_Q9YGF4	NLRAALSPLADLHAQVLRVDPANFPLLMQCFQVVLASHLQ SVKSSLQQLSKIHATELFVDPENFKRFGGVLVIVLGAKLG

	400 440 450
QUERY	130 140 150 A E F G A D A Q A A M K K A L E L F R N D L A A K Y K E L G F H G
UniRef90_UPI0001775CC5 UniRef90_UPI000333767C	A
UniRef90 UPI000328F10D	D D F T P A IV IH A S M D K F M A GIV IS T IV L V IS K Y R
UniRef90_UPI00005EB63C	A D F T A E A H A A WD K F L S L V S S V L T E K Y R
UniRef90_P24291 UniRef90_P18978	A D F T A E A H A A W D K F L S L V S S V L T E K Y R G D F T P A A H A S L D K F L S S V S T V L T S K Y R A D F T P S V H A S L D K F L A S V S T V L T S K Y R
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UniRef90_C5HYH6	A D F T P S V H A S L D K F L A S V S T V L T S K Y R A D F T P S V H A S L D K F L A S V S T V L T S K Y R A D F T P E Q C A W D K F L A L I S E I L F S K Y R N D F T P E V H V S M D K F L S A L A L A L A L S E K Y R N D F T P E V H A A E D K F L S A V A A V L S E K Y R K E Y T P A V H A A S L D K F F S A V A A V L S E K Y R K E F T P Q M Q A S W Q K L T S A V A S A L A H K Y A D F T P E A Q A A C Q K V V A G V A T A L A H K Y K E F T P E V Q L A W Q K L V A G V A T A L A H K Y K E F T P E V Q L A W Q K L T S A V A G V A T A L A H K Y
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UniRef90_P85081	HEFTPEAHVAMDKFFCGVSLALAEKYR
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UniRef90_Q98SE6	T D F T P E V H V S L D K F L A A V S L A L A E K Y R
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UniRef90_I1VYK2 UniRef90_C1FXX6	K D Y T A E IV H A A F D K F L S IV V C D K L A E K Y R A D F T A F A H A A W D K F M S II V IS S IV I T F K Y R
UniRef90_UPI000395677D	K E F T P E V Q L A W Q K L V A G V A L A L A H K Y K D Y T P E I H A A F D K F L S A V A A V L A E K Y R G E F T V E M Q A A W D K F L T G V A V V L T E K Y R N D F S P Q T Q A A F Q K V V T G V A N A L A H K Y H E F T P E A H V A M D K F F C G V S L A L A E K Y R K D F T P E A H V S L D K F L S G V S L A L A E R Y R A D F T P E V H V S L D K F L S G V S L A L A E R Y R A D F T P E V H V S L D K F L S G V S L A L A E K Y R R A D F T P E V H W S L D K F L S G V S L A L A E K Y R R D F T P E V H M A V D K F F Q N V A S A L S E K Y R N D F P P E T Q R A W A K L R G L I C S H V T A A Y K E V G W K D Y T A E V H A A F D K F L S V V C D K L A E K Y R A D F T A E A H A A W D K F M S I V S S V L T E K Y R K D F S P A C Q A A W Q K V V R V V A A A L S S R Y D E F T V E M Q A A W D K F L T G V A V V L T E K Y R S Z F T P A V H A S V D K F L A S V S T V L T S K Y R
UniRet90_P82316 UniRet90_UPI0001D37DC1	N A F I PELLQ N A WHK F L S V V A A A L S S R Y D E F T V E M Q A A W D K F II T G V A V V I T F K Y R
	SZFTPAVHASVDKFLASVSTVLTSKYR
UniRef90_UPI00044436D5 UniRef90_Q8UW95	S Z F T P A W H A S W D K F L A S V S T V L T S K Y R N D F T P E A H V A L D K F L S N V A L A L S E K Y R D D F T P E A H L A M D K F L A R L A L A L S D K Y R
UniRef90_UPI00045D5A6F	GDFSPAMQASEDKFLHHVTSALVSQYR GSLTPEVHASLDKFLCAVSSVLTSKYR
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UniRef90_P07407	A L L T P E V <mark>H</mark> A P L D K F L <mark>C</mark> A V G T V L T A K Y R
UniRef90_UPI000350E148 UniRef90_H2TTY2	AALT PEVHASLDKFMCAVGAVLTAKYR VDFTPEVHMAMDKFLAAVARGLSEKYR
UniRef90_P80270	K E F G P E V H V S V D K F F A N L A L A L S E R Y R
UniRef90_UPI0003958CC0 UniRef90 P08422	K D Y S P E V H S A V D K F M S A V A S V L A E K Y R K E F D A A T Q A A W D K F L S E V A T V L T S K Y R
UniRef90_P08422 UniRef90_I3IZ07 UniRef90_G3PGV5	Q D F T P E V H V A M D K F L A A V A L A L S E K Y R S L V T P E V G A A W T K F F A M V C R S I T A V Y E E A G W T
UniRef90_UPI00042BEF40	ADFTADAHTAWDKFLSLVSCVLTEKYR
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UniRef90_P86391	K D F T P A CH A A Y Q K L V N V V A H A L A R R Y
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OHIINGI30_OF 100033A227A	KLI II <mark>O</mark> AQAAI QKU VAOVAN SIIILISK
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UniRef90_M4A902	ADFTPEVHVSLDKFLQNLAMALSEKYR
UniRef90_K7F490	NDFTPEVORA WTKLKSLI YTHVTA TYKEA
UniRef90_Q6DEW1	KDFTPDVQLAWNKLRSHLYSHV LSAYKEAGWT GDFSPAMOASIDKFILSNVNSAI ASKV
UniRef90_P82315	DDFTPEVHVSFDKFLAALSSTAADKYR
UniRet90_W5QCX0 UniRet90_W5MM40	K
UniRef90_W5MM40 UniRef90_P02136 UniRef90_P22743	A E F P P E V Q A V W Q K F V A V V V S A L S R Q Y K E F T P E L Q S A Y Q K V V A G V A T A L A H K Y G D F T P E V H L S V D K F L A C L A L A L S E K Y R G D F T P E V H V S V D K F F N N L A W A L S E K Y R A D F T P E V H V S L D K F L Q N L A M A L S E K Y R D D F T P E V H V A T D K F L A Q L A L A L S E K Y R N D F T P E V Q R A W T K L K S L I Y T H V T A T Y K E A K D F T P D V Q L A W N K L R S H L Y S H V L S A Y K E A G W T G D F S P A M Q A S L D K F L S N V N S A L A S K Y D D F T P E V H V S F D K F L A A L S S T A A D K Y R K E F T P E L Q A A C Q K V V A V V V N A L T D R Y T G F T V E L N A A F Q K F L D V V I A A L R K Q Y K A F S P Q V Q H V W E K F I A V L V D A L S H S Y K E F T P S T H A S F Q K L V N V V A H A L A R R Y
UniRef90_P22743 UniRef90_H2U139	K
UniRef90_Q575S6	EFFTADVQLVWSKLMATVYWHVTGAYTDVGW
UniRef90_UPI0003F134CF UniRef90_J9P710	KAFSPQVQHVWEKFIAVLVDALSHSY KEFTPSTHASFQKLVNVVAHALARRY EIITAEVASAWTKLLANMCCAVAAVYEEAGWT EFFTADVQLVWSKLMATVYWHVTGAYTDVGW GDFSPTMHVSLDKFLSLVSCVLTEKYR ADLTADAHAAWDKFLSLVSCVLTEKYR KDFTPEAQAAFQKVVAGVANALSHKY TDFTPEVHLAIDKFLYEVEKALFETYR DQYTPDVHRAYDKFLSAVGDMLAEKYR KDFTPEIHASLDKFLSAVGDMLAEKYR GNLNPEVHASLDKFLSVL GEFTPELQANFQKVVTGVANALSHRY NDFTPEUHASLDKFLSVL GEFTPELQANFQKVVTGVANALSHRY NDFTPEUHASLDKFLSVL GEFTPELQANFQKVVTGVANALSHRY NDFTPEVHLSVDKFFSAGLVAALSHRY NDFTPEVHLSVDKFFSAGLVAALSHRY NDFTPEVHLSVDKFFSAGLVAALSHRY RAFTPQVQAAWEKFSAGLVAALSHRY EGFTPELAHAAIDKFLSVL
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UniRef90_P02137	A A F T P Q V Q A A WE K F S A GL V A A L S H G Y
UniRef90_I3IZ27	PSFTADAQEAWQKF L A VVV SA L GRQY FGFTPFAHAAIIDKF SAFSAVI AFKVP
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UniRef90_Q6DGK4 UniRef90_P01946	PAFNPA V QSTWQK LL S VVV AA L TSRY GDFTPAMHAS DKF AS V STVITSKYR
UniRef90_UPI00038EA702	A D F T A D A H A A WD K F L S V L G E F T P E L Q A N F Q K V V T G V A N A L A H R Y N D F T P E V H L S V D K F F Q N F T L A L S E R Y R A A F T P Q V Q A A WE K F S A G L V A A L S H G Y P S F T A D A Q E A WQ K F L A V V V S A L G R Q Y E G F T P E A H A A I D K F L S A F S A V L A E K Y R P S F T P D V H E A WQ K F L S V V V S A L C R Q Y P A F N P A V Q S T WQ K L S V V V S A L T S R Y G D F T P A M H A S L D K F L A S V S T V L T S K Y R E D F T P Q F H A T M D K F L T A V G S V L T S K Y R D E F T V E M H A A WD K F L T A L A V V L T E K Y R T A F T P E Y Q A S F Q K F L S V V V S A L G R Q Y A D F T P E I H V S F D K F L A A L S L A L A E K Y R
UniRef90_B3EX30 UniRef90_P02133	D E F T IV IE M H A A W D K F IL IT A IL IA IV V L IT E K Y R T A F T P K IV Q A A W E K F II IA IV I V ID G II IS O G Y
UniRef90_Q9YGF4	TAFTPEYQASFQKFLSVVVSALGRQY
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UniRef90_G8DP14 UniRef90_C3KJ57	1 10 20 30 40 T D S E R S A I I S L W G K I D V G E I G P Q A L T R L L I V Y P W T Q S D N E R A L I N S I F S G L D Y E E V G P S A L G R C L V V Y P W T K	
UniRef90_G5E0T9 UniRef90_G3RZQ0 UniRef90_P07428 UniRef90_V5N4H6	S D N E R A I I N S I F S G L D Y E E V G P S A L G R C L V V Y P W T K F S A A E K T A I L S L W S K A S G N V N A L G A E A L E R L F L S Y P Q T K L T P E E K T A V N A L W S K V N V D A V G G E A L G R L L V V Y P W T Q L T A D D K K H I K T N T W A K V Y E N K E A A G V A V L I R L F T S F P S T K L S A E E K A A V T A L W G K V N V D E V G G E T L G R L L V V Y P W T Q	
UniRef90_U5KNU7 UniRef90_Q8AYQ6 UniRef90_P83273 UniRef90_Q7LZM6 UniRef90_P41331	T D F E R A T I Q D I F S K II D Y D I V G P D A L S R C L I V Y P W I Q T D F E R A T I Q D I F S K M D Y E V G P A A L S R C L I V Y P W I Q N A F D C K I H A T W A K V A G A A D E V G Y K V I E P I E K V E P O T K	
UniRef90_P02132 UniRef90_P02139 UniRef90_P86919 UniRef90_H2ZWU1	L T E E D K A R V R V A W V P V S K N A E L Y G A E T L T R L F A A H P T T K G L T A H D R Q L I N S T W G K L C A K T I G Q E A L G R L L W T Y P W T Q T D A E R S A I I A L W G K L N P D E L G P E A L A R C L I V Y P W T Q A F N P H E K Q L I G D L W H K V D V A H C G G E A L S R M L I V Y P W K R A L S D A E V Q T A R D V W G Q I Y A N A E E N G T L L V R M F T E H P D T K	
UniRef90_Q6Y239 UniRef90_P08423 UniRef90_UPl00039460B9 UniRef90_C1BYA0	T D A E R S A I K T L W G K I N V A E I G P Q A L T R L M I V Y P W T Q T A E E K A T I A S V W G K V D I E Q D G H D A L S R L L V V Y P W T Q S L S G K D K A V V K N F W G K V A P K A A E I G G E A L G R L Y F A D P Q T K L S K E E K E L I A Q I W E K M I P I A S E I G S E S L H R M M T T F P G T K T E T E R A T I E T V Y Q K L H L D E V G R E A L T R L F I V Y P W T T L T A K E R Q L I T G T W S K I C A K T L G K Q A L G S M L Y T Y P W T Q	
UniRef90_H3A6U9 UniRef90_P07429 UniRef90_UPl0003ABC90C UniRef90_Q5QRU6	TETERATIETVYQKI HLDEVGREALTRIFIVYPWTT LTAKERQLITGTWSKICAK TLGKQALGSMLYTYPWTQ ARLLVVYPWTQ SFSEAEVQSARGAWEKMYVDAEDNGTAVLVRMFTEHPDTK	
UniRef90_P45720 UniRef90_P10783 UniRef90_UP100026555D1 UniRef90_P02010	T D K E R S I I S D I F S H M D Y D D I G P K A L S R C L V V Y P W T Q L S A D D K H N V K A L WE H V K G H E E A L G A E A L C R M F T S L P T T R A P A L G E V G V S L C V R F F V N F P S A K L S E D D K N R V R T S V G K N P E L P G E Y G S E T L T R M F A A H P T T K L T A E D K A N V K S A W D H I K G H E E A F G A E A L C R M F D S E P V T K	
UniRef90_Q6F3D3 UniRef90_C1BY22 UniRef90_U3F869 UniRef90_H3B2L7	LTAERNAI VIELWGKI GVD EI GHQAFAR <mark>C</mark> LI VIFPWIQ LTAEDRRLLQASTAKLGCRLEDLGADGLNRLLVVFPQSK ALITEADKQNI RGII WKTVFENAEENGRTI VIRLFEKYPETK	
UniRef90_P80946 UniRef90_UPI000328AF02 UniRef90_S9YCX3 UniRef90_H3ARB7	LA A E D R A A V R A L W R K L G S N V H V Y T T E A L E R T F L A L P S T K L S E P O K F L L O E S W R L H O D L T R L G L L M F L R L F E T H P E C K	
UniRef90_L8HVQ9 UniRef90_A0EZW4 UniRef90_G1PSU3 UniRef90_UPl0003C87102	A E R K A V Q A T WA R L Y A N C E D V G V A I L V R T L E E F Q E G A T D F E R A T I Q N L F S K M D Y E L V G P A A L S R C L V V Y P W T Q R L F A S Y P Q T K F T A E E R X A I A S L W S K V N V E V A R G E R L G R L L V V H P W T Q T P E E K Q M I T S L W A K V N V A E C G G E A L A R M M I V Y P W T Q	
UniRef90_K7FBN5 UniRef90_C8YNP6 UniRef90_W5MLZ3 UniRef90_G5DZM8	TPEEKQMI TSL WAKV NVAE CGGEAL ARMMI VYPWTQLSKQEKELIIEI WTRLTPLADRIGAEAL LRMFTSYPGTKTASEKALVSSL WKKAADFTEEWGEDAL LRL LTVFPQTKKVNIEQDGHDALTRL LVVFPWTQGLTTNHIRLIKESWRLIQEDLAKVGLIMFVRLFETHPECK	
UniRef90_Q5QSA9 UniRef90_UPI00042BE50A UniRef90_P02134 UniRef90_UPI0001CF1E2C UniRef90_UPI00039448BF	GGEKAAFGAELLLRLFTVYPSTK DLVSGFWGKV DAHKIGGEALARLLVVYPWTQ VSVFYRFFVNFPSAK	
UniRef90_F6TGD7 UniRef90_L5KH54 UniRef90_P02206 UniRef90_K4FYM0	FLPRMLTVYPQTK LSEQQQQLLVESWRLIQHDIAKVGVILFVRLFETHPECK LSASDTAAVRALWKKLGNNVGVYTTEALERTFLAFPSTK EWEHVNKVWAVVEPDIPAVGLAILLRLFKEHKETK LSKTDKALLSSSVGKIQAQAT GSDVLARMFASFPQTK	
UniRef90_P10784 UniRef90_S4R971 UniRef90_W5MYS7 UniRef90_C6L8I9	LISSQDKANVKA <u>IV</u> WEHVKGHEEVJYGAEALLHRAFV <mark>C</mark> DPQTQ ALISAAEKALI TDSWKVVYADYEAAGKALLIKFFTSNPGVQ LITAKDKFMIRDSWFRIJGKNKLTHGTIMFTRIJFFIJDPFI	
UniRef90_W4XLX6 UniRef90_W4XLX6 UniRef90_W4XLX6 UniRef90_W4XLX6	A D H D L V L K C W G A V E S D Y K K H G G E V L T R L F T E N P G T Q M T K K Q R E L V E S T W E M M A S A P D K H G A V M F A K L V S D N P K V G M T K K Q R E L V E S T W E M M A S A P D K H G A V M F A K L V S D N P K V G M T K K Q R E L V E S T W E M M A S A P D K H G A V M F A K L V S D N P K V G M T K K Q R E L V E S T W E M M A S A P D K H G A V M F A K L V S D N P K V G M T K K Q R E L V E S T W E M M A S A P D K H G A V M F A K L V S D N P K V G M T K K Q R E L V E S T W E M M A S A P D K H G A V M F A K L V S D N P K V G	
UniRef90_W4XLX6 UniRef90_Q6VN46 UniRef90_G1KTL1 UniRef90_M3ZD90	A L S S A Q Q L I R A S W Q K V S A N P L E H G M V L F S R L F D L N P D L L S L S D K D K S R V K A I I WA K A F G K A G F I G G F A I G R M I V A Y P Q T K	
UniRef90_P02015 UniRef90_E3TEM7 UniRef90_M3ZD94 UniRef90_K7FZS0	LIS G E D K A N V K A V W D H V K G H E D A F G H E A L G R M F T G L E Q T H D F D T V L T S W G S V E A N Y A A I G G E V L G R L F V E H P E T Q S L T A K D K D T V K A F W G K L S P K A G A L G A D A L G R M L V V Y P Q T K M F T T Y P S T K	
UniRef90_M7BE56 UniRef90_V5N509 UniRef90_UPl00021A6F7E UniRef90_Q9DGJ2	LTDADKKNIQHIWAKLFENPEENGKTIVIRLFTDYPETKLSALEKQILIDLWHKLIPVAEDIGSEALYRMFTTFPKTKGLTEKQKKLVQNTWAVIRKDEVASGLAVMTTFFKTYPEYQADFDAVLKCWGPVEADYTTIGGLVLTRLFKEHPDTQKVDKRAVGGEALARLLIVYPWTQ	
UniRef90_P02135 UniRef90_W5KX69 UniRef90_W4Y183 UniRef90_W4Y183 UniRef90_W4Y183	A D F D A V L K V W G A V E A D F T G Y G G E V L S R L F L E Y P E T Q S I T A E H K R M V Q K T W T K L S S N P A K H G A T M F S K L V T D Y P A V G S I T A E H K R M V Q K T W T K L S S N P A K H G A T M F S K L V T D Y P A V G S I T A E H K R M V Q K T W T K L S S N P A K H G A T M F S K L V T D Y P A V G S I T A E H K R M V Q K T W T K L S S N P A K H G A T M F S K L V T D Y P A V G S I T A E H K R M V Q K T W T K L S S N P A K H G A T M F S K L V T D Y P A V G T E E Q E A L V L K S W N S M K K N A A E L G L K V F L R V F E I A P S A K	
UniRef90_W4Yl83 UniRef90_A0A059AMU3 UniRef90_F6RIV9 UniRef90_B3VL86	SITAEHKRMVQKTWTKLSSNPAKHGATMFSKLVTDYPAVG TEEQEALVLKSWNSMKKNAAELGLKVFLRVFEIAPSAK LSGPEQELIRESWRSVNSNPLEHGMLFTRLFDLEPDLL LTPEEKSAVTALWGKVNVDEVGGEALGRLLVVYPWTQ AFSEEQEALVKKSWNAMKPNAPQLGFKFFLRVFELAPSAK	
UniRef90_B8LND3 UniRef90_V4A611 UniRef90_W4XUE2 UniRef90_V3Z7S3	AFSEEQEALVKKSWNAMKPNAPQLGFKFFLRVFELAPSAKGFTETQDTIRSTWPLLSRNMVRVGTDVFVRIFTEVPTVKGLTKQQKALIKKSWTYVLEDKLRIGVIIFIKLFKAFPASQSLTDRQKELVLESWQIVQGDLDKVGVDMFMRLFQTQPDVQ	
UniRef90_F2Q9X4 UniRef90_UPl0003D0F472 UniRef90_R7UKY8 UniRef90_B3F9U2	GLTANQLQLIRDTWQLVYKNKRENCFALFRMLFTDHPSTK HRTFLAFPSTK TDKDKLIJRRNWKHUACNUTERGARVEURUEVUNNESVIK	
UniRef90_UPI0001CBA21D UniRef90_Q8BYM1 UniRef90_UPI0001CBA21B	SLSSKQKATVKDFFSKMSTRSDDIGAEALSRLVAVYPQTK SLSAGEIKLVKDSWAPVYANKKESGIALFVRLFSENPGFQ SQDDQWLVLALWKKMGSNVGIYTTEALERTFVAFPSTK LTPKEVKAISESWKVVYAKKKENGVALFIRLFQSVPGSK	

UniRef90_G8DP14 UniRef90_C3KJ57	50 60 70 80 R H F S T F G D L S T T A A I L G S E K V A K H G K T V M G G L E R A V K S L D R H F T N F G N L S N A A A L O G N P K V A A H G L K V L H G L D M A L K N M D
UniRef90_G5E0T9 UniRef90_G3RZQ0 UniRef90_P07428	RHFTNFGNLSNAAAIQGNPKVAAHGIKVLHGLDMALKNMD TYFS RVMVSKDLQSHGGKVLAAIGEATKHLD RFFESFGDLSSPDAVMGNPKVKAHGKKVLGAFSDGLAHLD TYFP DFDFSEHSKHILAHGKKVSDALNEACNHLD QYFSEFRHMEDTQEMQSSAQLQKHAVLVMKALNALVESVD
UniRef90_V5N4H6 UniRef90_U5KNU7 UniRef90_Q8AYQ6	TYFP DFDFSEHSKHILAHGKKVSDALNEACNHLDQYFSEFRHMEDTQEMQSSAQLQKHAVLVMKALNALVESVDRFFETFGDLSSASAVMGHAEVKTHGKKVMNAFSDGLHHLDRYFGSFGNLYNAAAIASNPKVAAHGKVVLGGLEKALKNMD
UniRef90_P83273 UniRef90_Q7LZM6 UniRef90_P41331 UniRef90_P02132	VYFSH LDLSPGSSDVRHQGQKIIRALDNALKHLD TYFPHF DLSPGSNDLKVHGKKVIDALTEAVNNLD RYFSSFGNUNSADAVFHNEAVAAHGEKVVITSUGFALKHMD
UniRef90_P02139 UniRef90_P86919 UniRef90_H2ZWU1	RYFGSFGNLYNAAAI ASNPKVAAHGKVVLGGLEKALKNMD RYFGSFGNLYNAAAI MGNPNVAKHGTI I LHGLDRGVKNMD VYFSH DLSPGSSDVRHQGQKI I RALDNALKHLD TYFPHF DLSPGSNDLKVHGKVI DALTEAVNNLD RYFSSFGNLNSADAVFHNEAVAAHGEKVVTSI GEAI KHMD RYFSSFGNLNSADAVFHNEAVAAHGEKVVLSAVEGGLMRAI KDMD RYFENFGDLSNAQALIHNEKVQAHGKKVLASFGEAVKHLD SYFGNFKGMGSAAEMEQSAQVRTHGKKVLASFGEAVKHLD SYFGNFKGMGSAAEMEQSAQVRTHGKKVLSAVIGSALNDMI QHLD RYFSSFGNI STNAAI LGNEKVAEHGRKVVISAVIGSALNDMI QHLD
UniRef90_Q6Y239 UniRef90_P08423 UniRef90_UPI00039460B9	TYCSHW ADLSPDCAQVKMHGANIMXVG NMD
UniRef90_C1BYA0 UniRef90_H3A6U9 UniRef90_P07429 UniRef90_UPI0003ABC90C	TYFSH RYFKSFGDLSSSKAIASNPKVTEHGLKVMNKLTEAIHNLD RYFSSFGNLSSIEAIFHNAAVATHGEKVLTSIGEAIKHMD RYFSSFGDLSSPDAVMGNPKVKAHGKKVLGAFSDGLNHID
UniRef90_Q5QRU6 UniRef90_P45720 UniRef90_P10783	SYFTHFKGMDSAEEMKQSDQVRGHGKRVFTAINDMVQHLDRYFSGFGNLYNAEGIMSNANVAAHGIKVLHGLDRGMKNMDTYFPTKDIKEGSSFLHSHGKVVMGALSNAVAHID
UniRef90_UPI00026555D1 UniRef90_P02010 UniRef90_Q6F3D3 UniRef90_C1BY22	T Y F S H R Y F K S F G D L S S S K A I A S N P K V T E H G L K V M N K L T E A I H N L D R Y F S S F G N L S S L E A I F H N A A V A T H G E K V L T S I G E A I K H M D R F F E S F G D L S S P D A V M G N P K V K A H G K K V L G A F S D G L N H L D S Y F T H F K G M D S A E E M K Q S D Q V R G H G K R V F T A I N D M V Q H L D R Y F S G F G N L Y N A E G I M S N A N V A A H G I K V L H G L D R G M K N M D T Y F P T K D I K E G S S F L H S H G K K V M G A L S N A V A H I D Q Y F S Q F K H M E D P L E M E R S P Q L R K H A C R V M G A L N T V V E N L H T Y F P H F D L S S G S P N L K A H G K K V I D A L D N A V E G L D T Y F G G K D I S E E S S Y L H S H G K K V M C A L T N A V A H I D R Y F S S F G N L S T P A A I M G N P N V A K H G R T V I H G L D K A I Q N L D
UniRef90_U3F869 UniRef90_H3B2L7 UniRef90_P80946	TYFSH
UniRef90_UPI000328AF02 UniRef90_S9YCX3 UniRef90_H3ARB7	TYFG RYFSSFGNLSTPAALMGNPNVAKHGRTVLHGLDKAILQNLD TYFSH LNLNPGSKDI IHQGEKVGKALDSALKHLD VYFKNFKNISTMEEMQKNEQIRIHGLRVMNSLNQVIQNLD RHFANFGNLSTAAAIMNNDKVAKHGTTVMGGLDRALQNMD TYFSHM DLSHGSAQVWDHSKKVAVALTVAAGHLD DVFFLFRDIDDFHQLKMSKELQAHGLKVMSFIEKSVARLD QGRDSSLGSSQAQKQPGCPQLRKHACRVMGALNTVVENLH RYFGNFGNLYNAEAITSNENVINHGKVVLAAVGDAVKHDD
UniRef90_L8HVQ9 UniRef90_A0EZW4 UniRef90_G1PSU3 UniRef90_UPI0003C87102	RYFGNFGNLYNAEALTSNENVINHGKVVLHGLDRAVKNMD TYFPHF DLHPGSAHLRSHGSKVVAAVGDAVKHID RFFDNFGNLYSESAIIGNPKVQAHGEKVLTSFGNAVKHME RFFSTFGNLSNPQALQHNPKVLEHGKKVLTSFGNAVKDLD
UniRef90_K7FBN5 UniRef90_C8YNP6 UniRef90_W5MLZ3	TYETNV DI ITPRSAHLLISHGQKVMTAI A OA A A DI ID
UniRef90_G5DZM8 UniRef90_Q5QSA9 UniRef90_UPl00042BE50A UniRef90_P02134	RYFSSFGNLSNVTAISGNAKVQGHGKKVLSAIGDTISHID DVFFLFRDVEDLERLRTSRELRAHGLRVMSFIEKSVARLD LGVCPDEAQLLTHGQRVLEAVGVAVQHID RYFTTFGNLGSADAICHNAKVLAHGEKVLAAIGEGLKHPE
UniRef90_UPI0001CF1E2C UniRef90_UPI00039448BF UniRef90_F6TGD7	TYFSHWK DLSPGSAPVKKHGARRVMNAINTVVENLH TYFSHWK DLSPGSAPVKKHGARVMAAVTDAVSKID DVFFIFRDVDDIOQAL RANKDI RAHGIRV ISFVFKSVIARI A
UniRef90_L5KH54 UniRef90_P02206 UniRef90_K4FYM0 UniRef90_P10784	TYFLH LDLSPGSTQVKAHGQKVADALTLAVDHLD DLFPKFKELPVQQLG NNEDLRKHGVTVLRALGNILKQKG VYFVGFSDYT AKGPRVQKHGLTVMTKILEGIQYLD TYF AGKDLKENSAYLHGHGKKVMSALTNAVAHID
UniRef90_S4R971 UniRef90_W5MYS7 UniRef90_C6L8I9	D F P K F K GLDS A D QLS K S A A V R WH A E R I T N A V N D A V V A L D GLEHYNT PYSS POFOLSS PF F V D H L N K V M L V V D A A V T H L D
UniRef90_W4XLX6 UniRef90_W4XLX6 UniRef90_W4XLX6 UniRef90_W4XLX6	D L F P K F A G T A K G D L A G N A D V A A H G A T V L N K L G D L L K A K G R L F P F G K K K Y P Y K K L L N E N E V I S H G E R F M T T L G Q V V G G L D R L F P F G K K K Y P Y K K L L N E N E V I S H G E R F M T T L G Q V V G G L D R L F P F G K K K Y P Y K K L L N E N E V I S H G E R F M T T L G Q V V G G L D R L F P F G K K K Y P Y K K L L N E N E V I S H G E R F M T T L G Q V V G G L D
UniRef90_W4XLX6 UniRef90_Q6VN46 UniRef90_G1KTL1	RLFPFGKKKYPYKKLLNENEVISHGERFMTTLGQVVGGLD RLFPFGKKKYPYKKLLNENEVISHGERFMTTLGQVVGGLD RLFPFGKKKYPYKKLLNENEVISHGERFMTTLGQVVGGLD RLFPFGKKKYPYKKLLNENEVISHGERFMTTLGQVVGGLD KLFPKFSGISQGDL AGSPAVAAHGATVLKKLGELLKAKG PLFQYNCKFSTPQECLSSPEFLEHIRKVMSVIDAAVTTHME TYFSHW GDLSPQSPKVKKHGATIMGALGKAVKGID TYFP DKDLNEGSFALHSHGKKVMGALSNAVAHID KHFPKFDGISAADA AGNPAVKAHGETVLKKLGDLVKAKG
UniRef90_M3ZD90 UniRef90_P02015 UniRef90_E3TEM7	TYFSHW GDLSPQSPKVKKHGATI MGALGKAVKGID TYFP DKDLNEGSFALHSHGKKVMGALSNAVAHID KHFPKFDGISAADA AGNPAVKAHGETVLKKLGDLVKAKG
UniRef90_M3ZD94 UniRef90_K7FZS0 UniRef90_M7BE56 UniRef90_V5N509	TYFSHWKDMS PGSGPVKKHGATVMAGVADAVAKID TYFPHF DLHHDSEQVRHHGKKVVTALGNAVHHMD AYF KTIPTEGNLQEDPLVRFHGRRVMVALNQVAENLD TYFGH LDLSHGSGHLRSLGKKIVVAI AEGTTHIS
UniRef90_UPI00021A6F7E UniRef90_Q9DGJ2 UniRef90_P02135	RYFSAFADIVIPF DELIPANKRFQAH <mark>C</mark> VSVI TALINSVI DSLIH
UniRef90_W5KX69 UniRef90_W4YI83 UniRef90_W4YI83 UniRef90_W4YI83	TILLPEGNEGLISYDOLL VIDERIVRA HGTKVMQTVGSAVDRLIN
UniRef90_W4YI83 UniRef90_A0A059AMU3 UniRef90_F6RIV9	TIL LPFGNEGLSYDQLLVDPRVRAHGTKVMQTVGSAVDRLN
UniRef90_B3VL86 UniRef90_B8LND3 UniRef90_V4A611 UniRef90_W4XUE2	PLFQYNCQFSSPRDCLASPEFLDHIRKVMLVIDAAVIHLD RFFESFGDLSTPDAVMGNPKVKAHGKKVLGAFSDGLAHLD RLFSFLQDSDVP I EKNPKLKAHGLIVFKMTCESAVQLR ELFSSFNLVDVNDLHKM PTFRAHAEMFMQVLHLVVDNLE QLFEKLKDYTDFEELARNKKMKAHATRVMAALTSLVENID DVFVPFKG KSADDLKDSKQLKSHATRVMGTVEKSLANIE
UniRef90_V4XUE2 UniRef90_V3Z7S3 UniRef90_F2Q9X4 UniRef90_UPI0003D0F472	SILIERII IMIDIDII IDIVIPIGEEEK NIVIA ARAHMIVIREMHSEA LEMIDILI ID
UniRef90_R7UKY8 UniRef90_B3F9U2 UniRef90_UPI0001CBA21D	TYFPH LDLKPGSSQVKAHAQKVADALTLAAHHLDDLFPFKKLQG EELTRDVNFRGHASRFMQAVGAVVDNIDSYFSHWKDAS PGSAPVRKHGITIMGGVYDAVGKIDSQFRYLDGVSGLAAIEKTPALADHGVKVMDTVNSWVGSLGTYFPH LDLRPGSSQVKAHAQKVADALTLATQHLD
UniRef90_Q8BYM1 UniRef90_UPI0001CBA21B	T Y F P H SLF K NLD GI D D E E KLR N H P R L K A H G F R V M S S V N SL I E S L E

UniRef90_C3KJ57 N K A T \ UniRef90_G5E0T9 N F E A K	90 110 120 S A L S T M H S E K L H V D P D N F R L L A E C I S V C V A A K F G A D L S V L H S E K L H V D P D N F R V L S D C L T I V V A A R M G S K L S D L H A Y N L R V D P G N F K L L S H S I Q V V L A S H F Q S Q L S E L H C D K L H V D P E N F R L L G N V L V C V L A R N F G
UniRef90_G3RZQ0 N L K G T F UniRef90_P07428 N L A G C UniRef90_V5N4H6 D G E K T \ UniRef90_U5KNU7 Y L M G T F UniRef90_Q8AYQ6 D I K Q A \ UniRef90_Q8AYQ6 N I K E T \ UniRef90_C3ZM6 N	S K L S D L H A Y D L R V D P G N F P L L A H Q I L V V V A I H F P L E K V A K S H A R K H K V E P V N F K I L A G V I L E V L V E V F P A K L S E L H C D K L H V D P E N F K L L G N V L V V V L S H H F G A D L S V L H S E K L Q V D P D N F K L L A D C L T I V V A S Q L G A E L S V L H S E K L H V D P D N F K L I S D C L T V V V A A Q F G
UniRef90_Q7LZM6	A D L S D L H A Y N L R V D P V N F N L L G K C F L V E L A T H L Q S K L S D L H A Q K L R V D P D N F Q F L G L C L E V T I A A H S G A Q L S K Y H S E T L H V D P L N F K R F G G C L S I A L A R H F H A P L S V M H S E K L H V D P D N F R L L A D C I T V C A A M K F G A N L S K L H C E K F H V D P E N F K L L G D I I I I V L A A H Y P N P L G K K H A T Q L K V D P K N F K I I C N I L L Q V L D E K F G
UniRef90_Q6Y239	T L L S Q K H S E T I H V D P D N F R L L A E C F S I C V G I K L G K G L S K S H A E D L H V D P E N F K R L A D V L V I V L A A K L G A N L S X L H P F K L R V D P A N F R I L A H N I I L C M A M F F P A P L Q T L H A Y K L K I D P Y N L K Y L S H C L I V T L A A H M G H K L S E K H F H E L H V D P Q N F K L L S K C L I I V L A T K L G
UniRef90_P0/429	A QLISK Y H SEILH V D P Y N F K R F C S C II I I S M A Q I L Q A QL S E L H C D K L H V D P E N F K L L G N V L V C V L A H H F G N P L G Q K H A T QL K I D P K N F R I I C D L I L Q L M E E K F G T D L S T L H S E K L H V D P D N F K L L S D C I T I V L A A K M G S K I S D K H A F F I M V D P A N F P K L A H N I I V V I G I H I K
UniRef90_C1BY22	S
UniRef90_S9YCX3	R QL SVMHSEKLHVDPDNFKLLAEHI II C MAAKFG S AL S DL HAHKLRVDPVNFKFL GHCLLVTLACHLP S AL RVLHSHKLRVDPVNFKLL GHCLLVTLAQHYP F EL G R S H C R Y N A P P K Y Y E Y V G V Q F I S V V K P I L K S L V G K A H A L K H K V E P V Y F K I L S G V I L E V I A E E F A
UniRef90_G1PSU3	A E L S L L H S E K L H V D P D N F R L L A D C L T I V V A S R M G S K L S E L H A Y I L R V D P V N F K L L S H C L L V T V A S H F P A K L I E L P C D K L H V D P E N F K L L G N V L V V V L A R H F G A H L S E L H C E K L H V D P E N F K L L G N V L V I V L A A H I R A P L Q T Y H A Y Q L R I Q P N N F K L E S H C M I V T L A C F M G S S L S D L H A Y I L R V D P V N F K L L A H C I L V V L A N R L P A P L S K K H A Q E L H V D P E N F K R F A D V L V I V L A A K L G
UniRef90_UPI0001CF1E2C DPEKVS	T E L
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UniRef90_O97381 UniRef90_O97381 UniRef90_S4XMC7 UniRef90_V7AEC3 UniRef90_V4A8E7 UniRef90_M0SSS5 UniRef90_P09106 UniRef90_V5QR23 UniRef90_A7RJ19 UniRef90_E6PMQ5 UniRef90_B0BL37 UniRef90_O97382	NL FVE F R N P A S E L A N S E R L L Y H G G R V L A S I D E V I S E I D P L F K N D M A E Q K K K L M Q T L A V A V D G L S N L N Q L F S F L K D S N V P L E E N P K I K P H A K A V F V M T C D S A S Q L R D Y F H K F K G K D L K Q V E K S A Q M R S H G T T V M H A L N A L V E N L D Q L F S F L R D A D V S L D K N P K L K A H A M A V F T M A C E S A A Q L R T Y F S H L D L S P G S A Q V R A H G Q K V A D A L S L A V E R L D K M F S F V R D S D V P L E Q N Q K L K G H A M S V F V M T C K S A A Q L R E V F S F H T E N E G Q L E Q D E R F L F Q S R K F M E M I N S A V D R L N P M F K G S V O V K L K G H A M S V F V M T A L N T M V E N L O V E P D C E P D L O D P E E L K O S V O V K B R R V M T A L N T M V E N L
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UniRef90_H3A474 UniRef90_V4BDN7 UniRef90_V4ABF4 UniRef90_Q9FUD6 UniRef90_UPI0003C2629C	DVFFLFRDVDDLQRLRTSKELRAHGLRVMSFVEKSVARLE DVFMPFKGKSKEDL KQSTQLRSHALRVMGTVEKCLARIN NIFLPFRGL TVDELQHSARLREHGLRVMLTVEKCIARLD SMYSFLRDSTIP FEENPKVKNHARYVFMMTGDAAVQLG RYFEHFGKMCNAHDLLHNSKVQEHGKKVLASFGEAVKHLD

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UniRef90_Q071M5 UniRef90_Q3S3T0 UniRef90_A7S5B8 UniRef90_UPl0003C4848F	DILKAGLSDLSEQHAFKLRVDPANFKILNSREATLKRLGATHARAGVADAHFEVVKSDLQELGRAHKTRQLPTVSNLQEISGLSPDQVVKKLGERHITRGTVRRHFEAFSSPDQVVKKLGERHITRGTVRRHFEAFSSPDQVVKKLGERHITRGTVRR	H	P G K
UniRef90_Q9NG75 UniRef90_Q9NG75 UniRef90_Q9NG75 UniRef90_H2U9M3 UniRef90_Q90WH9	SPDQVVKKLGERHITRGTVRR HFEAFS' SPDQVVKKLGERHITRGTVRR HFEAFS' SPDQVVKKLGERHITRGTVRR HFEAFS' QLEALAVELGKGH YHYNAPPKYYQYVGA	Y A F I D E L K K M Y A F I D E L K K M Y A F I D E L K K M A E F V C A V Q P I L F V I G K V M G F K T	G G K G
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UniRef90_UPI00035976AF UniRef90_F2Q9X0 UniRef90_K7INA7 UniRef90_G3SRG5		NVLMKGLTAVL EVIAEVLRQKL ESLLYMLEKCL	G G
UniRef90_UPI00034421F4 UniRef90_K1R7G1 UniRef90_E2AZW6 UniRef90_P68168 UniRef90_O97381	NIGGALAKLSELHAYILRVDPVNF KMEEMLHDLGTRHVM YSAKVDYVDLIGI DMQATLINLIEKHKNRGQTQ EQFENLRI KAGKALKRIGAIH FKTGVVNEHFEVTRI SPDSALVALGERHITRGTVRR HFEAFS	PQFIWAMQPAL QLLAKLFPSLF FALLETIKEAV YAFIDELKQRG	P
UniRef90_097381 UniRef90_097381 UniRef90_S4XMC7 UniRef90_V7AEC3	SPDSALVALGERHITRGTVRR HFEAFS SPDSALVALGERHITRGTVRR HFEAFS RLVPVLQALGVRHHG YMVVDRHYDLVG KAGKVLKKLGASH FKAGVIAEHFKVTKI	Y A F I D E L K Q R G Y A F I D E L K Q R G E A L L WT L R E G L L A L L E T I K E A V	V V G P
UniRef90_V4A8E7 UniRef90_M0SSS5 UniRef90_P09106 UniRef90_V5QR23 UniRef90_A7RJ19	DPECLVDLLQKNTHFKLGIRYQQYKELFIKRETTLKKLGATH MNSGVIDEHFEVVKIDLPRALSALSHLHACQLRVDPANFPAPGIKAGKVLKHMGSVH LKYGVVDEHFEVTRIDLVMILKSLGEVHWTKFKIKPEYYEPVGIDLDSIVQSMAKRHVD YGVRPEHYACVGSDLNTIFQQMGKSHALKHKVDPLYFKLLAC	D M F P G Y L K D R I F A L L E T I K D A V P P K A L I E T I K E A V K A L I Y S I S K G L	P P
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UniRef90_O97382 UniRef90_H3AFT2 UniRef90_P02022 UniRef90_A0A044U5A6 UniRef90_I1H7V3	DIL NTILE QQMGKSHALIKHKVIDPLYFKILACTPDRTL LALGERHISRGTVRR HFEAFSYTPDRTL LALGERHISRGTVRR HFEAFSYNHAGDLHPLAQTHATKHKIPLHNFEIISRN LQKYQDLHTNKLKLSSDHMKLLSNKFFELINENGRSHAHKKHFKPEMFWAMERKRETTLKRLGGTHV KYGVADGHFEVTRALIPAVQNLGKGHAG YGVEDKHYDTVGNNVQVYLYELGTRHQTRQ LSEEQLKFMGONVQVYLYELGTRHQTRQ LSEEQLKFMGONSLPELLATLARTH DILNKVGADHYNLFA	Y A F D E L K Q R G E	P G G
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UniRef90_K1Q9R1 UniRef90_F6XB67 UniRef90_U3J239 UniRef90_D0FZZ1	D H A A K A T T H A T K H K A N N F M T	EPFLUAVKETL HAIEVTLAVHF ESLLYMLEK <mark>C</mark> L EII <mark>C</mark> NVMGEEA	G P G G
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UniRef90_C1C1M6 UniRef90_UPI0002A4954C UniRef90_R4V4K7 UniRef90_V4JDM3 UniRef90_UPI000359AC34	NI KNTYTKL XELHVDPDNFRYETTNALAIDL VEMLTKLGQNH HRHGISRQEFIDLKKLEAIVQPVKNMGARHYGVNPGDYDKVAANYDFLLSKTGASHVKFAGFKSTNFLALKIKAGKVLKKIGATHA KSGVQNEHFPVAKS	E C	90000
UniRef90_A6YH87 UniRef90_C3Y097 UniRef90_V5H2Z2 UniRef90_UPl0002657117	DVMKVLHDVGKMH QRYNVDPSVFLKVER DPEMLLSRIGESHAPRR LDEKSFQDLKI	ESVL ELF KPFIFAVKITI	S IG
UniRef90_P08054 UniRef90_K1RX51 UniRef90_H3A474 UniRef90_V4BDN7 UniRef90_V4ABF4	QKGHTLKRLGSIH LKNKITDPHFEVMKONYNYVIDHLHRTHQRFIDFSSENFGKIKIHLEQLALELGKSH YRYNAPPKYYQYVGIKMDEMLHQLGSRHVM YNAKVDYIDLIGIKLQDLLHDLGQKHVE FNTKVDYIDMVG	P	G
UniRef90_Q9FUD6 UniRef90_UPI0003C2629C	KÜQDÜLHÖLGQKHVE FNTKVDYIDMVGI ELDSKLQKLAATH INAGVITDDQFEIVKI NIKGHFANLSKLH <mark>C</mark> EKFHVDPENF	EĂĹŶĂĹĖMĞŮ	P

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E M W S P E M K N A W A E A F N H L V A A I K A E M Q R L

S L F N D E I G E A W Q A M Y D L M S G A M I S G T K

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E S A D L A A W R R G W D N I V N V L E A G

E S A D L A A W R R G W D N I V N V L E A G

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A D W S P E M K N A W G E A Y D Q L V A A I K Q E M K

D K F T A E V K T A W T E V Y G V L A T T M K D A A K E A G

K E W S R A T S K A W E K I F S F M A D A M M R G C K

S D F N E K T R D A W A K A F S V V Q A V L

D A F T P E V K E A W T E V Y T V L A T T M K D A

N K W K D E M K E A W S E A Y D Q L A S A I K A E M

D K F T V E T E L A W K H L Y D Y I S C K M S D G M

E D F T T P V R K A W E E A Y T F L S E I M K E A A A E L

D S W T E D V A D A W S W V Y G V I A K T M G D A A G Q E V

D D W N D E V K E A W T Y A Y T I L A T T M I E A M K D A

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

D D F D A T A Q A A W D K F L A A I S T A L T S Q Y R

A A F S P D M R E A W T K L Y G A V V K A M R R G

C R Y T E N V E N I Y K V T I K L I I E T L E K G Y

Y Q L D E E T R Q A W T V L Y Q V I A N L I

G K S N A T T K G A W D K F L H F

T H L S T E G A L A W K R F L G T F V E L M Q E G Y A Q L THUSTEGALAWKRFLGTFVELMQEGYAQLPQFTVGEQEAWLKFLXVVVSALNRQ
SKFTTEDEAAWKQ
DDFTPEVKAAWVEVYTLLADTMQAGAAE
DRYTENMQNIYTIAIIFILETLKQGMEEA
ELWSAELESAWGEAFDQLAAAIKA
DRYTKNMEELYTITIKFILATLSEG
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DRYTDNIENIYNTTIDFILETLVGGF
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DRYTDYMANVYTKTIDFILSALSHGY
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UniRef90_UPI0003C2629C

UniRef90_UPI00035CA314 UniRef90_U5DJ61 UniRef90_D8MIW2 UniRef90_UPI0001CB9E5C	1 10 20 30 40 MT E K Q K V M V Q A S F A K V E P II A D Q A A E I F Y G K L F E L D P S L Q Q V G L L E G S F A L V K P R A E A F A R S F Y N N L F A D Y P A A K G L T R H R T A I Y R T W D L V R P N P K L H G I N L F L T M F Q E E P V L Q L T A R Q K F S I Q K S W K A I Q R N M E G V G M D I F L R L F K A H P E Y Q
UniRef90_V4HJT2 UniRef90_Q9Y0D5 UniRef90_B4WU25 UniRef90_C1AE78 UniRef90_M7XQB8	T E G E R A AV R A S WAV L MK D Y E H A GVQI L D K F F K A N P A A K R Q V E L V Q R S F A K V E P I S E Q V G K L F Y E H L F E T R P D F K M T A D Q I A T I R S T W N L M G A T T D A V A P L F Y D R L F Q R D P L L R M T P E Q I K R V Q D S F A K V R P I A G T A A D L F Y G R L F E I A P Q V R
UniRef90_G9DBN1 UniRef90_G3UIL0 UniRef90_R1FSQ6 UniRef90_UPl0003776242 UniRef90_UPl0003776242	A E R K A V Q A T WA R L Y A N C E D V G V A I L V R F F V N F P S S K L R S S W S A V Q V L F F K R I F E II A P G A L A L T Q S Q II D I V K S T A A I L K D Q G D R I T R I F Y V N M L T A H P E L K
UniRef90_UPI0002FFFA2A UniRef90_UPI0003F59B4B UniRef90_F0SHM8 UniRef90_T5AGV5 UniRef90_K9Q0C7 UniRef90_Q7T1A4	MTEDQVKLVQESFSKVAPLSAQAAVTFYDRLFEVAPGVKLSAKTIEIVKALTPLVAANAETITRCFYQRMFTANPEVKALTVEQIALVKSTAPVIKEHGKALTTTFYRRLLGAHPELKQVELLESSFEQVKPKANEFASSFYENLFTDYPAAK
UniRef90_Q93Y92 UniRef90_UPI00047282F9 UniRef90_D5EQP6 UniRef90_W2T026 UniRef90_UPI00030E4F0A UniRef90_B9EAY0	GFTEKQEGLVKESWEVLKQDIPHSSLRFFSLILEIAPGAK IELVQSSFSKVAPIAETAAEIFYNKLFELDPALK MSPEELKLVQESWEKCVPLADKAAELFYGKLFELDPSLK LQDSQRQIIDTFTKMEQSPIKTGLKVFYTRMFFAHPFIL
UniRef90_Q8MM46 UniRef90_D9V9Q0 UniRef90_UPI000476306B UniRef90_D5UN67 UniRef90_UPI00045E9D13	LSSHERSLIRKTWDQAKKD GDVAPQVLFRFVKAHPEYQ VQLIRDTWAKSEPYAPEISQFFYGMLFTLAPATR LSPASLDVVRATASVVAANADAITARFYPRMFEAHPELL LTAAHRAVIRDTLSAVGGAIDTLTPNFYRRLFTAHPELE LTAAHRAVIRDTLSAVGGAIDTAAAVVFYGRLFFLAPQVK
UniRef90_F9SX37 UniRef90_B3DUZ1 UniRef90_F7A367 UniRef90_A0A058ZN65 UniRef90_W5JRH5 UniRef90_M7CUM7	SNRQKQLVQNSFSKVEPLAEQAAEIFYQTLFEFDPSLK MTREEIKMIQKSWLRVIDKMDEAGLLFYRRLFDVEPKVR GLTTEEIELLRSSWNEMKTIMKELGLLIFHRLFSDVPRIR MNDSEITLIQESFAKVVPIKDAAAEIFYADLFETAPEVK GLTKAQKVALTAAWSIVKKDLVTHGRNIFVMFFEEYP KLSPESRSIIDATLPAVEAHANDIATVFYPLMFERYPEVK
UniRef90_A5EFK6 UniRef90_S9QGF4 UniRef90_B6ZIV8 UniRef90_A9U5F4 UniRef90_UPI000361056E	LTQGEIKAIRAS WLLVAANRAELGERFYKNLFRAAPEVR GLTRREIHAVQKS WAPVNANSFATGSELLRRLFNTYPDTK SKESVALVKQS WELLKVDAQANAVAFFKEVFELAPAAK LTQAQEQIIAATAPVVAEHLNTITARFYPLMFERYPEVK
UniRef90_S3D2U5 UniRef90_Q07S70 UniRef90_H0TDW5 UniRef90_Q800M1 UniRef90_R7UHS6 UniRef90_I0JWG1	MT P A QL AL VQ Q S F T K V A P I A D V A A GL F Y G K L F D I A P E V R MT P A QL AL VQ D S F A K V A P I S D Q A A L I F Y D R L F E V A P Q V R A S V A K L G C R L E D I G A D A L N R L F I V F P Q S K L T P E E I V L V R V T W E Q L K T N L A N L G K K V F L R I F N L K P D I K
UniRef90_M1KNV4 UniRef90_M5DQW7 UniRef90_UPl00047C30DC UniRef90_UPl00037EC7DA UniRef90_B1ZVJ7 UniRef90_F5UFD7	MT Q E R I K L I Q K S W L Y V M D K A D E A G R L F Y K R L F E V E P N V R L D E R T I D I I K S T V P V L K T H G E N I T G R F Y N L M F Q D H P E L L L N T H Q I N I I K T T A P V V G A H A R E I T D Y F Y P L M F E R Y P E V I I E V E T S F E K I K P R A V E F V S S F Y Q N L F E T Y P E T Q M T E A E I L L V Q K S W T A I Q T R S D I I G V K F Y T K L F E V Q P L F K M T S R E I V L V Q E S F S K L A P I A D Q A A A L F F V R L F E L D P S L R V E I L E S S F E K V K P R A D E F A A S F Y E N L F I A H P E F K L T P A H E E T V K A T L P V V G A H G E I A H T F Y K G M F S A H P E L L
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UniRef90_P02239 UniRef90_I0GDU5 UniRef90_F8K470 UniRef90_R7TS60 UniRef90_I3CJ89 UniRef90_E9GQN2	LTDVQVALVKSSFEEFNANIPKNTHRFFTLVLEIAPGAK LTAEELVRVRTSFDMVFANANDTMTAFYDRIFELAPEIR LSESSAATVRATLPAVGAAIGEITTVFYDRLFEAHPELL LTDEEVEILKASWNDLNDDSDSIGKRVFLQAFEMRPEMK LKASDIQLV <mark>C</mark> RSWEKLSPNIPELGQKFYKNLFTLDPSLK LSSHDRSVIRKTWDQAKRD GDVAPQILFRFVKAHPEYQ
UniRef90_Q7M455 UniRef90_D6YUM9 UniRef90_UPI0002627209 UniRef90_G1LAM5 UniRef90_UPI00024838DF	PANKGLIRETWNMIAGDR KNGVELMALLFEMAPDSK LSQQTIDLVKSTVPILQEQGETLTKYFYKRMFSQNPEVA LIRDSWVKAEPYLPEVTQFFYGMLFTLAPATR EHQTAFALQLFDLEPDLL QVELLETSFAQVKPVANFFADRFYFNIFTDYPAAQ
UniRef90_F4Y0R0 UniRef90_G7KGS8 UniRef90_UPl000273DCC4 UniRef90_D8FWM6 UniRef90_F5SW36 UniRef90_UPl0004639C1B	QVELLEQSFDKVKPRATEFVASFYENLFTDYPAAQ GFTEKQEFLVNSSWESFKQNLPGYSVLFYTII LEKAPAAK SLTKTERTII VSMWAKISTQADTIGTETLERLFFSHPQTK I ELLEESFNRIKPNAPEFATSFYDNLFADYPHVK LDTRTIQIVKSTIPLLEGAGTAVTDHFYQRMFTANPELK MTPEQVTLVQQSFSKVAPLADQAAVVFYERLFEVAPQVR
UniRef90_Q70PH6 UniRef90_P27199 UniRef90_E3QS00 UniRef90_S6F2N4 UniRef90_Q7M416	GLKRSDIINIQDSWNTLKGGYETVGMLVLHRLFNDAPQTR GFTEKQEALVNSSYEAFKANVPQYSVVFYTSILEKAPAAK ALTYKQSQLVRGTIPALREHGETITSIFYANMLRAHPELH LDTKTDLIKSTVPSLKAHGLEITFYANMLRAHPEVK GISADQAKALKDDIAVVAQNPNGCGKALFIKMFEMNPGWV QVEILESSFEKVKPQANEFVSSFYNHLFTDYPEAQ
UniRef90_B0CEY8 UniRef90_A4C946 UniRef90_A8LLN0 UniRef90_K1PSK3 UniRef90_S5T506 UniRef90_C1MGW9	MTPHQVELVQASWEKVVPLAKDAADLFYGKLFELNPALR MTQDEITLIQRSFSRIFAQKARFGALFYERFALNPEAR GLTEEEVIAVEDSWSMLYRHRKENGVKLFMNLYSLHPATI LSEEHAALVKATLPAVGENIETIARNFYERMFTAHPELL
UniRef90_UPI0003C76545 UniRef90_B0C7N8 UniRef90_V4R4D1 UniRef90_Q95NK8 UniRef90_UPI00034D7B38	GNGVAFFRNVFRIAPEAL LSEQSVPVVRATLPVVGARLGELTELFYEKLFTDRPELL QTELLTNSFDLLRENEAEFTQVFYGTLFTDYPQVK MTPGDLELVKTSFQALVPMKEAAALFYKRLFELDPALR LSASDRAIIRKTWEQARKD GDVAPQLLFRFVKAHPEYQ QLELVEQSFAKLEPQGSAFAASFYQNLFAAYPETQ

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UniRef90_M7CUM7 UniRef90_M7CUM7 UniRef90_A5EFK6 RNSZGZDGN<mark>H</mark>NZG<mark>H</mark>GPRSPZLNKG UniRef90_S9QGF4 UniRef90_B6ZIV8 UniRef90_A9U5F4 UniRef90_UPI000361056E UniRef90_S3D2U5 UniRef90_Q07S70 UniRef90_Q800M1 UniRef90_R7UHS6 UniRef90_I0JWG1 UniRef90_M1KNV4 UniRef90_M5DQW7 UniRef90_UPI00047C30DC UniRef90_UPI00037EC7DA UniRef90_B1ZVJ7 UniRef90_F5UFD7 UniRef90 S4XEM3 UniRef90 D6WV70 UniRef90_F6Q119 UniRef90_Q7ZYZ5 UniRef90_Q7ZYZ5
UniRef90_I1SRP1
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R D D

D A V

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D K W S E E L N T A W T I A Y D E L A I I I K K E M K D A
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UniRef90_E5WD91	L D T K T L E L I K S T V P V L E K H G E D I T K T F Y K L M F T N H P E L L
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UniRef90_UPI0001DE9587	SLREAEKTVMLYMWSKI YTQEGLXGAEALQMLFPSDP LSEQTVAIVKATVPALNAHGLDIVNEMYSRLEQ NPEIR
UniRef90_UPI000465C560 UniRef90_UPI000470FF35	IL ID D A T R S II I IK A <mark>C I</mark> V IP IV L IE A H G IV IA II IT T E M Y R R IL L I A N P D II IR
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UniRef90_K9AYY9	<u>L</u> T
UniRef90_R7TLW3 UniRef90_UPI000380C57E	T WAIL LIS ENR D GILIG T EIVIEIVIR M E E S Y P DILIK
UniRef90_UPI000345A7DE	LSQKTIDIVKSTAPILETHGVDITTYFYKTMFEAHPELL VELLESSFAKIKPSGPQFAASFYTNLFESAPAAK SDESFQLVRATAPVVAEHIEEITGTFYPKMLGRHPELY
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UniRef90_Q4W9X3 UniRef90_UPI0003722A76	L T P E QVQ F I K A T V P V L A E H G T T I T T V F Y K N M L T A H P E L N L S E Q S A A T V R A T L P A V G A A I G E I T E R F Y S G L F A A R P D L L
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UniRef90_R9TZZ3 UniRef90_V9D8T9	SLTREQAHLITSTVPVLAQHGAQITTVFYANMIRDVPELK
UniRef90_U5LAU4	ILIS R N TII ID TII VIS TIVIPIV LIEIVIK G T EII IT TIVIF Y R NILIF S S H P EIL LI
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UniRef90_J3B4T0 UniRef90_UPI0004142B3D	L T P A Q R DI I K A T V P L L E V G G E A L I T Y F Y Q L M L D T H P E V R
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UniRef90_B8N5W0	NII F NTAHQATGEQPAALAHAVW AYATNI <u>I EHP</u> E
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UniRef90_UPI000345A7DE	V L GS T L R G L G A R H V Q Y G A L P E H Y P L V G A A L L Q T F E Q Y L G N L N E A V L R I A H K H C A L G V K A E H Y Q I V H D N L M E A I G E V L G
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UniRef90_Q9I0H4 UniRef90_UPI0003FF27C9 UniRef90_V5YMG1 UniRef90_M2XD60 UniRef90_W7YVL1 UniRef90_UPI00037CAF05	SFT S A A QUDIT V K S N WUS MIT A DID D A A G Y K F F E L L F Q K N P D T Q SFT E K Q E A L V N S S WE S L K Q N P G Y S V L F Y T L I F E K A P A T K L T A D Q V A A L K A S W P E V S A G G A Q L G L E M F T K Y F H E N P Q M M L S N A Q R A L I K A T V P L L E T G G E A L I T H F Y R T M L G E Y P E V R L S E K S R P I I E A T L P L V G S R L G A I T P N F Y S R L F A A H P E L L S V D A G E A A L I K S T W N Q V K T N E V D I L S E S A R P L I E A T A P V I A E R L P D I A P K F Y Q S M F E A E P Q L I L G Q E T I K T I K A T A P V L A E H G L A I T T H F Y T L L L E Q H P E L W F T R F L V K S T V P V L A E H G E T L T R R F Y A R M F A A H P E L K
UniRef90_I6ZHS6 UniRef90_UPI00047ADCBA UniRef90_I2GZK4 UniRef90_A7ICZ3 UniRef90_A0A059IUM5 UniRef90_E2AF92	LGQETIKTI KATAPVLAEHGLAITTHFYTL LEQHPELW ETREIVKSTVPVLAEHGETI TRRFYARMFAAHPELK LCAEKRALI KATVPLLESGGEALTAHFYRLMLSEHPEVR LSEKSLPI I EATLPI VGERMPGI AKDFYRRLFEAHPELL LPEQVRTI I KATVPVLEQHGTITKTFYKNMLNDHNELR DDQI GLLETSFAELSTDRDAAAALFYERLFVLDPALK LTEETLAI I EATAPAVAAHVDQI VPCMYRRLL ADPEI R FSAEEYALVKKVWSGI EINPQFHGNACLRSFCEI YPQYV MSANTIAI LKATAPVVKEHGTEI TSNMYRIMFSEFPEVQ
UniRef90_G4ZN81 UniRef90_G5EF00 UniRef90_UPI00047DE9BF UniRef90_S7X5W1 UniRef90_D9T2U6 UniRef90_Q25217	LITPLDREILINKSWGIVSKDMQQVAVNLIFQMIFEQAPDAK EIVKATIPVVQQHGETITKKFYQRLLTNHPELIN
UniRef90_R7U3L1 UniRef90_UPI00037DED22 UniRef90_X7EAF4 UniRef90_W5XXL5 UniRef90_S3B1Y0 UniRef90 W9ADN1	MNNSQREITTATIVPILREHGVALITHFYKRMFSHPDLK L KESWTL VEEHRERLSGHFYARLFLLDPELR LSADEANLVKSSWDHVKHNEADI LYAVFKAYPDIQ GLTKAQIAAIQNNWARISNNLQDFGDTLFMRYLTIYPGDL MTKQQIQLVKQTWIFLREDPAILGDVFYGQLFLKYPSLR LSQQHIQTVKATIPLLASAGPAITEYFYKRMFTHNPELQ LSPEHEATIKATLPLVGGKINEITPVFYKKMFTAHPELI LSQKSAETVRATLPAVAEALDTVTDLFYRRLFAAHPELE LDQKTMDIIKSTVPVLAEHGESITKHFYSRLLEDHSELK TVVRATLPAVAEALDTTSYFYXALEDHSELK
UniRef90_UPI00046EF76E UniRef90_UPI00035F1C6F UniRef90_UPI00040E3AFA UniRef90_H7F3M2 UniRef90_C5DJ02 UniRef90 Q1QCV6	T V V R D T L P V I G S A I G D I T P I F Y D R M F T A R P D L L A D A Q L I R R T M E E V A P V A D K T T S Y F Y A L L F I R H P E L R L S T Q S K E I V K A S A P I L Q E H G E K V T Q T F Y H N L F Q A H P E L L L D E K T K Q T V K E T I P F L E A K G T E I T S L F Y K N M L A A H P E L L L S E Q T R N I V K A T V P V L E Q H G T T I T T V F Y R N M L S E H K E L L A I V K A T V P V L E E H G T A I T T V F Y K N M F H E H P E L L D S A L I R R T L A E I E P I A D T V V S F A L L F L H H P Q L R
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UniRef90_ATOBD9 UniRef90_F1YMN1 UniRef90_K4Z6M5 UniRef90_B2L5R1 UniRef90_T1EP07 UniRef90_N4VA48	LDPQHAEIITATLPLVGAHIDEITTVFYSRMFAARPELL SSDTKLVLEATLPVVESALPEITPRFYDRMFTARPELL LQPRTIEIVKSTVPVLAEHGPQLTARFYQLMFSNHPELL VAAHGDKYGGEALHRMFMCAPKTK LTEGEIYNFEKIWKHVQKNLPEIGKNMFKELFTKNPALS GLTQEQIDIVKSTAPVLKVHGETITTLFYKDMMDTHPELK

8 PA AD DATE MEDICAL DOUBLE, A DATE MAN AD STREET MAN AD S UniRef90_A6C6G4 UniRef90_N6W8E4 UniRef90_S9X8F9 UniRef90_Q7M424 UniRef90_F8I6Y7 UniRef90_W4QV28 UniRef90_UPI00032ABF5B UniRef90_I3EA62 UniRef90_A4FQN9 UniRef90_UPI0004688A51 UniRef90_UPI00046ED6C9 UniRef90_D7G3H0 UniRef90_P19363 UniRef90_X1ZVE5 UniRef90_UP10003B74153 UniRef90_C3XHE5 UniRef90_UPI00047BB5FF UniRef90_L5JQP5 UniRef90_P11582 UniRef90_UPI00046972F1 UniRef90_UPI00037A7EB7 UniRef90_E7BQB5 UniRef90 V9XEY9 UniRef90_H2T5Q8 UniRef90_A0A031MJ73 UniRef90_A0A031N UniRef90_K7LKG1 UniRef90_F9DTV8 UniRef90_Q0UPY5 UniRef90_U1EBY4 UniRef90_A6CW45 UniRef90_B0WEBB UniRef90_B0WEP6 UniRef90_A0A019TTI1 UniRef90_R7Y0P2 UniRef90_Q6WKX1 UniRef90_L2TRW9 UniRef90_UPI00035FABE6 UniRef90_L0W7Z5 UniRef90_A0JSP7 UniRef90_X2GRE8 UniRef90_Y5NZL8 UniRef90_G0NBS4 UniRef90_Q8T7J9 UniRef90_G7K1Y9 UniRef90_P23216 UniRef90_Q9I0H4 UniRef90_UPI0003FF27C9 UniRef90_V5YMG1 UniRef90_M2XD60 UniRef90_W7YVL1 UniRef90_UPI00037CAF05 UniRef90_I6ZHS6 UniRef90 UPI00047ADCBA UniRef90_I2GZK4 UniRef90_A7ICZ3 UniRef90_A0A059IUM5 UniRef90_E2AF92 UniRef90_G4ZN81 UniRef90_G4ZN81 UniRef90_G5EF00 UniRef90_UPl00047DE9BF UniRef90_S7X5W1 UniRef90_D9T2U6 UniRef90_Q25217 UniRef90_R7U3L1 UniRef90_UPl00037DED22 UniRef90_UPI00037DED22 UniRef90_X7EAF4 UniRef90_W5XXL5 UniRef90_S3B1Y0 UniRef90_W9ADN1 UniRef90_UPI00046EF76E UniRef90_UPI00035F1C6F UniRef90_UPI00040E3AFA UniRef90_H7F3M2 UniRef90_C5DJ02 UniRef90_Q1QCV6 UniRef90_M3A177 UniRef90_A0A014M4M2 UniRef90_B2T8C8 UniRef90_L8MJ23 UniRef90_UPI000464E2AB UniRef90_G2IXZ0 UniRef90_S5Z527 UniRef90_B4K5Q6 UniRef90_W0RNE9 UniRef90_W5WN66 UniRef90_V6KZR8 UniRef90_A1UBD9 UniRef90_F1YMN1 UniRef90 K4Z6M5 UniRef90_B2L5R1 UniRef90_T1EP07

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UniRef90_A0A059IUM5 UniRef90_E2AF92	KV VPV LEQLAVRHV HYGVRDAHYATVGAAL I ET LSLYFG V LAEALERI AQKHAG QLDRLVGYLAMVHKD MQLDEQDMRNFATSLFQYLSRTYP NLGDAVPRMVHKHVS LNIRAEHYPI VGGCLLRAI KI V LG DLDAVFLNLGKI HAKHEEFSAHYWSVFKECVLKAMKSHNK AILPAVERI AQKH RSLQIKPEHYPLVGENLLAAI KEVLG V L PELHRI GHKHVS LEI RPEHYPL VGENLLAAI KEVLG DFDEYLRALGRDH RKYHVS AEHYATMGVALLDALRSTAG AVYNLVSKLGADHKARG VTAAQFERLLDLLPRLVQAHVS NMDAAKAMLKERVHTHAPI AMAQFERLLDLLPRLVQDA TVAQEMGQLTQSHVG DGVKPEHYGPVKEALLWTLERGLG V L T S AVMRI AHKH T S F NI KP DQY QI V H D NL F A A I VEL AP DPVA ML ARIGHKHVS LGI AP DQY QI V H T H LI ET LRELAP
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UniRef90_UPI00046972F1	DAVTPEVLGAWEKAYGVLANIFAQIYKQGGWSG
UniRef90_UPI00037A7EB7 UniRef90_E7BQB5	GK <u>F</u> TPA <u>A</u> K <u>D</u> GWTA L YG L <u>I</u> SDG I <mark>C</mark> A
UniRef90_V9XEY9 UniRef90_H2T5Q8	DAIT PQVAVA WHEVYTLMANSLVEQYRRAG
UniRef90_A0A031MJ73	E A A S D A V L G A W G E A Y G Q L A D I L E Q R Y Q Q G G W R G
UniRef90_K7LKG1 UniRef90_F9DTV8	D K W S E E L S N A W E V A Y D D A A T S E I I D A W A A A Y G V I A D A L E A K M A D G G W R G
UniRef90_Q0UPY5	<u>A</u> A A T G E V L D A W G A A Y W Q L A D <u> L </u> M I A <u>K</u> Y K S T G W D G
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UniRef90_W7YVL1 UniRef90_UPI00037CAF05	E D A T D S I L T A WE E A Y S V T A K L F I E T Y A E A G W Q D A A T P E I V G A WE Q A Y WE L A R I L A E K Y Q E G G W T
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UniRef90_A1UBD9	$\Delta D V T \Delta P V \Delta F \Delta W D \Delta V V W M M \Delta R T I R H I V \Delta F \Delta G$
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UniRef90_UPI00035A020E UniRef90_R4XTP3 UniRef90_E1SVJ2 UniRef90_A0A022T2H4 UniRef90_G8C1Y5 UniRef90_M2T559 UniRef90_A7C3E4	GLSPADCDVVRAIWAKAYAPEVENGETLILSLFKTFPETQLSPQIRALVKATAPVLKTHGVALTRHFYARMFQHNPELKIDTVKSTLPLLAEAGPALTAHFYQRMFHHNPELKFTEDELKRVQTTWDLLNSTPLETALAILVRSMEIFSEFRLTNNEKQLLRLSWDLINHYSGDLNAFPYDTLFERKPSEYLSEQTVAIVKATVPALEAHGLNITRVMYARLFQ
UniRef90_T1GF38 UniRef90_F4NCQ6 UniRef90_A7RY39 UniRef90_U71756 UniRef90_L7LC87 UniRef90_S9TXC2	SEKEVLEIKRTWKIPMADPLTSGETMLLKLFERYPANQ LSVKTKNIVKATVPALEQNGVTITKTFYKNMLGEHPELL SLTPEEKAIILETWKLIEPYQRIVGKTLFLRFFKEHPTYQ SEKIKEDLRLTWGILSNELEDTGVTLMLTLFKMEPGSK SDQTRQVLAATLTAVEGALDDITPNFYNRMFTAHPQLL ALSEHTIKVVEATAPVVAAAGPDLTAAFYQRMLTGNPELK
UniRef90_I5CB11 UniRef90_J2W0D0 UniRef90_W6FSH9 UniRef90_UPI000349B039 UniRef90_L9PA49 UniRef90_UPI00022601B5 UniRef90_Q5YNI4	SDQTRQVLAATLTAVEGALDDITPNFYNRMFTAHPQLL ALSEHTIKVVEATAPVVAAAGPDLTAAFYQRMLTGNPELK LSAEHRAIVKATVPLLETGGEALTTHFYKTMLSEYPGVR LRAETIALVKASVPALVAHGPAITSNMYSRLLQ FSDDQKADIKSTWETLSGNKFQLGVELMANLFKAHPDYQ VEALERSLERVKPWGDEFAVSFYDNLFICYPEVK LSTEQKAIISATVPILEQGGEALTRHFYLTLFRDFPEAK LDDKTRSIVKACVPALEAHGLDITQEMYKRLLADPEVR VALIRTTFKAVAADPDELARTFYAILFTDHPQIR DTQRLKDSFNAVAGEGDAVALFFYSDLFVRNPHLR
UniRef90_UPI0003AD3F17 UniRef90_D9WHF6 UniRef90_S9RC72 UniRef90_UPI000363B44A UniRef90_E0VLE5 UniRef90_V5YND8	L N D S Q K Q Y I R S S I P I L E S N G V D L T K N F Y K K M L E N Y P E V R L S A Q Q L A L I K A T V P L L E S G G E T L T R H F Y Q G M F R D H P E V R L F E Q N E E L L L T A D Q A G V L Q S A W S N I K N S E V D I L Y A V F K A Y P D I Q
UniRef90_UPI00026C6E69 UniRef90_O96457 UniRef90_UPI0003AAB814 UniRef90_S6EG67 UniRef90_X1WTL0 UniRef90_D0MGT2	L VP A H E QI V R D T L P L V G E H V E E I A P V F Y G R M F A A H P E L L M N S E E V N D I K R T W E V V A A K M T E A G V E M L K R Y F K K Y P H N L L K E S W S F V E R P D R L A E N F Y A R M F L A D P A L R
UniRef90_C4ZL31 UniRef90_A0A024YR31 UniRef90_V5YME9 UniRef90_E4NEB0 UniRef90_H5UE51 UniRef90_E5G622 UniRef90_UPI000371B894	DAVLIRRTLAEI APVADKVTSYFYALVFTGHPEVR LSSDQYSLVKSTWDQVSHNEVDI LYAIFKAYPDIQ DPAVIRASFAVVERRADQLTKFFYAHLFTNNPGVE LSDTQLATIAATLPAVEGSLAEITPRFYRGLFAAHPELL ADFDMVLKCWGPVEADHATYGSLVLYRKFPENPETL
UniRef90_Q73B49 UniRef90_F6IGG7 UniRef90_N9B9T5 UniRef90_K9PXW7 UniRef90_Q25216 UniRef90_L7LLG7 UniRef90_UP10003B75FFB	LSEKTIJEI VKSTVPLLQEKGVEI TTRFYEILFSEHPELL LSAETKAI VKSTAPALQQHGLAI TTRMYERLF IDPDVK MTPQQIELVKSTVPVLREHGVTLTSYFYNRMLNNHPELK ELLETSFALLRDHKTEFTQHFYHHLFADYPQVK LTADQATLVQSSWKQVSHNEVDI LYAVFKAYPDIQ SSDTKIVLFATVPVVFAAIPPEITPRFYDRMFTARPELL
UniRef90_UPI00037E05FB UniRef90_R1F7K1 UniRef90_L1IT99 UniRef90_UPI0003482374 UniRef90_UPI00047A97C6 UniRef90_Q3SGG8 UniRef90_A0A013VH75	ALLKESWTLVEEDQERVAGYFYAHIFTAHPHLR AIVKATAPAVAPKVREIVDDFYPRMFSNSPEAK IVRDCWDIIMEHYEDLGEMVYDHLFRLAPNVA SLSPQTIAVVKATVPALETHGLAITRRMYERLFQ NDELR LTSSTITIKSTVPVLAEHGQTITRVFYQRLFENHPEMK
UniRef90_UPI000370C764 UniRef90_V5YMJ8 UniRef90_UPI00035965FA UniRef90_A0A016T6V4 UniRef90_E0WQP2 UniRef90_M3JWV7	S L S A A E A D L L S K S WA P V F A N K D A N G D N F L V A L F E K F P D S A L T E L D K D I L T Q S W K I V S R D M E S L A V D I F Q M I F E Q A P D A K L D S Q T I A V V K S T I P L L V A T G S K L A T H F Y E R M F T N N P E F K
UniRef90_K6WGP8 UniRef90_T0QBI8 UniRef90_R1IED5 UniRef90_B9WN53 UniRef90_Q14SM8 UniRef90_Q14SM8 UniRef90_Q14SM8	DKQLLEESLTLVDLPDSGLTVRFYDLLFERYPAVKLSLDTIRLVKATAPVVGEHGYAIITSQMYSTMLPSDPKIALNEKTIEIVKSTAPLLAETGPKLTAHFYERMFSRHPELKLTRSERKIIKDSIPLLEYLDIQFGEKFFKRLVKRFPEYKGLSDIDRDALVSSWNQLTGRAGGAGTNLVLWMLENVPNMRGLSDIDRDALVSSWNQLTGRAGGAGTNLVLWMLENVPNMRGLSDIDRDALVSSWNQLTGRAGGAGTNLVLWMLENVPNMRGLSDIDRDALVSSWNQLTGRAGGAGTNLVLWMLENVPNMR
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UniRef90_J9MVP5 UniRef90_R7VJJ1 UniRef90_UP100042384CF UniRef90_A9GKK0 UniRef90_UP1000367C074 UniRef90_W9BRU3	ALIPEQIKVVQSTIPALEKHGLEITTLFYRQLLNKHPELK FTQAQIKTIRSVWNLVKRKFEDSARENLVIFFHLNPIFQ LTDNEIKIKSSAPALAEYGEQITGRFYQILLEKNPELK VRASFERLAPRAEALVTRFYERLFAREPALR LSPSQTALITATVPLLEAHGETLTRHFYQTLFADFPQVL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NODDNRAK<mark>H</mark>| NH NNH NND NNN <mark>MH</mark>GD<mark>H</mark> VQNG NASKNK NND RNN H
| NDDDNRAK<mark>H</mark>| NH NNH NND NNN MHGDH VQNG NASKNK NND RNN H
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UniRef90_E1SVJ2	IV LIT A AIVIE RII IA H K H T G F IL I IE P A Q Y AII V IG E HIL LIA T IL IR E IL IG G
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UniRef90_A7C3E4	ALEGALDNIARHHV KTSILPEHYPWVGNSLLQAIKDTLG
UniRef90_T1GF38 UniRef90_F4NCQ6	TLHEIFEKVAVSH HKRGISKESHNOLKEVIIETL VGV DLSVLMPAVNOIGHKHRQVQPAQYDIVGKYLLIAIKEVLG
UniRef90_A7RY39	NII IQAFSAYILIE DILIGAR <mark>H</mark> N
UniRef90_Q17156 UniRef90_L7LC87	NLRCVVDKFAVNHRIRK ISASEFGWIMKPIREVLMERMG QQKFIIDRVAHKHAS LGVIAEQYPIVHEHLFGAIVEVLG
UniRef90_S9TXC2	All IGPIV VIERII IA OKHAS FOII IT DA OYOH VIGHHII I IKTII IEEKII IN
UniRef90_I5CB11 UniRef90 J2W0D0	QLĞGLVSQIVNKHVA LNILPEHYPIVĞG <mark>C</mark> LLRAIREVLG ALVPVVERLAQKH IGYNILPEHYPYVATALIGALAEVLG
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UniRef90_UPI00022601B5	NLGGMVERITOKHVG LNILPEHYPLVGKALLGAIEHVLG
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UniRef90_E0VLE5	
UniRef90_V5YND8 UniRef90_UPI00026C6E69	A I Q T L V S E L G N N H K S R G V S K A Q F N E F R T A I T E Y A S T H P S P A A L L S R I G H K H V S L G I T E D Q Y E I V H E H L M A A I V E V L G
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UniRef90_Q14SM8	NEQEAL VRLADAHLNKPRVGLEYFGPLQRYIHAYIEKALG
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UniRef90_Q941Q0	ALHPKLKELGKKHVG YGVIAAHFDVVKAALUSTLESLLP
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UniRef90_V9B7I3	NLQEALVRLADAHLNKPRVGLEYFGPLQRYIHAYIEKALGALHPKLKELGKKHVGYGVIAAHFDVVKAALLSTIESLLPDLASTLGSLGAKHAT MGVTEPMYAAVTECMVAAMSEIGGDMSAVKSALGQRH TAYGAHKGHFGSAGPCLLAALLAEVCGGVLLQVVERIAHKHVSLGVTEDQYVIVHRYLFDAIAHTLGQLEEIWTKVAVNHIPRQ ISKESYNNLKEVVLEVLTAACALGDLVATIVNKHVA LQIRAEHYRLVGASLLQAIREVLGAMKAAISRIGHKHASLGVTADQYPIVGQGLLSAIKQILGGAIAKLEEVGRENTAACGALGDLVATIVNKHVA LQIRAEHYRLVGASLLQAIREVLGAMKAAISRIGHKHASLGVTADQYPIVGQGLLSAIKQILGGAIAKLEEVGRENTAACGALGAIAKLEEVGRENTAACGAIAKLEEVGRENTAACGAIAKLEEVGRENTAACGAIAKLEEVGRENTAACGAIAKLEEVGRENTAACGAIAKLEEVGRENTAACGAIAKLEEVGRENTAACGAIAKLEEVGRENTAACGAIAKLEEVGRENTAACGAIAKLEEVGRENTAACGAIAKLEEVGRENTAACGAIAKLEEVGRENTAACGAIAKLEEVGRENTAACGAIAKLEEVGRENTAACGAIAKALEEVGRENTAACGAIAKALEEVGRENTAACGAIAKALEEVGRENTAACGAIAKALEEVGRENTAACGAIAKALEEVGRENTAACGAIAKALEEVGRENTAACGAIAKALEECGAIAKALEACAAAAIAKALEECGAIAKALEACAAAAIAKLEEVGRENTAACGAIAKALEACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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UniRef90_A9GKK0 UniRef90_UPI000367C074	KLVEMLEALGRRHAT YAALPEHFDAVGRALLEVLEELEG KLGPLVATIVNKHVS LQLLPEHYPLVGASLLKAIREVLG
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UniRef90_T1GF38	DAAT DEVMT A WGEAY WFLANVLIEREQKLYQSG CDLNDFQKGAWEKWMESIFNVL
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UniRef90_S6EG67 UniRef90_X1WTL0	P G D E V L D A WG K A Y G V L A N S I L S T K L Q A WK E A Y D F L A H L L S T K
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UniRef90_R7UCZ3 UniRef90_U4T4Y7	KNYPQHLQVIYKKAIRFIINLLKSAMREA EAATDDIITAWTEAYDEIASVFIQMYQEEIWQG
J	

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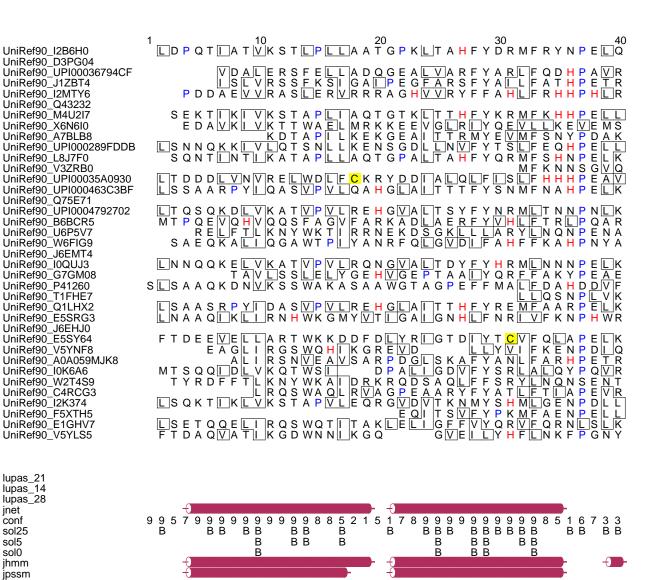
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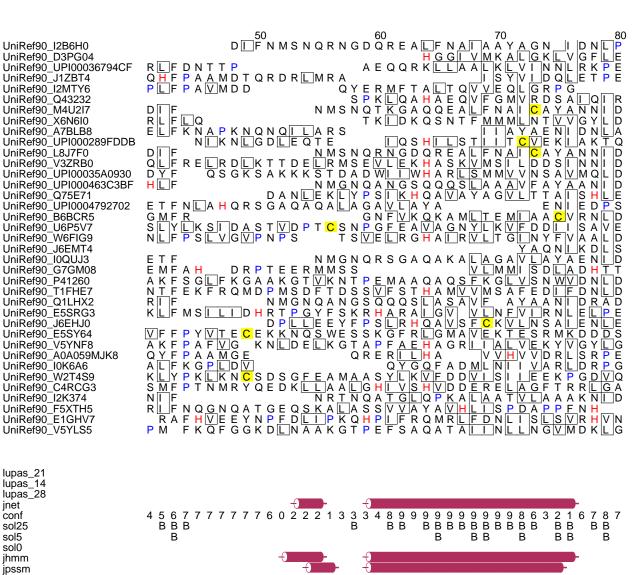
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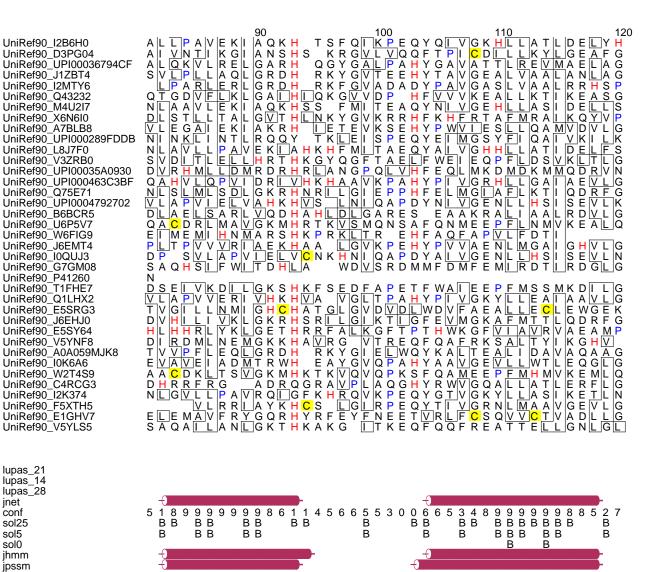
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