

## Supplementary Table

gi 20532410	Protein 26S protease regulatory subunit 7 (MSS1 protein).	Sequence ACLIFFDEIDAIGGAR ALDEGDIALLLK ALDEGDIALLLKTYGQSTYSR AVANRTDACFIR DFLEAVNKVIK DIRFELLAR EVVETPLLHPER FVNLGIEPPK FVNLGIEPPKGVLLFGPPGTGK FVVDLSDQVAPTIEEGMR FVVDLSDQVAPTIEEGMR ox GVLLFGPPGTGK IATEKDFLEAVNK IEFSLPDLEGRTHIFK IINADSEDPKYIINVK KACLIFFDEIDAIGGAR KIEFSLPDLEGR LCPNSTGAEIR LREVETPLLHPER MVRELFEMAR MVRELFEMAR ox ox NKYQIHIPLPPK PDYLGADQR PDYLGADQRK QIKQVEDDIQQLLK QTLQSEQLQVAR QVEDDIQQLLK QVEDDIQQLLKK SVCTEAGMFAIR SVCTEAGMFAIR ox THIFKIAR TMLELINQLDGFDP TMLELINQLDGFDP ox TYGQSTYSR TYGQSTYSRQIK VIGSELVQK VIGSELVQKYVGEGAR
gi 129032	2-oxoisovalerate dehydrogenase alpha subunit, mitochondrial[Precursor]	AGVLMYR ox RQQESLAR GPGYGIMSIR GPGYGIMSIR ox TDLVFGQYR QMPVHYGCK ox SMTLLNTMDR ox VMEAFEQAER VMEAFEQAER ox VMEAFEQAERK VMEAFEQAERK ox QMPVHYGCKER ox VDGNDVFAVYNATK IGHHSTDDSSAYR NNGY AISTPTSEQYR AVAENQPLIEAMTYR AVAENQPLIEAMTYR ox HLQTYGEHYPLDHFDK SVDEVNYWDKQDHPISR QGQIINPSEDPHLPQEEVLK NNGY AISTPTSEQYR GDGIAAR HFVTISSPLATQIPQAVGAAAYAAK ISFYMTNYGEEGTHVGSAAALER ISFYMTNYGEEGTHVGSAAALER ox GPGYGIMSIRVDGNDVFAVYNATK ox KLKPNPSSLFSDVYQEMPAQLR ox HFVTISSPLATQIPQAVGAAAYAAKR LKPNSLLFSDVYQEMPAQLRR ox QGQIINPSEDPHLPQEEVLKLYR
gi 34865350	2-oxoisovalerate dehydrogenase beta subunit, mitochondrial [Precursor]	LGVSCEVIDLR TIVPWDVDTVCK SGDLFNCGSLTIR YRSGDLFNCGSLTIR DPTAVIFGEDVAFGGVFR GLLLSCIEDKNPCIFFEPK VAHFTFPDPESLQYGGTQK APWGCVGHGALYHSQSPEAFFAHCPIK
gi 19924087	3-alpha-hydroxysteroid dehydrogenase)	CKDAGLAK ILNKPGLK IAIDNGFR QTPALVALR TCLEKTLK DKTWVDQK NFRYNNAK SIGVSNFNCR REDIFYTSK YKQTPALVALR QLERILNKPGLK

		<p>YQLQRGVVPLIR  LWSTFHRPELVR  SPVLLDDPVLCIAIAK  YFDDHPNHPFTDE  QTPALVALRYQLQR  SIGVSNFNCRQLER SPVLLDDPVLCIAIAKK  SKDILVSYCTLGSSR  LLFETVDICDTWEAMEK VALNDGNFIPVLGFGTTVPEK  YNNAKYFDDHPNHPFTDE  HFD SAYLYEVEEVGQAIR  YKPV CNQVECHLYLNQSK  IAIDNGFRHFD SAYLYEVEEVGQAIR</p>
gi 3929397	3-Hydroxyanthranilate 3,4-dioxygenase	<p>VLEQGEHR  AWLESHSR  EPPFPLSTR  METELDGLR  IMFVGGPNTR  IMFVGGPNTR ox  QGEIFLLPAR  VKS WVEENR  ASFQPPVCNK  IMFVGGPNTRK  FANTMGLVIER  FANTMGLVIER ox  FANTMGLVIERR  FANTMGLVIERR ox  VLEQGEHRDVVIR  YYVGDTEDEVLEK  QD VDVWLWQLEGSSK  QGEIFLLPARVPHSPQR  SVMEMPSLKA WLESHSR ox  SVMEMPSLKA WLESHSR ox ox  AQGSVALSVTQDPACKKPLG  SWVEENRASFPVCNK  GPRQDV DVWLWQLEGSSK  TGKPNPDQLLKEPPFPLSTR  DLGTQLAPIIQEFFHSEQYR  DYHIEEGEEVFYQLEGDMVLR ox  KDYHIEEGEEVFYQLEGDMVLR  KDYHIEEGEEVFYQLEGDMVLR ox  ELQAGTSLSLFGDSYETQVIAHGQGS SK  ELQAGTSLSLFGDSYETQVIAHGQGS SKGPR</p>
gi 1258554	3-hydroxyisobutyrate dehydrogenase, mitochondrial [Precursor]	<p>DFSSVFQYLR  DLGLAQDSATSTK  KDFSSVFQYLR  TPILLGSVAHQIYR  GSLIDSSTIDPSVSK  MGAVFMDAPVSGGVGAAR  TPVGFGLGNMGNPMAK  MGAVFMDAPVSGGVGAAR ox TPVGFGLGNMGNPMAK ox  MGAVFMDAPVSGGVGAAR ox ox  TPVGFGLGNMGNPMAK ox ox  DFSSVFQYLREEETF  EAGEQVASSPADVAEKADR  HGYPLILYDVFPDVCK  GSLIDSSTIDPSVSKELAK  HGYPLILYDVFPDVCKEFK  ITMLPSSMNSIEVYSGANGILKK  ITMLPSSMNSIEVYSGANGILKK ox ox  DLGLAQDSATSTKTPILLGSVAHQIYR</p>
gi 135746	3-Ketoacyl-CoA thiolase A, peroxisomal	<p>GNPGNISSR  LLESDKAR  QVVTLLNELK  QDAFALASQK  QVVTLLNELKR  AEELGLPILGVLR  QKQDAFALASQK  SKAEELGLPILGVLR  QCS SGLQAVANIAGGIR  DCLIPMGITSENVAER DCLIPMGITSENVAER ox  VNPLGGAIALGHPLGCTGAR  IAQFLSGIPETVPLSAVNR  DGGSTTAGNSSQVSDGAAAVLLAR  TITVSQDEGVRPSTTMEGLAK  TITVSQDEGVRPSTTMEGLAK ox  GGFKDTPDELLSAVLTAVLQDVK  LKPECLGDISVGNVLEPGAGAVMAR ox  LGIPAEKVNPLGGAIALGHPLGCTGAR  LKPAFKDGGSTTAGNSSQVSDGAAAVLLAR</p>
gi 135742	3-ketoacyl-CoA thiolase B, peroxisomal [Precursor]	<p>QVVTLLNELKR  AEELGLPILGVLR  QKQDAFALASQK  SKAEELGLPILGVLR  QCS SGLQAVANIAGGIR  DCLIPMGITSENVAER  VNPLGGAIALGHPLGCTGAR  IAQFLSGIPETVPLSAVNR  DGGSTTAGNSSQVSDGAAAVLLAR  TITVSQDEGVRPSTTMEGLAK ox</p>

gi 135762	3-ketoacyl-CoA thiolase, mitochondrial	GVFI VAAK HNF TPLAR GVFI VAAKR YALQSQR KHNFTPLAR TPF GAYG L LK ITAHLVHEL R RTPFGAYG L LK YNISREDCDR ITAHLVHELRR LPMGMTAENLAAK ox LPMGMTAENLAAK ox ox VGVPTETGALTLNR DFTATDLTEFAAREDCDRYALQSQR LEDTLWAGLTDQHVK TNVSGGAIALGHPLGGSGSR AANEAGYFNEEMAPIEVK AANEAGYFNEEMAPIEVK ox LPMGMTAENLAAKYNISR ox ox LCGSGFQSI VSGCQEICK DMDLIDVNEAFAPQFLAVQK DAEVVLCCGTESMSQSPYSVR DAEVVLCCGTESMSQSPYSVR ox WKAANEAGYFNEEMAPIEVK IITHPNFNGNTLDNDIMLIK ox WKAANEAGYFNEEMAPIEVK ox FGLDLKLEDTLWAGLTDQHVK TPF GAYG L LKDF TATDLTEFAAR EGTVTAGNASGMSDGAGVVIASEDAVK EGTVTAGNASGMSDGAGVVIASEDAVK ox SLDLDP SKT NVSGGAIALGHPLGGSGSR VVG YFVSGCDP AIMGIGPVPAITGALK ox VPPETIDSVIVGNVMQSSSDAAYLAR VPPETIDSVIVGNVMQSSSDAAYLAR ox EGTVTAGNASGMSDGAGVVIASEDAVK ox VVG YFVSGCDP AIMGIGPVPAITGALK ox AGLSLKDMDLIDVNEAFAPQFLAVQK ox AALSAGKVPETIDSVIVGNVMQSSSDAAYLAR AALSAGKVPETIDSVIVGNVMQSSSDAAYLAR ox
gi 3122930	3-mercaptopyruvate sulfurtransferase	FQVVDAR SPEEIQR REFEE R VVWMFR VVWMFR ox RFQVVDAR FQGTQPEPR LLDASWYLPK AQPEHVISQGR HIPGAAFFDIDR ALVSAQWVAEALK AAGRFQGTQPEPR THEDILENLAR YWLSQNLPISSGK THEDILENLDARR AFGHHSVSLDGGFR ALVSAQWVAEALKSPR ASQPLKLLDASWYLPK SPSEPAEFCAQLDPSFIK DGIEPGHIPGSVNIPFTEFLTSEGLEK AFGHHSVSLDGGFRYWLSQNLPISSGK DGIEPGHIPGSVNIPFTEFLTSEGLEKSPEEIQR
gi 398962	3-oxo-5-beta-steroid 4-dehydrogenase	TAIDEGYR TQAQVLR SLGVSFNFR HIDGAYVYR SLGVSFNRRR NEHEVGPAIR REEIFYCGK YNKTQAQVLR QLEVILNKPLK NEHEVGAIRESK RQLEVILNKPLK SNLCATWEALEACK IKENFQIFDFSLTK TAIDEGYRHIDGAYVYR LWSTDHDP MVRPALER ox LWSTDHDP MVRPALER ox SNLCATWEALEACKDAGLVK YKPV TNQVECHPYFTQTK
gi 8393557	4-hydroxyphenylpyruvate dioxygenase [Fragment]	EMGDHLVK ox MGFEPLAYK TEDIHTIR MGFEPLAYK ox MPINEPAPGR QAASFYCNK AFEEEEQALR MPINEPAPGR ox EVVSHVIKQGK MPINEPAPGRK ox FLPGFEAPTYK GNLTDL ETNGVR SIVVANYEESIK EPWVEEDKFGK

		<p>GMEFLAVPSSYYR  GMEFLAVPSSYYR ox  GNLTDLETNGVRSGM  GLETGSREVVSHVIK  IVFVLCALNPWNK  IQVKENMDVLEELK ox  MGFEPLAYKGLTGSR  MGFEPLAYKGLTGSR ox  LFHHSVTFWVGNK  ERGMFLAVPSSYYR  ERGMFLAVPSSYYR ox  DIAFEVEDCEHIVQK  FAVLQTYGDTTHTLVEK  FLPGFEPTYKDTLLPK  GRFLHFHSVTFWVGNK  SQQEYVDYNGGAGVQHIALR  SIVVANYEESIKMPINEPAPGR  HGDGVKDIAFEVEDCEHIVQK  SIVVANYEESIKMPINEPAPGR ox  FAVLQTYGDTTHTLVEKINYTGR  SQQEYVDYNGGAGVQHIALRTEDIITIR</p>
gi 129378	60 kDa heat shock protein, mitochondrial precursor	<p>AAVEEGIVLGGCALLR  ALMLQGVDLLADAVAVTMGPK ox ox  APGFGDNRK  CEPQDAYVLLSEKK  GANPVEIRR  GEKAQIEK  GVMLAVDAVIAELKK  GVMLAVDAVIAELKK ox  GYISPYFINTSK  ISSVQSVPALEIANHR  KPLVIAEDVDGEALSTLVNLR  LNERLAK  LVQDVANNTNEEAGDGTATVTLAR  SIAKEGFEK  TLNDELEIIEGKMFDR ox  TVIIQSWGSPK</p>
gi 133063	60S acidic ribosomal protein P2	<p>NIEDVIAQGVGK  ILDSVGIEADDER  ILDSVGIEADDERLNK  YVASYLLAALGGNSNPSAK  VISELNGKNIEDVIAQGVGK  MRVYASYLLAALGGNSNPSAK ox  LASVPAGGAVAVSAAPGSAAPAAGSAPAAAAEEK</p>
gi 730581	60S acidic ribosomal protein PO (L10e)	<p>IIQLDDYPK  GHLENNPALEK  ATWKSNYFLK  CFIVGADNVGSK  TSFFQALGITTK  DMLLANKVPAAR  GTIEILSDVQLIK  SQYEQLAEQNRK  AIRGHLENNPALEK  TSFFQALGITTKISR  LLPHIRGNVGFVFTK  ISRGTIEILSDVQLIK  GNVGFVFTKEDLTEIR  GTIEILSDVQLIKTGDK  VLALSVETDYTFPLAEK  GHLENNPALEKLLPHIR  CFIVGADNVGSKMQQIR  CFIVGADNVGSKMQQIR ox VLALSVETDYTFPLAEKVK  AGAIAPCEVTVPAQNTGLGPEK  AFLADPSFAAAAAPVAAATTAAPAAAAAPAK  NVASVCLQIGYPTVASVPHSIINGYKR  AGAIAPCEVTVPAQNTGLGPEKTSFFQALGITTK</p>
gi 121570	78 kDa glucose-regulated protein precursor (GRP 78)	<p>AKFEELNMDLFR  AKFEELNMDLFR ox  ALSSQHQR  DAGTIAGLNVMR ox  DNHLLGTFDLTGIPPAPR  EFFNGKEPSR  ELEEVQPIISK  FEELNMDLFR ox  FLPFKVVEK  FPMVAAAALLLCAVR  GVPQIEVTFEIDVNGILR  IDTRNELESYAYSLK  IEIESFFEGEDFSETLTR  IINEPTAAAIAAYGLDKR  IPKIQQLVK  ITITNDQNRLTPEEIER  ITPSYVAFTPEGERLIGDAAK  KSQIFSTASDNQPTVTIK  KTKPYIQVDIGGGQTK  KVTHAVVTVPAYFNDAQR  LIGDAAKNQLTSNPENTVFDKAK  LTPEEIER  MKFPMVAAAALLLCAVR ox</p>

		NGRVEIIANDQGNR NKITITNDQNR NQLTSNPENTVFDAR NQLTSNPENTVFDAR QATKDAGTIAGLNVMR ox RALSSQHQR SDIDEIVLVGGSTR SQIFSTASDNQPTVTIK TFAPEEISAMVLTk ox TKPYIQVDIGGGQTK TWNDPSVQQDIK VTHAVVTPAYFNDAQR VYEGERPLTK
gij34854915	Ab2-225	AGVSVYGIIR INREVDVLR AYTTRSPVDAGK YLKQCHQAK NLIEWLNKYI TFSGQTHGFVHR TFSGQTHGFVHRK LKEHCIVNYQVK EDCSPADKPYIEEAR LDYGGMGQEVQVEHIK LDYGGMGQEVQVEHIK ox EDCSPADKPYIEEAR AVIVVQDIFGWQLSNTR AGVSVYGIIRDSESVYNLK SPVDAGKAVIVVQDIFGWQLSNTR
gij135757	Acetyl-CoA acetyltransferase, mitochondrial [Precursor]	IVVHLHALK LGTIAIQGAIEK FANEITPITISVK SQYEQLAEQNRK EEQDKYAGSYTR GKPDVVKEDDEEYK GATPYGGVKLEDLIVK TPIGSFLGSLASQPATK EVYMGNVIQGGEGQAPTR QATLGAGLPIATPCTTVNK VNVHGGAVSLGHPIGMSGAR EVYMGNVIQGGEGQAPTR ox VNVHGGAVSLGHPIGMSGAR ox QGEFGLASICNGGGASAVLIEKL DGLTDVYNKIHMGNCAENTAK ox IAAFADAADVPIDFPLAPAYAVPK QATLGAGLPIATPCTTVNKVCASGMK MLEIDPQKVNPHGGAVSLGHPIGMSGAR MLEIDPQKVNPHGGAVSLGHPIGMSGAR ox MLEIDPQKVNPHGGAVSLGHPIGMSGAR ox ox ENGTVTANASTLNDGAAAVVLMTEAAAQR ENGTVTANASTLNDGAAAVVLMTEAAAQR ox
gij38541404	Aconitase 2, mitochondrial	VAGILTVK DGYAQILR EGWPLDIR VDVSPTSQR NTIVTSYNR LNRPLTLSEK FNPETDFTGK RLNRPLTLSEK SQFTITPGSEQIR SQYEQLAEQNRK FKLEAPDADELPR ATIERDGYAQILR CTTDHISAGPWLK VAMSHFEPSEYIR VAMSHFEPSEYIR ox NAVTQEFQVPPDAR WVVIGDENYGEQSSR CKSQFTITPGSEQIR DINQEVYNFLATAGAK QGLLPLTFADPSDYNK LTGTLGWTSPKDVILK VGLIGSCTNSSYEDMGR VGLIGSCTNSSYEDMGR ox IVYGHLDPPANQEIER AKDINQEVYNFLATAGAK GHLDNISNLLIGAINIENGK VAVPSTIHCHEAQLGGKEK DVGGVLANACGPCIQWDRK SDFDPGQDTYQHPPKDSGQR VAMQDATAQMAMQLQFISSGLPK ox ox VAMQDATAQMAMQLQFISSGLPK ox ox ox FRGHLDNISNLLIGAINIENGK VAVPSTIHCHEAQLGGEKDLR NDANPETHAFVTSPEIVTALAIAAGTLK
gij15277503	Actin beta	IIAPPERK AGFAGDDAPR IKIIAPPER GYSFTTTAER EITALAPSTMK ox

		HQGVVVMGMGQK ox AVFPSIVGRPR HQGVVVMGMGQK ox ox DSYVGDEAQSQR QEYDESGPSIVHR LDLAGRDLTDYLMK GYSFTTTAEREIVR LDLAGRDLTDYLMK ox QEYDESGPSIVHRK ILTERGYSFTTTAER SYELPDGQVITIGNER VAPEEHPVLLTEAPLNPK DLYANTVLSGGTTMYPGIADR DLYANTVLSGGTTMYPGIADR ox LCYVALDFEQEMATAASSSSLEK ox TTGIVMDSGDGVTHTVPIYEGYALPHAILR ox
gij54036665	Actin, cytoplasmic 2	AGFAGDDAPR DLTDYLMK ox GYSFTTTAER EITALAPSTMK ox HQGVVVMGMGQK ox AVFPSIVGRPR HQGVVVMGMGQK oxox DSYVGDEAQSQR IWHHTFYNELR QEYDESGPSIVHR GYSFTTTAEREIVR LDLAGRDLTDYLMK ox QEYDESGPSIVHRK SYELPDGQVITIGNER VAPEEHPVLLTEAPLNPK MEEIEAALVIDNGSGMCK ox ox DLYANTVLSGGTTMYPGIADR DLYANTVLSGGTTMYPGIADR ox KDLYANTVLSGGTTMYPGIADR ox LCYVALDFEQEMATAASSSSLEK ox TTGIVMDSGDGVTHTVPIYEGYALPHAILR ox
gij1345696	Actin; F-actin capping protein alpha-2 subunit	LLLNNNDNLLR ICFKFDHLR EHYPNGVCTVYGK FTVTPSTTQVVGILK DIQDSLTVSNEVQTAK AYVKEHYPNGVCTVYGK IQVHYVEDGNVQLVSHK FIIHAPPGEFNEVFNDVR KVDGQQTIACIESHQFQAK
gij1345668	Actin-capping protein beta chain, splice form 1	TKDIVNGLR RLPPQIEK STLNEIFYGK LVEDMENKIR LVEDMENKIR ox SGSGTMNLGGSLTR SGSGTMNLGGSLTR ox IRSTLNEIFYGK LTSTVMLWLQTNK LTSTVMLWLQTNK ox LEVEANNAFDQYR VVGKDYLLCDYNR GCWDSIHVVEVQEK KLEVEANNAFDQYR DYLLCDYNRDGDSYR QMEKDETVSDCSPHIANIGR QMEKDETVSDCSPHIANIGR ox NLSDLIDLVPSLCEDLLSSVDQPLK
gij23956222	Actin-like protein 3	HNPVFGVMS ox FMEQVIFK ox LKLSEELSGGR EFSIDVGYER YSYVCPDLVK NIVLSGGSTMFR NIVLSGGSTMFR ox DYEEIGPSICR DITYFIQQLR KDYEEIGPSICR HGIVEDWDLMER ox LPACVVDCGTGYTK DREVGIPPEQSLETAK LKPYPIDVQVITHHMQR LKPYPIDVQVITHHMQR ox HIPIAGRDTITYFIQQLR
gij113016	Acyl-CoA dehydrogenase, long-chain specific, mitochondrial [Precursor]	MAARLLLR RLDSASASMAK RLDSASASMAK ox QGLLGINIAEK SGSDWILNGSK LPASALLGEENK IFSSEHDFR TVAHIQTVQHK

		<p>AGEVSRELWEK  RSGSDWILNGSK  RIFSSEHDFR  AGKQQLGINIAEK  LAELKTNICVTR  VQPIYGGTNEIMK  VQPIYGGTNEIMK ox  AQDTAELFFEDVR  AFVDSCLQLHETK  EQIEQFIPQMTAGK  EQIEQFIPQMTAGK ox  AFGKTVAHIQTVQHK  GFYYLMQELPQER  GFYYLMQELPQER ox  SPAHGISLFLVENGMK  AFVDSCLQLHETKR  SPAHGISLFLVENGMK ox  CIGAIAMTEPGAGSDLQGVR  CIGAIAMTEPGAGSDLQGVR ox  VQPIYGGTNEIMKELIAR  VQPIYGGTNEIMKELIAR ox  LLIADLAISACEFMFEETR</p>
gi 113018	Acyl-CoA dehydrogenase, medium-chain specific, mitochondrial [Precursor]	<p>ELNMGQR  IAMGAFDR  IAMGAFDR ox  GITFEDVR  NTYFASIAK  AAWEVDSGRR  ANWYFVLTR  LIIAREHIEK  ENVLIGEGAGFK  KGDEYVINGQK  GITFEDVRVPK  SGEYFPPLIKR  ALDEATKYALDR  TRPTVAAGAVGLAQR  VPKENVLIGEGAGFK  IYQIYEGTAQIQR  DAKIYQIYEGTAQIQR  AFTGFIVEADTPGIHIGKK</p>
gi 2492630	Acyl-CoA dehydrogenase, short/branched chain specific, mitochondrial [Precursor]	<p>LLTYNAAR  DTEGFQIGR  YAIGSLNEGR  GITCFLVDR  DTEGFQIGRR  MAVSAFQLWR  YYASEVAGLTTSK  CIEWMGGVGYTK ox  ASSTCQLTFENVK  HGTEEQKATYLPK  ADKSGNYVINGSK  IGHGYKYAIGSLNEGR  LVEAGRPFIEASMAK ox  LGSFCLSEAGAGSDSFALK  IGTIYEGTSNIQLNTIAK  VDASVALLCDIQNTVINK  FAQEQAIPLVSTMDENSK ox  SVIQGLFQQGMMGIEVEAK ox GITCFLVDRDTEGFQIGR  SVIQGLFQQGMMGIEVEAK ox ox KFAQEQAIPLVSTMDENSK  ox  VDASVALLCDIQNTVINKLFR  ASSTCQLTFENVKVPETSVLGK  FAQEQAIPLVSTMDENSKMEK ox ox  IFDFQQLQHVAHVATQLEAAR</p>
gi 1168286	Acyl-CoA dehydrogenase, short-chain specific, mitochondrial [Precursor]	<p>LVIAGHLLR  IAMQTLDMGR  IAMQTLDMGR ox  QTCRDFAEK  IAMQTLDMGR ox ox  LADMALAESAR  LADMALAESAR ox  QQWITPFTNGDK  ASSTANLIFEDCR  ITEIYEGTSEIQR  HAFGAPLTKLQNIQFK  GISAFVPMPTPGLTLGK ox  ASSTANLIFEDCRIPK  GISAFVPMPTPGLTLGKK ox  IGIASQALGIAQASLDCAVK  FGSSQKQQWITPFTNGDK  GCASTGVIMSVNNSLYLGPILK  GCASTGVIMSVNNSLYLGPILK ox  ELVPIAAQLDKHELFPTSQVK  IGIASQALGIAQASLDCAVKYAENR  LAASEAATAISHQAIQILGGMGYVTEMPAER ox</p>
gi 543829	Adenine phosphoribosyltransferase	<p>IDYIAGLDSR  SFPDFPIPGVLFRR  LGPVPPFSLQYE  AELEIQKDALEPGQK</p>

		<p>           STHGGKIDYIAGLDSR            IRSFPDFPIPGVLFK            EKLGPVFFSLQYE            AEVVECVSLVELTSLK            GKLPPTVSASYSLEYGK            AEVVECVSLVELTSLKGR            GFLFGPSLAQELGVGCVLIR            GFLFGPSLAQELGVGCVLIRK            VVIVDDLATGGTMCAACELLSQLR            VVIVDDLATGGTMCAACELLSQLR ox         </p>
gi 6840800	Adenosine kinase	<p>           FGEILKSK            AGHYAASVIIR            AATFFGIGIDK            AGHYAASVIIR            SLVANLAAANCYK            VAQWMIQEPHR ox            TGCTFPEKPNFH            SLVANLAAANCYKK            RTGCTFPEKPNFH            HLDLENNWMLVEK            HLDLENNWMLVEK ox            FKVEYHAGGSTQNSMK            FKVEYHAGGSTQNSMK ox            EKHLLENWMLVEK            AATFFGIGIDKFGIILK            VYYIAGFFLTVSPESVLK            AADAHVDAHYYEQNEQPTGTCAACITGGNR         </p>
gi 13096481	Adenosylhomocysteinase	<p>           AGIPVFAWK            HPQLLSGIR            ESLIDGIR            FDNLYGCR            VNIKPQVDR            WLNENAVEK            VADIGLAAWGR            VADIGLAAWGRK            SKFDNLYGCR            GCAQALRGFGAR            KLDEAVAEHLGK            EMYSASKPLKGR            EMYSASKPLKGR ox            ALDIAENMPGLMR            ALDIAENMPGLMR ox            VNIKPQVDRYLLK            ALDIAENMPGLMR ox ox            GISEETTTGVHNLK            KALDIAENMPGLMR            KALDIAENMPGLMR ox            KALDIAENMPGLMR ox ox            VAVVAGYGDVKGKCAQALR            EGNIFVTTGCVDIILGR            WSSCNIFSTQDHAATAIAK            MMANGILKVPAINVNDVTK ox            MMANGILKVPAINVNDVTK ox ox            WLNENAVEKVNKPQVDR            DGPLNMLDDGGDLTNIHTK            DGPLNMLDDGGDLTNIHTK ox            QAQYLGMPINGPFKPDHYRY            QAQYLGMPINGPFKPDHYRY ox            IAGCLHMTVETAVLIETLVALGAEVR ox         </p>
gi 266401	Adenylate kinase isoenzyme 2, mitochondrial	<p>           NGFLLDGFPR            SYHEEFNPPK            APNALAPEPEHPK            LVSDVMVVELIEK ox            AVLLGPPGAGKGTQAPK            EAMKDDITGEPLIR ox            APNALAPEPEHPKGR            LEAYHTQTTPVVEYR            LAENFCVCHLATGDMR ox            EKLDVIEFSIQDSLIR            TRLEAYHTQTTPVVEYR            GIHCAIDASQTPDVVFASILAFAFK         </p>
gi 6707705	Adenylate kinase isoenzyme 4, mitochondrial	<p>           RWHPSSGR            GLLVPDHVTR            SAQHWLLDGFPR            GVLHQFSGTETNR            YKDAAKPVIELYK            AVILGPPGSGKGTVCER            IAQNFGQLHLSGHLR            IAQNFGQLHLSGHLRNLK            VYNLDFNPPQVLGVDITGEPLVQEDDKPEALAAR         </p>
gi 34859421	Adipocyte plasma membrane-associated protein ( DD16 )	<p>           RYVYSLGMLK ox            LFSQETVMK            LFSQETVMK ox            GLFEVNPQKR            LENGIETIAR            LLLSSETPIEGK            MSFVNDLTIIR ox            LLLSSETPIEGKK         </p>

		KMSFVNDLTITR ox YSLVLEVSDSGAFR VVKLENGEIIETIAR YSLVLEVSDSGAFRR TRDDEPTCGRPLGIR ANPGFSMLDFLSDKPFIKR ox
gi 19705537	Aflatoxin B1 aldehyde reductase member 2	SQLETSLKR RMDASASAATVR ox QVETELLPCLR FFGNSWSETYR WMYHHSQLQGTR WMYHHSQLQGTR ox FYAYNPLAGLLTGK TTYGTSAPSM TSAALR TTYGTSAPSM TSAALR ox ANPWDGKSLKPDsvr FYAYNPLAGLLTGKyr ALKTTYGTSAPSM TSAALR AVSGAPLRPGTVLGTMEMGR ox AVSGAPLRPGTVLGTMEMGR ox ox AVSGAPLRPGTVLGTMEMGR ox AVSGAPLRPGTVLGTMEMGR ox ox VDLFYLHAPDHGTPIVETLQACQQLHQEGK
gi 34872430	Agmatinase, mitochondrial [Precursor]	EESLMLGTVNPSTGALPFQSLR ox EHGPVGLVHVGAHSNTSDKPLEDK EHGPVGLVHVGAHSNTSDKPLEDKVYHR IREESLMLGTVNPSTGALPFQSLR IREESLMLGTVNPSTGALPFQSLR ox RVVQIGIR SAGSGVVTWR SLVPLMAEIR SLVPLMAEIR ox SQGFRVVAEDCWMK SQGFRVVAEDCWMK ox SVDEGLLDSK SVDEGLLDSKR TLDPRYRSR VADLGNVNVNLYNLQDSCR VVAEDCWMK VVAEDCWMK ox VYHRTPF
gi 51980635	Alanine--glyoxylate aminotransferase 2, mitochondrial precursor	AYSNHTDIISFR CSCAPDGCQAKER DSPVQTVRK EAFALVR EAFALVRER EFLKEAFALVR ERGGVCIADDEVQTGFGR GAYHGCSPYTLGLTNVGIYK GGNFSQTFR GGVCIADDEVQTGFGR GIGNGFPMAAVVTTPEIASSLAK ox GLMVGIEMVQDKISR ox GLMVGIEMVQDKISR ox ox GPWGGSHCRDSPVQTVR ox LGSHFWGFQTHDTPDIVTMAK ox LRDEFDIVGDVR NSQEVGTYMLLK NSQEVGTYMLLK ox SALTQHMER SALTQHMER ox SALTQHMER SALTQHMER ox TEVNIHEDCKDMGLLVGR TEVNIHEDCKDMGLLVGR ox
gi 1703237	Alcohol dehydrogenase [NADP+]	AAIKYALSVGYR ALGLSNFSSR AVPREELFVTSK AWRHPDEPVLEEPVVLALAEK DAGHPLYPFNDPY GLEVTAYSPLGSSDR GLVKALGLSNFSSR HGRSPAQLLR HHPEDVEPAVR HIDCASVYGNETEIGEALK HIDCASVYGNETEIGEALKESVGAGK HPDEPVLEEPVVLALAEK LWNTKHHPEDEVPAVR MPLIGLGTWK MPLIGLGTWK ox MPLIGLGTWKSEPGQVK MPLIGLGTWKSEPGQVK ox SPAQLLRWQVQR YALSVGYR YDSTHYKETWK YIVPMITVDGK YIVPMITVDGK ox YIVPMITVDGKR ox
gi 113392	Alcohol dehydrogenase A chain	AAVLWEPHKPFTIEDIEVAPPK

		DAVPKLVADFMAK GALLDGTSR GKPIHHFISTSTFSQYTVVDDIAVAK HPESNLCCQTK ICKHPESNLCCQTK IDAAAPLDKVCLIGCFSTGYGSAVQVAK INEAFDLLR KFPLEPLITHVLPFEK LVADFMAK ox TWKGAIFFGFK VIPLFSPQCGK
gi 21312260	Aldehyde dehydrogenase 1 family, member	GFFIKPTVFGDVQDGMRIAK ox KTFTVNPTTGEVIGHVAEGDR LADLVERDR LAPALATGNTVVMK LAPALATGNTVVMK ox TFPTVNPTTGEVIGHVAEGDR TIPMDGEHFCFTR TIPMDGEHFCFTR ox TVTIVPEK VAEQTPLSALYLASLIK VAFTGSTEVGHLIQK VGNPFELDTQQGPQVDKEQFER VYLASLETLDNGKPFQESYVLDLDEVIK YFAGWADK YFAGWADKWHGK YGLAAAVFTR
gi 11968144	Aldehyde dehydrogenase 1 family, member L1	LIAEGTAPR LSDHPDVR FLFPEGIK EFIQLLVR LSDHPDVRK MMPASQFFK IGFTGSTEVGK MMPASQFFK ox VVEVEKMK ox TDVAAPFGGFK MMPASQFFK oxox EFIQLLVRK EAFENGLWGK KIGFTGSTEVGK ARGQALPEVVAK FADGDVDAVLSR THVGMSIQTFR THVGMSIQTFR ox EESFGPIMIISR EESFGPIMIISR ox LQAGTVFINTYNK GASAINWTLIHGDK HGSIIYHPSLLPR SPLIIFADCDLNK ANATEFGLASGVFTR GVVNILPGSGSLVGQR DLGEAALNEYLRK GASAINWTLIHGDKK IGFTGSTEVGKHKIMK ox DTNHGPQNHEAHLR IQGATIPINQARPNR LFVEESIHNFVQK DTNHGPQNHEAHLR CPQSEEGATYEGIQKK EGHEVVGVTIPDKDGK ILPNVPEVEDSTDFFK INWDQPAEAIHNWIR ECEVLDDTSTLYNR QSGFGKDLGEAALNEYLR NIQLEDGKMPASQFFK ox NIQLEDGKMPASQFFK oxox IAVIGQSLFGQEVYQQLR GSASSDLELAEALATAEAVR IAVIGQSLFGQEVYQQLRK ALYVSDKLQAGTVFINTYNK GGFTIFWADDGLDTGDLQLK AVQMGMSVFFNKGENCIAAGR AVQMGMSVFFNKGENCIAAGR ox IGNPLERDTNHGPQNHEAHLR LTLQMPYQLFIGGEFVDAEGSK ox TAACLAAGNTTVVIKPAQVTPLTALK
gi 11560095	Aldehyde dehydrogenase family 9, subfamily A 1	AAFKIWSK AFEPATGREIATFK AGAPNGLFNVVQGGAAATGQFLCQHR AGAPNGLFNVVQGGAAATGQFLCQHRDVAK ANDTTFGLAAGVFTR CQVLLAAR CSGEKEVNLAVENAK EIADAFTEKVVV ENGRVTIEYYSQK EQGATVLCGGEPYAPEDPKLK GALLANFLTQGVCCNGTR GGARVEPVDASGTEK

		GIKPITLELGGK GIKPITLELGGKSPLIIFSDCNMK GIKPITLELGGKSPLIIFSDCNMK ox IGDPLELDT MGPLINAPHLER ox MGPLINAPHLERVLGFVR ox NAVKGALLANFLTQGGVCCNGTR RDELAIMETINNGK REPLGVCLGIGAWNYPFQIACWK SGFGRENGR SPLIIFSDCNMK VAAELQAGTCYINNYVSPVELPFGGYKK VEPVDASGTEKAFEPATGR VFVQKEIADAFK VSFTGSVPTGMK VSFTGSVPTGMK ox VTIEYYSQLK
gj 118505	Aldehyde dehydrogenase, mitch.precursor	AAFQLGSPWR AAFQLGSPWRR ANNSKYGLAAAVFTK CLRYAGWADK DGMTIAKEEIFGPMQILK ox DGMTIAKEEIFGPMQILK ox ox EEIFGPMQILK ox ELGEYGLQAYTEVK FKTIEEVVGR GYFIQPTVFGDVK HEPVGVCQIIPWNFLLMQAWK LADLIERD LGPALATGNVVVMK LGPALATGNVVVMK ox LLCGGGAADR LLCGGGAADRGYFIQPTVFGDVK MDASDRGR ox MSGSGRELGEYGLQAYTEVK MSGSGRELGEYGLQAYTEVK ox RVTLELGGK SRVVGNPFDSDR TEQGPQVDETQFK TEQGPQVDETQFKK TFPTVNPSTGEVICQVAEGNK TFPTVNPSTGEVICQVAEGNKEDVDK TFVQEDVYDEFVER TIEEVVGR TIPIDGDFFSYTR TYLAALETLDNGKPYVISYLVLDLDMVLK ox VAEQPTLALYVANLIK VAFTGSTEVGHLIQVAAGSSNLKR VVGPNFDSR VVGPNFDSRTEQGPQVDETQFK YGLAAAVFTK YYAGWADKYHGK
gj 21450291	Aldolase 2, B isoform	ALNDHHVYLEGTLKPNMVTAGHACTK ALNDHHVYLEGTLKPNMVTAGHACTK ox ALQASALAAWGGK ATQEAFMKR ATQEAFMKR ox CPLPRPWK CPLPRPWKLSFSYGR DGVDFGKWR ELLSVDNSISQSIGGVILFHETLYQK ELSEIAQR ETTIQGLDGLSER GILAADESVGTMGNR GILAADESVGTMGNR ox GIVVGIKLDQGGAPLAGTNK KYTPQVAMATVTALHR KYTPQVAMATVTALHR ox LDQGGAPLAGTNK LDQGGAPLAGTNKETTIQGLDGLSER LSFSYGR TVPAAVPGICFLSGGMSEEDATLNLNAINR TVPAAVPGICFLSGGMSEEDATLNLNAINR ox YTPEQVAMATVTALHR YTPEQVAMATVTALHR ox
gj 22096350	Alpha enolase	AAVPSGASTGIYEALERL AAVPSGASTGIYEALERLNDNDK AGAVEKGVPLYR AGKYDLDFK AGYTDQVVIGMDVAASEFYR AGYTDQVVIGMDVAASEFYR ox AVEHINKTIAPALVSK DATNVGDEGGFAPNILENK DATNVGDEGGFAPNILENKEALELLK EAMRIGAEVYHNLK ox EIFDSRGNPTVEVDLYTAK FGANAILGVSLAVCK FTATAGIQVVGDDLTVTNPK FTATAGIQVVGDDLTVTNPKR GNPTVEVDLYTAK

		IGAEVYHNLK IGAEVYHNLKNVIK LAKYNQILR LAMQEFMILPVGASSFR LAMQEFMILPVGASSFR ox ox LAQSNWGVVMVSHR ox SCNCLLLK SFIKDYPVVSIEDPFDQDDWDAWQK SFRNPLAK SGETEDTFIADLVVGLCTGQIK TGAPCRSER VNQIGSVTESLQACK YDLDFKSPDDASR YGKDATNVGDEGGFAPNILENK YITPDQLADLYK YNQLRIEEELGSK
gi 27762594	Alpha tubulin	AFVHWYVGEEMEEGFSEAR ox AVCMLSNTTAIAEAWAR AVCMLSNTTAIAEAWAR ox AVFVLEPTVIDEVR AVFVLEPTVIDEVRTGTYSR AYHEQLSVAEITNACFEPANQMVK AYHEQLSVAEITNACFEPANQMVK ox EDAANNYAR EIIDLVLDRIR FDGALNVDLTFQTNLVPYPR GHYTIGKEIDLVLDR HGKYMACECLLYR ox IHFPLATYAPVISAER LDHKFDLMYAK ox LISQIVSSITASLR NLDIERPTYTNLNR QLFHPEQLITGK QLFHPEQLITGKEDAANNYAR SIQFVDWCPTGFK TIGGGDDSFNTFFSETGAGK TIGGGDDSFNTFFSETGAGKHVPR VGINYQPPTVPPGDLAK VGINYQPPTVPPGDLAKVQR YMACCLLYR YMACCLLYR ox
gi 112889	Alpha-1-antiproteinase[Precursor]	AVLTLDERGTEAAGATVVEAVPMSLPPQVK ox DADFHVDKSTTVK FDHPFIFMVESETQSPLFVGK ox GTEAAGATVVEAVPMSLPPQVK ox ISSNLADEFASLYR KISSNLADFAFSLYR LSISGTYNLK LSISGTYNLKTLLSSLGITR NLKLVK RPFNPEHTR TLLSSLGITR VFNNADLSGITDAPLK VFNNADLSGITDAPLKLSQAVHK VINDYVEKGTQGK WKRPFNPEHTR
gi 13123941	Alpha-actinin 4	QQSNEHLRR GISQEQMQEFR ox VGWEQLTTIAR TINEVENQLTR LSNRPAPMPSEGR ox TIPWLEDRVPQK LVSIGAEIIVDGNK ELPPDQAEYCIAR HRPELIEYDKLR CQLEINFNTLQTK DYETATLSDIKALIR QLETIDQLHLEYAKR ASFNHFDKDHGGALGPPEEFK
gi 13637497	Alpha-methylacyl-CoA racemase	ADVLLEPFR ADVLLEPFRCGVMEK ox FADVFAK GQNLLDGGAPFYTTYK GSFITDEEQHACPRPAPQLSR LGSVNHPSHLAR LQLGPETLR LQLGPETLRQDNPK LSGFGQSGIFSK QDNPCLIYAR TQAMGLWAQPR ox VAGHDINYVALSGVLSK VAGHDINYVALSGVLSKIGR
gi 6981682	Alpha-tocopherol transfer protein	AECPELSADLHPR AIFDLEGWQISHAFQITPSVAK ARDFDLDAWR DFDLDAWR GIHLINPEVIFHAVFSMIKPLTEK ox IAAVVTDSFPLKVR

		IHLHGNNYK ISYWDPKVFTAYDVFR QLNEQPDHSPLVQPLAELR QLNEQPDHSPLVQPLAELRR SILGLLKAGYHGVLK VSLITSELIVQEVETQR WRAECPELSADLHPR
gi 34865868	Aminoacylase 1	AGFALDEGLANPTDAFTVFYSER AVGIPALGFSPMNR AVGIPALGFSPMNR ox DSEGYIYAR EMNLTLEPEIFPAATDSR EMNLTLEPEIFPAATDSR ox FIEDTAAEKLHK GAQDMKSVSIQYLEAVR ox GMELFVKRPEFQALR ox GPESEHPSVTLFR GPESEHPSVTLFRQYLR GVDIYTRLVAALASVPALPGES ICTVQPNPDYGSVTFLEERAR LEGGVAYNVVPATMSACFDFR ox LHEAVFLR LHEAVFLRGVDIYTR LQANPHLKEGAVTSVNLTK QLQSWCQEAGEGVTFEFAQK QRLQANPHLK RPEFQALR SEGHRFPR SPWWIRVTSTGKPGHASR SVSIQYLEAVR SVSIQYLEAVRR TIHMTFVPDEEVGGHK TIHMTFVPDEEVGGHK ox TIHMTFVPDEEVGGHKGMELVK ox ox TPVLLHDHNER TPVLLHDHNERLHEAVFLR VAPDVMKAFEK VAPDVMKAFEK ox VTSTGKPGHASR VVNSILAFR VVNSILAFREK
gi 51980303	Annexin A3	ADLKGDSLGHFEHVMVALITAPAVFDAK CTRNTPAFLAGR DAQTLYDAGEKK DIEDSIKGEISGHFEDLLAVVR EISQAYYTAYKK GAGTDEFTLNR GAGTDEFTLNRIMVSR ox GELSGHFEDLLAVVR GIGTDEKTLINILTER GMGTDEDTLIEILTTR GMGTDEDTLIEILTTR ox GTINNYPGFNPSVDAEAIR HYGCSLYSAIQSDTSGDYR IITHPNFNGNTLDNDIM(ox)LIK KHYGCSLYSAIQSDTSGDYR LHQALKGAGTDEFTLNR LTFDEYR NLRDDISSETSGDFR NTPAFLAGR QYQEAQEALQK SEIDLLDIRR SMRGMGTDEDTLIEILTTR ox ox TLINILTER WGTDEDKFTIELCLR
gi 26024200	Annexin A4	AASGFNATEDAQVLR AASGFNATEDAQVLRK AMKGLGTDEDIIGVLACR ox FLSILCSR GAGTDEGCLIEILASRNPEEIR GGTVKAASGFNATEDAQVLR GLGTDDSTLIR GLGTDDSTLIRVMVSR ox GLGTDEDIIGVLACR INQTYQQQYGR ISQKIEQSIK NHLLHVFDEYKR NKPAYFAER NTAQRQEIR RINQTYQQQYGR SETSGSFEDALLAIVK SLEEDICSDTSFMFQR SLEEDICSDTSFMFQR ox SLYSFIKGDTSGDYR VLLILCGGDD VLVSLTAGGR
gi 13994159	Annexin A6	AINEAYKEDYHK ALIEILATR CLIEILASR

		DLMADLKSEISGLAR DLMADLKSEISGLAR ox FMTVLCTR FMTVLCTR ox GFGSDKESILELITSR GIGTDEATHDIITQR IAQGAMYR ox LILGLMPPAHYDAK ox ox LIVNLMRPLAYCDAK LIVNLMRPLAYCDAK ox LVFDEYLK MLVVLLQGTR MLVVLLQGTR ox NKPLFFADK NKPLFFADKLYK RVFQEFK SEIDLLNRR SELDMLDIREIFR SELDMLDIREIFR ox STPEYFAER SYPHLRR VFQEFKK
gij6978515	Apolipoprotein A-I	AKFGLYSQMR AKFGLYSQMR ox AKPALDDLGGQLMPVLEAWK AKPALDDLGGQLMPVLEAWK ox DSGRDYVSQFESSTLGK DYVSQFESSTLGK FGLYSQMR FGLYSQMR ox FGLYSQMRNLAQR FGLYSQMRNLAQR ox HLKVVAEER IMSMIDEAK ox ox LEPLGTELHK LTEIKNHPTLIEYHTK MQPHLDEFQEK ox MQPHLDEFQEKWNEEVEAYR MQPHLDEFQEKWNEEVEAYR ox MRVNADALR ox NEMNKDLENVK NEMNKDLENVK ox NHPTLIEYHTK QKLEPLGTELHK QLNLLNLDNWDTLGSTVGR VKDFATVYVDAVK VVAEEFRDR WNEEVEAYR WNEEVEAYRQK
gij8392909	Apolipoprotein A-IV precursor	ANELKATIDQNLEDLR ATIDQNLEDLR ATIDQNLEDLRSR AVEPLGDKFNMALVQQMEK ox AVEPLGDKFNMALVQQMEK ox ox EKVSFSTLQK ox FNQNMGLKGLTPR FNQNMGLKGLTPR ox FRQQLGSDSGDVESHLSFLEK KGSPDQPLALPLPEQVQEVEQVQPKPLES LAPLAEGVQEK LGNINTYADDLQNK LKGNTEGLQK LQEHLRPYATDLQAQINAQTQDMKR ox LVPFVAVQLSGHLTK LVPFVAVQLSGHLTKETER MQTTIQDNVENLQSSMVPFANELKEK ox ox NLAPLVEDVQSK QLDQVEVFRR QLTPYIQR QQLGSDSGDVESHLSFLEK SLEDLNKQLDQQVEVFR TDVTQQLNLFQDK VSQMFQDNVQK ox VSSFSTLQK ox VSTNIDQLQK
gij37805241	Apolipoprotein E	AQALSDRIR ELEEQLGPVAEETR ELEEQLGPVAEETRAR ERLGPLVEQGR GRLEEVGNQAR IQASVATNSIASTTVPLENQ LAKEVQAAQAR LAVYKAGAQEGAER LGADMEDLRNR LGADMEDLRNR ox LGPLVEQGR LGQYRNEVNTMLGQSTEELR LGQYRNEVNTMLGQSTEELR ox LQAEIFQAR NEVNTMLGQSTEELRSR ox

		SKMEEQTQQR SKMEEQTQQR ox TANLGAGAAQPLRDR
gi 114146	Arginase1	ANEQLAAVVAETQK DHGDALAFVDVPNDSPFQIVK DHGDALAFVDVPNDSPFQIVKNPR DIVYIGLR DIVYIGLRDVPGEHYIHK DVPDGEHYIHK EGLYITEEYK EGLYITEEYKTGLLSGLDIMEVNPTLGK ox EGNHKPETDYLKPPK FPDVPGFSWVTPCISAK GGVEKGPAALR LKETEYNVR NGTISVVLGGDHSMAGSISGHAR NGTISVVLGGDHSMAGSISGHAR ox RPIHLSFDVDGLDPVFTPATGTPVVGGLSYR SVGKANEQLAAVVAETQK TGLLSGLDIMEVNPTLGK TGLLSGLDIMEVNPTLGK ox TGLLSGLDIMEVNPTLGKTPPEVTR TGLLSGLDIMEVNPTLGKTPPEVTR ox TVNTAVALTLSCFGTK TVNTAVALTLSCFGTKR VMEETFSYLLGR VMEETFSYLLGR ox VMEETFSYLLGRK YFSMTEVDKLGIGK YFSMTEVDKLGIGK ox
gi 114160	Argininosuccinate lyase	FAGSVDPTMDK FNSSIAYDRHLWNVDLQGSK VAEewaQGIFK LHTGRSR LSTFLKVLIEAMVDR LYPNDEDIHTANER LYPNDEDIHTANERR AVVVAEMK
gi 25453414	Argininosuccinate synthase	APNTPDVLEIEFKK DGTTHSTSLDLFMYLNEVAGK IITHPNFNGNTLDNDIM(ox)LIK DGTTHSTSLDLFMYLNEVAGK ox DGTTHSTSLDLFMYLNEVAGKHGVGR DGTTHSTSLDLFMYLNEVAGKHGVGR ox FAELVYTGFWHSPCECFVR FELTCYSLAPQIK GIYETPAGTILYHAHLDIEAFTMDREVR GIYETPAGTILYHAHLDIEAFTMDREVR ox GNDQVRFELTCYSLAPQIK ox LGEHNIDVLEGNQFINAAK QVYILGR GRNDLMEYAK GRNDLMEYAK ox HCIDKSQER HGVGRIDIVENR IDIVENR IDIVENRFIGMK IDIVENRFIGMK ox KQVEIAQR LKEYHR MPEFYNR MPEFYNR ox MPEFYNRFK MPEFYNRFK ox NQAPPGLYTK NQAPPGLYTKQDPAK QGLGLKFAELVYTGFWHSPCECFVR QHGIPIVTPK QVEIAQR TQDPAKAPNTPDVLEIEFK VIAPWRMPEFYNR VIAPWRMPEFYNR ox VQVSVFKGQVYILGR YLLGTSLARPCIA YVSHGATGK YVSHGATGKGNQVR
gi 18376837	Arsenite methyltransferase	AYLEYHTEK CQVVYNGGIMGHEK ox DAEIHKDVQNYGNVVK DCYVLSQLVGQK EGEAVEVDEETAAILR ILDGSGSGR KSLQNVHEEVISR LVTANIITVGNKELER SLQNVHEEVISR VIIRDPFK VLREYQVLK YYGCGLVPEHLENCR

gi 1091600	Aryl sulfotransferase	CGRAPIYAR CPGVPSGLETLEETPAPR DVVVSYYNFYNMAK ox HTHPVLYLFYEDIKENPK KILEFLGR LLKTHLPLSLLPQSLDQK NAKDVVVSYYNFYNMAK NAKDVVVSYYNFYNMAK ox NTFTVAQNERFDAHYAK SGTWWMSEILDMIYQGGKLEK ox ox SLPEETVDSIVHHTSFK SLPEETVDSIVHHTSFKK THLPLSLLPQSLDQK THLPLSLLPQSLDQKVK TMTDCDFKFR TMTDCDFKFR ox VKVIYIAR VPFLFKCPGVPSGLETLEETPAPR
gi 27681359	Arylacetyl acyl-CoA N-acyltransferase	AQGLISHIYAQTLVMDKR AQGLISHIYAQTLVMDKR ox GYPVYNHTEK LSSLDVTHAALVDKFWQFGGSER LVPFLEDTENLDRNPGRR QCLAFGLTPDVINWK QHLQISSQSSLNEAITDFAAGKK RGYPVYNHTEK SSQMLQMLESSLR ox ox SSQMLQMLESLRK ox SSQMLQMLESLRK ox ox TQCILYMPETAKK ox ox VYGTVFHMNQGNPFK ox
gi 38197390	Aspartate aminotransferase, cytoplasmic	APPSFFAQVPQAPPVLFVK HIYLMPSGR HIYLMPSGR ox IANDHSLNHEYLPILGLAEFR IGADFLGR ITWSNPPAQGAR KVNLGVGAYR LIADFRDDPDR NFGLYNER NLDYVATSINEAVTKFQ QVEYLVNEKHLYLMPSGR SCASQLVLGDNSPALR SCASQLVLGDNSPALRENR TDDSQPWVLPVVR VGGVQSLGGTGALR VGNLTVVGKEHDSVLR VLSQMEKIVR ox VNLGVGAYR YWDAEKR
gi 6980972	Aspartate aminotransferase, mitochondrial [Precursor]	ASAEALGENSEVLK ASAEALGENSEVLKSGR DAGMQLQGYR DAGMQLQGYR ox DDNGKPYVLPVSR DVFLPKPSWGNHTPIFR EFSVYMTK EFSVYMTK ox FVTVQTISGTGALR HFIEQGINVCLCQSYAK IAATILTSPDLR IAATILTSPDLRK IISMRTLQVSNLK ILIRPLYSNPPLNGAR ISVAGVTSNGVGYLAHAHQVTK KMNLGVGAYR KMNLGVGAYR ox KQWLQEVK LTKEFSVYMTK LTKEFSVYMTK ox MNLGVGAYR ox MNLGVGAYRDDNGKPYVLPVSR ox NLDKEYLPIGGLADFCR NMGLYGER ox QWLQEVK SGRFVTVQTISGTGALR TCGDFSGALEDISK TQLVSNLKK VGAFTVVCK VGAFTVVCKDAEEAK VGASFLQRFK
gi 114523	ATP synthase alpha chain,mitochondrial[Precursor][Fragment]	AVDSLVPIGR AVDSLVPIGRQQR DNGKHALIYDDLK EAYPGDVLYLHSR ELIIGDRQTGK EVAFAQFGSDDAATQQLSR FESAFLSHVVSQHQSLLGNIR GIRPAINVGLSVSR

		GMSLNLEPDNVGVVVFNDKLIK ox GVRLTELLK HALIHYDDLK ILGADTSVDLEETGRVLSIGDGIAR ISVREPMQTGIK ISVREPMQTGIK ox ITKFESAFLSHVVSQHQSLGNIR LYCIYVAIGQK LYCIYVAIGQKR NVQAEEMVEFSSGLK NVQAEEMVEFSSGLK ox QAVAYRQMSLLLR ox QGQYSPMAIEEQVAVIYAGVR QGQYSPMAIEEQVAVIYAGVR ox QTGKTSIAIDIINQK QVAGTMKLELAQYR QVAGTMKLELAQYR ox RPPGREAYPGDVFLHSR RTGAIVDVVPVGDPELLGR TGAIVDVVPVGDPELLGR TGTAEEMSSILEER TSIAIDIINQK TSIAIDIINQKR VGLKAPGIIPR VLSIGDGIAR VVDALGNAIDGKGPVGSK
gi 114562	ATP synthase beta chain,mitochondrial[Precursor]	ADKLAEEHGS AHGGYSVFAGVGER AIAELGIYPAVDPLDSTSR EGNDLYHEMIESGVINLK ox EGNDLYHEMIESGVINLKDATSK ox ESRLVLEVAQHLGESTVR FLSQPFQVAEVFTGHMGK ox FTQAGSEVSALLGR GGKIGLFGGAGVGK IGLFGGAGVGK IGLFGGAGVGKTVLIMELINNVAK IMDPNIVGSEHYDVAR IMDPNIVGSEHYDVAR ox IMNVIGEPIDER ox IMNVIGEPIDERGPIK ox IPSAVGYQPTLATDMGTMQER IPSAVGYQPTLATDMGTMQER ox IPSAVGYQPTLATDMGTMQER ox ox LSLVGRVASASASGALR LVLEVAQHLGESTVR LVPLKETIK SLQDIILGMDLSEEDKLTVSR SLQDIILGMDLSEEDKLTVSR ox TIAMDGTGLVR TIAMDGTGLVR ox TIAMDGTGLVRGQK ox TREGNDLYHEMIESGVINLK TREGNDLYHEMIESGVINLK ox TVLIMELINNVAK ox VALTGLTVAEYFR VALVYGMNEPPGAR VALVYGMNEPPGAR ox VLDSGAPIKIPVGPETLGR VVDLLAPYAK
gi 1352051	ATP synthase D chain, mitochondrial	AIGNALKSWNETFHTR ANVDKPLVDDFK ANVDKPLVDDFKNK EDVKNC AQFVTGSQAR IKNMIPFDQMTIDDLNEVFPETK ox ox KYPYWPHQPIENL LASLSEKPPAIDWAYYR NCAQFVTGSQAR NMIPFDQMTIDDLNEVFPETK ox ox SWNETFHTR TIDWVSFVEIMPQNQK TIDWVSFVEIMPQNQK ox YNALKIPVPEDK YPYWPHQPIENL YTALVDAEEKEDVK
gi 32189394	ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, beta subunit precursor	AHGGYSVFAGVGER AIAELGIYPAVDPLDSTSR DQEGQDVLVLDINIFR FLSQPFQVAEVFTGHMGK ox FTQAGSEVSALLGR IMDPNIVGSEHYDVAR ox IPSAVGYQPTLATDMGTMQER ox ox LVLEVAQHLGESTVR LVPLKETIK MLGFVGRVAAAASGALR SLQDIILGMDLSEEDKLTVSR ox VALTGLTVAEYFR VALVYGMNEPPGAR ox VLDSGAPIKIPVGPETLGR

gi 33086640	Ba1-647 (Haptoglobin Precursor)	DIAPTLTLYVGK GAVSPVGVQPILNK GAVSPVGVQPILNKHTFCAGLTK GSPFWQAK LKYVMLPVADQEK ox MGYYVSGWGR ox NQLVEIEKVVHUPER NVNFRFTER QWVNPAAGDKLPK SCAVAEYGVYVR SVVDIGLIK SVVDIGLIK VLVTEKVMPICLPSK ox VMPICLPSKDYVAPGR ox VVLHUPER VVLHPEKSVVDIGLIK YVMLPVADQEKCELHYEK ox
gi 33086632	Ba1-651 (Liver regeneration-related protein )	AELVVFKGLMSDPMTDLDTK ox AIEAAVLAR ALNDLKDQTEAIPCVMGDEEVWTSVDR ETLQLVDSTTSYGLTGAVFAQDK FCYADKALLNK GRLEEHSR GVGKICIGYQTLWIMGK IFQVVPKK KEWDLKPVADR LAGECGKGFHVVHSSADVSVSGTLR LYVPQSLWPQIK NAAGNFYINDK NAAGNFYINDKSTGSVVGQPPFGGAR NFHFVHSSADVSVSGTLR QVAQNLDLDRF RLTYYNNVSWYTPNNTAR SAFEYGGQK STGSVVGQPPFGGAR TIVQEATR TLAHGMVPPTSK TVIQAEIDAAAELIDFFR TVIQAEIDAAAELIDFFRFNAK VANEPILAFQTGSPER VANEPILAFQTGSPERDALQK VGNPAEDFGTFFSAVIDAK VLGYNLMQAMR ox ox YQLSPFNHGHKVAK
gi 8048915	Beta 2 globin	AAVNGLWVK EFTPCAQAQAFQK GTF AHLSELHCDK GTF AHLSELHCDKLHVDPENFR KVINAFNDGLK LHVDPENFR LLGNMIVIVLGHHLGK ox LLGNMIVIVLGHHLGKEFTPCAQAQAFQK ox VHLTDAEK VINA FNDGLK VINA FNDGLKHLDNLK VNP DN VGAEALGR VVAGVASALAHK VVAGVASALAHKYH YFDSFGDLSSASAIMGNPK YFDSFGDLSSASAIMGNPK ox
gi 56252	Beta-globin	ATVSGLWVK EFTPCAQAQAFQK FGDLSSASAIMGNPQVK FGDLSSASAIMGNPQVK ox FGDLSSASAIMGNPQVKAHGK ox GTF AHLSELHCDKLHVDPENFR KVINAFNDGLK LHVDPENFR LLGNMIVIVLGHHLGK ox LLGNMIVIVLGHHLGKEFTPCAQAQAFQK ox LLVVYPWTQR LLVVYPWTQR YFSK VHLTDAEKATVSGLWVK VINA FNDGLK VINA FNDGLKHLDNLK VNP DN VGAEALGR VVAGVASALAHK VVAGVASALAHKYH YFSKFGDLSSASAIMGNPQVK ox
gi 13540663	Betaine-homocysteine S-methyltransferase	AGAAIVGVNCHFDPSLQTIK AGPWTPEAAVEHPEAVR AGPWTPEAAVEHPEAVRQLHR AGSNVMQTFYASEDKLENR ox AIAEELAPERGFPPASEK ALFEKQK EATTEQQLR EAYNLGVR EYWQNLR GAAELMQKEATTEQQLR

		<p>GAAELMQKEATTEQQLR ox  GFLPPASEK  HGSWGSGLDMHTKPWIR  HGSWGSGLDMHTKPWIR ox  IASGRPYNPSMSKPDAGVTK  IASGRPYNPSMSKPDAGVTK ox  IFHQQLEVFMMK  IFHQQLEVFMMK ox  ISGQKVNEAACDIAR  KEYWQNLK  LMKEGLEAAR ox  LNAGEVVIGDGGFVFALEK  LNAGEVVIGDGGFVFALEKR  QGFDLPEFPFGLLEPR  QLHREFLR  QVADEGDALVAGGVSQTPSYLSCK  TSGKPIAATMCIGPEGDLHGVSPGEC AVR ox  VATRWDIQK  VNEAACDIAR  WDIQKYAR  YAREAYNLGVR  YIGCCGFEPYHIR</p>
gi 16758704	Beta-ureidopropionase	<p>AHHDLG YFYGSSYVAAPDGSR  DRDHGGVLWNTAVVISNSGLVMGK  DRDHGGVLWNTAVVISNSGLVMGK ox  EKLPTWTEFAESAEDGLTTR  ELAEAVKPNYSPNIVK  ELAEAVKPNYSPNIVKEDLV LAPSSG  EQQRCPQIVR  GYAFGAAKEQQR  HLPDDLSQVKR  HNMVVISPILER  HNMVVISPILER ox  IAVNICYGR  IPLPTSAPVAEQVSALHK  IPLPTSAPVAEQVSALHKK  KAHHDLG YFYGSSYVAAPDGSR  KALEAASER  KHNMVVISPILER  KHNMVVISPILER ox  LPWTEFAESAEDGLTTR  MTGRLEMYAR ox  NAAIANHCFTCALNR  NFEKGYAFGAAK  VGDFNESTYYMEGNLGHVPFQTQFGR  VGDFNESTYYMEGNLGHVPFQTQFGR ox  VGLVQNRIPLPTSAPVAEQVSALHK  VQEHYPNEFTSGDGK  VQEHYPNEFTSGDGKK</p>
gi 34855391	Biliverdin reductase B	<p>TYPSHQYD  KIAIFGATGR  HDLGHFMLR  HDLGHFMLR ox  LQDVTDDHIR  CLTTHEYDGGQK  VSKHDLGHFMLR  VSKHDLGHFMLR ox  LQDVTDDHIRMHK ox  VVACTSAFLWDPKVPVPR  TGLTTLAQAVQAGYEVTVLVR  CLTTHEYDGGQKTYPSHQYD  YVAVMPPHIGDQPLTGAYTVTL DGR  YVAVMPPHIGDQPLTGAYTVTL DGR ox  DSSRLPSEGPQAHVVVGDV LQAGD VDK  TVAGQDAVIVLLGTGNDLSP TTMSEGTR ox  YVAVMPPHIGDQPLTGAYTVTL DGRGPR ox  DQDIFVQK  ELGSLDEVR  ELGSLDEVRQISLEDALR  FGPFAFSGISR  FGVVVVGVGR  FTASPLEEER  GLLSWIEEK  IMHCLGLASDIQK  KFGVVVVGVGR  LLDQVSAEDLAAEK  MTVQLETQNK  NIFLKDQDIFVQK  NRYVNFQFTSGSLEEVPSVGVNK  QISLEDALR  RELGSLDEVR  SAAFLNLIGFVSR  SAAFLNLIGFVSRR  SQEIDVAYICSESSSHEDYIR  VLHEEHVELLMEEFEFLRR  VLHEEHVELLMEEFEFLRR ox  YVNFQFTSGSLEEVPSVGVNK</p>
gi 16758714 gi	Biliverdin reductaseA[Precursor]	
gi 1345633	C-1-tetrahydrofolate synthase, cytoplasmic	<p>AAQEIGIKATHIK  ALKMHGGGPTVTAGLPLPK ox  APAGILNGKVVSAQIR</p>

		ASQAPSSFQLLYDLK CTHWAEGGGALALAQAQVQR EIGLLTEEVELYGETKAK FSDIQIRR GCLELIKETGVQIAGR GDLKDCFIPCTPK GVPTGFVLPPIR GVPTGFVLPPIRDIR IFHELTQTDKALFNR KFSDIQIR LDIDPETITWQR LGIEKTDPAALTDDEINR LNLKTPVPSDIAISR LSVEDKIR MVASASKK QGFGNLPICTMAK QGFGNLPICTMAK ox QPSQGPTFGIK STTTIGLVQALGAHLHQNVFACVR THLSLSHNPEQK VLDTNDNR VLDTNDRFLR YSGLQPHVVVLVATVR
gi 117492	Carbamoyl-phosphate synthase [ammonia], mitochondrial [Precursor]	AADTIGYPMIR AADTIGYPMIR ox AFAISGPFNVQFLVK AFAMTNQILVER AFAMTNQILVER ox ALENNMSLDEIVK ox AMLSTGFK ox AMLSTGFKIPQK ox APMFSWPR AQTAHIVLEDGTK ATGYPLAFIAAK CLGLTEAQR DGSIDLVINLPNNNTK DILNMDK DKGTMLGK DKGTMLGK ox ETLMDLGTK EWPANLDRK FLGVAEQLHNEGFK FVHDNYVIR FVHDNYVIRR GILIGIQSFRPR GLNSESVTEETLR GNDVLVIECNLR GQNQPVLNITNR GTTITSVLPKALVSR HLPTLEQPIIPSDYVAIK IALGIPLEIK IAPSFAVESMEDALK IAPSFAVESMEDALK ox IMGTSPLQIDR ox IMGTSPLQIDRAEDR IMGTSPLQIDRAEDR ox LFAEAVQK LTSIDKWFLYK MCHPSVDGFTPR ox MRDILNMDK ox MRDILNMDK ox ox NIHPWK NNVIRLLVK QLFSDKLEINEK RTSINVVR SAYALGGLSGICPNKETLMDLGTK ox SFPFVSK SIFSAVLDELK SIFSAVLDELKVAQAPWK SLFHVR SLGWLQEEK SVGEVMAIGR SVGEVMAIGR ox TAVDSGIALLTNFQVTK TFEESFQK TLGVDFIDVATK TSACFEPSLDYMTK ox TVLMNPNIASVQTNEVGLK ox VLILGSGGLSIGQAGEFDYSGSQAVK VSQEHVPVLTK VVAVDCGKNNVIR WDLDRFHGTSSR
gi 27673888	Carbohydrate kinase-like protein	AAGAETESAAAGPQGR AALLEAAPGHPSGFVVLASCAR AVSHLVTWQDNR DTHLTITPTVLGER GSAPVFEP HLPDQLASVTR HQALNECLDALPPR ISSSDLGLHVTR MIQAAAQQKDTHLTITPTVLGER

		MIQAAAQQKDTHLTITPTVLGER ox NEVLKQEVQR TGQGCEWTER VGAIGVSGQMHGILFWK ox VVGSGSALSR
gi 27689031	Carbonic anhydrase I	ADGLAIIGVLMK ox EIVNVGHSFHVVFDDSSNQSVLK ESISLSPEQLAQLR GGPLADSYR GLLSSAEGEPVAVPVLNHRPPQPLK HDSSSLKPVSVSNYPATAK LTQFHFHWGNSNDHGSEHTVDGAK LYPIANGNNQSPIDIK TSEAKHDSCLKPVSVSNYPATAK VGPANPNLQK VGPANPNLQKVLDALSSVK VLDALSSVK YSGELHLVHWNSAK YSSAAEAISK YSSAAEAISKADGLAIIGVLMK ox
gi 10120584	Carbonic anhydrase III	DIRHDPQLPWSVSYDPSGSAK EAPFNHFDPSCLFPACR EKGEFQILLDALDK EPMTVSSDQMAK EWGYASHNGPEHWHELYPIAK GDNQSPIELHTK GDNQSPIELHTKDIR GEFQILLDALDK GEFQILLDALDKIK GGPLSGPYRLR GKEAPFNHFDPSCLFPACR HDPSLQPVSVSYDPSGSAK QFHLHWGSSDDHGSEHTVDGAK QPDGIAVVGIFLK SLFASAENEPVPLVGNWRPPQPIK SLFASAENEPVPLVGNWRPPQPIKGR VVFDDTFDR VVFDDTFDRSMLR VVFDDTFDRSMLR ox YAAELHLVHWNPK YNTFGEALK YNTFGEALKQPDGIAVVGIFLK
gi 117289	Carnitine O-palmitoyltransferase II, mitochondrial [Precursor]	ARHLLVLR ATNLTVSAVRFLK CLEDFDALEK CSEAFVRDPSK DSIVLNFNPFMAFNPDPK ox EAAMGQGFDR EAAMGQGFDR ox EAAMGQGFDRHLYALR EAAMGQGFDRHLYALR ox EFLHCVQK ELHAHLLAQDKQNK FFNEVFR FLKTLQAGLLEPEVFHLNPSK HLYALRYLATAR HTSYISGPWFDMYLTAR ox IPRPNRDELFTDTK KQLSPDAVAQLAFQMAFLR ox LIFDGNEETLK LIFDGNEETLKK NAREFLHCVQK NFETGVGKELHAHLLAQDK QKLIFDGNEETLK QLSPDAVAQLAFQMAFLR ox QYGGQTVATYESCSTAAFK QYGGQTVATYESCSTAAFKHGR RCSEAFVR SEYNDQLTR TETIRPASIFTK TETIRPASIFTKR TLQAGLLEPEVFHLNPSK TLSIDSIQFQR YLNAQKPLLDSSQFR YLNAQKPLLDSSQFR
gi 51980301	Catalase	APQKPDVLTGGGNPIGDK APQKPDVLTGGGNPIGDKLNIMTAGPR APQKPDVLTGGGNPIGDKLNIMTAGPR ox ARVANYQR AVKNFTDVHPDYGAR DAMLFPFSIHSQK DAMLFPFSIHSQK ox DAMLFPFSIHSQKR DAMLFPFSIHSQKR ox DAQLFIQR EAETFPNPFDLTK FHYKTDQGIK FNSANEDNVTQVR FSTVAGESGADTVRDPR

		FYTEDGNWDLVGNNTPIFFIR GIPDGHHRHMNGYGSHTFK ox GPLLVQDVVFTDEMAHFDR GPLLVQDVVFTDEMAHFDRER ox HMNGYGSHTFK ox HRLGPNYLQIPVNCOPYR IPERVVHAK LAQEDPDYGLR LCENIANHLK LCENIANHLKDAQLFQR LFAYPDTHR LGPNYLQIPVNCOPYR LVNANGEAVYCK MADSRDPASDQMK ox ox NAIHTYVQAGSHIAAK NFTDVHPDYGAR NLPVEEAGR VFEHIGKR VQALLDQYNSQKPK VWPHKDYPLIPVGK
gij34811344	Catechol O-methyltransferase	AIYQGSSPDK AIYQGSSPDKS DRYLPDTLLEK EWAMNVGDAK EWAMNVGDAK ox EWAMNVGDAKQIMDAVIR ox EYSPSLVLELGAYCGYSAVR GQIMDAVIR GQIMDAVIR ox GSSSFECTHYSSYLEYMK GSSSFECTHYSSYLEYMK ox GTVLLADNVIVPGTPDFLAYVR KGTVLLADNVIVPGTPDFLAYVR KYDVTLDMMVFLDHWK ox VTILNGASQDLIPQK VTILNGASQDLIPQKK YDVTLDMMVFLDHWK ox YDVTLDMMVFLDHWKDR YLPDTLLEK YVQQNAKPGDPQSVLEAIDTYCTQK
gij33356830	Chain A, Crystal Structures Of Class Mu Chimeric Gst Isoenzymes M1-2 And M2-1	FKLGDFPNLPYLIDGSR FLSKPIFAK CLDAFPNLKDFVAR IRVDVLENQAMDTR IRVDVLENQAMDTR ox ITYVDFLVYDVLQHR ITYVDFLVYDVLQHRIFEPK KHHLCGETEEER KITQSNAIMR KITQSNAIMR ox KKPEYLEGLPEK LGLDFPNLPYLIDGSR LGLDFPNLPYLIDGSRK LLELYTDSSYEK LLELYTDSSYEKR LQLAMVCYSPDFER LYSEFLGK MAFWNPK ox PMILGYWNR PMILGYWNR ox QPWFAGNKITYVDFLVYDVLQHR YAMGDAPDYDRSQWLNEK
gij1943433	Chain A, First-Sphere And Second-Sphere Electrostatic Effects In The Active Site Of A Class Mu Glutathione Transferase	ADIVENQVMDNR ox CLDAFPNLKDFLAR IRADIVENQVMDNR IRADIVENQVMDNR ox ITQSNAIMRYLAR ox KHHLCGETEEER KISAYMK ox KITQSNAIMR KITQSNAIMR ox LAQWSNK LGLDFPNLPYLIDGSR LLELYTDSSYEK LLELYTDSSYEKR LYSEFLGK MKLYSEFLGK ox MQLIMLCYNPDFEK ox ox PMILGYWNR PMILGYWNR ox PMILGYWNRGLSHPIR ox QKPEFLK SSRYLSTPIFSK YAMGDAPDYDRSQWLNEK ox YLSTPIFSK
gij29726512	Chain A, Glutathione Transferase Mutant Y115f	ADIVENQVMDNR ADIVENQVMDNR ox ADIVENQVMDNRMLIMLCFNPDFEK CLDAFPNLKDFLAR

		FKLGLDFPNLPYLIDGSR HHLCGETEERIR IRADIVENQVMDNR IRADIVENQVMDNR ox KHHLCGETEER KISAYMK ox KITQSNAIMR KITQSNAIMR ox LAQWSNK LGLDFPNLPYLIDGSR LGLDFPNLPYLIDGSRK LLELYTDSSYEK LLELYTDSSYEKR LYSEFLGK PMILGYWNV PMILGYWNV ox QKPEFLK VTYYVDFLAYDILDQYHIFEPK YAMGDAPDYDRSQWLNEK YLSTPIFSK
gi 47169449	Chain A, Structure Of Pig Muscle Pkg Complexed With Atp	ADPAKIEAFR ALESPPERFLAILGGAK GCITIIGGGDTATCCAK ITLPVDFVTADKFDENAK LGDVYVNDAFGT AHR SVVLMShLGRPDGIPMPDK WNTEDKvshvstGGGASLELEGK
gi 34864883	Chaperonin containing TCP1, subunit 2	GATQQILDEAER ILIANtGMDTDKIK ox ILKHGINCFINR KIHPQTIAGWR LALVTGGEIASTFDHPELVK LGGSLADSYLDEGFLLDKK LIEVMIGEDK LLTHHKDHFTK MLPTIADNAGYDSADLVAQLR ox NIGVDNPAAKVLVDMR QVLLSAAEAEEVILR QVLLSAAEAEEVILRVDNIHK SLHDALCVLAQTVKDPR TPGKEAVAMESFAK ox VQDDEVGDGTTsvtVLAELLR
gi 6753320	Chaperonin subunit 3	ACGARIVSRPEELR AMTGVQWVWVYR ox AVAQALEVIPR EDDVGTGAGLLEIK EILSEVER EIQVQHPPAK GASKEILSEVER GISDLAQHYLMR GISDLAQHYLMR ox GISDLAQHYLMRANVTAIR ox GVMINKDVTHPR GVMINKDVTHPR ox IPGGHIEDSCVLR IVLLDSSLEYK IVSRPEELREDDVGTGAGLLEIK MGHRPVLVLSQNTKR NLQDAMQVCR NLQDAMQVCR ox SKAMTGVQWVWVYR ox TAVETAVLLLR TLIQNCGASTIR VEKIPGGHIEDSCVLR WSSLACNIALDAVK
gi 34854923	Chaperonin subunit 5	DFSHQPMPKEVLNAK ox DVFELIKVEGK ESNPALGIDCLHK GVIVDKDFSHQPMPK IADGYEQAAR IAILTCPFEPKPK ISDNVLVDINNPELIQTAK QMAEIAVNAVLTVADMER QQISLATQMVR QQISLATQMVR ox SLHDALCVIR SQDDEIGDGTGVVVLAGALLEEAQQLDR WVGGPEIELIAIATGGR
gi 38454200	Choline dehydrogenase	AEVQTLVSR AKADSAYHPSCTCK AQKHELGANMYR ox AVGVEYIKDGQSHK EIFAQEAFAPFR EIFAQEAFAPFRGK ELQPGSHVQSDKEIDAFVR EVILSGGAINSPQLLMLSGVGNADDLKK ox FTGDGATAHLETGGFIR GCPALGDENVPVYKQTLDTQR

		GGDGPLHVS GHAEDYNRWHR GKTNHPLHQAFLLQAAR HELGANMYR HELGANMYR ox KPTQAEAYQVHVGTMR KPTQAEAYQVHVGTMR ox LTEDPNHR MGQPSDPTAVVDQQTR ox GAEGWDYAHCLPYFRK SRPGVPHPDQFHFLPSQVIDHGR TNHPLHQAFLLQAAR VCIGLEWLWR VIDASIMPSVVSGLNAPTIMIAEK ox ox VLLLEAGPK VWGGSSSLNAMVYIR ox WSTASAYLRPALSRLR
gi 203278	Clathrin light chain A (Lca)	AEEAFVNDIDESSPGTEWER AVKELEEWYAR EEQTERLEALDANSR ELEEWYARQDEQLQK LCDFNPK LEALDANSR LEALDANSR LQSEPEIRK MRSVLISLK MRSVLISLK ox SVLISLQAPLVH WREEQTER
gi 30794164	Clathrin, light polypeptide (Lcb)	LQELDAASKVTEQEW LRSVLSLK ox LTQEPESIRK QSEQVEKNK SVLSLQKTPLSR ox VAQLCDFNPK VTEQEWREK
gi 16924002	Contraception associated protein1 (DJ-1 protein)	DKMMNGSHYSSES ox DKMMNGSHYSSES ox ox DVVICPDTSLLEAK EILKEQENR GAEEMETVIPVDIMR ox GAEEMETVIPVDIMR ox ox GAEEMETVIPVDIMR ox GAEEMETVIPVDIMR ox ox GLIAAICAGPTALLAHEVGFCK GPGTSFEFALAIVEALSGK GPGTSFEFALAIVEALSGKDMANQVK ox KGLIAAICAGPTALLAHEVGFCK MMNGSHYSSES ox ox TQGPYDVVVLPGGNLGAQNLSESALVK VEKDGILLTSR VTVAGLAGKDPVQCSR
gi 6753490	COP9 signalosome subunit 4	ASLLQNESTNEQLQIHYK ASLLQNESTNEQLQIHYKVCYAR ATTADGSSILDR ATTADGSSILDRAVIEHNLSASK AVIEHNLSASK CQQLAAYGILEK EVYHFTLEKIQR FIEAAQRYNELSYK GNQLQEFAAMLMPHQK ox ox IASQMITEGR IASQMITEGR ox IIRGNLQEFAAMLMPHQK ox ox KFIEAAQR LYLEDDDPVQAEAYINR LYNNITFEELGALLEIPAAKAEK MLATLFKDER MLATLFKDER ox MNGFIDQIDGIVHFETR MNGFIDQIDGIVHFETR ox QYNVDYKLETYLK TIVHESERLEALK VISFEEQVASIR YRQILEK
gi 26324620	Cps1 protein (D1Ucla3 protein)	APMFSWPR CLGLEAQTR ELSEPSSTR FLEEATR FVHDNYVIR FVHDNYVIR GILIGIQSFRPR IGSSMKSVEVMAIGR ox IMGTSPLQIDR LRDADPILR MCHPSVDGFTPR ox VSQEHPPVLT SVGEMVMAIGR

		SVGEVMAIGR ox TLGVDFIDVATK VSQEHVVLTKFVEGAR WDLDRFHGTSSR
gi 1213217	Cu/Zn superoxide dismutase	DGVANVSIEDR DGVANVSIEDRVISLSGEHSIIGR GDGPVQGVVHFEQK HGGPADEER HGGPADEERHVGD LGNVAAGK HVGD LGNVAAGK HVGD LGNVAAGK DGVANVSIEDR KHGGPADEER LACGVIGIAQ MATMAVCVLK VISLSGEHSIIGR
gi 543960	Cystathionine beta-synthase	AVVDRWFK CEFFNAGGSVK CVVILPDSVR DQAWSGVVGGPTDR FDSPESHVGVAVR ILPDILRK LKNEIPNSHILDQYR QLMVFGVVT AIDLLNFVAAR ox RPWWWHLR SNDDDSFAFAR VQELSLSAFLT VLPVTCEHTIAILR
gi 51261011	Cystathionine gamma-lyase (CTL target antigen)	AGDEVICMDEVYGGTNR AGDEVICMDEVYGGTNR ox ATLGISDTLIR AVVLPISLATTFK AVVLPISLATTFKQDSPGQSSGFVYSR FLESNPRVEK FLQNSLGAVPSPFDCYLCCR GTLQHAQVFLK HCLTFASGLAATTTITHLK LFALAESLGGYESLAELPAIMTHASVPEKDR ox LSVGLLEDEKDLLEDLGQALK LVWIETPTNPTLK QCTGCPGMVSFYIK QDSPGQSSGFVYSR RQCTGCPGMVSFYIK RVASEFGLK VIYPGLPSHPQHELAK VIYPGLPSHPQHELAKR
gi 3660010	Cytochrome b5	AEQSDKDVK ELSKTYIIGELHPDDR EQAGGDATENFEDVGHSTDAR EQAGGDATENFEDVGHSTDARELSK FLEEHPPGEEVLR STWVILHHK STWVILHHKVYDLTK TYIIGELHPDDR TYIIGELHPDDRSK YYTLEEIQK
gi 92185	Cytochrome c oxidase polypeptide VIa-liver, mitochondrial [Precursor]	ALTYFVALPGVGVSMNLNVFLK ox HEEHERPEFVAYPHLR SSGAHGEGSAR SSGAHGEGSARIWK TKPFPWGDGNHTLFHNPHMNLPTGYEDE ox
gi 117097	Cytochrome c oxidase polypeptide Va	EIYPYVIQELRPTLNELGISTPEELGLDKV GMNTLVGYDLVPEPK GMNTLVGYDLVPEPK ox ILEVVKDK KGMNTLVGYDLVPEPK KGMNTLVGYDLVPEPK ox LNDFASAVR LNDFASAVRILEVVK RLNDFASAVR SHGSSETDEEFDAR WVTYFNKPDIDAWELR WVTYFNKPDIDAWELRK
gi 55992	Cytochrome c oxidase polypeptide Vb, mitochondrial [Precursor]	AASGTKEDPNLVPSVSNK CPNCGTHYK CPNCGTHYKLVYPYQMVH ox EDPNLVPSVSNKR EIMIAAQR EIMIAAQR ox GLDPYNMLPPK GLDPYNMLPPK ox GLDPYNMLPPKAASGTK ox LVYPYQMVH LVYPYQMVH ox SMASGGVPTDEEQATGLER ox
gi 3122856	D-3-phosphoglycerate dehydrogenase	AGTGVDNVDLEAATR AGTGVDNVDLEAATR

		ALQSGQCAGAALDVFTTEPPDR ALVDHENVISCPhLGASTK CGEEIAVQFVDMVK GTIQVVTQGTSLK ILISDSLDPCCR ILISDSLDPCCR NAGTCLSPAVIVGLLR QADVNLVNAKLLVK QIPQATASMK QIPQATASMK ox RGQPLLLFR VTADVINA AEKLQVVGR
gij114898	D-beta-hydroxybutyrate dehydrogenase, mitochondrial [Precursor]	AVLVTGCDSGFGFSLAK ELDSLKSDR EVAEVNLWGTVR FGVEAFSDCLR GFLVFAGCLLK GRVVNISSMLGR GRVVNISSMLGR ox HLHSGFLVFAGCLLK LRTIQLNVCNSEEVEK MQVMTHFPGAISDK MQVMTHFPGAISDK ox MQVMTHFPGAISDK ox ox MQVMTHFPGAISDKIYIH ox ox MWDELPEVVR MWDELPEVVRK MWDELPEVVRK ox RTYTSQADAASGK SFLPLLR TIQLNVCNSEEVEK TIQLNVCNSEEVEKAVETVR TTKSFLPLLR VSVVEPGNFAATSLSYSPER VVNISSMLGR ox YEMHPLGVK YEMHPLGVK ox YFDEKIAK YHPMDYYWWLR
gij1169390	D-dopachrome tautomerase	FFPLEPWQIGK FFPLEPWQIGKK FLTEELSLDQDRHIR IPAGLENRLCAATATILDKPEDR KGTVMITFL ox LCAATATILDKPEDR LCAATATILDKPEDRVSVTIRPGMTLLMNK ox ox PFVELETNLPASR PFVELETNLPASRIPAGLENR SHSSSFFK STEPCAHLLISSIGVVGTAEQNR VSVTIRPGMTLLMNK ox VSVTIRPGMTLLMNK ox ox
gij6015047	Delta3,5-delta2,4-dienoyl-CoA isomerase, mitochondrial [Precursor]	AFWRELVECFQK CPKPVIAIHGGCIGGGVDLISACDIR ELVECFQK EVDVGLAADVGTQLQR EVDVGLAADVGTQLRQLPK HVLHVQLNRPEK HVLHVQLNRPEKR IAWYLRDLISR IPEEVS DHNYESIQV TSAQK KMMADEALDSGLVSR KMMADEALDSGLVSR ox ox MFTSGIDLMDMASDILQPPGDDVAR ox ox MFTSGIDLMDMASDILQPPGDDVAR ox ox MMADEALDSGLVSR ox RIPEEVS DHNYESIQV TSAQK SLVNETFTAR SLVNETFTARK VFPDKDVMLNAAFALAADISSK ox YCTQDAFFQVK YCTQDAFFQVKEVDVGLAADVGTQLQR YQKTFTVIEK
gij122836	Delta-aminolevulinic acid dehydratase	AGADIIITYFAPQLLK AGCQVVAPSDMMDGR ox AGCQVVAPSDMMDGR ox ox AGCQVVAPSDMMDGRVEAIK ox ox CVLIFGVPSR CVLIFGVPSRVPK CYQLPPGAR DAAQSSPAFGDR DAAQSSPAFGDRR DEQGSAA SEDSPTIEAVR DIQEGADILMVKPLPYLDMVQEVK ox ox FASCFYGPF HGLGNRVSVMSYSK LAEVALAYAK ORLAEVALAYAK RAGADIIITYFAPQLLK

		RCYQLPPGAR TAVLESMTAFR TAVLESMTAFRR ox TAVLESMTAFRR ox VPKDEQGSAADESDSPTIEAVR VSVMSYSAK YGVNQEEMLRPLVEAGLR YGVNQEEMLRPLVEAGLR ox
gi 50400214	Diacetyl/L-xylulose reductase	ALTNHTVYCSTK ALTNHTVYCSTKGALDMLTK ox ALVTGAGKGIGR ANWSDPHK ANWSDPHKAK AVVQVSQIVAR EACDTSFNVNFR FAEVENVVDTILFLLSNR GVPGAIVNVSSQASQR IRVNAVNTVVMTPMGR ox ox SSMTTGSALPVDGGFLAT ox STVLALQAAGAQQVAVSR VMALELGPHK VMALELGPHK ox VMALELGPHKIR VMALELGPHKIR ox VMLDRIPLGK VMLDRIPLGK ox VNAVNTVVMTPMGR ox VNAVNTVVMTPMGR ox ox
gi 18426814	Dihydrofolate reductase	ELKEPPQGAHFLAK EPPQGAHFLAK IMQEFESDTFFPEIDLEK ox IMQEFESDTFFPEIDLEKYK IMQEFESDTFFPEIDLEKYK ox INIVLSRELK KTWFSIPEK LLPEYPGVLSIEQEEK LLPEYPGVLSIEQEEKGIK MTTTSSVEGKQNLVIMGR ox MTTTSSVEGKQNLVIMGR ox ox NEFKYFOR NGDLPWPLL NGDLPWLLRNEFK QNLVIMGR ox QNLVIMGRK SLDDALKLIEQPELASK TWFSIPEK TWFSIPEKNRPLK VDMVWVVGSSVYQEAMNQPGLHR ox VDMVWVVGSSVYQEAMNQPGLHR ox ox VRPLNCIVAVSQNMGIGK VRPLNCIVAVSQNMGIGK ox YKFEVYEK YKLLPEYPGVLSIEQEEK
gi 266685	Dihydroliipoamide acetyltransferase component (E2) of pyruvate dehydrogenase	AAPAAAAAPPGR DIDSFVPTK DVPLGTPLCIIVEK GFDVASVMSVTLSCDHR ox GIDLTQVKGTGPEGR GKISVNDFIK GLETIASDVVSLASK GRVFSPLAK ISVNDFIK LQPHEFQGGTFTISNLGMFGIK LQPHEFQGGTFTISNLGMFGIK ox NFSAINPPQACILAIASEDK QNHVVVSVAVSTPAGLITPIVFNHAIK QTIPHYLLSVDVNMGEVLLVR ox QTIPHYLLSVDVNMGEVLLVR ox SLPPHQKVPPLPSLPTMQAGTIAR ox VAPTPAGVFIDIPISNIR VAPTPAGVFIDIPISNIR VPEANSSWMDTVIR VPEANSSWMDTVIR ox VPLPSLPTMQAGTIAR VPLPSLPTMQAGTIAR ox VVDGAVGAQWLAEFKK YLEKPVTMLL YLEKPVTMLL ox
gi 34859889	Dihydroliipoamide branched chain transacylase E2	AQIMNVSWADHR ASHNIAMIAMTER ASHNIAMIAMTER ox HSLRTAAVLQGGVQVQFK ILKEDILNFLEK IPHFGYCDEVDLTELK LAMENNIK LAMENNIKSEVVVSGK ox LREELKPVALAR LSDIGEGIR

		<p>           LSDIGEGIREVTIK            LSEVVGSGKDGR            LSFMPFFLK            LSFMPFFLK ox            SEITPPPQPR            SVFEIAMELNR            SVFEIAMELNR ox            SYLENPAFMLLDLK            SYLENPAFMLLDLK ox         </p>
gi 40786469	Dihydroliipoamide dehydrogenase	<p>           AEVITCDVLLVCIGR            ALLNNSHYHHLAHGK            ALTGGIAHLFK            EANLAASFGKPINF            FPFfaNSR            GRIPVNR            ILGAHILGPGAGEMVNEAALALEYGASCEDVAR            IPNIFAIGDVVAGPMLAHK ox            LGADVTAVEFLGHVGGIGIDMEISK            LGADVTAVEFLGHVGGIGIDMEISK ox            LGADVTAVEFLGHVGGIGIDMEISKNFQR            NETLGGTCLNVGCIPSK            NILIATGSEVTPFPGITIDEDTIVSSTGALSJK            NQVTATTADGSTQVIGTK            QNKVVHVNFGFK            RPFQNLGLEELGIELDPK            SEEQLKEGVVEFK            VCHAHTLSEAFR            VGKFFFAANSR            VVHVNFGFK         </p>
gi 28070943	Dihydroliipoamide dehydrogenase	<p>           ALLNNSHYHHLAHGK            ALLNNSHYHHLAHGKDFASR            ALTGGIAHLFK            ALTGGIAHLFKQNK            DFASRGIELSEVR            IPNIYAIGDVVAGPMLAHK            NETLGGTCLNVGCIPSK            RPFQNLGLEELGIELDPR            SEEQLKEGIEYK            TVCIEKNETLGGTCLNVGCIPSK            VCHAHTLSEAFR            VGKFFFAANSR         </p>
gi 118601	Dihydropteridine reductase	<p>           AALDGTGPMIGYGMMAK ox            AALDGTGPMIGYGMMAK ox ox            EGGLETLGAK            GAVHQLCQSLAGK            HLKEGGLTLGAK            MTDSTFEQADQVTAEVGK ox            NCDLMWK ox            NSGMPSGAAAIAVLPVTLDTMNR ox ox            QSIWTSTISSHLATK            VLVYGGRGALGSR         </p>
gi 3122039	Dihydropyrimidinase	<p>           AALAGGTTMIIDFAIPOK ox            AITIASAVNCPLYIVHVMASK ox            ALGRDLLPPGDTSR            APYKGEVITLKPR            DLYMVDQQMYAAFSQCK ox            DQTCTPIPVKR            EIGAIAQVHAENGDLIAEGAK            FIPRQPFAEFIYK            GGRVVNDDFSQVADVLVEDGVVR            GLRILDAAGK            GRVVYEAGVFDVTAGHGK            GSSLIEAFETWR            GVNSFKMFMAVK ox            IPNGVNGVEDR            IPNGVNGVEDRMSVIWEK ox            MDENRFVAVTSTNAAK            MDENRFVAVTSTNAAK ox            MLALGITGPEGHELCPPEAVEAEATLR ox            QPFAEFYK            QPFAEFYKR            VVNDDFSQVADVLVEDGVVR            VVYEAGVFDVTAGHGK            VVYEAGVFDVTAGHGKFIPR            VVYGEPIAAGLGTGTQYWNKEWR         </p>
gi 2498527	Dimethylglycine dehydrogenase, mitochondrial [Precursor]	<p>           AETVIIGGGCVGVSLEYHLAK            AGMRDVVLLK            AGMRDVVLLK ox            DGLLFGPYESQEK            DLEGSYYLRQER            ESYGFNNIVGYPKKEER            FAGRPTQR            GQDSTQLLDHLCANVIPK            ILAGLYNPGDGHIDPYSLTMALATGARK            ISDIPVTAIR            IVNAAGFWAR            LTSEDLSDDVFKFLQTK            LYERLEEETGVVGFHQPGSIR            MLRLGALR ox         </p>

		NITDELGVLGVAGPYAR NYPATIIQEPLVLTETPR REDSAALYER SLKISDIPVTAIR VGFTNISHMLTPR VGFTNISHMLTPR ox VGVIDLSPFGK VSGLYKILESK WIEEAAVR
gi 34865747	Dynactin complex 50kDa subunit	ADPKYADLPGIAR ASVEDADTQNKVHQLYETIQR ENLATVEGNFASIDAR ESATEEKLTPVVLAK GLDFSDRIGK LLGPDAAINLADPDGALAK LLGPDAAINLADPDGALAKR LLHEVQELTTEVEK LLHEVQELTTEVEKIK LLLQLEATK LQSVLGKVNEIAK LLELEATVR RLLQLEATK RLTELEATVR TGYESGDYEMLGEGLVK ox VGTKGLDFSDR VHQLYETIQR WSPVASTLPELVQR YADLPGIAR
gi 27720225	Electron transfer flavoprotein alpha-subunit, mitochondrial precursor	AAVDAGFVPNDMQVGGTQK AAVDAGFVPNDMQVGGTQK ox APSSSSAGISEWLDQK APSSSSAGISEWLDQKLT GTSFEAAAASGGSASSEKAPSSSSAGISEWLDQK IVAPELYIAVGISGAIQHLAGMKDSK IVAPELYIAVGISGAIQHLAGMKDSK ox LGGEVSCLVAGTK LGGEVSCLVAGTKCDK LLYDLADQLHAAV GASR LNVAPVSDIIEIKSPDTFVR MFRAAAPGQLR QFSYTHICAGASAFGK SDRPELTGAK SDRPELTGAKVVVSGGR SGENFKLLYDLADQLHAAV GASR SPDTFVR TIVAINKDPEAPIFQVADYGIVADLFK TIYAGNALCTVK TIYAGNALCTVKCDEK VKVFSVR VLVAQHDAYK VLVAQHDAYKGLLPEELTPLILETQK VVPENTEILK VVPENTEILK ox VVVSGGRGLK
gi 27731305	Electron-transfer-flavoprotein, beta polypeptide	AGDLGVDLTSKVSVISVEPPQR EIDGGLETIR EIIAVSCGPPQCQETIR GIHVEVPGAENLGPLQVAR HSMNPFCEIAVEEAVR HSMNPFCEIAVEEAVR ox IEVIKAGDLGVDLTSK LAGVKVETTEDLVAK LKLPAVVTADLR LPAVVTADLR LVKEIIAVSCGPPQCQETIR RVIDFAVK VIDFAVKIR VKPKSGVVTDGVK
gi 13626388	Elongation factor 1-gamma	AILGEVKLCEK AKDPFAHLPK ILGLLDTHLK ILGLLDTHLKTR KLDPGSEETQTLVR LDPGSEETQTLVR QAFPTNR QVLEPSFR STFVLDEFKR VLSAPPHFHGQTNR
gi 56082	Elongation factor 2 (EF-2)	ALLELQLEPEELYQTFQR ARPPFDGLAEDIDKGEVSAR AYLPVNESFGFTADLR CELLYEGPPDDEAAMGIK ox CLYASVLTAPR DGSGLINLIDSPGHVDFSEVTAALR DSVVAGFQWATKEGALCEENMR EDLYLKPIQR EGIPALDNFLDKL

		<p> FVSPVVR  GGGQIPTAR  GGGQIPTARR  GHVFEESQVAGTPMFVVK ox  GVQYLNEIKDSVVAGFQWATK  IKPVLMMNKMDR ox ox  KIWCFPGDGTGNILTDITK  LMEPIYLVEIQCEQVVGGIYGLNR ox  MVNFTVDQIRAIMDK  RCLYASVLT AQPR  SPNKHNR  ST AISLFYELSENDLNFIK  ST AISLFYELSENDLNFIKQSK  TFCQLLDPIFK  TGTITTFEHAHNMR  TGTITTFEHAHNMR ox  VMKFSVSPVVR ox  VNFTVDQIR  VRIMGPNYTPGK ox  WLPAGDALLQMITHLPSVTAQK ox  YLAEKYEWDVAEAR </p>
gi 2507015	Endoplasmic reticulum proteine rp29 (ERp31)	<p> ESYPVFYLF  FDTQYPYGEK  FDTQYPYGEKQDEFK  FVLVKFDTQYPYGEK  GALPLDVTTFYKVIPK  GQGVYLGMPGCLPAYDALAGQFIEASSR  GQGVYLGMPGCLPAYDALAGQFIEASSR ox  ILDQGEDFPASELAR  LAENSASSDDLLVAEVLGSDYGDKLNMESEK ox  LDKESYPVFYLF  QAILKQGQDGLSGVK  QGQDGLSGVK  SLNLTAFR  SLNLTAFRK </p>
gi 2961553	Endoplasmic reticulum-associated amyloid beta-peptide binding protein; ERAB	<p> GGIVGMTPIAR  GGIVGMTPIAR ox  NFLASQVPPPSR  NQVHTLEDFQR  KNQVHTLEDFQR  VINVNLIPTFNVR  GLVAVITGGASGLGLSTAK  LVAGVMGQNEPDQGGQR  LVAGVMGQNEPDQGGQR ox  GLVAVITGGASGLGLSTAKR  SVKGLVAVITGGASGLGLSTAK  LVGQGATAVLLDVPNSEGETEAK  VVTIAPGLFATPLLTLPDKVR  GVIINTASVAAFEGQVQAAAYSASK  RLVGQGATAVLLDVPNSEGETEAK </p>
gi 58865814	Endothelial cell growth factor 1	<p> RQLLPHAR  TLLGALVLSDR  NGGHLSEADIR  NFVHALMDGR ox  LVPADGILY AAR  FGGA AVFPDQEK  VAAALDDGSALHR  VHLDGPALSSQQR  FGGA AVFPDQEKAR  AQDTQIGAMLMAIR ox ox  ALPLACVLHEL GAGR  FQLMLSAQGVDPGLAR ox  KQEELLSPADGIVECVR  LGGAILWLSGQAETQDQGAAR  NVGHTLEVEEALLCLLDGAGPPDLR </p>
gi 12805477	Enoyl Coenzyme A hydratase domain containing 3	<p> KVALEMLFTGEPISAQEALR  KVALEMLFTGEPISAQEALR ox  LTSMRQQDGR ox  MAVVAGLRAFVVK ox  NALSLAMLK  NALSLAMLK ox  NIVLSNPRR  QQDGIRNIVLSNPR  RNALSLAMLK  RNALSLAMLK ox  SSFATPGVNVGLFCSTPAVALGR  VALEMLFTGEPISAQEALR  VALEMLFTGEPISAQEALR ox  VIISAEGPVFSSGHDLK </p>
gi 2392291	Enoyl-CoA hydratase, mitochondrial [Precursor]	<p> AFAAGADIKEMQNR  AFAAGADIKEMQNR ox  ALNALCNGLIEELNQALETFEEDPAVGAIIVLTGGEK  AQFGQPEILLGTIPGAGGTQR  EGMSAFVEKR  EGMSAFVEKR ox  ESVNAAFEMTLTEGNKLEK ox  FLSHWDHITR  GANFYIITEK </p>

		IFPVETLVEEAIQCAEK IFPVETLVEEAIQCAEKIANNNSK LFYSTFATDDRR NSSVGLIQLNRPK SLAMEMVLTGDR ox SLAMEMVLTGDR ox ox SLAMEMVLTGDRISAQDAK SLAMEMVLTGDRISAQDAK ox SLAMEMVLTGDRISAQDAK ox ox TFQDCYSGK
gi 30580471	Ethanolamine-phosphate cytidyltransferase	AHSSQEMSSEYR AHSSQEMSSEYR ox AMGDYLIVGVHTDEEIAK AMGDYLIVGVHTDEEIAK ox DTYEEVKQAGR EAKELAFLEALR ELAFLEALR ELAFLEALRQEAQPR GIFCQIDSGDLTTDLIVQR GKNYPIMNLHER GKNYPIMNLHER ox GPPVFTQEER HKGPPVFTQEER NRLEYEAR NYPIMNLHER NYPIMNLHER ox RPYVIAGLHFDQEVNR TEIVPDRDGSDPYEEPK TLSVLACR TQGVSTTDLVGR VWCDGCYDMVHYGHSNQLR VWCDGCYDMVHYGHSNQLR ox YVSEVVIGAPYSVTAELLNHFK YVSEVVIGAPYSVTAELLNHFKVDLVCHGK
gi 9055370	Eukaryotic translation initiation factor 3 subunit 2	DMTMFVTASK DMTMFVTASKDNTAK DMTMFVTASKDNTAK ox ox DPIVNVWYSVNGER EGDLLFTVAK FFHLAFEEFGR GHFGPINSVAFHPDGK HVLTGSAADNSCR LWDCETGK LWDCETGKQLALLK MKPILLQGHHER MKPILLQGHHER ox QINDIQLSR SGEVLVNVKEHSR SITQIKYNR SYSSGGEDGYVR TCGFDFGGNIIMFSTDK VKGHFGPINSVAFHPDGK
gi 11024674	Ezrin-radixin-moesin binding phosphoprotein 50	AGDQNEAEKSHLER AQDRIVEVNGVCMEGK ox AVDPDSPAASGLR AVDPDSPAASGLRAQDR CELRPR EALVEPASESPRALAR GKVGQFIR GPNYGFHLHGEK GPNYGFNLHSDKSKPGQFIR IRAALNAVR IVEVNGVCMEGKQHGDDVSAIK ox KGPNGYGFNLHSDK KNELEFNL LCCLEKGPNGYGFHLHGEK LGVPIREELR LLVVDPETDEQLK LLVVDPETDEQLKK LVEPGSPAOK LVEVNGENVEKETHQQVVS RAPQMDWSK ox SKPGQFIR VTPSQEHLDGPLPEPFSNGEIQKENS
gi 1706754	Fatty acid-binding protein, epidermal	DLEGKWR ELGVGLALR ELGVGLALRK ESTITRK KTETVCTFTDGALVQHOK LVESHGFEDYMK LVESHGFEDYMK ox LVESHGFEDYMKELGVGLALR LVESHGFEDYMKELGVGLALR ox MGAMAKPDCIITLDGNLTVK ox ox MVVECMNNAICTR ox MVVECMNNAICTR ox ox TETVCTFTDGALVQHOK TTVFSTLGEK TTVFSTLGEKFEETTADGR

		WEGKESTITR
gi 119810	Fatty acid-binding protein, liver	AMGLPEDIQK AMGLPEDIQK ox AMGLPEDIQK GK AMGLPEDIQK GK ox GVSEIVHEGK GVSEIVHEGK K MEGDNKMVITFK ox ox MVTTFKGIK SVTEFNGDTITNTMTLGDIVYK SVTEFNGDTITNTMTLGDIVYK ox SVTEFNGDTITNTMTLGDIVYKR SVTEFNGDTITNTMTLGDIVYKR ox VIHNEFTLGEECELETMTGEK VIHNEFTLGEECELETMTGEK ox VIHNEFTLGEECELETMTGEKVK VIHNEFTLGEECELETMTGEKVK ox VKLTITYGSK YQVQSQENFEPFMK ox YQVQSQENFEPFMKAMGLPEDIQK ox ox
gi 38181803	Ferritin light chain (Ferritin L subunit)	ALFQDVQKPSQDEWVK ELAEERK LLKLQNER LQNERGGR MGNHLTNLR ox MGNHLTNLRR MGNHLTNLRR ox NLNQALLDLHALGSAR QNYSTEVEAAVNR TDPHLCDFLESHFLDKEVK TLEAMEAALALEK ox VAGPQAQTGVAQASLGEYLFER
gi 6978859	Ferritin, heavy polypeptide 1	ELGDHVTNLRK IFLQDIK IFLQDIKKPDR MGAPESGMAEYLFDKHTLGHGDES ox ox QNYHQDSEAAINR SIKELGDHVTNLR SVNQSLLELHK YFLHQSHEREHAEK
gi 1706800	Fibrinogen alpha/alpha-E chain precursor	FGSLTSNFKEFGSK GDFANANNFDNTFGQVSEDLRR GLIDEANQDFTNR MADEAASEAHQEGDTR MHPELGSFYDSR MHPELGSFYDSR ox MKIRPLVGQ MSPVPDLVPGSFK ox NSLDFQK RLEVVDIK SQLQEGPPEWK TSDSDIFTDIENPSSHVPEFSSSK VIEKAQQIQLQK
gi 1706801	Fibrinogen beta chain[Precursor]	AHYGGFTVQTEANK AHYGGFTVQTEANKYQVSVNK ARPAKVDAGQK CHAANPNGR EDGGGWYVNR EDGGGWYVNRCHAANPNGR GFGNIATNEDTKK GGETSEMYLIQPDTSKPYR ox GHRPVDRR GSWYSMRR ox HGTDDGVVWMNWK ox IRPVFPQ KEEPPSLRPAPPISGGGYR KGETSEMYLIQPDTSKPYR KGETSEMYLIQPDTSKPYR ox LYIDETVNDNIPLNLR MSMKIRPVFPQ ox ox QCSKEDGGGWYVNR QDGSVDFGRK QTLNHERPIK SILEDLRK TENGGWTVIQNR YCGLPGEYWLGNDKISQLTR YYWGLYSWDMK
gi 1346007	Fibrinogen gamma chain [Precursor]	AIQVYVNPDPKPKMIEGATQK ox CHAGHLNGVYYQGGTYSK DNCILLDER IQLKDWVSGR LSIQDGGQHHMGGSK ox QVSVEHEVDVEYP TSTADYAMFR TSTADYAMFR ox VGPESDKYR WYSMKETTMK ox

		YEALLTHESSIR YLQDIYTSNK YLQDIYTSNKQK
gi 21431757	Formimidoyltransferase-cyclodeaminase	AFAACLGAIK AFAACLGAIKLPK AGEYEALPEK ALETGVFGAYFNVLINLK ALLDAAAFYCDKEK EAQELNLPVVGSQLVGLVPLK FLIAFNINLLSTKEQAHR GVSMDECVLCAK GVSMDECVLCAK ox HRISLLQEAK IALNLRQGR IEYLVPSDGPESLLDASLR ISSLLQEAK KFLIAFNINLLSTK KVQGIGWYLEEK LAEELNVPVYLYGEEAQMPSR ox LFVLEEEHR LFVLEEEHRIR LGLDSLAPFDPK LGLDSLAPFDPKER LIPPFHAASAQLTSLVDADAR LKQAEWVPDFGPFSSFPVSWGATVTGAR MGALDVCFFIPVR MGALDVCFFIPVR ox NLAQVSTNLLDFEVTALHTVYEEAR NLAQVSTNLLDFEVTALHTVYEEARR NTPEERDR QAEWVPDFGPFSSFPVSWGATVTGAR QFDHLDSTM QFDHLDSTM ox QFDHLDSTMRR QFDHLDSTMRR ox REAQELNLPVVGSQLVGLVPLK RLIPPFHAASAQLTSLVDADAR RTCALQEGLR SAAPGGGSVAAAVALGAALASVMGQMTYGR ox SAAPGGGSVAAAVALGAALASVMGQMTYGR ox ox TASQLIDMR TASQLIDMR ox TASQLIDMRK TASQLIDMRK ox TCALQEGLR TCALQEGLRQAVAVPLK TQAALVLSLEAR TVYTFVGQPECVVEGALSAAR VQGIGWYLEEK
gi 119740	Fructose-1,6-biphosphatase	AGGLATTGNEDILDIVPTEIHQK AGGTGEMTQLLNSLCTAIK AGGTGEMTQLLNSLCTAIK ox AGGTGEMTQLLNSLCTAIKAISSAVR ox AKSRPSLPLPQSR APVIMGSTEDVQEFLEIYNKDK APVIMGSTEDVQEFLEIYNKDK ox ARESPVHSICDEL DFDPAINIYIQR DFDPAINIYIQRK ESPVHSICDEL FPPDNSAPYGAR FVLEEGRK GNIYSINEGYAK KAGGTGEMTQLLNSLCTAIK ox KFPDNSAPYGAR KNIYSINEGYAK KLDILSNDLVINMLK LDILSNDLVINMLK ox LLYECNPIAYVMEK ox LRLLYECNPIAYVMEK LRLLYECNPIAYVMEK ox QAGIAQLYGIAGSTNVTGDQVK QAGIAQLYGIAGSTNVTGDQVKK SRPSLPLPQSR SSYATCVLVSEEDTHAIIIEPEKR TLVYGGIFLYPANK TLVYGGIFLYPANKK TSANEPSEKDALQPGR YVGSMDVADVHR YVGSMDVADVHR ox YVCFDPLDGSSNIDCLASIGTIFGIYRK
gi 113612	Fructose-bisphosphate aldolase B	ALQASALAAWGGK ATQEA FMK ox ATQEA FMK ATQEA FMK ox AVANCQAAQQQYVHTGSSGAASTQSLFTASYTY CPLRPWK ELSEIAQR ETTIQGLDGLSER FPALTSEQK

		GILAADESVGTMGNR GILAADESVGTMGNR ox GIVVGIKLDQGGAPLAGTNK KATQEA FMK ox KELSEIAQR KYTPQVAMATVTALHR KYTPQVAMATVTALHR ox LDQGGAPLAGTNK LDQGGAPLAGTNKETTIQGLDGLSER YTPEQVAMATVTALHR YTPEQVAMATVTALHR ox
gi 120605	Fumarate hydratase, mitochondrial [Precursor]	AAAEVNQEYGLDPK AFGLKR AIEMLGELGSK AIEMLGELGSK ox AIEMLGELGSKKPVHPNDHVNK ox EFAQVIK IANDIRFLGSGPR IGFAEKVAAK IGGATERM PIPVIK IGGATERM PIPVIK ox INKLMNESLMLVTALNPHIGYDK ox ox IYELAAGGTAVGTGLNTR KPVHPNDHVNK LLGDASVSFTENCVVGIQANTER RAAAEVNQEYGLDPK SGLGELILPENEPGSSIMPGK ox SKEFAQVIK SQSSNDTFPTAMHIAAALEHVQVLLPGLQK ox STMNFKIGGATER ox TAIELGYLTAEQFDEWVKPKDMLGPK ox THTQDAVPLTLGQEFSGYVQQVQYAMER THTQDAVPLTLGQEFSGYVQQVQYAMER ox
gi 119779	Fumarylacetoacetase	AIDVGGQTR AQEHIFGMVLMNDWSAR AQEHIFGMVLMNDWSAR ox AQEHIFGMVLMNDWSAR ox ox ASLQNLLSASQAQLR ASLQNLLSASQAQLRDDK ASSVVVSGTPIR DIQQWEYVPLGPFLGK ENALLPNWLHLPVGYHGR FGEPIPIK GEGMSQAATICR GKENALLPNWLHLPVGYHGR HLFTGPVLSK HQHVFEETLNSFMGLGQAAWK HQHVFEETLNSFMGLGQAAWK ox IGVAIGDQILDLSVIK IGVAIGDQILDLSVIKHLFTGPVLSK LDMELEMAFFVGPNGR LDMELEMAFFVGPNGR ox LDMELEMAFFVGPNGR ox ox RLDMELEMAFFVGPNGR RLDMELEMAFFVGPNGR ox RLDMELEMAFFVGPNGR ox ox RPMGQMRPDNSKPPVYGASK ox RPMGQMRPDNSKPPVYGASK ox ox SFGTTISPWVVPMDALMPFVVPNPK ox SFGTTISPWVVPMDALMPFVVPNPK ox ox TFLLDGDEVITGHCQGDGYR VGFGQCAGK
gi 34875142	Galactokinase 1	AEHSFAGVPCGIMDQLIALLGQK ox AFMEEFGAEP ELAVSAPGR AFMEEFGAEP ELAVSAPGR ox GYALLIDCR HSLASSEYPIR HSLASSEYPIRR HVVSEIRR LTVLITNSNVR MEELEAGRELSK MEELEAGRELSK ox QCEEVAQALGKESLR RAFMEEFGAEP ELAVSAPGR RAFMEEFGAEP ELAVSAPGR ox RQCEEVAQALGK SLETSLVPLSDPK SLETSLVPLSDPKLTVLITNSNVR TAQGAAALS TDGLVSLTTSK
gi 34862000	Galactose mutarotase	ASDVVLGFAELEGYLQK EPNSLHGGFR EYHLPINREPNSLHGGFR FTVDGKEYHLPINR GRFTVDGK HLQSYHIHGFHDHNFCLK HLQSYHIHGFHDHNFCLKESK KPVELGKHLQSYHIHGFHDHNFCLK QPYFGAVVGR

		TVFGELPSGGGAVEK TVFGELPSGGGAVEKFQLR VHHAASGR VLWTPQVLSNGVQFSR
gi 120733	Glucose-6-phosphate dehydrogenase	DGLLPEDTFIVGYAR DLQSSNQLSNHISLFR DVAGDIFHQQCK DVAGDIFHQQCKR EKQPIPIVYVYGSR GGYFDEFGIIR GPTAEDELMK GPTAEDELMKR GPTAEDELMKR ox IFGPIWNR IFTPLLHKIDR IIVEKPFGR KQSEPFK LFYLALPPTVYEAATK LILDVFCGSQMHFVR LILDVFCGSQMHFVR ox LQFRDVAGDIFHQQCK NIQEICMSQTGWNR ox NSYVAGQYDDPASYK NVKLPDAYER SDELREAWR SRLTVDDIR TQVCGILR VGFQYEGTYK VQPNEAVYTK VTPEERPK VTPEERPKLEEFFAR WDGVPFILR
gi 23396508	Glutamate carboxypeptidase-likeprotein1	ALKTVFGVEPDLTR AVFQYIDENQDR EGGSIPVTLTFQEATGK FAELQSPNFK GSTDDKGPVAGWMNALEAYQK ox LAEWVAIQSVSAWPEKR LNRLNYIEGTK LPDGSEIPLPILLGK LVPDPIPEVSEVSSYLSK LVPDPIPEVSEVSSYLSK ox NKPCITYGLR NVMLLPVGSADDGAHSQNEK NVMLLPVGSADDGAHSQNEK ox QKLPDGSEIPLPILLGK TGQEIPVNLR TVFGVEPDLTR YPSLSLHGIEGAFSGSGAK
gi 118542	Glutamate dehydrogenase 1, mitochondrial precursor	AQHSQHRTPCK CAVVDVPPFGGAK CVGVGESDGSIWNPDGIDPK DDGSWEVIEGYR DDGSWEVIEGYRAQHSQHR DIVHSGLAYTMER DSNYHLLMSVQESLER DSNYHLLMSVQESLER ox ELEDFKLQHGSLGFPK FGKHGGTIPVPTAEFQDR GASIVEDKLVEDLK GFIGPGIDVPAPDMSTGER ox HGGTIPVPTAEFQDR HYSEAAADR IIKPCNHVLSLSPFIR IIKPCNHVLSLSPFIRR ISGASEKDIVHSGLAYTMER ox KGFIFPGIDVPAPDMSTGER KGFIFPGIDVPAPDMSTGER ox LQHGSILGFPK LTFKYER MVEGFFDR MVEGFFDR ox NLNHVSYGR NYTDNELEK NYTDNELEKITR RDDGSWEVIEGYR RFTMELAK RFTMELAK ox TAAVYNAIEK TAAVYNAIEKVFK TAMKYNLGLDLR TAMKYNLGLDLR ox TFVVQGFVGNVGLHSMR TFVVQGFVGNVGLHSMR ox VFKVYNEAGVTFT VYEGSILEADCDILIPAASEK YLHRFGAK YNLGLDLR YSTDVSVDEVKALASLMTYK

gi 118543	Glutamate dehydrogenase mitochondr. precursor	AKVVEGSILEADCILIPAASEK AQHSQHRTPCK CAVVDVPFGGAK CVGVGESDGSIWNPDGIDPK DDGSWEVIEGYR DDGSWEVIEGYRAQHSQHR DIVHSGLAYTMER DIVHSGLAYTMER ox DSNYHLLMSVQESLER DSNYHLLMSVQESLER ox DSNYHLLMSVQESLERK ox ELEDFKLQHGSLGFPK ENEEQKR FGKHGGTIPVVPTAEFQDR FTMELAKK ox GASIVEDKLVEDLK GFIGPGIDVPAPDMSTGER ox GVFHGIENFINEASYMSILGMTPLGLGDK ox ox HGGTIPVVPTAEFQDR IIPCNHVLSLSFPIR IIPCNHVLSLSFPIR ISGASEKDIVHSGLAYTMER ISGASEKDIVHSGLAYTMER ox KGFIPGIDVPAPDMSTGER ox LQHGSLGFPK LTFKYER MVEGFFDR MVEGFFDR ox NLNHVSYGR NYTDNELEK NYTDNELEKTR RDDGSWEVIEGYR RFTMELAK RFTMELAK ox TAAVYNAIEK TAAVYNAIEKVFK TAMKYNLGLDLR TAMKYNLGLDLR ox TFVVQGFQVGLHSMR TFVVQGFQVGLHSMR ox VFKVYNEAGVTFT VVEGSILEADCILIPAASEK VVEGSILEADCILIPAASEKQLTK YLHRFGAK YNLGLDLR YSTDVSVDEVKALASLMTYK YSTDVSVDEVKALASLMTYK ox
gi 38181948	Glutamine synthetase	AMREENGLR AMREENGLR ox AYDPKGGLDNAR AYGRDIVEAHYR DPNKLVFCEVFK GYFEDRRPSANCDPYAVTEAIVR IQLMYIWVDGTGEGLR ITGTNAEVMPAQWFEFQIGPCEGIR ox MGDHLWVAR MGDHLWVAR ox QMYMNLQGEK ox RLTGFHETSNINDFSAGVANR RPSANCDPYAVTEAIVR TCLLNETGDEPFQYKN YNRKPATNLR
gi 121668	Glutathione peroxidase	AHPLFTFLR CEVNGEKAHPLFTFLR DYTEMNDLQKR DYTEMNDLQKR ox FLVGPDPVPR FLVGPDPVPRR FRTIDIEPDIEALLSK GLVVLGFPCNQFGHQENGNKEEILNSLK LSAVAQSTVYAFSARPLAGGEPVSLGSLR LSAVAQSTVYAFSARPLAGGEPVSLGSLRGK NALPAPSDPTALMTDPK ox NDISWNFEK TIDIEPDIEALLSK TIDIEPDIEALLSKQPSNP VLLIENVASLCGTTTR YIIVSPVCR YVRPGGGFEPNFTLFK YVRPGGGFEPNFTLFKCEVNGEK
gi 16758750	Glutathione reductase	DAYVSRLLNNYQNNLTK DNVKIYSTAFTPMYHAVTTR GVYAVGDVCGK IYSTAFTPMYHAVTTR ox IYSTAFTPMYHAVTTRK IYSTAFTPMYHAVTTRK ox LFEGKEDSR LGIQTDKGHILVDEFQNTNVK LNNYQNNLTK

		SKFNWHVIK TSLMIRHDK ox VVGHHMQGIGCEMLQGFVAVKMGATK ox ox
gi 121714	Glutathione S-transferase 8	AILSYLEAAK AILSYLEAAKYNLYGK APQEEESLALAVK DGLLFGQVPLVEIDGMLLTQTR ox ISNIPTIKK KFLQPGSQR KPPPDGHYVDVVR LYYFQGR NRYFPVFEK WLLATAGVEFEFEEFLETR YNLYGKDLK
gi 13928688	Glutathione S-transferase A5	ADVYLQVLYHVEELDPSALANFLLK AILNYIATK AILNYIATKYNLYGK ALIDMYAEGVADLDEIVLHYPYIPPGEK ox FLQPGSQR GRMEPIR GRMEPIR ox KFLQPGSQR KPLEDEKCVESAVK LRNDGSLMFQQVPMVEIDGMK ox LRNDGSLMFQQVPMVEIDGMK ox ox LRNDGSLMFQQVPMVEIDGMK ox ox ox NDGSLMFQQVPMVEIDGMK ox ox NRYFPAFEK PGKPVLYHFDGR SHGQDYLVGNR TRDDLAR VLKSHGQDYLVGNR VSNLPTVK VSNLPTVKK WLLAAAGVEFEEQFLK YFPAFEK
gi 204503	Glutathione S-transferase Yb-1	ADIVENQVMDNR ADIVENQVMDNR ox CLDAPNPKDFLAR FKLGLDFPNLYLIDGSR GLTHPIRLLLEYTDSSYEK HHLCGETEEER HHLCGETEEERIR IITHPNFNGNTLDNDIM(ox)LIK IRADIVENQVMDNR IRADIVENQVMDNR ox ISAYMNCSR ISAYMNCSR ox ITQSNAIMRYLAR ox KHHLCGETEEER KISAYMNCSR KITQSNAIMR KITQSNAIMR ox LGLDFPNLYLIDGSR LGLDFPNLYLIDGSRK LLELYTDSSYEK LLELYTDSSYEK LYSEFLGK MKLYSEFLGK ox MQLIMLCYNPDFEK MQLIMLCYNPDFEK ox MQLIMLCYNPDFEK ox ox PMILGYWNVNVR PMILGYWNVNVR ox QKPEFLK RPWFAGDK TIPEKMK VTYVDFLAYDILDQYHIFEPK YAMGDAPDYDR YAMGDAPDYDR ox YAMGDAPDYDRSQWLNEK YAMGDAPDYDRSQWLNEK ox YLSTPIFSK
gi 1170084	Glutathione S-transferase Yc-1	ADVYLQVLYHVEELDPSALANFLLK AILNYIATK AILNYIATKYNLYGK ALIDMYAEGVADLDEIVLHYPYIPPGEK ox FLQPGSQR GRMEPIR GRMEPIR ox KFLQPGSQR KPLEDEKCVESAVK LRNDGSLMFQQVPMVEIDGMK ox LRNDGSLMFQQVPMVEIDGMK ox ox LRNDGSLMFQQVPMVEIDGMK ox ox ox NDGSLMFQQVPMVEIDGMK ox ox NRYFPAFEK PGKPVLYHFDGR SHGQDYLVGNR

		TRDDLAR VLKSHGQDYLVGNR VSNLPTVK VSNLPTVKK WLLAAAGVEFEEQFLK YFPAFEK
gi 1170038	Glutathione synthetase	ALKQIEINTISASFGGLASR ASYILMEK ox CPDIATQLAGTK CPDIATQLAGTKK DGYMPSQYNAQNWEAR DGYMPSQYNAQNWEAR ox EGIAQTVFLGLNR GSLDQNR HVLNVLNK HVLNVLNKTNEASK ILSNNSKGLALGIAK KVQQELSR LFDIYKQVLK LFMEDQEVAVVYFR LFMEDQEVAVVYFR ox QIEINTISASFGGLASR QLEELAQAIDR QVLKEGIAQTVFLGLNR RFEDVSER SDYMFQCSADGSK ox SDYMFQCSADGSKALK AIEHADGGVAAGVAVLDNPPYV TKAIEHADGGVAAGVAVLDNPPYV VGLLEALLPGQPEAVAR
gi 12585231	Glutathione transferase omega 1	FCPPAQRMLMVLK GIRHEIINLTK GSAPPVPEGQIR HEIINLTK KEDHPGIK KLPDDPYEK LEALELNECIDHTPK LEALELNECIDHTPKLK LFPDDPYEK LWMATMQEDPVASSHFIDAK ox ox MTFELSK ox MTFELSKVPSLVSFIR MTFELSKVPSLVSFIR ox NKPEWFFEK SLGKGSAPPVPEGQIR TYRDYLSLYLQDSPEACDYGL VPSLVSFIR
gi 121719	GlutathioneS-transferase yb2	CLDAFPNLKDFVAR FKLGLDFPNLPYLIDGSHK FLSKPIFAK HNLCGETEER IRVDVLENQAMDTR IRVDVLENQAMDTR ox ITQSNAILR ITYVDFLVYDVLQHR ITYVDFLVYDVLQHRIFEPK KHNLCEEEEE KKPEYLEGLEPK LFLEYTDTSYEDKK LGLDFPNLPYLIDGSHK LGLDFPNLPYLIDGSHKITQSNAILR LQLAMVCYSPDFER LQLAMVCYSPDFER ox LYSEFLGK MKLYSEFLGK PMTLGYWDIR PMTLGYWDIR ox PMTLGYWDIRGLAHAIR PMTLGYWDIRGLAHAIR ox SGRFLSKPIFAK YSMGDAPDYDR ox YSMGDAPDYDRSQWLSEK ox
gi 8393418	Glyceraldehyde-3-phosphate dehydrogenase	AENKLVINGKPITIFQER DGRGAAQNIIPASTGAAK GAAQNIIPASTGAAK IVSNASCTTNCLAPLAK LISWYDNEYGYSNR LTGMAFR ox LTGMAFRVPTPNVSVVDLTCR ox LVINGKPITIFQER LVINGKPITIFQERDPANIK LWRDGR VGVNGFGR VIHDNFGIVEGLMTTVHAITATQK VIHDNFGIVEGLMTTVHAITATQK ox VIISAPSADAPMFVMGVNHEK ox VIISAPSADAPMFVMGVNHEKYDNSLK VIISAPSADAPMFVMGVNHEKYDNSLK ox VIPELNGK

		VKVGVNGFGR VTPNVSVVDLTCR VTPNVSVVDLTCRLEKPAK VVDLMAYMASKE VVDLMAYMASKE ox VVDLMAYMASKE ox ox WGDAGAERYVVESTGVFTTMEK WGDAGAERYVVESTGVFTTMEK ox
gi 3122139	Glycerol kinase	AGALEGVPISGCLGDQSAALVGMCFQDGGQAK ox AVLGPLVGAVDQGTSSSTR CHIAFAALEAVCFQTR CVFSEHGLLTTVAYK DCGIPLSHLQVDGGMTSNK ox DKPVVYALEGSVAIAGAVIR EILDAMNR EILQSVYECIEK EILQSVYECIEKTCEK ETTVVWDK FEPQINAESEIR GIICGLTQFTNK IPGNNNFVK KAVLGPLVGAVDQGTSSSTR KVQEAVEENR LQQLNIDISNIK LQQLNIDISNIKAIGVSNQR LTGEPLNAVWLDLR NTYGTGCFLCNTGHK SSSEIYGLMK SSSEIYGLMK ox TAELLSHHQVEIK TAELLSHHQVEIKQEFPR VQEAVEENR WLLDNVKK WLRDNLGIK
gi 3023880	Glycerol-3-phosphate dehydrogenase[NAD+], cytoplasmic	ANTIGISLIK ELHSILQHK FCETTIGCKDPAQGQLLK GLVDKFPFLTAVYK ICDQLKGHLK ITVVQEVDTVEICGALK IVGSNASQLAHFDP KLTEIINTQHENVK KVCIVGSGNWGSAIAK LFCSGSVSSATFLESCGVADLITTCYGG LPPNVVAVPDVVQAATGADILVFVPHQFIGK LTEIINTQHENVK NIVAVGAGFCDGLGFGDNTK SIEQLEKEMLNGQK ox VCIVGSGNWGSAIAK VTMWVFEEDIGGR ox
gi 121557	Glycerol-3-phosphate dehydrogenase[NAD+], cytoplasmic	ELHSILQHK GLVDKFPFLTAVYK ITVVQEVDTVEICGALK KLTEIINTQHENVK LGLMEMIAFAK ox ox LQGPQTARELHSILQHK LTEIINTQHENVK NIVAVGAGFCDGLGFGDNTK SIEQLEKEMLNGQK ox VCIVGSGNWGSAIAK VTMWVFEEDIGGR ox
gi 121328	Glycine N-Methyltransferase	AHMVTLDYTVQVPGAGR AHMVTLDYTVQVPGAGR ox CQHSVLGDFKPYRPGQAYVPCYFIHVLKK GDQSEHR GDQSEHRLALK KEPAFDK LSYYPHCLASFTELVEAFGG MLKYALK ox NIASMRPGLLVIDHR ox NIYYKSDLTK NYDYILSTGCAPPK NYDYILSTGCAPPKNIYYK SDLTKDITTSVLTVNNK SLGVAAEGIPDQYADGEAAR SLGVAAEGIPDQYADGEAARVWQLYIGDTR TAEYKAWLLGLLR VWQLYIGDTR
gi 13324704	GrpE-like1, mitochondrial	ALADTENLR ALADTENLRQR ATQSVKPEEVSNNPHLK FDPYEHEALFHTPVEGK FDPYEHEALFHTPVEGKEPGTVALVSK HGLLRLDPIGAK NNGQNLEEDLGHCPEK SLYEGVMTEVQIQK ox TDPSSADKTLLEEK TLRPAALVGVVK

		TLRPALVGVVCKDA VFTKHGLLR VGYKLHGR
gi 120938	Guanidino acetate methyltransferase	AAPAAAYDTSDFHQLGKPVMER AAPAAAYDTSDFHQLGKPVMER ox EHWIIECNDGVFQR ENICTEVMALVPPADCR ENICTEVMALVPPADCR ox GGRVLEVGFGMAIAASR LLKPGGILTYCNLTSWGELMK LLKPGGILTYCNLTSWGELMK ox LQNWALKQPHK SKYTDITAMFEETQVPALLEAGFQR SKYTDITAMFEETQVPALLEAGFQR ox SSSAASPLFAPGEDCGPAWR VLEVFGFGMAIAASR VLEVFGFGMAIAASR ox VQQAPIKEHWIIECNDGVFQR WETPYMHSAAAAASR WETPYMHSAAAAASR ox YTDITAMFEETQVPALLEAGFQR YTDITAMFEETQVPALLEAGFQR ox YYAFQMITPLVTK YYAFQMITPLVTK ox YYAFQMITPLVTKH
gi 7533042	Guanine deaminase	ASDSPIDLFCGDFVGDISEAVIQK AVMVS NVLLINK ox AVMVS NVLLINKVNEK AVMVS NVLLINKVNEK ox DFDALLINPR EIGNFEVGKDFDALLINPR EWCFKPCEIR FLYLGD DR FLYLGD DRNIEEVYVGGK FQSTDVAEEVYTR FSLSCTETLMSELGNI AK FSLSCTETLMSELGNI AK ox FVSEMLQK FVSEMLQK ox GASIAHC PNSNLSSGLLNVL DVLK IGLGT DVAGGYSYMLDAIR IGLGT DVAGGYSYMLDAIR ox IVFLEESSQEK LAKEWCFKPCEIR LATLGGSQALGLDR NIEEVYVGGK NYTDVYDKNNLLTNK QVVPFSSV RAVMVS NVLLINK RFQSTDVAEEVYTR SLTLKEVFR THDLYIQSHISENREEIEAVK TPQLALIFR TVMAHG C YLSEEE LNVSER TVMAHG C YLSEEE LNVSER ox VCM DLNNTVPEYK VCM DLNNTVPEYK ox YTFPTEKR
gi 24025637	Heat shock 70kDa , protein 4	AFSDPFVEAEK AGGIETIANEYS DR CTPACVSFGPK EDIYAVEIVGGATR EFSITDVVPYPISLR FDEVLVNHFCEEFGKK FLEMCDLLAR FLEMCDLLAR ox FQSEERPK FVSEDDRNNFTLK GCALQCAILSPAFK NAVEEYVYEMR NAVEEYVYEMR ox NTVQGFKR QDLPAL E EKPR QVYVDKLAELR SNLAYDIVQLPTGLTG I K SVMDATQIAGLNCLR SVMDATQIAGLNCLR ox VLATAFD TTLGGR VLTFRK VNVHGIFSVSSAALVEVHK
gi 121574	Heat shock 70kDa, protein 5	AKFEELNMDLFR AKFEELNMDLFR ox ALSSQHQAR DAGTIAGLNVMR DAGTIAGLNVMR ox DNHLLGTFDLTGIPPAPR EFFNGKEPSR ELEEVQPIISK FEELNMDLFR

gi|13242237 Heat shock protein 8

FEELNMDLFR ox  
IEIESFFEGEDFSETLTR  
IEWLESHQDADIEDFK  
IEWLESHQDADIEDFKAK  
IINEPTAAAIAYGLDK  
IINEPTAAAIAYGLDKR  
ITTTNDQNR  
ITPSYVAFTPEGER  
KSQIFSTASDNQPTVTIK  
KTKPYIQVDIGGGQTK  
KVTHAVVTVPAYFNDAQR  
LSPEDKETMEK  
LTPPEIER  
LYGSGGPPPTGEEDTSEKDEL  
NELESYAYSLK  
NELESYAYSLKNQIGDK  
NQLTSNPENTVFDK  
RALSSQHQR  
SDIDEIVLVGGSTR  
SQIFSTASDNQPTVTIK  
TFAPEEISAMVLT  
TFAPEEISAMVLT ox  
TKPYIQVDIGGGQTK  
TWNDPVSVQD  
VEIANDQGNR  
VMEHFIK ox  
VTAEDKGTGNK  
VTHAVVTVPAYFNDAQR  
VYGERPLTK

gi|58865966 Heat shock protein gp96

ARFEELNADLFR  
DAGTIAGLNVL  
DNNLLGKFELTGIPPAPR  
FEELNADLFR  
FELTGIPPAPR  
GPAVGIDLGTYSYCVGFQHGK  
GVPQIEVTFDIDANGILNVSAVDK  
HWPFMVVNDAGRPK  
HWPFMVVNDAGRPK ox  
IINEPTAAAIAYGLDK  
IINEPTAAAIAYGLDKK  
ILDKCNHISWLDK  
ITTTNDKGR  
LDKSIHQDIVLVGGSTR  
LLQDFNFK  
LLQDFNFKELNK  
LSKEDIER  
MKEIAEAYLKG ox  
MVNHFAEFK  
MVNHFAEFK ox  
MVNHFAEFKR  
MVNHFAEFKR ox  
NQVAMNPTNTVFDK ox  
NQVAMNPTNTVFDKR  
NQVAMNPTNTVFDKR ox  
NSLESYAFNMK ox  
QATKDAGTIAGLNVL  
QTQTFTTYSNQPGLIQQVYEGE  
RFDDAVVQSDMK  
SFYPEEVSSMVLTK  
SFYPEEVSSMVLTK ox  
SINPEAVAYGAQAAILSGDK  
SQIHDIVLVGGSTR  
TLSSSTQASIEIDSLYEGIDFYTSITR  
TTPSYVAFTDTER  
TTPSYVAFTDTERLIGDAAK  
TVTNAVVTVPAYFNDSQR  
VEIANDQGNR  
VQVEYKGETK

AYGDRIER  
EFEPLLNWMKDK  
ELISNASDALDKIR  
FAFQAEVNR  
GLFDEYGSK  
GVVSDDDLPLNVS  
HPLIRDMLR  
HPLIRDMLR ox  
IYFMAGSSR  
IYFMAGSSR ox  
KEAESSPFVER  
KTFEINPR  
KYSQIFNFIYVWSSK  
LGVIEDHSNR  
LGVIEDHSNRTR  
LIINSLYK  
LISLTDENALAGNEELTVK  
NLLHVTDTGVGMTR  
NLLHVTDTGVGMTR ox  
NLLHVTDTGVGMTREELVK  
NLLHVTDTGVGMTREELVK ox  
QDKIYFMAGSSR  
RVFITDDFHDMMPK ox

		RVFITDDFHDMPK ox ox SEKFAFQAEVNR SILFVPTSAPR TVMDLAVVLFETATLRSGYLLPDTK VFTDDFHDMPK ox ox YLFVKGVDSDDLPLNVS
gi 247242	Heat shock protein hsp60	AAVEEGIVLGGCALLR ALKIPAMTIK ox ALMLQGVDLLADAVAVTMGPK ox ox ALMLQGVDLLADAVAVTMGPKGR ox ox CEFQDAYVLLSEKK CIPALDSLKPANEDQK GIIDPTKVVR GRTVIEQSWGSPK GVMLAVDAVIAELKK ox GYISPYFINTSK GYISPYFINTSKGQK HPTVLRQMRPVSR ox ISSVQIVPALEIANHR LVQDVANNTNEEAGDGTATVLR NAGVEGLIVEK TLNDELEIIEGKMFDR ox TVIEQSWGSPK
gi 68568728	Heat shock protein HSP90-beta [Fragment]	ADHGPIGR ADHGPIGRGTK ALLFIPR AQALRDNSTMGYMAK ox ELKIDIIPNQR GVVDEDLPLNISR HFSVEGLEFR HLEINPDHPVETLR HSQFIGYPTLYLEKER IDIIPNQR KHLEINPDHPVETLR LGIHEDSTNR NLKLGIEDSTNR NNIKLYVR RAPDFLFENK RSELLR SIYYITGESKEQVANSFVER TKPIWTR TLTLVDTGIGMTKADLNLGTTIAK ox VILHLKEDQTEYLEER YHTSQSGDEMTLSLEYVSR YIDQEELNK YIDQEELNKTKPIWTR
gi 28467005	Heat shock protein1, alpha	ADLNLGTTIAK APFDLFENR APFDLFENRK EGLELPEDEEEKK ELHINLIPNKQDR ELISNSSDALDKIR FYEQFSK GVVDEDLPLNISR HFSVEGLEFR HIYFITGETK HLEINPDHSIETLR KHLEINPDHSIETLR LGIHEDSQNR SLTNDWEEHLAVK TDTGPMGRGTK VILHLKEDQTEYLEER YIDQEELNK
gi 3402102	Heat-Shock Cognate 70kd Protein 44kd Atpase N-Terminal Mutant With Cys 17 Replace dByLys	VQVEYKGETK DAGTIAGLNVLR VEIANDQGNR MVNHFAEFK ox FEELNADLFR MKEIAEAYLGK ox MVNHFAEFKR ox ARFEELNADLFR TTPSYVAFTDTER LLQDFNGKELNK QATKDAGTIAGLNVLR SFYPEEVSSMVLTK ox STAGDTHLGGEDFDNR MSKGPVAVGIDLTGTYSK IINEPTAAAIAYGLDKK NQVAMNPTNTVDAKR ox LDKSQIHDIIVLGGSTR TVTNAVVTVPAYFNDSQR
gi 1304381	Hemoglobin alpha chain	AADHVEDLPGALSTLSDLHAHK AADHVEDLPGALSTLSDLHAHKLK FLSHCLLVTLACHHPGDFTPAMHASLTK ox IGGHGGEYGEALQR LRVDPVNFK MFAAFPITTK MFAAFPITTK ox

		MVLSAADK MVLSAADK ox MVLSAADKTNIK ox TYFSHIDVSPGSAQVK
gi 122477	Hemoglobin alpha-1and alpha-2 chains	AADHVEDLPGALSTLSDLHAHK AADHVEDLPGALSTLSDLHAHKLR IGGHGGEYGEEALQR IGGHGGEYGEEALQRMFAAFPTTK ox KVADALAK LRVDPVNFK MFAAFPTTK MFAAFPTTK ox TYFSHIDVSPGSAQVK TYFSHIDVSPGSAQVKAHGK VLSADDKTNIK
gi 122514	Hemoglobin beta chain, major-form	AAVNLWGKVNPPDDVGGEALGR EFTPCAQAAFQK GTF AHLSELHCDK GTF AHLSELHCDKLHVDPENFR KVINAFNDGLK LHVDPENFR LLGNMIVIVLGHHLGK LLGNMIVIVLGHHLGK ox LLGNMIVIVLGHHLGKEFTPCAQAAFQK LLGNMIVIVLGHHLGKEFTPCAQAAFQK ox LLVVPWTQR VHLTDAEKA AVNGLWGK VINAFNDGLK VINAFNDGLKHLDNLK VNPDDVGGEALGR VVAGVASALAHK VVAGVASALAHKYH YFDSFGDLSSASAIMGNPK YFDSFGDLSSASAIMGNPK ox YFDSFGDLSSASAIMGNPKVK
gi 123036	Hemopexin precursor	CNADPGLSALLSDHR DYFISCPGR DYFISCPGRGHGK EDKVWVYPPEK ELGSPPGISLDTIDAAFSCPGSSK FNPVTGEVPPR FNPVTGEVPPRYPLDAR GATYAFSGSHYWR GECQSEGVLFFQGNR GECQSEGVLFFQGNRK GGNNLVSGYPK GGNNLVSGYPKR GHSGIRELISER KWFWDFATR LYVTSGRR NPVTSVDAEFR RLWWLDLK SGAQATWAE LSWPHEKVDGALCLEK SLPQPQKVNSILGCSQ VNSILGCSQ VWVYPPEK VYLIQGTQVYVFLTK WFWDFATR WKNPVTSDAAFR YYCFQGNK YYCFQGNKFLR
gi 19527048	Heterogeneous nuclear ribonucleoprotein F	ATENDIYNFFSPLNPVR DRANMQHR ox DRESMGHR ox FMSVQRPGPYDRPGTAR ox GLPYKATENDIYNFFSPLNPVR HSGPNSADSANDGFVR ITGEAFVQFASQELAEK SGAYSAGYGGYEEYSGLSDGYGFTTDLFGR SHRTEMWVVK SHRTEMWVVK ox SYSDPPLKFMSVQRPGPYDRPGTAR ox VHIEIGPDGR VTGEADVEFATHEEAVAAMSK ox VTGEADVEFATHEEAVAAMSKDR ox YGDSEFTVQSTTGHCVHMR ox YIEVFKSHR YIEVFKSQEEVR
gi 48429104	Heterogeneous nuclear ribonucleoprotein K	ALRTDYNASVSPDSSGPER GGDLMAYDRR GSDFDCELR GSYDGLGGPIITQVTIPK IILDISESPIK IILDISESPIKGR ILSADIETIGEILK ILSADIETIGEILKK LFQECCPHSTDR LLIHQSLAGGIIGVK

		NLPLPPPPPPR SRNTDEMVELR TDYNASVSPDSSGPER
gi 46577278	Heterogeneous nuclear ribonucleoprotein L	AITHLNNFMFGQK ox IEYAKPTR ISRPGSDDDSR LCFSTAQHAS MGPPVGGHRR ox MGPPVGGHRR ox NGVQAMVEFDSVQSAQR ox NNRFSTPEQAAK NPNGPYPYTLK SDALETLGFLNHYQMK SKPGAAMVEMADGYAVDR ox SKPGAAMVEMADGYAVDR ox ox VFNVFCLYGNVEK YYGGGNEGGR YYGGGNEGGRAPK
gi 20892457	Homogentisate 1,2-dioxygenase	CFYNSDGDFLVLPQK CFYNSDGDFLVLPQKGGK DFLIPVAWYEDR FSVDVFEETR LLIYTEFGK NCMSEFMGLIK ox ox QGGFLPGGSLHSAMTPHGPADCFEK ox SLRPGVAIADFVIFPPR SNNGLAVHIFLCNSSMENR ox TFRPPYYHR WGVADKTRPPYYHR WKPFEIPK YISGFGNECATEDPR YISGFGNECATEDPRCPGSLPK
gi 6226634	Hyaluronan mediated motility receptor	LLEYIEISCASDQVEK ELSAHLQQQLCSFQEEMTSER TAAHAQATVIAQEK YSDTAQTLR LENLTLQEKVAMAEK LENLTLQEKVAMAEKR
gi 34859262	Hydroxyacid oxidase 1	AIFVTVDTPYLGNR AIFVTVDTPYLGNRFDVDR AVFVGRPIIWGLAFQGEK FDDVRNR FKLPPQLR GDDAQEAVKHGVDGILVSNHGAR GILRGDDAQEAVK GNFGDNSGLAEYVAQAIDPSLSWDDIKWLR GTDVLKALALGAR GVQDVLEILKEEFR HGVDGILVSNHGAR KNPLAVSK LTSLPVVK LVCISDYEQHAR MKNFETNDLAFSPK MKNFETNDLAFSPK ox MLRNVADIDLSTVVGQR ox NFETNDLAFSPK RAEQMGYK RLTSLPIVVK SGANDQETLADNIR SVYDYYK SVYDYYKSGANDQETLADNIR TVLQKSVYDYYK VEVFLDGGVR VEVFLDGGVRK WKLYPR
gi 21729786	Hydroxyacyl glutathione hydrolase	ALLEVLGRLPPDTK EKTQQHAGETDPVTTMR ox FYEGTADEMYK FYEGTADEMYK ox IGALTHKVTHLSTLQVGSLSVK LEPGLKVYGGDDR LTTVLTTHHHWDHAGGNEK TVQQHAGETDPVTTMR TVQQHAGETDPVTTMR ox VTHLSTLQVGSLSVK VYCGHEYTVNNLKFAR VYCGHEYTVNNLKFAR VYGGDDRIGALTHK
gi 3913728	Hydroxyacylglutathione hydrolase	ALLEVLGRLPPDTK EKNAIGEPTVPSTLAEFTYNPFMR EKNAIGEPTVPSTLAEFTYNPFMR ox EKTQQHAGETDPVTTMR EKTQQHAGETDPVTTMR ox FYEGTADEMYK ox FYEGTADEMYKALLEVLGR ox HVEPGNTAVQEK HVEPGNTAVQEKLAWAK

		LEPGLKVYGGDDR LTTVLTTHHHWDHAGGNEK LVKLEPGLK NAIGEPTVPSTLAEFTYNPFM NAIGEPTVPSTLAEFTYNPFM ox TVQQHAGETDPVTTMR TVQQHAGETDPVTTMR ox VKLTTVLTTHHHWDHAGGNEK VYGGDDRIGALHTK
gi 2495261	Hydroxymethylglutaryl-CoA lyase, mitochondrial [Precursor]	LVGLASLR AASTSSMGTLPK AASTSSMGTLPKR WVPQMADHSDVLK LYSMGCYEISLGDITGVGTPGLMK GASGNLATEDLVYMLTGLGIHTGVNLQK
gi 123330	Hydroxymethylglutaryl-CoA synthase, mitochondrial [Precursor]	APLVLEQGLR CYAAYRR FNNVEAGKYTVGLGQTR GTHMENAYDFYKPNLASEYPLVDGK ox IGAFSYGSLAASFFSR LEVGTETIIDK LEVGTETIIDKSK LMFNDFLSSSSDKQNNLYK LMFNDFLSSSSDKQNNLYK ox LSIQCYLR MGFCSVQEDINSLCLTVVQR MGFCSVQEDINSLCLTVVQR ox MSPEEFTEIMNQR MSPEEFTEIMNQR ox MSPEEFTEIMNQR ox ox QAGNNQPFTLDDVQYMIFHTPFCK ox TKLPWDVAVGR VNFSPPGDTSNLFPGTWYLER
gi 19526926	Hypothetical protein LOC70984	APLVCLPVFVSK APLVCLPVFVSKDPGLDLR ETHAFGRD IAEVGGVPYLLPLVVK IAEVGGVPYLLPLVVKK KVYDLNEIAK TGELNFVSCMR VYDLNEIAK WLHFYEMK
gi 27717001	Hypothetical protein XP_216665	CDVLRNRFSGYNTR DENPKQHVPLEYSANLR DMVQYLR DMVQYLR ox GAGLENPVAVTIFFGANDSTLK GAGLENPVAVTIFFGANDSTLKDENPK IILPRIIR KGAGLENPVAVTIFFGANDSTLK LLPDWKDVEETKPELSLLGDGDH LNRLNVAVGEYAK LNVAVGEYAK QHVPLDEYSANLR QHVPLDEYSANLRDMVQYLR QHVPLDEYSANLRDMVQYLR ox SVDIPKER VILITPPPLCEAAWEK VILITPPPLCEAAWEKCEILK VLLFGDSITQFSFQGGWGTLADR WAKIILPR
gi 123501	Hypoxanthine-guanine phosphoribosyltransferase	DLNHVCVISESGK DVMKEMGGHHIVALCVLK ox DVMKEMGGHHIVALCVLK ox ox EMGGHHIVALCVLK EMGGHHIVALCVLK ox FFADLLDYIK FVVGVALDYNEHFR GGYKFFADLLDYIK LKSVCNDQSTGDIK NVLIVEDIIDTGKTMQTLLSLVK NVLIVEDIIDTGKTMQTLLSLVK ox SIPMTVDFIR SIPMTVDFIR ox SVGYRPDFVGFEPDK SYCNDQSTGDIK SYCNDQSTGDIKVIIGDDLSTLTGK TMQTLLSLVK TMQTLLSLVK ox VFIPHGLIMDR ox VIGDDLSTLTGK
gi 20302024	Hypoxia up-regulated 1 (150 kDa oxygen-regulated protein [Precursor])	MGYPYQPK ox YFQHLLGK LCQGLFFR TLGGLEMELR FTKPRPRPK TLGGLEMELR ox

		EAGTQPQLQIR QADNPHVALYR TKEAGTQPQLQIR DAVIYPILVEFTR MMALDREVQYLLNK MMALDREVQYLLNK oxox VAIVKPGVPMIEVLNKEISR ox
gi 543269	Ig heavy chain	DNARNNLYQMSSLR EGIYGYALYGM DYWGQTSVTV MNFGFSLI FLVLKGVQCEVK ox GGTTYYPDSVK MNFGFSLI FLVLK ox NNLYQMSSLR RLEWVASISR
gi 6754278	Isocitrate dehydrogenase 1 (NAD <sup>+</sup> ), soluble	ATDFVVP GPGKVEITYTPK FKDIFQEIYDK GQETSTNPIASIFAWSR GWPLYLSTK GWPLYLSTKNILK HAYGDQYR IWELIK IWELIKEK KIQGSVVEMQGD EMT R ox ox LILPYVELDLHSYDLGIENR LVTGWVKPIIIGR NILGGTVFR SDYLN TFEFMDK ox SDYLN TFEFMDKLG ENL K ox SEGGFIWACK SIEDFAHSS FQMALSK SIEDFAHSS FQMALSK ox TVEAAAHGTVTR
gi 16758446	Isocitrate dehydrogenase 3 (NAD <sup>+</sup> ) alpha	APIQWEER CSDFT EEICR CSDFT EEICRR DMANPT ALLLSAVMMLR ox ox DMANPT ALLLSAVMMLR ox ox ENTEGEYSGIEHVIVDGVVQS I K GPLKTP IAAGHPSMNLLLR GPLKTP IAAGHPSMNLLLR ox HMGLFDHAAK HMGLFDHAAK ox IAEFAFEYAR IEAACFATIKDGK IFDAAKAPIQWEER KTFDLYANVRPCV SIEGYK MGLKGPLK MSDGLFLQK NNHRSNVTAVHK NVT AIQGGGGK NVT AIQGGGGKWMIPPEAK ox RIAEFAFEYAR SNVTAVHKANIMR SNVTAVHKANIMR ox TP IAAGHPSMNLLLR TP IAAGHPSMNLLLR ox TP IAAGHPSMNLLLRK TP IAAGHPSMNLLLRK ox TPYTDVNVITIR WMIPPEAK ox
gi 1170478	Isocitrate dehydrogenase cytoplasmatic	ATDFVVP GPGKVEITYTPK DAAEAIK FEAQKIWYEHR FKDIFQEIYDK GQETSTNPIASIFAWSR GWPLYLSTK HAYGDQYR IHGGSVVEMQGD EMT R IHGGSVVEMQGD EMT R ox IHGGSVVEMQGD EMT R ox ox IWELIK IWELIKEK IWYEHR KIHGGSVVEMQGD EMT R ox KIHGGSVVEMQGD EMT R ox ox LIDDMVAQAMKSEGGFIWACK ox ox LILPYVELDLHSYDLGIENR LILPYVELDLHSYDLGIENRDATNDQVTK LVTGWVKPIIIGR NILGGTVFR NILGGTVFREAIICK NYDGDVQS DSV AQGYGSLGMMT SVLICPDGK ox SDYLN TFEFMDK SDYLN TFEFMDK ox SDYLN TFEFMDKLG ENL K SDYLN TFEFMDKLG ENL K ox SEGGFIWACK SIEDFAHSS FQMALSK SIEDFAHSS FQMALSK ox

		TVEAAAHGTVTR VTYLVDHFEEGGVAMGMYNQDK ox ox
gi 6647566	Iso citrate dehydrogenase cytoplasmatic	ATDFVVPVPGKVEITYTPK CATITPDEKR DLAACIKGLPNVQR FKDIFQEYDK GQETSTNPIASIFAWSR GWPLYLSTK GWPLYLSTKNILK HAYGDQYR IHGGSVVEMQGDDEMTR IHGGSVVEMQGDDEMTR ox IHGGSVVEMQGDDEMTR ox ox KIHGGSVVEMQGDDEMTR KIHGGSVVEMQGDDEMTR ox KIHGGSVVEMQGDDEMTR ox ox LILPYVELDLHSYDLGIENR LVTGWVKPIIIGR NILGGTVFREAIICK QMWKSPNGTIR QMWKSPNGTIR ox SDYLNTFEFMDK SDYLNTFEFMDK ox SDYLNTFEFMDKLGENLK SDYLNTFEFMDKLGENLK ox SEGGFIWACK SIEDFAHSSFQMALSK ox SQFEAQKIWYEHR TVEAAAHGTVTR TVEAAAHGTVTRHYR
gi 125052	Isovaleryl-CoA dehydrogenase, mitochondrial [Precursor]	ACDEGHITAK AQEIDQSNDFKNLR ASAAVGLSYGAHNSLNCINQIVR DAKLYEIGGGTSEVR EAFGQKIGQFQLMQGK ox GITAFIVEKDMPPGFSTK GITAFIVEKDMPPGFSTK ox GSNTCELVFEDCKVPAANILSQESK GVYVLMGSLDLER GVYVLMGSLDLER ox HTISKVQENLAPK IGQFQLMQGK KGDHYVLNGNK LISGEFIGALAMSEPNAGSDVVSMR ox LISGEFIGALAMSEPNAGSDVVSMR ox ox LVIGRAFNADEF LVLAGGPLGIMQAVLDHTIPYLHVR ox LYEIGGGTSEVR MADMYTRLMACR MADMYTRLMACR ox NLREFWK QYVYNVAR TDLTAVPASR
gi 3183535	Keratin complex 1, acidic, gene 18; keratin 18	DWGHYFK GPQGVRDWGHYFK IVLQIDNAR KVVDNITR LASYLDKVK LEAEIATYR LEAEIATYRR LQLETEIEALKEELLFMK ox NHEEEVQGLEAQIASSGLTVEVDAPK QAQYEYEAALLNIKVK QSVESDIHGLR QSVESDIHGLRK STTFSTNYR TLQTLEIDLDSMK TLQTLEIDLDSMK ox VKLEAEIATYR VKYETELAMR VKYETELAMR ox VRPASSAASVYAGAGGSGSR VVDNITR VVSETNDTR YETELAMR ox
gi 587518	Keratin, type I cytoskeletal (cytokeratin 18)	AQIFANSVDNAR AQYEQLAQK IMADIRAQYEQLAQK ox IVLQIDNAR KVVDNITR LQLETEIEALKEELLFMK ox QSVESDIHGLR QSVESDIHGLRK VKYETELAMR VKYETELAMR ox
gi 40354192	Keratin, type I cytoskeletal 10	ADLEMQIESLTEELAYLKK ox ALEESNYELEGK DAEAWFNEK

		GSLGGGFSSGGFSGGSFSR HGNSHQGEPR HGNSHQGEPRDYSK IKEWYEK IRLENEIQTYR LASYLDKVR LKYENEVALR NHEEEMKDLR NHEEEMKDLR ox NVQALEIELQSOLAK NVSTGDNVEMNAAPGVDLTQLLNMR NVSTGDNVEMNAAPGVDLTQLLNMR ox QSLEASLAETEGR QSVEADINGLRR SEITELRR SKELTTEIDNNEIQISSYK SQYEQLAEQNR SQYEQLAEQNRK TIDDLKNQILNLTDDNANILLQIDNAR VTMQNLNDR YENEVALR
gi 435476	Keratin, type I cytoskeletal 9	DQIVDLTVGNNK FSSSSGYGGSSR FSSSSGYGGSSRVCGR GGSGGSHGGGSGFGGESGGSYGGGEEASGSGGGYGGGSGK HGVQELEIELQSLSK HGVQELEIELQSLSK IKFEMEQLNR ox NHKEEMSQLTGQNSGDVNVEINVAPGK NYSPPYYNTIDDLKDQIVDLTVGNNK QFSSSYLSR QGVDADINGLR SDLEMQYETLQEELMALKK SQYEQLAEQNRK STMQELNSR TLLDIDNTR TLNDMRQYEQLIAK
gi 1708592	Keratin, type II cytoskeletal 8	AEAETMYQIKYEELQTLAGK ox AQYEEIANR ATLEAAIADAEQR ATLEAAIADAEQRGELAVK DGKLVSESSDIMSK ox DVDEAYMNKVELESR ox ELQSQISDTSVVLMSMDNSR ELQSQISDTSVVLMSMDNSR ox EYQELMNVK EYQELMNVK ox FLEQNKMLETK ox GSLGGFGGAGVGGITAVTVNQSLNPLK KLEGEESR LALDIEIATYRK LEDLKNALQK LEGLTDEINFLR LESGMQNMSIHTK ox LESGMQNMSIHTK ox ox LEVDPNIQAVR LKLEVELGNMQGLVEDFK ox LLEGEESR LLEGEESRLESGMQNMSIHTK ox LLEGEESRLESGMQNMSIHTK ox ox LQAEIDALKGQR NISRLQAEIDALK QIHHEEIR QIHHEEIRELQSQISDTSVVLMSMDNSR ox QLEALGQEK QLREYQELMNVK QLREYQELMNVK ox SKTEISEMNR SKTEISEMNR ox SLDMSIIAEVR SLDMSIIAEVR ox SNMDNMFESYINNLR ox ox SNMDNMFESYINNLR ox SNMDNMFESYINNLR ox ox SRAEAETMYQIK SRAEAETMYQIK ox SYKMSTSGPR ox TEMENEFVLIK ox TEMENEFVLIKK TEMENEFVLIKK ox TQEKEQIK VELESRLEGLTDEINFLR WSLLQQQK YEDEINKR
gi 400132	Ketohexokinase	CAFMGSLAHGHVADFLVADFR CAFMGSLAHGHVADFLVADFR ox CGLQGFDGIV DFEKVDLTR FGCQVAGKK FKWHIEGR

		GATLICAWAEEGADALGPDGQLLHSDAFPPPR GGNASNSCTVLSLLGAR GNSMQEALR GNSMQEALR ox GVDVSQVAWQSQGDTPCSCCIVNNSNGSR IEQYNATQPLQQK KCGLQGFDFIV SAGEALKGLYSR TIILYDTNLPDVS AK TIILYDTNLPDVS AKDFEK VSVEIEKPR VSVEIEKPREELFQLFGYGEVVFVSK VVDTLGAGDTFNASVIFSLSK
gj 27660286	Lactamase, beta 2	ANIYYPGHGPIVHNAAEK DGKIFSIASPAK DHSGGIVDICK DNLEESFSVSELR DNLEESFSVSELRK EEQITVFR IFSIA SPAK IFSIA SPAKK ILEYISHR ILEYISHRNRR MAEHNLLHLR MAEHNLLHLR ox MAEHNLLHLR ox NISNDATYCIK NISNDATYCIKK NNREEQITVFR NPQKEEIIIGSGEQYVYIEDGDLIK NVPENLHK QALAEFDTAIQEILVTHWHR RILIDTGEPSVPEYISCLK VKANIYPGHGPIVHNAAEK VLGCNPGPMTLQGTNTYLVGTGSR VLGCNPGPMTLQGTNTYLVGTGSR ox VLGCNPGPMTLQGTNTYLVGTGSR ox
gj 46485429	Lactoylglutathione lyase	AEPQPASSGLTDEAALSCSDPDPSTK GFGHIGIAPDVYEACKR KATLELTHNWGTEDDETQSYHNGNSDPR KSLDFYTR RFEELGVK TAWAFSRK VLGLTLLQK VLGLTLLQKLDFPSMK VLGLTLLQKLDFPSMK ox
gj 1346412	Lamin A	AAYEAEALGDARK AQHEDQVEQYKK AQNTWCGGSSLR ARLQLELSK DLEALLNSK EGDLLAAQAR IRIDLSAQLSQLQK ITESEEVVSR LADALQELR LEAALGEAKK LLEGEERLR LQTLKEELDFQK LRITSEEEVVS NIYSEELR NKSNEQSMGNWQIR ox NSNLVGAHEELQQR SGAQASSTPLSPTR SLETENAGLR SYLLGNSSPR TLEGELHDLRGQVAK VAVEEVDEEGKFVR
gj 8393693	Laminin receptor 1	ADHQPLTEASYVNLPTIALCNTDSPLR AIVAIENPADVSVISSR AVLKFAAATGATPIAGR FAAATGATPIAGR FTPGTFTNQIAAFR FTPGTFTNQIAAFREPR KSDGIYIINLK LLVVDPR SDGIYIINLK SDGIYIINLKR SGGLDVLQMK YVDIAPCENK
gj 18202835	Leucine aminopeptidase	ADMGGAATCSAIVSAAK ADMGGAATCSAIVSAAK ox ANKPGDVVR EMLNISGPPLK ox GITFDSGGISIK GITFDSGGISIKASANMDLMR ox ox GMSGRPRTLIEFLR HLMESPANEMTPTRFAEIEK ox ox KGMSGRPTR

		LFEASVETGDR LFEASVETGDRVWR LHSGDLEAWEK LHSGDLEAWEKGVLFASGQNLAR LNLPINIIGLAPLCENMPGK LNLPINIIGLAPLCENMPGK ox LREMLNISGPPLK LREMLNISGPPLK ox MPLFEHYTR MPLFEHYTR ox QVIDCQLADVNNLGKYR SAGACTAAAFRLR SAGACTAAAFRLREFVTHK SAGVDDQENWHEGKENIR SWIEEQEMGSFLSVAK SWIEEQEMGSFLSVAK ox TFYGLHQDFPSVVVGLGK TFYGLHQDFPSVVVGLGKR TIQVDNTDAEGR TIQVDNTDAEGRILADALCYAHTFNPK TLIEFLLR TRTFYGLHQDFPSVVVGLGK WAHLDIAGVMTNKDEIPYLR ox
gi 14249130	LIM and SH3 domain protein 1	ACFHCETCK EAQDSSSYR GFSVADTPELQR GKGFVVADTPELQR LKQQSELQSQVR MGPSGGEGIEPERR MGPSGGEGIEPERR ox QQSELQSQVR QSFTMVADTPENLR QSFTMVADTPENLR ox TQDQISNIKYHEEFK VNCLDKFVHK
gi 33187764	Liver regeneration-related protein LRRG03 Serotransferrin [Precursor]	ADRQYELLCLDNTR CISFRDHMK ox DCTGNFCLFR DGGGDVAFVK DLFWKGDK DLKQEDFQLLCPDGTK DLLFKDSAFGLLR DQYELLCLDNTR DSAFGLLRVPPR EGVCPESIDSAPVK EGYNGYTGAFQCLVEK EGYNGYTGAFQCLVEKGDVAFVK FDEFFSQGCAPGYK FDEFFSQGCAPGYK GDKDCTGNFCLFR GTDQFQLNQLQGGK GTDQFQLNQLQGGK GYYAVAVVK HQTVLENTNGK HTTIFEVLQKADR HTTIFEVLQKADR INHCKFDEFFSQGCAPGYK IPSHAVVAR KPVQYEDCYLAR KPVTEFATCHLAQAPNHVVVSR KSCHTGLGR KSCHTGVDL KTSYQDCIK LLEACTFHK LLEACTFHK LPEGTTYEEYLGAEYLQAVGNIR LYLGHSYVTAIR LYLGHSYVTAIRNQR MRFAVGALLACAALGLCLAVPDK ox NGDGKEDLIWEILK SAGWIPIGILLFCNLPEPR SKDFQLFGSPLGK TAGWNIPMGLLSR TAGWNIPMGLLSR ox TSYQDCIK VAQEHFGKGGK VPPRMDYR VPPRMDYR ox VSTVLTAAK WCALSHQER WCAVSEHENTK
gi 126051	L-lactate dehydrogenase A chain	DLADELALVDVIEDKLL DQLIVNLLKEEQVQNK FIIPNVVK FRYLMGER ox GEMMDLQHGSLFLK ox ox GEMMDLQHGSLFLKTPK ox GEMMDLQHGSLFLKTPK ox ox GLYGIKEDVFLSVPCILGQNGISDVVK LKGEMMDLQHGSLFLK ox ox

		LLIVSNPVDILTYVAWK NRVIGSGCNLDSAR NVNIFKFIIPNVVK QQEGESRLNLVQR QVVDSAYEVIK QVVDSAYEVIK RVHPISTMIK RVHPISTMIK ox SADTLWGIQK SADTLWGIQKELQF SLNPQLGTDADKEQWK VHPISTMIK VHPISTMIK ox VIGSGCNLDSAR VTLPDEEAR
gi 19173766	Lon	AGVTCILPAENR AGVTCILPAENR AQLSATVLTLLIK AQSVEEDHYGMEDVK ox DFSDLAPFITEGLEVHFVEHYR DRMEMINVSGYVAQEK ox ox EDKDGSLEVTGQLGDMVK ox EHQEALAVR ESVLQMMQAGQR ESVLQMMQAGQR ox ESVLQMMQAGQR ox ox EVGDELGAKPQLEMVTEATSDTSK EVGDELGAKPQLEMVTEATSDTSK ox EVLMVEVENVAHEDFQVTEEVK ox FSVGGMTDVAEIK FSVGGMTDVAEIK ox HVMDVVDEELSK HVMDVVDEELSK ox IAFPLREHQEALAVR IIQCLLK ILCFHGPPGVGK KYLLQEQLK LALLDNHSSEFNVTR LAQPYVGVFLK LAQPYVGVFLKR MEMINVSGYVAQEK MEMINVSGYVAQEK ox MEMINVSGYVAQEK ox ox QLEVEPEGLEPEAENKQK QSDENLDLAR RAGVTCILPAENR RTYVGAMPGK ox RVLEFIAVSQLR TENPLVLIDEVDK TENPLVLIDEVDKIGR TIRDIHALNPLYR TLCGLDESKAQLSATVLTLLIK VLEFIAVSQLR VLFICTANVDTIPEPLR VLFICTANVDTIPEPLRDR YLLQEQLK YLVPQARTLCGLDESK
gi 1172566	Low molecular weight phosphotyrosine protein phosphatase	AKIELLGSYDPQK EDFATFDYILCMDESCLR ox HGIHMQHAR HGIHMQHAR ox IDSAATSTYEVGNPPDYR IELLSYDPQK KHGHHMQHAR KHGHHMQHAR ox KLVTDENVSDNWR LVTDENVSDNWR QITREDFATFDYILCMDESCLR ox SPIAEAVFR SPIAEAVFRK SVLFCVCLGNICR SVLFCVCLGNICRSPIAEAVFR
gi 6981362	Lysophospholipase I	ASFSQGPINSANR DISVLQCHGDCDPLVPLMFGSLTVER ox GLVNPANVTFK IILGGFSQGGALSLYALTQQK KATAAVIFLHGLGDTGHGWAEAFAGIK LAGVTALSCWPLR LKGLVNPANVTFK VYEGMMHSSCQEMMDVK ox ox YFIDKLLPPID
gi 204261	Major urinary protein precursor	DNIIDLTK DNIIDLTKTDR EKIEENGSMR EKIEENGSMR ox ELYLVAYK IEENGSMR ox IKENGECR LCEAHGITR

		LNGDWFSIVASNKR NGETFQLMVLVYGR NGETFQLMVLVYGR ox TDYDRYVMFHINFK ox TPEDGEYFVEYDGGNTFTILK VFMQHIDVLENSLGFK VFMQHIDVLENSLGFK ox YVMFHINFK ox
gi 12083689	Major vault protein(MVP)	AEAARIEGEGSVLQAK ALQNFRDLR ALQPLEEGESEEEK AQALAIETEAELEER AQLELEVSKAQQLANVEAK DLRGVLHR DQAVFPQNGLVVSSVDVQSVPEVDQR DTQSSVLFDTGQVR EMELIYAR EMELIYAR ox GAVASVTFDDFHK GAVASVTFDDFHKNSAR GIQDVYVLSQQGLLLK GPLEYVPSAK GPLEYVPSAKVEVVEER GRVTGEEWLVV GTAKPLQPSAPR HEAQRLEEAR HYCIVANPVS IPPYHYIHVLDQNSNVSR LFSVPDFVGDACK LKAQALAIETEAELEER LQLQLAYNWHFELK LRHADQEIR NQLGQKR NRNDPAEAAK QAIPLDQNEGIYVQDVK SFFLQPGER SFFLQPGERLER SLGFTMATEEAIIR SLGFTMATEEAIIR ox SVGAYLPVAFEEVLDLVDVILTEK SVQLAIEITNSQEAAA SVQLAIEITNSQEAAAHEAQR TYIRQDNER VEVGPKTYIR VPHNAAVQVYDYR VREMELIYAR ox VRGAVASVTFDDFHK VSHQAGDCWLIR VTGEEWLVV VVSYRVPHNAAVQVYDYR
gi 15100179	Malate dehydrogenase cytosolic	DLDVAVLVGSMR DLDVAVLVGSMR ox ENFSCLTR EVGVYEALKDDSWLK FVEGLPINDFSREK GEFITTVQQR IFKSQGALEK NVIIWGNHSSTQYPDVNHAK SAPSIPKENFSCLTR SVKVIVVGNPANTNCLTASK TWKFVEGLPINDFSR VIVVGNPANTNCLTASK VLVTGAAGQIAYSLLYSIGNSVFGK
gi 42476181	Malate dehydrogenase, mit.precursor	AGAGSATLSMAYAGAR AGAGSATLSMAYAGAR ox AKAGAGSATLSMAYAGAR AKAGAGSATLSMAYAGAR ox ANTFVAELKGLDPA ANVKGYLGPEQLPDCLK EGVIECSFVQSK ETECTYFSTPLLLGK ETECTYFSTPLLLGKK FVSLVDAMNGK FVSLVDAMNGK ox FVSLVDAMNGKEGVIECSFVQSK ox GCDVVVIPAGVPR GLDPAVNVVPVIGGHAGK GYLGPEQLPDCLK GYLGPEQLPDCLKGCDVVVIPAGVPR HGVVYVNPKNIFGVTTLDIVR IFGVTTLDIVR ITPFEEKMIAEAIPELK ox LTLYDIAHTPGVAADLSHIETR MIAEAIPELK NLGIGKITPFEEK TIPLISQCTPK VAVLGASGGIGQPLSLLK VAVLGASGGIGQPLSLLKNSPLVSR VDFPQDQLATLTGR VNVVPVIGGHAGK

gi 19924063	MAWD Binding Protein	AAIGDTTVQDIQYSPDTR AAIGDTTVQDIQYSPDTRK AEDGIVLDFPLYPTFPQDFHEVKDLIK EMNLSETAFIR EMNLSETAFIR ox EMNLSETAFIRK ox GESGGQTPYDFYSR GGELDISLRPDGR GLILTVKGESGGQTPYDFYSR GNPAAVCLLESILQEDAHQQIAR IKNVNSTLTFVTLSGELK KLQPTDSFSQSSCFGLR LQPTDSFSQSSCFGLR LSDSYDRSFLESLK MKLPFIADAFVTAFR NVNSTLTFVTLSGELK SFLESLKVNTEPLPGIEK VDMKGGAAVLEGLMLTA ox ox VNTEPLPGIEK
gi 6647578	Membrane associated progesterone receptor component 1	DFTPAELRRYDGVQDPR VFDVTK GLATFCLDK GLATFCLDKK DEYDDLSDLTPAQQETLNDWDSQFTFK
gi 400269	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial [Precursor]	AEMEAAVAACKR ox AFPAWADTSILSR AISFVGSNQAGEYIFER CMALSTAVLVGEAK ox CMALSTAVLVGEAKK CMALSTAVLVGEAKK ox DMDLYSYR ox ERVCNLIDSGAK GLQVVEHACSVTSLMLGETMPSITK ox ox IVNDNPYGNGTAIFTTNGAIAR IVNDNPYGNGTAIFTTNGAIARK KWLPELVER KYAHMVDVGQVGVNVPVPLPMFSFTGSR ox ox LFIDGKFVESK LITLEQKTLADAEGDVFR LLQDSGAPDGTLNIIHGQHEAVNFICDHPDIK NHGVVMPDANK ox NHGVVMPDANKENTLNQLVGAAFGAAGQR NHGVVMPDANKENTLNQLVGAAFGAAGQR ox NLRVNAGDQPGADLGPLITPQAK QGIFQYTLK RAFPWADTSILSR SDKWIDIHNPATNEVVGR SSFRGDTNFGYK TITSQWKEEDATLSSPAVVMPTMGR ox ox TLADAEGDVFR VCNLIDSGAKEGASILLDGR VNAGDQPGADLGPLITPQAK VPGATMLLAK VPGATMLLAK ox VQANMGAK ox WIDIHNPATNEVVGR WLPELVER YQQLIKENLK
gi 62647466	Mitochondrial inner membrane protein	ARFYAVQK ATEKQHIELALER FVNQLKGESR GIEQAVQSHAVAEER GMSISDLAGTLDLNLALIAHAHR ox GVYSEETLR IAGAGLLFVGGGIGGITYAK KAHQWLVSVEALK LLSYASYCIEHGDLELAAK LSEQLEFHRR MKTIIEDAK ox QAAAHTDHLRDVLK QHIELALER RVAQDWLK SLEDALNQTATVTR SSEQMDNFTLDINTAYAR SSEQMDNFTLDINTAYAR ox TSSAEMPTIPLGSAVEAIR TSSAEMPTIPLGSAVEAIR ox TVEGALKER VSCSDNEFTQALTAAPPELSTR VVSQYHELVVQAR WDSHFRESVEK
gi 34877665	NADH dehydrogenase (Ubiquinone) 1 alpha subcomplex 10	EVLNYTTVPVYLPEITIGAHQGSR FYDNPKNNDGNSYR IYDSFRELPGR KLHEYSR LLQYSDALEHLLSTGGQVVLER LQSWLYASR LRYGLLASILGDK

		LTLPEYLPPHAVIYIDVPVSEIQSR QCVDHYNEIKR QDDRTHFNLR SIYSDFVFLEAMYNQGFIR ox SNDGNSYRLQSWLYASR VITVDGNICSGK VTSAYLQDIEDAYKK VVEDIEYLNYNKGPWLK YAPGYNADVGDKWIWLK
gi 27684065	NADH-ubiquinone oxidoreductase 75kDa subunit,mitochondrial precursor	ALSEIAGITLPYDTLDQVR DDGAAILAAVSSIAQK DFYMTDSISR DFYMTDSISR ox FEAPLFNAR FEAPLFNARIR GLLTYTSWEDALSR IASQVAALDLGYKPGVEAIR IASQVAALDLGYKPGVEAIRK ILQDIASGNHEFSK KPMVVLGSSALQR KPMVVLGSSALQR ox KSWLHNDLK LGEVSPNLVR LLFLLGADGGCITR NRLGEVSPNLVR SATYVNTEGR SNYLLNTTIAGVEEADVLLVGTNPR SWLHNDLK VAGMLQSFEGK VAGMLQSFEGK ox VALIGSPVDLTYR VALIGSPVDLTYRYDHLGDSPK VAVTPPGLAR VAVTPPGLAREDWK YDHLGDSPK
gi 21704020	NADH-ubiquinone oxidoreductase 75kDa subunit,mitochondrial[Precursor]	ALSEIAGITLPYDTLDQVR AVEDKNIGPLVK FASEIAGVDDLGTGR FAYDGLKR FEAPLFNAR GLLTYTSWEDALSR IASQVAALDLGYKPGVEAIR IASQVAALDLGYKPGVEAIRK KPMVVLGSSALQR ox KTESIDVMDAVGSNIVVSTR ox MHEDINEEWISDKTR ox QRLTEPMVR ox SATYVNTEGR VAVTPPGLAR VAVTPPGLAREDWK
gi 128867	NADH-ubiquinone oxidoreductase24kDa subunit,mitochondrial[Precursor][Fragment]	AAAVLPVLDLAQR DIEEIDELR DSDSILETLQRK DTPENNPDTPFDFTPENYER QNGWLPISAMNK ox VAEVLQVPPMR VAEVLQVPPMR ox VYEVATFYTMYNR VYEVATFYTMYNR ox YHIQVCTTTPCMLR YHIQVCTTTPCMLR ox
gi 266504	NADP-dependent malic enzyme	AECSAEECYKVTK AIFASGSPFDPVTLPDGR AIVVTDGER DLAFTLEER DPHLNKDLAFTLEER GPEYDAFLDEFMEAASSK ox GRASLTEEK GYLLTRDPHLNK HINDSVFLTTAEVISQQVSDK HLEEGRLYPPLNTIR ILGLGDLGCNGMGIPVGK ox LFYSVLMSNVEK LFYSVLMSNVEK ox LYPPLNTIR LYPPLNTIRDVSLK MATVYPEQNK ox QKIWLVDK TLFPGQGNNSYVFPVALGVVACGLR VRGPEYDAFLDEFMEAASSK ox YCTFNDDIQGTASVAVAGLLAALR YLLMLDQDR YLLMLDQDR ox YLLMLDQDRNEK ox
gi 6831527	NG,NG-dimethylarginine dimethylaminohydrolase 1	AERQHQLYVGVLSK ATHAVVRAPPESLCR EFFVGLSK EFFVGLSKR

		<p>GAEILADTFK  GAEILADTFKDYAVSTVPVADSLHLK  GHVLLHRTPEEYPESAK  IMQMSDHRDYK ox ox  LKDHLIPVSNSEMEK ox  LQLNIVEMKDENATLDGGDVLFTGR  LQLNIVEMKDENATLDGGDVLFTGR ox  QHQLYVGVLGSK  RSQGEEVDFAR  SFCSMAGPNLIAIGSSESAQK  SFCSMAGPNLIAIGSSESAQK ox  SQGEEVDFAR  SQGEEVDFARAER  TPEEYPESAK  TPEEYPESAKVYEK  VDGLLTCCSVFINKK</p>
gi 1711569	N-hydroxyarylamine sulfotransferase (HAST-I)	<p>AGTTWTQEIVDMIQNDGDVQK ox  DCLVSYYYFSR  DISEEVLNKIIYHTSFDVMK  DISEEVLNKIIYHTSFDVMK ox  DLHLGEQDLQPETR  ENPMANYTTLPSSIMDHSISPFMR ox ox  ENPMANYTTLPSSIMDHSISPFMR ox ox  EVNGILMSK  FLEKDISEEVLNK  GWWDVKDQHR  HPFIEWTLPSPLNSGLDLANK  IYHTSFDVMK  IYHTSFDVMK ox  ILYLFYEDMK  ILYLFYEDMK ox  ILYLFYEDMKEDPK ox  IWNFQAKPDDLLIATYAK  KGMPGDWK ox  KMAGSNITFR  KMAGSNITFR ox  MAGSNITFR  MAGSNITFRTEI  MKDLHLGEQDLQPETR  MKDLHLGEQDLQPETR ox  MLPDPGTLGEYIEQFK  MLPDPGTLGEYIEQFK ox  NAKDCLVSYYYFSR  NYFTVAQSEDFEDEDYR  NYFTVAQSEDFEDEDYR  THLPVHMLPPSFWK  THLPVHMLPPSFWK ox  VLWGSWYDHVK</p>
gi 34859276	Nicotinate-nucleotide pyrophosphorylase [carboxylating]	<p>CSGIASAAATAVEVATSTGWAGHVAGTR  CSGIASAAATAVEVATSTGWAGHVAGTRK  EALQAAEAGADLVMLDNFKPEELHPTAATLK ox  GPAHLLGER  KTTPGFR  LYAEGDIPVPHAR  QAAGFPLKVEVECSSLK  SPGVLAGRPFFDAIFTQLNCQVSWLLPEGSK  VAEVRGPAHLLGER  VALNTLAR  YDLGGLVMVK ox  YGLLVGGAECHR  YGLLVGGAECHRYDLGGLVMVK ox</p>
gi 34868007	Nit protein 2	<p>AGTEETILYSIDLK  AGTEETILYSIDLKK  ARAVDNQVYVATASPAR  ASYVAWGHSTVVDPPWQVLTQ  AVDNQVYVATASPAR  AVDNQVYVATASPARDEK  DEKASYVAWGHSTVVDPPWQVLTQ  ENSIYLIGGSIPEDDGKLYNTCAVFGPDGNLLVK  FAELAQIYAR  FAELAQIYARR  GCQLLVYPGAFNMTTGPAHWELLQR  GCQLLVYPGAFNMTTGPAHWELLQR ox  IHLFDIDVPGK  IHLFDIDVPGKITTFQESK  KIHLFDIDVPGK  LALIQLQVSSIK  LALIQLQVSSIKSDNITR  LSEIRQQIPILK  QGANIVSLPECFNSPYGTNYFPEYAEK  RADLYSVESK  RGCQLLVYPGAFNMTTGPAHWELLQR ox  TLSPGDSFSTFDTPYCR  VGLGICYDMR  VGLGICYDMR ox</p>
gi 51702765	Nitrilase homolog1	<p>AIESQCYVIAAAQCGR  ARAIESQCYVIAAAQCGR  ECGIWLSLGGFHER  ESNYTMPGYALEPPVK ox</p>

		<p>ESNYTMPGYALEPPVKT            ESNYTMPGYALEPPVKT            GODWEQTQK            GSVVASYRK            IDLHFLQQMR            IDLHFLQQMR ox            KTHLCDVEIPGQGPMR            KTHLCDVEIPGQGPMR ox            LAQAGAEILTYPSAFGSVTGPAHWEVLLR            LGACLAFLEAFDFIAR            NPAETLLLSEPLDGDLLGQYSQLAR            QHLPVFQHR            THLCDVEIPGQGPMR            THLCDVEIPGQGPMR ox            VGLAICYDMR            VGLAICYDMR ox            VGLAICYDMRFPPELSLK            VGLAICYDMRFPPELSLK ox</p>
gi 41017427	NSFL1 cofactorp47	<p>ASSSILINEAEPPTNIQIR            DLIHDQDEEEEEEGQR            EANLLNAVIVQR            EFVAVTGAEEDR            EFVAVTGAEEDRAR            GAFKAFTEGQK            GAKEHGAVAVR            GEVPAELRR            GTAPSDNRVTSFR            LAHGGQVNLDMEDHRDEDFVKPK            LAHGGQVNLDMEDHRDEDFVKPK ox            LGAAPPEESAYVAGER            LGAAPPEESAYVAGERR            LGSTAPQVLTSSPAQQAENEA            LVQKFNHSHR            SGQIVGPPR            SPGETSKPRPFAGGGYR            SPNELVDDLK            SPNELVDDLKFKGAK            SYQDPSNAQFLESIR            SYQDPSNAQFLESIRR            TGFSLDNGDLR</p>
gi 462690	Nucleoside diphosphate kinase A	<p>DRPFFSGLVK            EHYIDLKDRPFFSGLVK            FIQASEDLLKEHYIDLK            GDFCIQVGR            GLVGEIHKR            TFIAIKPDGVQR            TGRVMLGETNPADSKPGTIR ox            VMLGETNPADSKPGTIR            VMLGETNPADSKPGTIR ox            VMLGETNPADSKPGTIRGDFCIQVGR ox            YMHSQPVVAMVWEGLNVVK ox            YMHSQPVVAMVWEGLNVVK ox ox</p>
gi 127984	Nucleoside diphosphate kinase B	<p>ASEEHLKQHYIDLK            DRPFFGLVK            EIGLWFKPEELIDYK            GDFCIQVGR            GLVGEIHK            GLVGEIHKR            NIIHGSDSVESA            NIIHGSDSVESAKEIGLWFKPEELIDYK            QHYIDLK            QHYIDLKDRPFFGLVK            SCAHDVVYE            TFIAIKPDGVQR            VMLGETNPADSKPGTIR            VMLGETNPADSKPGTIR ox            YMNSQPVVAMVWEGLNVVK ox            YMNSQPVVAMVWEGLNVVK ox ox</p>
gi 129019	Ornithine aminotransferase mitochondrial precursor	<p>AFYNNVLGEYEEYITK            DNGLLAKPTHGDIIR            ELMKLPDVVTAVR ox            GIYMWVVEGR            GKGIMWVVEGR ox            GKGLLNAIVIR            GLLNAIVIR            HQVLFIADEIQTGLAR            IAIAALEVLEEEHLAENADK            IVFVGNFWGR            KTEQPPSSEYIFER            LAPPLVIKEDEIR            LPSDVVTAVR            LPSDVVTAVRGK            LRDNGLLAKPTHGDIIR            QYFDLSAYGAVSQGHCHPK            TEQPPSSEYIFER            VLPMTGVEAGETACK ox            WLAVDHENVRPDIVLLGK</p>
gi 129279	Ornithine carbamoyltransferase, mitochondrial [Precursor]	<p>FGMHLQAATPK</p>

		FGMHLQAATPK ox GEYLPLQ GK GLTLSWIGDGNILHSIMMSAAK GLTLSWIGDGNILHSIMMSAAK ox GYEPDPNIVK GYEPDPNIVKLAEQYAK KPEEVDDDEVFYSR LAEQYAKENGTR LQAFQGYQVTMK LQAFQGYQVTMK ox LSMTNDPLEAAR LSMTNDPLEAAR ox LSTETGFALLGGHPSFLTQDIHLGVNESLTD TAR NFTGEEIQYMLWLSADLKFR QKGEYLPLQ GK RLQAFQGYQVTMK SLGMIFEKR SLGMIFEKR ox SLVFPEAENR SLVFPEAENR VAASDWTFHCLPR VLSSMTDAVLAR VLSSMTDAVLAR ox VYKQSDLDILAK
gi 19353187	Otc protein	FGMHLQAATPK FGMHLQAATPK ox GEYLPLQ GK GYEPDPNIVK GYEPDPNIVKLAEQYAK KPEEVDDDEVFYSR KWTIMVSLR ox LAEQYAKENGTK LQAFQGYQVTMK LQAFQGYQVTMKTAK ox LSMTNDPLEAAR NFTGEEIQYMLWLSADLK ox RLQAFQGYQVTMK ox SLGMIFEK ox SLGMIFEKR SLGMIFEKR ox SLVFPEAENR SLVFPEAENR VAASDWTFHCLPR VLSSMTDAVLAR VLSSMTDAVLAR ox
gi 37722161	P55	EGYAWAEDKEHCEEYGR EHCEEYGR GGGVGGFLPAMK GGGVGGFLPAMK ox GLGHQVATDALVAMEK GLGHQVATDALVAMEK ox GMAAAGNYAWVNR GQVCVMIHSGSR IASPEGQDYLK INKNCWR LMFEELR LMFEELR ox LRPIAVIKG MLQADPNKVSPR MLQADPNKVSPR ox NLDQFQVLDKLDADMGIAR NYNDELQFLDK NYNDELQFLDKINK QIGNVAALPGIVHR SSMTFLTR SSMTFLTR ox VEQHVVVGKER VFNTTPDDLHLHVIYDVSHNIAK
gi 9910482	PCTP-like protein	ACIKYPEWK AGVSVWVQAVEMDR AGVSVWVQAVEMDR ox AGVSVWVQAVEMDR TLHK ox AVSIQTGYLIQSTGPK CPKPLKNR ESVQVPDDQDFR ESVQVPDDQDFRSFR KWDSNVITFDIAR LTVNADVGYYSWRCPKPLK LTVNADVGYYSWRCPKPLK MECCDVPAETLYDVLHDIEYR MECCDVPAETLYDVLHDIEYR ox NRDVITLR SCVITYLAQVDPK SCVITYLAQVDPK GSLPK SECEAEVGNLTYSK SWLPMGADYIIMNYSVK ox SWLPMGADYIIMNYSVKHPK ox ox
gi 45477002	Peptide methionine sulfoxide reductase	EGQVFYYAEDYHQYLSK GVYSTQVGFAGGYTR

		HGFGPITDIR NPDGYCGLGGTGVSCPTAIK NPDGYCGLGGTGVSCPTAIKK NPTYKEVCSEK QGNDCGTQYR SAVYPTSAVQMEAAALK SAVYPTSAVQMEAAALK ox VFWENHDPTQGMRR ox VISAEALPGR VISAEALPGRTESIPVAAK VVYRPEHVSFEELLK
gi 118107	Peptidyl-prolyl cis-trans isomerase A	ALSTGEKGFYK EGMSIVEAMER ox EGMSIVEAMER ox ox FEDENFILK GFGYKGSFHR HTGPGILSMANAGPNTNGSQFFICTAK ox IIPGFMCQGGDFTR IIPGFMCQGGDFTR ox IIPGFMCQGGDFTRHNGTGGK ox KITISDCGQL SIYGEKFEDENFILK TEWLDGKHVVFVK VCFELFADKVPK VKEGMSIVEAMER ox VKEGMSIVEAMER ox ox VNPTVFFDITADGEPLGR
gi 2143900	Peptidyl-prolyl cis-trans isomerase B [Precursor]	DFMIQGGDFTR ox DKPLKDVIIIDCGK DTNGSQFFITTVK FPDENFK FPDENFKL HYGPGWVSMANAGK ox IEVEKPFIAAKE SIYGERFPDENFK TSWLDGKHVVFVK TVDNFVALATGEK TVDNFVALATGEKGFYK VIKDFMIQGGDFTR VLEGMDVVR VLEGMDVVR ox VLEGMDVVRK ox VTFGLFGK VYFDQIGDEPVGR
gi 11968132	Peroxioredoxin 3	DYGVLESAGIALR EYFEKVHQ GLFIIDPNGVIK GLFIIDPNGVIKHSVNDLPVGR GTAVVNGEFKELSLDDFK HLSVNDLPVGR KNGGLGHMNTLLSDLTK KNGGLGHMNTLLSDLTK ox NGGLGHMNTLLSDLTK ox QISRDIYGVLESAGIALR
gi 2499469	Peroxioredoxin 2	EGGLGPLNIPLADVTK GLFIIDAKGVLR GVLRIQITVNDLPVGR KEGGLGPLNIPLADVTK LGCEVLGVSVDQFTHLAWINTPR NDEGIAYR QITVNDLPVGR SLSQNYGVLR SLSQNYGVLRKNDDEGIAYR
gi 16758274	Peroxioredoxin 4	DYGVYLEDGHTLR ELKLTDIR ENECHFAGGQVYPGEVSR GLFIIDKGVLR ISKPAPYWEGTAVINGEFK ISKPAPYWEGTAVINGEFKELK LVQAFQYTDK QGLGPIRIPLLSDLNHQISK QITLNDLPVGR SINTEVVACSVDSQFTHLAWINTPR TRENCHFAGGQVYPGEVSR VSVADHSLHLSK
gi 7948999	Peroxioredoxin 4	DYGVYLEDGHTLR ELKLTDIR GLFIIDKGVLR QITLNDLPVGR TESLQLESDE VSVADHSLHLSK
gi 20138819	Peroxioredoxin 5	AHQAEKQVLLADPTGAFGK ALNVEPDGTGLTCSLAPNILSQL ETDLLLDDSLVSLFGNR ETDLLLDDSLVSLFGNRR FCVLGSIAGSVLR

		FSMVIDKGVVK FSMVIDKGVVK ox GVLFGVPGAFTPGCSK KGVLFVPGAFTPGCSK KVNLAELFK RFSMVIDK THLPGFVEQAGALK THLPGFVEQAGALKAK VGDTIPSEVEFEGEPGK VGDTIPSEVEFEGEPGKK VNLAELEFKD VQLLADPTGAFGK
gi 5902791	Peroxiredoxin 6	DFTPVCCTELGR DINAYNGAAPTEK DLAILLGLDPAEKDEK ox FHDFLGDSWGILFSHR GESVMVLPPLPEEAKQLFPK ox GVFTKELPSGK KGESVMVLPPLPEEAK ox LAPEFAKR LIALSIDSVEDHFAWSK LIALSIDSVEDHFAWSKDINAYNGAAPTEK LKLILYPATTGR LSILYPATTGR LSILYPATTGRNFDEILR NVKLLIALSIDSVEDHFAWSK PGGLLLGDEAPNFEANTTIGHIR VVDSLQLTASNVPATPVDWK VVDSLQLTASNVPATPVDWKK VVFIFGPK VVFIFGPKK YLRYPQP
gi 2499470	Peroxiredoxin1	ADEGISFR ATAVMPDGQFK ATAVMPDGQFK ox ATAVMPDGQFKDISLSDYK ATAVMPDGQFKDISLSDYK ox GLFIIDDK GLFIIDDKGILR HGEVCPAGWKPGSDTIKPDVVK IGHPAPSK KQGLGPMNIPLVSDPK KQGLGPMNIPLVSDPK ox LNCQVIGASVDSHFCHLAWINTPK LNCQVIGASVDSHFCHLAWINTPKK LVQAFQFTDK QGLGPMNIPLVSDPKR QGLGPMNIPLVSDPKR ox QITINDLPVGR RTIAQDYGVVK SKEYFSK SVDEILR TIAQDYGVVK TIAQDYGVKKADEGISFR
gi 129975	Phenylalanine-4-hydroxylase	DFLGGLAFR ILADSINSEVILCNALQK KQFADIAYNRYR LFEENDINLTHIESRPSR LRPVAGLLSSR LRPVAGLLSSRDFLGGLAFR NTVPWFPR QFADIAYNRYR SLRNDIGATVHELSE TFAATIPRPFVSR THACYEHNHIFPLEK VEYTEEEKQTWGTVFR VFHCTQYIR
gi 400734	Phosphatidylethanolamine-binding protein	EWHHFLVVNMK EWHHFLVVNMK ox FREWHHFLVVNMK FREWHHFLVVNMK ox GNDISSGTVLSEYVGSPPKDTGLHR GNDISSGTVLSEYVGSPPKDTGLHR KYHLGAPVAGTCFQAEWDDSVPK LYTLVLTDPDAPSR VDYGGVTVDLGLK VLTPTQVMNRSSISWDGLDPGK VLTPTQVMNRSSISWDGLDPGK ox YHLGAPVAGTCFQAEWDDSVPK YHLGAPVAGTCFQAEWDDSVPKLHDQLAGK YVWLVEQEQPLNCEPILSNK
gi 130757	Phosphoenolpyruvatecarboxykinase,cytosolic[GTP]	AINPENGFFGVAPGTSVK EISFGSGYGGNSLLGK FLWPGFGENSR GLGDVNVEELFGISK IFHVNWFR IFHVNWFRK IGIELTDSPLYVVASMR

		IGIELTDSPLYVVASMR ox KYDNCWLALTDPR LLAHMQEEGVIR LLAHMQEEGVIR ox LLAHMQEEGVIRK LLAHMQEEGVIRK ox LTPIGYVPKEDALNLK MGTSVLEALGDGEFIK ox NKEWRPQDEEPCAHNSR PPQLHNGLDLSAK TMYVIPFSMGPLGSPLAK ox ox TNLAMMNPTLPGWK ox ox TVHITQEQR TVHITQEQRDTVPIPK VIQGSLSLDPQEVV VIQGSLSLDPQEVVK VLEWMFGR VLEWMFGR ox VLEWMFGRIEGEDSAK VLEWMFGRIEGEDSAK ox WMSEEDFEK ox YLAAAFPSACGK
gi 730311	Phosphoglucomutase	ADNFEYSDPVDGSISKNOGLR DLEALMLDR DLEALMLDR ox IDAMHGTVGPPYVK ox IDAMHGTVGPPYVKK IDAMHGTVGPPYVKK ox IRIDAMHGTVGPPYVK ox LIFADGSRIFR LYIDSYEKDAAK NIFDFNALKELLSGPNR SGEHDFGAADFDDGDRNMILGK ox SMPTSGALDRVANATK SMPTSGALDRVANATK ox TGRTAPTIVIT VSQLEQERTGR
gi 129906	Phosphoglycerate kinase, testis specific	AEPAKIDAFR AHSSMVGVNLPQK ALESPPERFLAILGGAK DCVGVSEVENACANPAAGTVILLENLR ELNYFAK FHVEEEGKGGK GCITIIIGGGDTATCCAK LGDVYVNDAFGTAHR QIVWNGPVGVEWEAFAR SLLGKDVLFK VDFNVPMKNNQITNNQR VDFNVPMKNNQITNNQR ox VLNNMEIGTSLYDEEGAK VLNNMEIGTSLYDEEGAK ox WNTEDKVSHVSTGGASLELLEGGK
gi 38566176	Phosphoglycerate mutase 1	ALPFWNEEIVPOIK AMEAVAAQKK DAGYEFDICFTSVQK DAGYEFDICFTSVQKR FSGWYDADLSPAGHEEAK FSGWYDADLSPAGHEEAKR HGEAQVKIWR HGESAWNLENR HYGGLTGLNK HYGGLTGLNKAETAAK LNERHYGGLTGLNK NLKPKIPMQLGDEETVR ox RVLIAAHGNSLR SYDVPPPPMEPDHPFYSNISK SYDVPPPPMEPDHPFYSNISK ox TLWTVLD AIDQMWLLVVR TLWTVLD AIDQMWLLVVR ox TWRLNER VLIAAHGNSLR VLIAAHGNSLRGIVK YADLTEDQLPSCESLKDTIAR
gi 206589	Plasmaretinol-bindingprotein[Precursor]	DPNGLTPETR DPNGLTPETR FSLWYAIK LQNLDTGTCADSYSFVFSR MKYWGVASFLQR ox QRQEELCLER WIEHNGYCQSRPSR YWGVASFLQR
gi 5453854	Poly(rC)-binding protein 1	AITIAGVPQSVTECVK ESTGAQVQVAGDMLPNSTER ESTGAQVQVAGDMLPNSTER ox IANPVEGSSGR HTLTGPTNAIFK INISEGNCPER IREESGAR

		LLMHGKEVGSIIK LLMHGKEVGSIIK ox LVVPATQCGSLIGK LVVPATQCGSLIGKGCK QGANINEIR QGANINEIRQMSGAIK ox QICLVMLETLQSPOGR QICLVMLETLQSPOGR ox QQSHFAMMHGGTGFAGIDSSSEVK ox QQSHFAMMHGGTGFAGIDSSSEVK ox ox QVTITGSAASISLAQYLINAR VMTIPYQMPASSPVICAGGQDR ox VMTIPYQMPASSPVICAGGQDR ox ox
gi 31560656	Polyadenylate-binding protein 1	FSPAGPILSIR GFGFVSFERHEDAQK GYGFVHFETQEAER IVATKPLYVALAQR LFPLIQAMHPSLAGK ox QAHLTNQYMQR ox SKVDEAVAVLQAHQAK SLGYAYVNFQQPADAER YQGVNLYVK
gi 51702769	Profilin-1 (Profilin 1)	TKSTGGAPTfNVTMTAK ox TFVSITPAEVGVLVGKDR STGGAPTfNVTMTAK ox STGGAPTfNVTMTAK SFFVNGLTGGQK EGVHGGLINKK DSLLQDGEFTMDLR ox DSLLQDGEFTMDLR CYEMASHLRR ox CYEMASHLRR CYEMASHLR ox CYEMASHLR CSVIRDSLLQDGEFTMDLR ox CSVIRDSLLQDGEFTMDLR
gi 130020	Prohibitin	AAELIANSLATAGDGLIELR AAHSAEGDSKAAELIANSLATAGDGLIELR AATFGLILDVSLTHLTFGK AVIFDRFR DLQNVNITLR FDAGELITQR FDAGELITQRELVSR FGLALAVAGGVNSALYNVDAGHR FVVEKAEQQK GVQDIVVVEGTHFLIPWVQKPIIFDCR ILFRPVASQLPR IYTSIGEDYDER IYTSIGEDYDERVLPSTTEILK KLEAAEDIAYQLSR NITYLPAGQSVLLQLPQ NVPVITGSKDLQNVNITLR QVAQQAER QVAQQAERAR QVSDDLTER SRNITYLPAGQSVLLQLPQ SVVARFDAGELITQR VFESIGKFLALAVAGGVNSALYNVDAGHR VLPSTTEILK VLPSTTEILKSVMAR
gi 15667251	Propionyl CoA-carboxylase alpha-subunit	EIGYPVMIKASAGGGGK FLSDVYPDGFK FMLEKVPK ox FSSQEAASSFGDDR FSSQEAASSFGDRLLIEK GDISAKFLSDVYPDGFK GVTHNIPLLR HGNAWLNER HKQEDIPISGWAVECR IAWDEETR IAWDEETRDGFR LAAELNKFMLEK ox LSQYQEPHILPGVR MEDALDNYVIR ox NFYFLEMNTR NFYFLEMNTR ox SFGLPISGR TVAIHSDVDASSVHVK VNTIPGFDGVVKDADEAVR VPVIRPDVAK VVEEAPSIFLDPETR VYAEDPYK VYAEDPYKSFGLPSIGR YSSAGTVEFLVDSQK
gi 92654	Propionyl-CoA carboxylase alpha chain, mitochondrial [Precursor] [Fragment]	CLAAEDVTFIGPDTHAIQAMGDKIESK ox ECSIQR EIGYPVMIK ox FLSDVYPDGFK

		FSSQEASSFGDDR FSSQEASSFGDDRLLIEK GVTHNIPLLR GVTHNIPLLRVIINTR HGNAWLNER HIEIQVLGDK HIEIQVLGDKHGNAWLNER HKQEDIPISGWAVECR ILIANRGEIACR LAAELNKFMLEK ox LSQYQEPHILPGVR MADEAVCVGPAPTSK MADEAVCVGPAPTSK ox MEDALDSYVIR MEDALDSYVIR ox NFYFLEMNTR NFYFLEMNTR ox RAMGEQAVALAK ox RMEDALDSYVIR ox SFGLPISGR TFDKLIANR TGAQAVHPGYGFLSENKEFAK TVAIHSVDVASSVHVK VPVIRPDVAK VPVIRPDVAKWELSVK VVEEAPSIFLDPETR VYAEDPYK YSSAGTVEFLVDSQK
gi 8394088	Proteasome (prosome, macropain) 28subunit, alpha	AAKQPHVGDYR APLDIPVPDPVKEK GPPCGPVCNEK ISELDAFLKEPALNEANLSNLK LEGFQTQISK NAYAVLYDIILK NAYAVLYDIILKNFEK QLVHELDEAEYQEIR QPHVGDYR TENLLGSYFPK VDVFREDLCSK VFELMTSLHTK VFELMTSLHTK ox VFELMTSLHTKLEGFQTQISK ox YFSERGDVAK
gi 8394063	Proteasome (prosome, macropain) subunit, alpha type2	AANGVVLATEK AANGVVLATEKK GYSFSLTTFSPSGK HIGLVYSGMGPDYR HIGLVYSGMGPDYR ox KLAQQYYLVYQEPIPTAQLVQR LAQQYYLVYQEPIPTAQLVQR LTPTEVRDYLAALA LVQIEYALAAVAGGAPSVGIK RLTPTEVR SVHKVEPITK YNEDLELEDAIHTAILTK
gi 16758298	Proteasome (Prosome, macropain) subunit, beta type,7	AAVSVFQAPVGGFSFDNCR DGIVLGADTR FRPDMEEEEAK FRPDMEEEEAK ox FRPDMEEEEAKK FRPDMEEEEAKK ox LDFLRPYSVPNK LDFLRPYSVPNKK LVSEALAAAGIFNDLGSNSIDLVCISK MLKQMLFR ox ox SKLDFLRPYSVPNK
gi 15100181	Proteasome (prosome,macropain) 26S subunit, ATPase 2	ACLIFDEIDAIGGAR ALDEGDIALLK DFLEAVNKVIK DIRFELLAR EVVETPLLHPER FVNLGIEPPKGVLLFGPPGTGK FVVDLSDQVAPTDIEEGMR FVVDLSDQVAPTDIEEGMR ox IATEKDFLEAVNK IINADSEDPKYIINVK KACLIFDEIDAIGGAR KIEFSLPDEGR LCPNSTGAEIR LREVETPLLHPER NKYQIHIPLPPK PDYLGADQR PDYLGADQRK SVCTEAGMFAIR SVCTEAGMFAIR ox THIFKHAR TMLELINQLDGFDP TMLELINQLDGFDP ox TYGQSTYSR

gij12229884	Proteasome 26 Sproteasome non-ATPase regulatory subunit 9	AAAVSDIQELMR AAAVSDIQELMR ox ADVVDLYQVR ALMKQVEEALHQLHAR ox GIGMNEPLVDCEGYPR ox GIGMNEPLVDCEGYPRADVVDLYQVR ox HNIICLQNDHK HNIICLQNDHKALMK ox HRAESSEAR LASDSPALPK LASDSPALPKAFAR LTPTRWAGK QVEEALHQLHAR RLASDSPALPK
gij5729991	Proteasome 26S ATPase subunit 4 isoform1	ADTLDPALLRPRG ADTLDPALLRPGRLDR AVAHHTTAAFIR EAVELPLTHFELYK EFLHAQEEVKR ENAPAIIFIDEIDAIATK ENAPAIIFIDEIDAIATKR FDAQTGADREVQR GVLMYPPGCGK ox IEFPLPDRR ILLELLNQMDGFDQNVNVK ILSTIDRELLKPNASVALHK ISGADINSICQESGMLAVR ISGADINSICQESGMLAVR ox KDEQEHEFYK KIEFPLPDR LAKENAPAIIFIDEIDAIATK LIFSTITSK LQQELEFLEVQEEYIKDEQK MEEIGILVEK MNLSEEVLEDYVARPDK MNLSEEVLEDYVARPDK ox RLIFSTITSK VVGSEFVQK YIVLAKDFEK
gij34869622	Proteasome 26S protease regulatory subunit S10B	ADHDFVQEDFMK ADHDFVQEDFMK ox ALQSVGQIVGEVLK AVASQLDCNFLK DHQPCHIFMDEIDAIGGR ox DHQPCHIFMDEIDAIGGR ox DKALQDYR ELREVIELPLTNPELFQR EMFNAR ox EVIELPLTNPELFQR FSEGTSADREIQR GCLLYGPPGTGK HGEIDYEAIVK IHIDLNEQAR KIHIDLNEQAR LIREMFNAR LIREMFNAR ox LLEHKEIDGR LSDGFNGADLR MALPGIPYER NVCTEAGMFAIR NVCTEAGMFAIR ox QLTEEFIVK SENDLKALQSVGQIVGEVLK TLMELLNQMDGFDLHR ox TLMELLNQMDGFDLHR ox ox VALDMTTLTIMR ox VALDMTTLTIMR ox ox VGIHPPKGCLLYGPPGTGK VVSSIVDKYIGESAR
gij18202600	Proteasome activator complex subunit 1	AAKQPHVGDYR APLDIPVDPVKEK GPPCGPVCNEK ISELDAFLKEPALNEANLSNLK LEGFQTQISK NAYAVLYDIILKNFEK NAYAVLYDIILKNFEK QLVHELDEAEYQEIR QPHVGDYR TENLLGSYFPK VDVFREDLCSK VFELMTSLHTK VFELMTSLHTK ox VFELMTSLHTKLEGFQTQISK ox YFSERGDVAK
gij18202601	Proteasome activator complex subunit 2	AFYAEHLHHIISNLEK AFYAEHLHHIISNLEKIVNPK ALVHERDEAAYGALR ASKDTHVMDYR ox

		CGFLPGNEK DEAAYGALR DTHVMDYR DTHVMDYR ox IEDGNDFGVAIQEK IISLSQLLQEDSLNVADLSSLR KIISLSQLLQEDSLNVADLSSLR QNLQFEAEDFLCTFLPR TKVEAFQTAISK YFSERGDVAK
gi 130849	Proteasome subunit alpha type1	ALRETLPAEQDLTTK AQPSQAADPEPAEKADPEMEH ox FVFDRLPVS HMSEFMQCNLDELVK ox ox IHQIEYAMEAVK IHQIEYAMEAVK ox ILHVDNHIGISIAGLTADAR KILHVDNHIGISIAGLTADAR LLCNFMR ox LLCNFMRQECLDSR LLCNFMRQECLDSR ox NQYDNDVTVWSPQGR THAVLVALKR TYLERHMSEFMQCNLDELVK
gi 38328367	Proteasome subunit alpha type6	AINQGGLTSVAVR ARYEAAANWK ATAAGVKQTESTSFLEK CDPAGYYCGFK GKDCAVIVTK GSSAGFDRHITIFSPEGR HITIFSPEGR ILTEAEIDAHLVALAERD ITENIGCVMTGMTADSR ITENIGCVMTGMTADSR ox ITENIGCVMTGMTADSR ox ox LLDSSTVTHLFK LYQVEYAFK LYQVEYAFKAINQGGLTSVAVR QTESTSFLEK QTESTSFLEKK VPDKLLDSSTVTHLFK YEAAANWKYK YGYEIPVDMLCK ox YGYEIPVDMLCKR YGYEIPVDMLCKR ox
gi 3915806	Proteasome subunit beta type 4 [Precursor]	VNDSTMLGASGDYADFQYLK VLYYRDAR TQNPMTGTSVLGVK ox SYNRFQVATVTEK QPVLSQTEARELVER QPVLSQTEAR FDCGVVIAADMLGSYGSLARFR FDCGVVIAADMLGSYGSLAR EVLEKQPVLSQTEAR ELVERCMR ox CMRVLYYR AIHSWLTR
gi 11265288	Proteasome subunit p45 (26S protease regulatory subunit 8; p45/SUG)	AVAHHTDCTFIR EHAPSIHFMEIDISIGSSR ox FVVDVDKNIDINDVTPNCR GVCTEAGMYALR GVCTEAGMYALR ox GVLLYGGPGTGK IAELMPGASGAEVKGVCTEAGMYALR ox ox IDLDSALLRPRGRDR IEFPPNEEARLDILK KIEFPPNEEAR LEGSGGDSEVQR LLREELQLLQEQGSYVGEVVR RVHVTQEDFEMAVAK RVHVTQEDFEMAVAK ox TMLELLNQLDGFEATK ox VALRNDSYTLHK VIMATNRIDILDSALLRPRGR ox
gi 2501206	Protein disulfide isomerase A6 [Precursor][Fragment]	AASALKDVVK ALDLFSDNAPPELLEIHNEDIAK ALDLFSDNAPPELLEIHNEDIAK GESPVDYDGGR GSFSEQGINEFLR GSFSEQGINEFLRELSFGR GSTAPVGGGSPFNITPR IFGANKNKPEDYQGGR IFQKGESPVDYDGGR LAAVDATVNQVLASR MKFALLK NKPEDYQGGR NKPEDYQGGRTGEAIVDAALSALR NLEPEWAAAATEVKEQTK

		NSYLEVLLK SGGYSSGKQGR TCEEHQLCVVAVLPHILDTGATGR TGEAIVDAALSALR TGEAIVDAALSALRQLVK VGAVNADKHQSLGGQYGVQGFPTIK VKLAAVDATVNQVLASR YGKGFPTIK
gi 129731	Protein disulfide isomerase[Precursor]	EADDIVNWLK EYTAGREADDIVNWLK FDEGRNNFEGEITK GYPTIKFFK HNQLPLVIEFTEQTAPK IFGGEIKTHILLFLPK IKPHLMSQELPEDWDKQPVK IKPHLMSQELPEDWDKQPVK ox ILEFFGLK ILEFFGLKK ILFIFIDSDHTDNQR ITQFCHHFLEGGK LGETYKDHENIVIAK LITLEEEMTK LITLEEEMTK ox LKAEGSEIR LLDFFIKHNQLPLVIEFTEQTAPK LSRALLCLALAWAAR MDSTANEVEAVKVHVSFPTLK MDSTANEVEAVKVHVSFPTLK ox NFEEVAFDEK NFEEVAFDEKK NGDTASPKEYTAGR NNFEGETK NNFEGETKEK QFLAAEAADDIPFGITSNSDVFSK QLAPIWVK SVSDYDGLKSNFK TGPAATTLSDTAAAEESLVSSEVTVIGFFK THILLFLPK TVIDYNGER VDATEESDLAQQYGVV VHSFPTLK YKPESDELTAEK YKPESDELTAEKITQFCHHFLEGGK YQLDKDGVVLFK
gi 1352384	Protein disulfide-isomerase A3 [Precursor]	DGEEAGAYDGPR DLFSDFGHSEFLK DLLTAYYDVDYEK DLLTAYYDVDYEKNTK EATNPPIIQEEKPK EATNPPIIQEEKPKK ELNDFISYLQR EYDDNNEGITIFRPLHLANK EYDDNNEGITIFRPLHLANKFEDK FAHTNVESLVK FIQESIFGLCPHMTEDNKDLIQGK ox FISDKDASVVGFFR FLQEYFDGNLK FLQEYFDGNLKR FVMQEEFSR FVMQEEFSR ox FVMQEEFSRDGK FVMQEEFSRDGK ox GEKFVMQEEFSR ox GFPTIYFSPANK IFRDGEEAGAYDGPR KTFSHELSDFGLESTTGEIPVVAIR LAPEYEAATR LKGIVPLAK LNFAVASRK LSKDPNIVIAK MDATANDVSPYEVK NRVMVAK ox ox QAGPASVPLR QAGPASVPLRTEDEFK TADGIVSHLK TADGIVSHLKK TFLDAGHKLNFASR TFSHELSDFGLESTTGEIPVVAIR VDCTANTNTCNKYGVSGYPTLK YEGGRELNDFISYLQR YGVSFYPTLK YLKSEPIPETNEGPVK
gi 298373	Pterin-4-alpha-carbinolaminatedehydratase	AVGWNELEGR AVGWNELEGRDAIFK DAIFKQFHFK DINLASFIEQVAVSMT ox DQLLPNLR LDHHPWFNVYVK LSAEERDQLLPNLR QFHFKDFNR

		VALQAEKLDHHPWFNVVYK VHITLSTHECAGLSER
gi 34869683	Purine-nucleoside phosphorylase	AAAQKLEQFVSIKESIPPR ox AFNAWKQMGQR AFNAWKQMGQR ox ASHQEVLEAGK DHINLPGFCGQNPLR DHINLPGFCGQNPLRGPNDER ELQEGTYIMSAGPTFETVAESCLLR ELQEGTYIMSAGPTFETVAESCLLR ox FEVGDIMLIR FHMYESYLSK FHMYESYLSK ox FPAMSDAYDRDMR FPAMSDAYDRDMR ox FPAMSDAYDRDMR ox ox HCGLRVFGSLITNK HRPQVAVICGSLGGLTAK LTQPQAFDYNEIPNFPQSTVQGHAGR LVFGFLNGR MLGADAVGMSTVPEVIVAR MLGADAVGMSTVPEVIVAR ox MLGADAVGMSTVPEVIVAR ox ox QKAFNAWK SCVMMQGR SCVMMQGR ox SHTKHRPQVAVICGSLGGLTAK TAEWLRSHTK VFGSLITNK VTFPVRVFHLLGVDLVTNAAGGLNPK VVMYNNLEK
gi 13929082	Pyridoxal kinase	AEGEGQKPSPAQLELR ANNVKNKYDYVLTGYTR DKSFLGMVVDIVQELK ox EKVVPADIITPNQFEAELLSGR ox GQVLTSQLHALYEGLK GSDYLMALGSQR GSDYLMALGSQR ox IHSQEEAFVMDVLHR IHSQEEAFVMDVLHR ox KDIEDPEIVQATVL KIHSQEEAFVMDVLHR KIHSQEEAFVMDVLHR ox KPDGSTVTQRIR MGPDVTVITSSDLPSK MGPDVTVITSSDLPSK ox MRKPDGSTVTQR MRKPDGSTVTQR ox TVSAMQHVLQR TVSAMQHVLQR ox VLSIQSHVVR VVPADIITPNQFEAELLSGR VVPADIITPNQFEAELLSGR ox VVPADIITPNQFEAELLSGRK ox WNGEGSMYVPQDLLPVYR ox YDYVLTGYTR YDYVLTGYTRDK
gi 12018270	Pyridoxine-5'-phosphate oxidase	DGFRFFTNYESR EAENYFHSRPK EAFEEAHLTSLDPMK ox ELDSNPFASLVFYWEPLNR FFTNYESR FFTNYESRK GKELDSNPFASLVFYWEPLNR GLATGDSPLGPMTHHGEEEDWVYER ox KNEELGQLYR LPEKEAENYFHSRPK NEELGQLYR QSSVIPDREYLR QVRVEGPVK SSQIGAVVSR
gi 1709948	Pyruvate carboxylase, mitochondrial [Precursor]	AAYGGGGRGMR ox ADFAQACQDAGVR AEAEAQAEELSFPR ALAEFRVR AYPEALAAFNGALFVEKFIKPR ELIPNIPFQMLLR ELIPNIPFQMLLR ox FIGPSPEVVR FIGPSPEVVRK FLYECVWR GLAPVQAYLHIPDIK GLAPVQAYLHIPDIKVAK GTPLDTEVPLER HIEVQILGDQYGNILHLYER HQKVVEIAPATHLDPQLR IAEEFEVELER INGCAIQCR IVGDLAQFMVQNGLSR ox

		LFLQGPK LQVEHTVTEEITDVDLVHAQIHVSEGR NHQGLLLMDTTFRDAHQSLLATR ox QKADEAYLGR QVFFELNGQLR SFQPDGTGRIEVFR SLPDLGLR SLPDLGLRQENIR SSTAPVASPNVR SVVEFLQGYIGIPHGGFPEPFR SVVEFLQGYIGIPHGGFPEPFRSK TVAVYSEQDTGQMHR TVAVYSEQDTGQMHR ox VFDYSEYWEGAR VIAHGKDHPTAATK VLKDLPR VMVANRGEIAIR ox VTTEDPAR VVEIAPATHLDPQLR VVHSYEELEENYTR
gi 66035	Pyruvate dehydrogenase E1 component alpha subunit,somatic form,mitochondrial [Precursor]	AHGFTFTR AILAELTGR AILAELTGRR DRMVNSNLASVEELK EATKFAAAYCR GDFIPGLRVDGMDILCVR GDFIPGLRVDGMDILCVR ox GKGGSMHMYAK ox ox GPILMELQTYR GPILMELQTYR ox LEEGPPVTTVLTR LEEGPPVTTVLTRDGLK LPCIFICENNR MVNSNLASVEELKEIDVEVR ox NFYGGNGIVGAQVPLGAGIALACK RGDFIPGLR SGKGPILMELQTYR SGKGPILMELQTYR ox TREEIQEVR
gi 34869518	Pyruvate dehydrogenase E1 component,beta subunit	DIIFAIKK EAINQGMDEELERDEK ox EGIECEVINLR ILEDNSIPQVK IMEGPAFNFLDAPAVR IMEGPAFNFLDAPAVR ox QGTHITVVAHSRPVGHCLEAAAVLSK TIRPMDIEAIEASVMK ox TIRPMDIEAIEASVMK ox ox TNHLVTVEGGWPQFGVGAEICAR VLLGEEVAQYDGAYK VLLGEEVAQYDGAYKVSR VTGADVMPYAK VTGADVMPYAK ox VVSPWNSDAK VVSPWNSDAKGLIK
gi 25751614	Pyruvate kinase (EC 2.7.1.40), hepatic splice form L	AAPLSRDPTTEVTAIGAVEASFK ASDVLAVRDALGPEGQNIK FGVQHNVDIIFASFVR GDLGIEIPAEK GSFPVEAVMMQHAIAR ox GSFPVEAVMMQHAIAR ox ox GVFPFLYR GVNLPNTEVDLPGLSEQDLLDLR IGPEGLVTEVEHGGILGSR IGPEGLVTEVEHGGILGSRK IYDDGLISLVVQK KFDEILEVSDGIMVAR KFDEILEVSDGIMVAR ox KGVNLPNTEVDLPGLSEQDLLDLR LNFSGSHEYHAESIANIR QLFEELRR SAQLLSQYRPR STSIIATIGPASR TGVLQGGPESEVEIVK TVWVDYHNITR VGLAQKMMIGR ox VQFGIESGKLR
gi 40363265	Pyruvatekinase,isozymesR/L	AAPLSRDPTTEVTAIGAVEASFK AAVIAVTGSAK CCAAAIIVLTK DPTTEVTAIGAVEASFK FGVQHNVDIIFASFVR GDLGIEIPAEK GSFPVEAVMMQHAIAR ox GSFPVEAVMMQHAIAR ox ox GVFPFLYR IGPEGLVTEVEHGGILGSR IYDDGLISLVVQK KFDEILEVSDGIMVAR ox

		KGVNLPNTEVDLPGLSEQDLLDLR LNFSGSHEYHAESIANIR QLFEELRR SAQLLSQYRPR STSIATIGPASR TGVLLQGGPESEVEIVK TVWVDYHNITR VQFGIESGKLR
gi 809309	Retinol-binding protein I, cellular	ALDVNVALR ALDVNVALRK CMTTVSWDGDKLQCVQK ox EFEEELTGIDDR EIVQDGDHMIIR EIVQDGDHMIIR ox IANLLKPKKEIVQDGDHMIIR IANLLKPKKEIVQDGDHMIIR ox KIANLLKPKK MLSNENFEEYLR MLSNENFEEYLR ox NYIMDFQVGK NYIMDFQVGK ox PVDNFNGYWK
gi 31982030	RhoGDP-dissociation inhibitor 1(RhoGDI1)	AEEYEFLLTPMEEAPK ox IDKTDYMGVSYGPR IDKTDYMGVSYGPR ox LTLVCSTAPGPLELDLTGDLESFKK QSFVLKEGVEYR SIQEIQLDKDDESLR TDYMGVSYGPR TDYMGVSYGPR ox VAVSADPNVFNVIVTR VNREIVSGMK YIQHTYR YIQHTYRK
gi 1709863	Ribonuclease UK114	AAGCDFTNVVK AAYQVAALPK AAYQVAALPKGSR APAAIGAYSQAVLVDR GSRIEIEAIVQGPFTTAGL IEIEAIVQGPFTTAGL NLGEILKAAGCDFTNVVK QALKNLGELK TIYVSGIQIGMDPSSGQLVPGGVAEEAK ox TTVLLADINDFGTVNEIYK TTVLLADINDFGTVNEIYKTYFQGNLPAR TYFQGNLPAR VISTSKAPAAIGAYSQAVLVDR
gi 14277700	Ribosomal protein S12	DVIEEYFK ESQAKDVIEEYFK IDREGKPR KLGEWVGLCK KVVGCSCVVVK LGEWVGLCK LGEWVGLCKIDR LVEALCAEHQINLIK QAHLCVLASNCDEPMYVK ox TALIHDLGLAR
gi 27703664	Ribosome Similar to Ribosome binding protein1	AAGPLESSGIEEVTQLK AATKLQELK ADAEKAQEQQQR AMEALALAER AMEALALAER ox AQTSHANLR EAEETQNSLQAECQYR KPPVSVEPSLDIVSK LQEELEKLR LQQENSILR LQQENSILRDALNQATSQVESK LREAETQNSLQAECQYR LRGELESSDQVR MQASYQDHHVKEVQQLQGK ox NASMVQSQEAPKQEAFAK QILQLQASHK QKLTAEFEAAQSTACR QLLLDSSQLEEAQKSEAQK QSNELALVR SHVEDGDVAGSPAVPPAEQDPVKLK SIEALLEAGQAQDSQASR SKCEELSDLHGQLK SVEEERVVK TEATLEDEQTRR TGVIQDTWHK TGVIQDTWHKATQK TILAEATEGMLKDLQK TILAEATEGMLKDLQK ox TLQEQLENGPNQLAR TLVSTVGSVMVFSEGEAQR

gi 27714603	RIKEN cDNA 2810435D12 (Hypothetical Haloacid dehalogenase/epoxide hydrolase)	AHGVLVEATAVEQAFR AHGVLVEATAVEQAFRQAFR AQSHSPNYGLSLGLTSR ARAHGVLVEATAVEQAFR AVGMHSFLVVGAEPLDSSVR AVGMHSFLVVGAEPLDSSVR ox DAVPKEHILPSLSHLLPALDLLEASSPVS EALQLACVEPSAAAHVGDYSR EHDFVLTSEAVGCPKPPDR EHILPSLHLLPALDLLEASSPVS IFREALQLACVEPSAAAHVGDYSR LAVVSNFDR LAVVSNFDRR LLTWDVKDTLIK LQMRLTWDVK ox QWWMDVVLHTFR QWWMDVVLHTFR ox RLEDILTGLGLR RPVGEEYASK RPVGEEYASKAR VLEGAETTLKGCRCR VRRPVGEEYASK
gi 34860352	RIKEN cDNA 4931406C07 (Hypothetical protein)	ACTEFSFHVPSLEELAEVLQK ANPADGKCLLEK IAEVGGVPYLLPLVNK IAEVGGVPYLLPLVNKK KVYDLNEIAK VYDLNEIAK VYDLNEIAKEIK YSQKYPDFGCALLANLFASEGQPGK
gi 20885971	RIKENcDNA2310005O14	AVLAGIYNTTELVMQDSSPDFEDTWR ox AVLAGIYNTTELVMQDSSPDFEDTWR ox ox INDAMNMGHTAK INDAMNMGHTAK ox INDAMNMGHTAK ox ox LRMLIPYIEHWPR LRMLIPYIEHWPR ox LVQLGQAEK LVQLGQAEKR MLIPYIEHWPR MLIPYIEHWPR ox NLTGLNQRR QVKSTGEALVQGLMGAAVTLK ox STGEALVQGLMGAAVTLKNTGLNQRR ox TDQFLRDVAVETR YTDQSGEEEDYESEEQLQHR
gi 127048	S-adenosylmethionine synthetase alpha and beta forms	DLDLKPIYQK FVIGGPQGDAGVTGR FVIGGPQGDAGVTGRK ICDQISDAVLDAHLK IIVDTYGGWGAHGGGAFSGK KIIVDTYGGWGAHGGGAFSGK NFDLRPGVIVR RSGVLPWLRPDSK SEFPWEVPK SEFPWEVPKK SGVLPWLRPDSK TACYGHFGR TCNVLVALEQQSPDIAQCQVHLDR TGMVLLCGEITSMAMIDYQR ox ox TQVTVQYVQDNGAVIPVR VHTIVISVQHNEEDITLEAMR VHTIVISVQHNEEDITLEAMR ox YLDEDTIYHLQPSGR
gi 25742657	Sarcosine dehydrogenase	AIDSLIEKGYR AYGIESHVLSPAETK DILQDVLDADLSNEAFPSTHQLVLR DPLHEELGQGCVFQER FHHSLTDHPR FYLLGADAR FYLLGADARK GAQVIENCAVTGIR GYRHWHADLR HGLVNAGYR IEGIQNMPNVR IEGIQNMPNVR ox LGVGGVVLLER LGVGGVVLLERER LKTSVPFLGR MGVTYAAQVHLK ox NGDYALER NGQVVGHVRR NGQVVGHVRR NYSVVFPHDEPLAGR RADFGFTVNK RDPLHEELGQGCVFQER RFHHSLTDHPR SDDSPLEAGLAFTCK SHESYAKNYSVVFPHEPLAGR

		SPFDPNKR STVCGPESFTPDHKPLMGAEPELR ox TAAAVFNMSYFGK ox TIAYGYIR TIAYGYIRDPSGGPVSLDFVK TSVPFLGREALEK VRTDDFGVR
gi 16758646	SEC14-like protein 2	AGEMTEVLPNQR AGEMTEVLPNQR ox DQVKQYEHVSVQISR FDNTYSFIHAK GLLFSASKQDLLR GSSHQVEYEILFPGCVLR HVEFRK INYGGDIPK INYGGDIPKQYYVR LFPVAYNLKPFLESDTR QYEHVSVQISR QRAGEMTEVLPNQR QRAGEMTEVLPNQR ox QYYVRDQVK SFDLQKSEAMLR SFDLQKSEAMLR ox VGDLSPKQEEALAK
gi 34878986	SEC14-like protein 3	ADDFLLR AGEMTEVLPNQR FDNTYSLHHTK FREILQDVLPTLPK GLFMSASKQDLIR GLFMSASKQDLIR ox GSSHQVENEILFPGCVLR IVILGGNWKQELLK LFPVAFNLVK MSGQVGDLSPPQQEALTR MVMVFDMEGLSLR ox MVMVFDMEGLSLR ox ox MVMVFDMEGLSLR ox ox NFDLQKSEAMLR ox QKAGEMTEVLPNQR QKAGEMTEVLPNQR ox SFGEVTQKK YNSHMVPEDGSLTCLK ox
gi 18266692	Selenium-binding protein 2	CGPGYATPLEAMK ox CGPGYATPLEAMKGR CGPGYATPLEAMKGR ox DGFNPAHVEAGLYGSHIHVWDWQR DGLIPLEIR DKLILPSIISR EEIVYLP CIYR EGSVMLQIDVDTANGGLK EGSVMLQIDVDTANGGLK ox EPLGPALAHHEL FLHDPDATQGFVGCALSSNIQR FLYFSNWLHGDIR FYKNEGGTWSVEK GGFVLLDGETFEVK GGSVQVLEDQELTCQPEPLVVK GGSVQVLEDQELTCQPEPLVVKGK GPREEIVYLP CIYR GTWEKPGGEAPMGYDFWYQPR ox HEIIQTLQMK HEIIQTLQMK ox HEIIQTLQMKDGLIPLEIR HEIIQTLQMKDGLIPLEIR ox HNIMVSTEWAAAPNVFK ox IYVVDVGSEPR IYVVDVGSEPRAPK LHKVIEPNEIHAK LILPSIISR LNPNFLVDFGKEPLGPALAHHEL LTGQIFLGGSIK LYVTTSLSAWDKQFYPNLIR NTGIEAPDYLATVDVDPK QFYPNLIR QYDISNPK QYDISNPKKPR SPHYSQVIHR VIEPNEIHAK VPGGPQMIQLSLDGK ox VPGGPQMIQLSLDGKR VPGGPQMIQLSLDGKR ox YPGGDCSSDIWI
gi 34877645	Selenocysteine lyase	AADLVSENCETIEAHMR AEVDLIVQDLK AKDIHTAR CFHEQQTLLQGR DIRDYLEER EAWGNPSSSYVAGRK FPGVERLPNTCNFSIQGSQLR

		FYGPRIGALYVR GSVESPPNRK GVGKLTPLYPMLFGGGQER GVGKLTPLYPMLFGGGQER ox IHLNSRFPGVER IKALNQIR LEAEFGKR LPLEHLVEDQVAEVTVPVSK LPNTCNFSIQGSQLR LSVGRSTTR LTPLYPMLFGGGQER LTPLYPMLFGGGQER ox MIGGKPDHFTSGGTESNNLVHSTVR ox NFRPGTENTPMIAGLGK NFRPGTENTPMIAGLGK ox RVDVEDLGVDFLTIVGHK STTRAEVDLIVQDLK TVDQISPEEGTRPHFITCTVEHDSIR VLVHTDAAQALGK VLVHTDAAQALGKR
gi 2507128	Senescence marker protein-30	CGESPVWEEASK CLLFVDIPSK DEQIPDGMCIDVEGK DGMSAEGLLR DGMSAEGLLR ox DGMSAEGLLRQPDAGNIFK DGMSAEGLLRQPDAGNIFK ox DYSEMYVTCAR DYSEMYVTCAR ox FCALNWEDQSVFILAMVDEDKK ox FNDGKVDPAGR HQGSLYSLFPDHSVK IFYYIDLSYTVDAFDYDLPTGQISNR KYFDQVDISNGLDWSLDHK LDPETGKR LPVDKTTSCCFGGK LWVACYNGGR MEKDEQIPDGMCIDVEGK MEKDEQIPDGMCIDVEGK ox MEKDEQIPDGMCIDVEGK ox ox QPDAGNIFK QSGGYVATIGTK TTSCCFGGK TTSCCFGGKDYSEMYVTCAR TTSCCFGGKDYSEMYVTCAR ox TVYKMEK VGVDAPVSSVALR YFAGTMAEETAPAVLER YFAGTMAEETAPAVLER ox YFDQVDISNGLDWSLDHK
gi 134847	Sepiapterin reductase	AARDMLYQVLAVEEPSVR ALAPQLAGLLSPGVLLLSAR DMLYQVLAVEEPSVR DMLYQVLAVEEPSVR ox DTFQSGAHVDFYDI ETSMDPELR ox GWGLYCAGK LGCAVCVLTGASR LLLINNAGTLGDVSK LNSEGELVDCGTSAQK LQKLNSEGELVDCGTSAQK TVVNISLICALQPFK VLSYAPGPLDNTMQLAR VLSYAPGPLDNTMQLAR ox
gi 34865757	Serine hydroxymethyl transferase 2, mitochondrial	AALEALGSCLNKNKYSEGYPGK DPETSQR EYSLQVLR GARSGLIFYR GFPMPGFDER GFPMPGFDER ox GLDGARAER GLELIASENFCSR GYSLVSGGTDTHLVLDLRPK LANLRQQVEQFAR LIIAGTSAYAR NAQAMADALLKR QFREDDFR SAITPGGLR SAITPGGLRLGAPALTSR SFLLKDPETSQR SGLIFYR SGLIFYRK VIPSPFKYADIVTTTTTHK VLELVSITANKNTCPGDR VPFSLLRTTR VVDFIDEGVNIGLEVKR YYGGAEVVDEIELLCQR YYGGAEVVDEIELLCQRR
gi 34870813	Serine hydroxymethyltransferase, cytosolic	AGMIFYRK

		AVLEALGSCLNK AVLEALGSCLNKYSSEGYPGQR GLLEEDFQKIAHFIHR IVTGGSDNHLILMDLRPK IVTGGSDNHLILMDLRPK ox IYQLQVLANCR LLIAGTSCYSR MLTQPLKESDAEVYSIIK ox NTCPGDKSALRPSGLR QRVGLELIASENFASR SALRPSGLR VGLELIASENFASR YSEGYPGQR YYGGETEFIDELETLQQR
gi 34856275	Serine protease HTRA2, mitochondrial [Precursor]	AGLRPADVILAIGEK EFLHRGEK EPLPTLPLGR EPSFPDVQHGVLHKK EVPISNGSGFIVASDGLIVTNAHVADR IQTKEPLPTLPLGR KNSWFGISGSQR LREFLHR MIQNAEDVYEAVR MIQNAEDVYEAVR ox MIQNAEDVYEAVRTQSQLAVR ox MTYGTPSLPARVPLGVLASR ox NSWFGISGSQR NSWFGISGSQR RGPETLTYVTPPEVTE SQYNFIADVVEK TAPAVVYIEILDRHPFSGR TQSQLAVR VILGSPAHR VRLPSGDTYEAMVAVDPVADIATLR ox VTAGISFAIPSDR VTAGISFAIPSDRLR
gi 113580	Serum albumin precursor	AADKDNCFATEGPNLVAR AETFTFHSIDICTLPDKEK AFKAWAVAR APQVSTPTLVEAAR ATEDQLKTVMGDFAQFVDK ox CCAEGDPPACYGTVLAEFQPLVEEPK CCSGSLVER CCTLPEAQR CCTLPEAQRPCVEDYLSAILNR CPYEEHILVQEVTDFAK DNYGELADCCAK DVFLGTFLYEYSR EAHKSEIAHR ECCHGDLLCADDRAELAK FKDLGEQHFK FPNAEFAEITK GLVLIASFQYLQK HKPKATEDQLK HPDYSVSLLLR KQALAEVLK KYEATLEK LCVLHEKTPVSEK LGEYGFQNAVLR LPCVEDYLSAILNR LQACCDKPVQK LVQEVTDFAK MKCSSMQR ox MKCSSMQR ox ox MSQRFPNAEFAEITK MSQRFPNAEFAEITK ox NECFLQHK NLVKTNCELYEK NYAEAKDVFLGTFLYEYSR QEPERNECFLQHK QALAEVLK RHPDYSVSLLLR RHPYFYAPPELLYAEK RPCFSALTVDETYVPK SIHTLFGDKLCAIPK TNCELYEK TNCELYEKLGEYGFQNAVLR TVMGDFAQFVDK TVMGDFAQFVDK ox TVMGDFAQFVDKCK TVMGDFAQFVDKCK ox YMCENQATISSK YMCENQATISSK ox YNEVLTQCCTESDKAACTLPK YTQKAPQVSTPTLVEAAR
gi 7387725	Short chain 3-hydroxyacyl-CoA dehydrogenase, mitochondrial [Precursor]	DTPGFIVNR DTPGFIVNRLLVPYLIEAIR FAGLHFFNPVPMK ox FAGLHFFNPVPMK ox ox FTENPKAADEFVEK

		<p>GIEESLKR            HPVSCKDTPGFIVNR            LDKFAEHTIFASNTSSLQITNIANATTR            LLVPYLIEAIR            LLVPYLIEAIRLHER            LVEVIKTPMTSQK            LVEVIKTPMTSQK ox            QDRFAGLHFFNPVPMMK            QDRFAGLHFFNPVPMMK ox            QDRFAGLHFFNPVPMMK ox ox            TFESLVDfCK            TGEgFYKYK            TLSSLSTSTDAASVVHSTDLVVEAIVENLK</p>
gi 34877556	Similar to 6-phosphogluconolactonase	<p>LLSVPFEK            AASCLEGNR            WTLGFCDER            AASCLEGNRGR            DLPAATAPAGPASfAR            IVAPIGDSKPPPPQR            FALGLSGGSLVSMLAR            TGALCWFLDEAAAR            FALGLSGGSLVSMLAR ox            LVPFDAESTYGLYR            EKIVAPIGDSKPPPPQR            ILEDQESALPAAMVQPR            ILEDQESALPAAMVQPR ox VTLTLPVLNAAQSVIFVATGEGK            LPIPSQVLTIDPALPVEDAAEDYAR</p>
gi 34851770	Similar to Ac2-202 (D-lactate dehydrogenase)	<p>ALNTHLR            NELWAAR            AFAENLGR            KALNTHLR            AFAENLGRR            QLKDTLDPR            VKAFAENLGR            QHHGHDESMHR ox            AVVGSPHVSTASAVR            EEEEEKDNDDGVK            DNVINLEVVLDPGR            IEFLDEVMMDACNR ox            QLLQEEVGPVGVETMR            ALALHGTCTGEHGIGLGK            QLLQEEVGPVGVETMR ox            ALALHGTCTGEHGIGLGKR            CRPPDAVVWPQNVQVSR            IEFLDEVMMDACNRHSK ox ox            YGTMRDNVINLEVVLDPGR</p>
gi 34853775	Similar to acetyl CoA transferase-like	<p>EVLQRAK            APHLAHLR            HGSNLEAMSK ox            ILVTLHLTLER            GLTEVKIDEFPR            EAQDKVAVVSQNR            AGHFDKEIVPVHVSSR            VNIDGGAIALGHPLGASGCR            GVAALCIGGGMGIAMCVQR ox ox            TAIGSFNGALSTVPVHNLGTTVIK            VAPEEVSEVIFGHVLTAGCGQNPTR            ELGLSPEKVNIDGGAIALGHPLGASGCR            AKVAPEEVSEVIFGHVLTAGCGQNPTR            TAIGSFNGALSTVPVHNLGTTVIKEVLQR</p>
gi 25023714	Similar to aldehyde dehydrogenase 4A1 precursor	<p>AADMLSGPR ox            ASGTNDKPGGPHYILR            DKEYQETIGQIELELATAK            ETHKPLGDWR            ETLQLVDSTTSYGLTGAVFAQDK            FCYADKALLNK            GRLEEHSR            GVGKICGYQTWIMGK ox            IKVGNPAEDFGTFFSAVIDAK            KEWDLKPVADR            LAGECGKNFHFVHSSADVDSVVSGLTR            LYVPQSLWPQIK            NAAGNFYINDK            NAAGNFYINDKSTGSVVGQPPFGGAR            NFHFVHSSADVDSVVSGLTR            QVAQNLDLR            QVAQNLDLDRF            RLTYINNVSWYTPNNTAR            SAFEYGGQK            SQYEQLAEQNR            STGSVVGQPPFGGAR            TLAHGMVPPPTSK ox            TVIQAEIDAAAELIDFFR            TVIQAEIDAAAELIDFFRfNAK            VANEPILAFtQGSPEr            VANEPILAFtQGSPErDALQK            VGNPAEDFGTFFSAVIDAK            WKHASSLK            WTSPQVIK</p>



		ISIFGHSMGGHGALICALKNPGK ISIFGHSMGGHGALICALKNPGK ox KAFNGYLGPDQSK LQEGYDHSYYFIATFITDHIR MKFAIYLPQAESAK ox MYSYVTEELPQLINANFPVDPQR MYSYVTEELPQLINANFPVDPQR ox SGCQQAASEHGLVVIAPDTSR SVSAFAPICNVLCPWGK WKAYDATCLVK
gi 34856991	Similar to GMP synthase [glutamine-hydrolyzing]	ALNQDQVIAVHIDNGFMR ox ELDLPEELVSR LYGVQFHPEVGLTENGK NFLYDIAGCSGNFTVQNR QADFEAHNLR QADFEAHNLRRESGYAGK SGNIVAGIANESKK SVREDGVFNISMDNTCSLFR ox VINAASHFYNGTTLPISDEDRTPR VVIYIFGPPVK
gi 34858543	Similar to heme-binding protein	EADYVAHATQLR EGITVYSTQFGGYAK FATVEVTDKPVDEALR FATVEVTDKPVDEALREAMPK FATVEVTDKPVDEALREAMPK ox IEEREGITVYSTQFGGYAK IPNQFGSPPTPSDQSVK IPNQFGSPPTPSDQSVKIEER TTLEGTPTYQGDDVYYCAGYDPPMKPYGR ox
gi 34858868	Similar to heterogeneous nuclear ribonucleoproteins A2/B1	AVAREESGKPGAHVTVK DYFEEYKIDTIEIITDR EESGKPGAHVTVK GFGDGYNGYGGGGGGNFGGSPGYGGGR GFGFVTFDDHDPVVK GFGFVTFDDHDPVVKIVLQK GGGGNFGPGPGSNFR GGGGNFGPGPGSNFRGGSDGYGSGR GGNFGFGDSR GGSDGYGSGR IDTIEIITDR KLFIGGLSFETTEESLR LFIGGLSFETTEESLR LFIGGLSFETTEESLRNYEQWGK LFVGGIKEDTEEHHLR NMGGPYGGGNYGPGSGGGGGYGGGR NMGGPYGGGNYGPGSGGGGGYGGGR ox NYEQWGK QEMQEVQSSR ox SGRGGNFGFGDSR YHTINGHNAEVR YHTINGHNAEVRK
gi 27676450	Similar to HSCO protein	ASPGHTPGCVTVFLNDQSMFTGDALLIR ox DAQLIKELGLK EAILIDPVLETahrDAQLIK GCGRTDFQGGCAK IFTLPGNCLIYPAHDYHGLTVSTVEEER LLYAVNTHCHADHITGSGVLR LSGAQADLHIGEGDSIFPGR LSQASAGAPVLLR LTLSCFEFIK SCTYTYLLGDRDSR SLLPGCQSVISR TDFQGGCAK TYHSVHEK VMDNLNLPKPHQIDIAVPANMR ox ox
gi 27705654	Similar to hypothetical protein BC002980	KPYVKPDR GKTILDNVR ALNVVDLLGK KPYVKPDR IDREHPDMR IDREHPDMR ox NISNQFSITTK SPTFELERPVAK GNITYETMVEILR TVNLFQYSMAKR EVFEEIESILQNR ADTAEKALNVVDLLGK HKGNITYETMVEILR EDISKEEALLGMDLVR HKGNITYETMVEILR ox EDISKEEALLGMDLVR ox HLLYQNHQQALEMISNHKEK HLLYQNHQQALEMISNHKEK ox LFDEVQEVYFPAAVHSDLEKR
gi 27722175	Similar to Hypothetical protein CGI-99	AGVMALANLLQIQR AGVMALANLLQIQR ox DVNCPFKIQDR

		<p>HILGFDTGDAVLNEAAQILR  HYKIEDR  IEDRGNLR  INEAIVAVQAIADPK  INEAIVAVQAIADPKTDHR  IQDRQEAIWLLGLAVR  LLHIEELR  LLHIEELRELQTK  NFIVWLEDQKIR  NIHSSDWPKFEK  NSEPLINLDVNNPDFK  YKDSVPDNR  YLRDVNCPFK</p>
gi 34854388	Similar to hypothetical protein FLJ30596	<p>ALNEVFIGESLSSR  AWSFNINR  ELAGGGSPADGGFRPSR  EYDEETVR  GSSYSGLLER  ILFSIREPIANR  LKPVIGVNTDPER  LKPVIGVNTDPERSEGHLCPLVR  RQGNLTLPNK  SEGHLCPLVR  TTRYEFEQQR  VAAQAVEDVLENIAR  VAAQAVEDVLENIARR  VTNEYNESLLYSPEEPK  YTHSFPEALQK</p>
gi 34864943	Similar to hypothetical protein MGC35366	<p>AVGPADIIR  AAELGAELGAR  QASEEELFR  QGDAAHINASR  QFSGETFEER  GELYLTGSELR  SGYGLNLETELK  LLENAQQVVLVCAR  TAVEAADDIISHHLPR  SLAVLEGASLVVGTDLIK  VGLQINFGDELHPMK ox</p>
gi 27732417	Similar to inosine triphosphatase. Inosine triphosphate pyrophosphatase	<p>AEKNTISHR  ALFKLQEYFGVTDGAGDH  GKTPGQIVMPR ox  IDLPEYQGEPDEISIQK  IVFVTGNAK  IVFVTGNAKK  LKPEGLYQLLAGFEDK  LQEYFGVTDGAGDH  TPGQIVMPR ox</p>
gi 34878080	Similar to leucine aminopeptidase	<p>ADMGGAATCSAIVSAK ox  ANKPGDVVR  ASANMDLMR  DDDVPQFTSAGENFNKLVSGR  DKDDDVQFTSAGENFNK  SASSKTEVHIR  GLVLGIYSK  GSEEPVVFLEIHYTGSPNATEAPLVFVGK  KGMSGRPTR  LFEASVETGDR  LFEASVETGDRVWR  LHGSGDLEAWEK  LHGSGDLEAWEKGVLFASGQNLAR  LILADALCYAHTFNPK  LNLPIIIGLAPLCEMPSGK ox  LREMLNISGPPLK  LREMLNISGPPLK ox  MPLFEHYTR  MPLFEHYTR ox  QLMESPANEMTPTR ox  QLMESPANEMTPTR ox ox  QVIDCQLADVNNLGKYR  SAGACTAAAFRLR  SAGACTAAAFRLREFVTHTK  SAGVDDQENWHEGKENIR  SWIEEQEMGSFLSVAK ox  TFYGLHQDFPSVVVVLGK  TFYGLHQDFPSVVVVLGKR  TIQVDNTDAEGR  TLIEFLLR  TRTFYGLHQDFPSVVVVLGK  WAHLDIAGVMTNKDEIPYLR ox</p>
gi 34872897	Similar to proteasome similar to 26S proteasome non-ATPase regulatory subunit 11	<p>AELRDDPIIETHLAK  ALLVEVQLLESK  EASIDILHSIVKR  IMLNTPEDVQALVSGK ox  LVSLYFDTK  LVSLYFDTKR  LYDNLLEQNLIR  MAAAAVVEFQR ox</p>

		TGQAAELGGLLK TGQAAELGGLLK YVRPFLNSISK TYHALSNLPK VCVSGVGGRR VQIEHISLIK YMLLCK ox YQEALHLGSQLLR YVRPFLNSISK
gi 34870743	Similar to protein kinase C inhibitor. Histidine triad nucleotide-binding protein 1	AQVAQPGGDTIFGK CAADLGLKR CLAFHDISPQAPTHFLVIPK EIPAKIIFEDDR HISQISVADDDDESLGHLMIIVGKK ox IIFEDDRCLAFHDISPQAPTHFLVIPK MNVNEGADGGQSVYHIHLHVLGGR MNVNEGADGGQSVYHIHLHVLGGR ox
gi 34852506	Similar to pyrophosphatase	NTHDYWK AAPFTLEYR VCARGEIIR YVANLFPYK NKEFAVDIIK DVFHMVVEVPR DVFHMVVEVPR ox LRYVANLFPYK GISCMNTTVSESPFK ox LKPGLYLEATVDWFR VLGILAMIDEGETDVK ox LKPGLYLEATVDWFR VPDGKPENEFAFNAEFK YKVPDGKPENEFAFNAEFK VIAINVDDPDAANYHDISDVER
gi 34856022	Similar to RIKEN cDNA 0610012D14	GALWGCEDISR GALWGCEDISR L DAAGGLQSLR GLCPLAPR HANLLVGSPSALADQTTER HPDLVVEVAHPK IHESGVQILR LDAAGGLQSLR LGQSLVSR LLAQGSELGLELVFVWNRDPGR MAGSVPPALQLEDLTTLEER ox MAGSVPPALQLEDLTTLEERHPDLVVEVAHPK ox NSNTMAAAALAAPSLGFDR NSNTMAAAALAAPSLGFDR ox QLEASNHWGHTVFVAR SFAVHTHR TVLYEGPVR VGVVGYGR VIGVLVADLSLTDMHVVDVELTGPPGPTGR VIGVLVADLSLTDMHVVDVELTGPPGPTGR ox VPHKVG VVGYGR VTMATHPDGFR VTMATHPDGFR ox VTMATHPDGFRLEGPLAAAHSSGPR VTMATHPDGFRLEGPLAAAHSSGPR ox
gi 27721409	Similar to RIKEN cDNA 1810013B01	AVAIDLPLGR FSVLLHGIR AVAIDLPLGRSK GYVPVAPICTDK FSSETWQNLGTLHR LAEAGYRAVAIDLPLGR GYVPVAPICTDKINAADYAR TPTLIVYGDQDPMGSSSFQHLK ox VKTPTLIVYGDQDPMGSSSFQHLK ox
gi 34858672	Similar to RIKEN cDNA B430104H02	ALAAQLPLIPR ATDVMAYVAGFTVAHDVSAR DTIADPHNLK EVDWEVEMAVVIGK ox EVDWEVEMAVVIGK ox FSSSIVGPDYDSIILPPESK GETALSVARR KGDEVQCEIEELGVIINK LLSTLLQVQK LLSTLLQVQKRPCQPCR NGKQWLLGK SQVTFLAPVTRPDK TFDTFCPLGPALVTK TMVQFLER TMVQFLER ox TMVQFLERGETALSVAR ox VICVGLNYADHCQEQNVR VNGEIVQSSNTNQMVFK ox
gi 27696838	Similar to SEC14 (S. cerevisiae)-like 2 (alpha-tocopherol associated protein)	AGEMTEVLPNQR FDNTYSLHTK FDNTYSLHTKK FMSPDQLPVEFGGTMTPDGNPK ox ox GSSHQVENEILFPGCVLR

		HYHLSQERPQYEHNVVVG IVILGGNWKQELLK LFPVAFNLVK LQGFVSTGPPQDSGHS <sub>GGH</sub> NLIVIRAPK QKAGEMTEVLPNQR QKAGEMTEVLPNQR ox SFIGEVTQKK TGVYVLRFDNTYSL <sub>LHTK</sub> VGYTAEVLLPDKACEEK YNSHMVPE <sub>DGSLTCLK</sub> ox
gi 27708582	Similar to serum paraoxonase/arylesterase 3	LLNFRER MLIGTIFHK YVYVADVTAK IQDPLSDNPR KMLIGTIFHK HNNWDLTPVK IFLMDLNEPYPK FEEQPRSLVHLK IFLMDLNEPYPK ox YPGMPFAPDKPGR YPGMPFAPDKPGR ox LVALTVLGASLALLGER LLIYNPEDPPGSEVLR GKLV <sub>ALTVLGASLALLGER</sub> VVAQGFSSANGITVSLDQK SLNLQEGLDADQRTEDR TIKHELFE <sub>SVNDIVVLGPEQFYATR</sub>
gi 34859187	Similar to Tu translation elongation factor, mitochondrial	AEAGDNLGALVR ARGITINAAHVEYSTAAR DKPHVNVGTIGHVDHGKTTLTAATK DLEKPFLLPVESVYSIPGR EHLLLAK FTLRDGNK GDECELLGHKNIR GEETPVIVGSALCALEQR GITINAAHVEYSTAAR GLVMVKPGSIQPHQK ox GTVVVTGLER LLD <sub>AVDTYIPVPTR</sub> LSLILRQPMILEK ox NMITGTAPLDGCILVVAANDGMPMPQTR ox ox QIGVEHV <sub>VVYVVK</sub> SLERAEAGDNLGALVR TIGTGLVTDVPAMTEEDKNIK ox TVVTGIEMFHK TVVTGIEMFHKSLER ox VEAQVYILSKEEGGR VILPPGKELAMPGEDLK ox
gi 27721773	Similar to xylulokinase homolog	CCLGWDFSTQQVK DLPEFGTQGGVHVHKDR FNADNMEVSAPGDVEIR FNADNMEVSAPGDVEIR ox IFQKNPEAYSNSER IHAEGLGYR IRDESASCSW <sub>NK</sub> LGSPVPSCSVVGAISSYYVQR NPEAYSNSER QYMALLCFK ox RIHAEGLGYR VVAFTGDNPASLAGMR VVAFTGDNPASLAGMR ox VWSQA <sub>CLDACAPHLK</sub> YGFPPGCK
gi 34935094	Similar to glyoxylate reductase/hydroxypyruvate reductase	DLEQG <sub>VAGAYLLCR</sub> GEPMPSELKL ox GLCNKDF <sub>FQK</sub> KLLDAAGANLR LKPFVQ <sub>R</sub> LLDAAGANLR LMKVFTG <sub>PLPAQGR</sub> ox NCVILPHIGSATYK NTMSLLAANNLAGLR NTMSLLAANNLAGLR ox RLKPFVQ <sub>R</sub> RLPEAIEEVK VFVTG <sub>PLPAQGR</sub> VGYTPGVLTDAE <sub>LAVSLLTTCT</sub> VISTLSVGDH <sub>LALDEIK</sub> VISTLSVGDH <sub>LALDEIKK</sub>
gi 462371	Soluble epoxide hydrolase	ACGASLPENFSISEIFSQAMAAR ox AKPNEVVFLDDFGSNL <sub>KPAR</sub> DMGMVTILVR ox DMGMVTILVR ox ox DTASALRELEK HTEALALPR ITTEEEIYYIQ <sub>QFKK</sub> NMENWIPFLKR

		<p> NMENWIPFLKR ox  SGFRGPLNWYR  SINRPMQAAAAALK  SINRPMQAAAAALK ox  SINRPMQAAAAALKK ox  VAAFDLGVLALPSIAGVLR  YQIPALAQAGFR </p>
gi 2506157	Sorbitol dehydrogenase	<p> AKEVGADFTIQVAK  AMGASQVVVIDLSASR  AVEAFETAK  AVEAFETAKK  EIDEFCK  EIDEFCKIGR  EVDIKGVFR  EVGADFTIQVAKETPHDIAK  FYKHSADFCYK  GENLSLVVHGPDIR  GSVSLGNKVLVCGAGPIGIVTLLVAK  HLKPGDRVAIEPGVPR  HSADFCYK  IGDFVVKPMPVLGHEAAGTVTK  IGDFVVKPMPVLGHEAAGTVTK ox  KPMVLGHEAAGTVTK  KPMVLGHEAAGTVTK ox  LENYPIPELGPNDVLLK  LPDSVTFEEGALIEPLSVGIYACR  MHSVIGCGSDVHYWEHGR  MHSVIGCGSDVHYWEHGR ox  TLNVKPLVTHR  TLNVKPLVTHRFPLEK  VAIEPGVPR  VAIEPGVPREIDEFCK  VLVCGAGPIGIVTLLVAK  VMIKCDPNDQNP ox  YCNTWPMVAVSMASK ox ox  YNLTPSIFFCATPPDDGNLCR </p>
gi 34867290	Stomatin-like protein 2	<p> APVPGAQNSSEAR  APVPGAQNSSEARR  ASYGVEDPEYAVTQLAQTTMR  ASYGVEDPEYAVTQLAQTTMR ox  DVQTTDTSIEELGR  ESMQMQVEAERR ox ox  ILAGALTQHNGDAAAASLTVAEQYVSAFSK  ILEPGLNVLIPVLDLDR  ILEPGLNVLIPVLDLDR  LSLDKVFVR  NTVILFVPPQEAWVVER  QAQILASEAEKAEQINQAAGEASAVLAK  RDVQTTDTSIEELGR  YEIKDHHVPPR </p>
gi 2119726	Stress-70 protein mitochondrial	<p> AKCELSVVQTDINLPYLTMDSAGPK ox  AMQDAEVSKSDIGEVLVGGMTR ox  AMQDAEVSKSDIGEVLVGGMTR ox ox  AQFEGIVTDLIK  AQFEGIVTDLIKR  ASNGDAWVEAHGK  CELSVVQTDINLPYLTMDSAGPK ox  DAGQISGLNVLR  EMAGDNKLLGQFTLIGIPPAPR  EMAGDNKLLGQFTLIGIPPAPR ox  EQQIVIQSSGGLSKDDIENMVK  EQQIVIQSSGGLSKDDIENMVK ox  ETGVDLTKDNMALQR ox  GAVVGDIDLTTNSCVAVMEGK ox  GVPQIEVTFDIDANGIVHVS AK  HQDQWNGLSHEAFR  KDESETGENIR  LFEMAYK ox  LFEMAYKK  LLGQFTLIGIPPAPR  LVGTTASRSPAAAR  LYSPSQIGAFVLMK  LYSPSQIGAFVLMK ox  MKETAENYLGHATAK ox  NAEKYAEEDR  NAVITVPAYFNDSQR  NTTIPTKK  QAASSLQQASLK  QATKDAGQISGLNVLR  QAVTNPNTFYATK  QAVTNPNTFYATKR  SDIGEVLVGGMTR  SDIGEVLVGGMTR ox  SQVFSTAADGQTQVEIK  STNGDTFLGGEDFDQALLR  TTPSVVAFTPDGER  VCQGEREMAGDNK  VCQGEREMAGDNK ox  VEAVNMAEGIIHDTETK  VEAVNMAEGIIHDTETK ox </p>

		VINEPTAAALAYGLDK VINEPTAAALAYGLDKSEDK VLENAEGAR VQQTVDLDFGR VQQTVDLDFGRAPSK YAEEDRR YDDPEVQK YDDPEVQKDTK
gi 20302113	Stress-induced-phosphoprotein 1 (Hop)	AIEVGREN ALDLSSCKEADGYQR ALSAGNIDDALQCYSEAIK AMADPEVQQIMSDPAMR ox ox AMADPEVQQIMSDPAMR ox ox AYEDGCKTVDLKPDPWGK CMAAQYNR ox CMAAQYNR ox ox EGLQNMEAR EGLQNMEAR ox EGLQNMEARLAER ELDPTNMTYITNQAAVHFEK ox ELIEQLQNKPSDLGTK ENREDYR EQERLAYINPDLALEEK FMNPFNLPNLYQK ox HYTEAIKR IGNSYFKEER IQKLMVDVGLAIR ox KAAALEFLNR KFMNPFNLPNLYQK ox LAYINPDLALEEK LDPQNHVLYSNR LMDVGLAIR LMDVGLAIR ox TLLSDPTYRELIEQLQNKPSDLGTK TVDLKPDPWGK TVDLKPDPWGKGYSR TYEEGLKHEANLQLK YKDAIHFYNK
gi 21542246	Stromal cell-derived factor 2-like protein 1 [Precursor]	AMEGIFKPGADLSTGHDEL CGQAVRLTHVLTGK CSGQHWEREASVR FQHVGTSVFLSVTGEQYGNPIR GLPVRGQAVR GQHEVHGMPSANAHNTWK ox IRGGSEGGCPR VRLHSHDIK
gi 52782765	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial [Precursor]	AAFGLSEAGNTACLT ACALSIAESCRPGDK ACALSIAESCRPGDKVPPIK AKNTIATGGYGR ANAGEESVMNLDKLR ANAGEESVMNLDKLR ox CCCVADR FGKGGQHR GCGPEKDHVYLQLHLLPPEQLATR GEGGILINSQGER GVIALCIEDGSIHR IDEYDYSKPIEGQQK KPF AEHWR KPF AEHWRK LGANSLDLVVFGR NTIATGGYGR SMQSHAAVFR SMQSHAAVFR ox TEDGRIYQR TGHSLHTLYGR TLNEADCATVPPAIR TYFSCSAHTSTGDGTAMVTR TYFSCSAHTSTGDGTAMVTR ox VRIDEYDYSKPIEGQQK VSDAISTQYPVVDHEFDVAVVVGAGGAGLR VSQLYGDLQHLK VTLDYRPPVIDK WHFYDTVK
gi 1711535	Succinate semialdehyde dehydrogenase	AAYDAFSSWK AAYDAFSSWKEISVK AKEVGEVLCIDPLVSK EGSKYGIDEYLEVK EVGEVLCIDPLVSK FRNAGQTCVCSNR HQSGGNFFEPTLLSNVTR ILLHHAANSVK ILLHHAANSVKR ISFTGSTATGK LGTVADCGVPEAR NAGQTCVCSNR VGGPADLHADLLR VGGPADLHADLLRGSFVGGRR VNGFEEGTTQGPLINEK

		VYGDIIYTSAK WLPTATFPVYDPASGAK YGIDEYLEVK
gi 28529917	Succinate-Coenzyme A ligase, GDP-forming, beta subunit	ALGPLLEVRSQAGHLTPR ASPVASAQAGK DIFAMDDKSENEPIEENEAAR DIFAMDDKSENEPIEENEAAR ox EIVLKAQILAGGR ETYLAILMDR ETYLAILMDR ox GGVHLTKDPK IDATQVEVNPFGETPEGQVVCFDAK INFDDNAEFRQK KLMSEHGVR KLMSEHGVR ox KLYHLFLK LMSEHGVR ox LYHLFLK MAENLGLGSLK ox NQAADQIKK SQAGHLTPRR SSGLPITSAVDLEDAAKK VMVAEALDISR ox VNKMVAEALDISR ox VQRFFVANTAK
gi 34874487	Succinyl-CoA ligase [ADP-forming] beta-chain, mitochondrial [Precursor]	CDIIAQGIVMAVK ox DLEIRIPVVVR EAHVDVKFQLPI EPVDIIEGVK EYYFAITMER EYYFAITMER ox GRICNQVLVCER ICNQVLVCER ILACDDLDEAAKMVVK ILACDDLDEAAKMVVK ox INFDSNSAYR IVFSPPEAK IVFSPPEAKAVSSQMIGQK IVFSPPEAKAVSSQMIGQK ox KMGFSPNIVDSAAENMIK ox KMGFSPNIVDSAAENMIK ox ox LHGGTPANFLDVGGGATVHQVTEAFK MVVKLSIEVTLAK REYYFAITMER REYYFAITMER ox VQAILVNIFGGIMR VQAILVNIFGGIMR ox
gi 34857707	Succinyl-CoA ligase beta-chain, mitochondrial precursor (Similar to Succinyl-CoA ligase) [GDP-forming]	ACQELELK ACQELELKVPLVVR DIFAMDDKSENEPIEENEAAR DIFAMDDKSENEPIEENEAAR ox EQIDIFEGIK ESQVYQAFK ETYLAILMDR ETYLAILMDR ox IDATQVEVNPFGETPEGQVVCFDAK INFDDNAEFRQK KLYHLFLK LEGTNVQEAQNILK LLTSDPKVEAILVNIFGGIVNCAIANGITK LYHLFLK MAENLGLGSLK MAENLGLGSLK ox SENEPIEENEAAR SHNGPVLVGSPPQGGVDIEEVAASSPELIFK SSGLPITSAVDLEDAAK SSGLPITSAVDLEDAAK VEAILVNIFGGIVNCAIANGITK VMVAEALDISR VMVAEALDISR ox VNKMVAEALDISR ox VVGQLAQQMIGYNLTK VVGQLAQQMIGYNLTK ox
gi 135025	Succinyl-CoAligase[GDP-forming]alpha-chain,mitochondrial[Precursor]	HGSYTASR HGSYTASRK VICQGFTGK LVGGTTPGK LIGPNCPIINPGECK IGIMPGHIHK GIMPGHIHK PVVSFIAGITAPPGR PVVSFIAGITAPPGRR MGHAGAIAGGK GGAKEK ISALQSAGVIVMSPAQLGTCTMYK
gi 586053	Sulfite oxidase	AHVPAEQKELNICK AMDPAEVELLAYEMNGQLPR ox ox DHGFPVR

		DHGFVVRVVVPGVVGAR ELLAEYKIGELNPEDR FVDLHPGGQSK GVLSNAWHR GYAWSGGGR HEVTVTLQCAGNR HEVTVTLQCAGNRR HVKWLGR IGELNPEDR INSQRFNAEPPPELLTESYITPNPIFFTR IYSKEDVR KAWAWR LCDVLAQAGHR LHVVGAPGGQSLSLDDLHKFPK LMLAAGGPLEFFWALYAVHNQPHVR LMLAAGGPLEFFWALYAVHNQPHVR ox LRETEAHVCFEGLSDPTGTAYGASIPLAR MSPPLEASDPYSNDPMRHPALR ox MSPPLEASDPYSNDPMRHPALR ox ox NHLVPNLDPTTYR SHNNLQTVGVWVTLGSEVFDVTKFVDLHPGGQSK VSVEEESYSHWQR VSVEEESYSHWQR VVVPGVVGAR
gi 13929194	Sulfotransferase family 1A, phenol-preferring, member 1	CPGVPSGLETLEETPAPR DVVVSYYNFYNMAK ox EFSRPPLVHVKGIPLIK HTHPVLVLFYEDIKENPK LLKTHLPLSLLPQSLLDQK NAKDVVVSYYNFYNMAK NAKDVVVSYYNFYNMAK ox NTFTVAQNERFDAHYAK SGTTWMSEILDMIYQGGKLEK SGTTWMSEILDMIYQGGKLEK ox SLPEETVDSIVHHTSFK SLPEETVDSIVHHTSFK THLPLSLLPQSLLDQK TMTDCDFKFR TMTDCDFKFR ox
gi 134625	Superoxide dismutase	AMKAVCVLK AVCVLKGDPVQGVHFEQK DGVANVSIEDR DGVANVSIEDRVISLSGEHSIIGR GDGPVQGVHFEQK HGGPADEER HGGPADEERHVGD LGNVAAGK HVGDLGNVAAGK HVGDLGNVAAGK DGVANVSIEDR KHGGPADEER LACGVIGIAQ QDDLKGGGNEESTK VISLSGEHSIIGR
gi 134678	Superoxide dismutase precursor	LGPAASTAGSR HSLPDLPYDYGALPHINAQIMQLHHSK YHEALAK GDVTTQVALQPALK FNGGGHINHSIFWTNLSPK DFGSFEK AIWNVINWENVSQR
gi 34872230	Taste receptor, type 1, member 2	AADMLSGPR AELVVFKGLMSDPMTDLDTK ox AIEAAVLR ALNDLKDQTEAIPCVVGDEEVWTS DVR AMKVDMDICR CYMILFYPER ETLQLVDSTTSYGLTGAVFAQDK KEWDLKPVADR LLEEHSR LYVPQSLWPQIK NAAGNFYINDK NFHFVHSSADVSVSGTLR QLDNILDK QVAQNDRFR RQGAGVLSVEDQNPGR SAFEYGGQK STGSVVGQQPFGGAR TVIQAEIDAAAELIDFFR VANEPILAFQTQSPERDALQK VGNPAEDFGTFFSAVIDAK VLGYNLMQAMR ox ox WLEHAR YRETLQLVDSTTSYGLTGAVFAQDK
gi 135539	T-complex protein 1, alpha subunit	AFHNEAQVNPER AFHNEAQVNPERK ARTSASILR DDKHGGYENAVHSGALDD DNKQAGVFEPITVK EQLAIAEFAR

		<p>           ESDITKER            FATEAAITILR            FATEAAITILRIDDLIK            GANDFMCDEMER            GANDFMCDEMER ox            GANDFMCDEMER ox ox            IACDFSLQK            ICDELILIK            ICDELILIKNTK            IHPTSVISGYR            ILATGANVILTTGGIDDMCLK            ILATGANVILTTGGIDDMCLK ox            LGVQVVITDPEK            LGVQVVITDPEKLDQIR            LRAFHNEAQNPER            MLVDDIGDVTITNDGATILK            MLVDDIGDVTITNDGATILK ox            NLKWIGLDLVHGKPR            QAGVFEPTIVK            QAGVFEPTIVKVK            QKIHPTSVISGYR            SLHDALCVVK            SLKFATEAAITILR            SLLVIPNTLAVNAAQDSTDLVAK            SQIESMLINGYALNCVVGSGMGLKR ox ox            SQNVMAAASIANIVK            SSLGPPVGLDKMLVDDIGDVTITNDGATILK ox            STGEAIRSQNVMAAASIANIVK            STGEAIRSQNVMAAASIANIVK ox            SVVPGGAVEAALSIIYENYATSMGSR ox            VLCELADLQDKEVGDGTTSVVIAAELLK            WIGLDLVHGKPR            YFVEAGAMAVRR            YINENLIINTDELGR            YINENLIINTDELGRDCLINAAK            YPVNSVNIK            YTDIRGQPR         </p>
gi 135826	Thiosulfate sulfurtransferase [Fragment]	<p>           ATLNRSLLK            EGHVPTSEPSRPEPAVFK            GSVNVPFMFLTEDGFESKPEELR ox            HVPGASFFDIEECR            RFQLVDSR            SLLKTYEQVLENLQSK            TVSVLNGGFR            TVSVLNGGFRNWLK            TYEQVLENLQSKR            VDLSQPLIATCR            VDLSQPLIATCRK            VLDASWYSPGTR            VVWMFR ox            YLGTQPEPDAVGLDSGHIR         </p>
gi 13928716	Thyroid hormone-regulated proteinase inhibitor (Contrapsin-like protease inhibitor 1 [Precursor])	<p>           ALYQAEAFADTFQQR            AVLDVAETGTEAAAATGVK            DEIQISTGNALFIEKR            DTFQSEFYSGKR            FSISADYNLEDVLPGLIK            GSSMEEILEGLK ox            IQGLITNLAKK            KTSMLVNYIYFK ox            LQVLAEFQEK            LQVLAEFQEKAK            LSQPRDEIQISTGNALFIEK            MQQVEASLQPETLR ox            MQQVEASLQPETLRR            MQQVEASLQPETLRR ox            RLQVLAEFQEK            VPMMKLEDLTPYVR            WKVFPDPR         </p>
gi 13928716	Thyroid hormone-regulated proteinase inhibitor (Contrapsin-like protease inhibitor 1 [Precursor])	<p>           ALYQAEAFADTFQQR            AVLDVAETGTEAAAATGVK            DEIQISTGNALFIEKR            DTFQSEFYSGKR            FSISADYNLEDVLPGLIK            GSSMEEILEGLK ox            IQGLITNLAKK            KTSMLVNYIYFK ox            LQVLAEFQEK            LQVLAEFQEKAK            LSQPRDEIQISTGNALFIEK            MQQVEASLQPETLR ox            MQQVEASLQPETLRR            MQQVEASLQPETLRR ox            RLQVLAEFQEK            VPMMKLEDLTPYVR            WKVFPDPR         </p>
gi 34868689	TNF receptor-associated protein 1(Heat shock protein 75 kDa, mitochondrial [Precursor])	<p>           AFLEALQHQAETSSR            AQLLQPTLEINPR            DISEFQHEEFYR            EELVSNLGTIAR         </p>

		EGIVTTAEQDIKEDIAK ELGSSVALYSR ELLQESALIR ELLQESALIRK FEDTSPAGER FFEDYGLFMR ox GVVDESDIPLNLSR HLAEHSPYYEAMK ox KLLDIVAR LNDLLVKALER SDCKDFANESR SLYSEKEVFIR YESSALPAGQLTSLSDYASR YIAQAYDKPR YSNFVSFPLYLNGR
gi 17433174	Transaldolase	AAQTSDEKIHLEDEK ALAGCDFLTISPK FAADAIKLER FGYKTIVMGASFR ox IHLDEKAFR IELYKEAGISK ILDWHVANTDKK IYNYYKK LLGELLDSSK LSFDKDMAMVAR LSFDKDMAMVAR ox LSSTWEGIQAGK NAIDKLFVLFGAELK NTGEIKALAGCDFLTISPK SYEPQEDPGVK TIVMGASFR TIVMGASFR ox WLHNEDQMAVEK ox WLHNEDQMAVEKLSDGIR ox
gi 174637	Transitional endoplasmic reticulum ATPase	AHVIVMAATNRPN SIDPALR AHVIVMAATNRPN SIDPALR ox AIANECQANFISIK AVANETGAFFLINGPEIMSK ox DHFEEMR DVDLEFLAK EAVCIVLSDDTCSDEKIR ELQELVQYPVEHPDKFLK EMVELPLRHPALFK EMVELPLRHPALFK ox ESIESEIRR EVDIGIPDATGRLEILQIHTK GGNIGDGGGAADR GILLYGPPGTGK GVLFGPPGCGK IVSQLLTLM DGLK ox IVSQLLTLM DGLKQR KYEMFAQTLQQR KYEMFAQTLQQR ox LAGESESNLR LAGESESNLRK LDQLIYIPLPDEKSR LGDVISIQPCPDVK LIVDEAINEDNSVVSLSQPK MDELQLFR MDELQLFR ox MTNGFSGADLTEICQR ox NAPAIIFIDELDAIAPK NAPAIIFIDELDAIAPKR QAAPCVLFFDELDSIAK RDHFEEAMR VINQILTEMDGMSTKK ox ox VRLGDVISIQPCPDVK WALSQSNPSALR
gi 1729977	Transketolase	AFGQAKHQPTAIIAK AVELAANTKGICFIR DRTVPCSTFAAFFTR GITGIEDK GITGIEDKEAWHGKPLPK HQPTAIIAK ILATPPQEDAPSVDIANIR ISSDL DGHVPVK KAYGLALAK KISSDL DGHVPVK LAVSQVPR LDNLVAIFDINR LGHASDRRIALDGDTK LGQSDPAPLQH QVDVYQKR LILDCAR MFGIDKDAIVQAVK NMAEQIIQEIYSQVQSK NMAEQIIQEIYSQVQSK ox NPHNDRFVLSK NSTFSELFKK SGKPAELLKMFIDK ox TSRPENAIHYSNNEDFQVGQAK

		TVPFCSTFAAFFTR VLDPFTIKPLDKK YFDKASYR
gi 20663827	Transthyretin [Precursor]	ALGISPFHEYAEVVFTANDSGHR FTEGVYRVELDTK GPGGAGESKCPLMVK GPGGAGESKCPLMVK ox GSPAADVAVK GSPAADVAVKVKF HYTIAALLSPYSYSTTAVVSNPQN KTADGSWEPPFASGK TADGSWEPPFASGK TAESGELHGLTTDEK TAESGELHGLTTDEKFTEGVYR VLDAVRGSADVAVK
gi 2494234	Trifunctional enzyme alpha subunit, mitochondrial [Precursor]	AFGERFGGGSVELLK ALMGLYNGQVLCCK ALTSFER CLAPMMSEVIR ox ox CLAPMMSEVIR ox DDTVTGLGR FVDLYGAQK GCICTALQLLPALLSR GFYIYQSGSK GLYPAPLK GQQQVFK ILQEGVDPK ISQEGQKMEK ox KTVLGVPEVLLGILPGAGGTQR LMVSKGFLGR ox MFEKLEK MQLLEIITTDKTSK ox MVGVPAAFDMMMLTGR ox ox ox NKFGAPQK NKNLNSEIDNILVNLR NLNSEIDNILVNLR SGKGFYIYQSGSK TIEYLEEVAVNFAK TLLKDTTDTGLGR TVEEKVK TVLGVPEVLLGILPGAGGTQR TVLGVPEVLLGILPGAGGTQRLPK VIIVVKDGGPFYTTR
gi 38512111	Triosephosphate isomerase	AIADNVKDWCK CLGELICTLNAAK CNVSEGVAQCTR DLGATWVVLGHSER DLGATWVVLGHSERR EAGITEKVVFEQTK ELASQPDVDGFLVGGASLKPEFVDIINAK ELASQPDVDGFLVGGASLKPEFVDIINAKQ FFVGGNWK FFVGGNWKMNGR FFVGGNWKMNGR ox GWLKCNVSEGVAQCTR HIFGESDELIGQK IAVAAQNCYK IYGGSVTGATCK KFFVGGNWK LDEREAGITEK LPADTEVVCAPPTAYIDFAR RHIFGESDELIGQK TATPQQAQEVHEK TATPQQAQEVHEKLR VNHALSEGLGVACIGEK VNHALSEGLGVACIGEKLDER VTNGAFTGEISPGMIK ox VVLAYEPPWAIGTGK
gi 24119203	Tropomyosin 3	AADESERGMK ox AREQAEAEVASLNR CREMDEQIR CREMDEQIR ox CTKEEHLCTQR EAETRAEFAER EQAEAEVASLNR IQLVEEELDRAQER IQLVQQADDAEER IQLVQQADDAEERAER KLVIIIGDLER LATALQKLEEAEK LEEAEKAADESER LVIIIGDLER LVIIIGDLERTEER TIDDLEDKLK
gi 111212	Tropomyosin 5	AADESERGMK ox AREQAEAEVASLNR CREMDEQIR CREMDEQIR ox

		CTKEEHLCTQR EAKHIAEEADR EEHLCTQR EMDEQIR ox EQAEAEVASLNR EQAEAEVASLNR HIAEEADR HIAEEADR IQLVEEELDR IQLVEEELDRAQER IQVLQQADDAEER IQVLQQADDAEERAER KIQLQQADDAEER KLVIIEGDLER LATALQKLEAEK LEEAEKADESER LVIIEGDLER LVIIEGDLERTEER MAGTTTIEAVK MLDQTLLDLNNEM RIQLVEEELDR TIDDLKLEK
gi 29336093	Tropomyosin isoform 6	AREQAEAEVASLNR CREMDEQIR CREMDEQIR ox CTKEEHLCTQR EAETRAEFAER EQAEAEVASLNR EQAEAEVASLNR IQLVEEELDRAQER IQVLQQADDAEERAER KLVIIEGDLER MLDQTLLDLNNEM ox ox TEERAEAEER
gi 10881132	Tubulin alpha-1 chain	AVCMLSNTTAIAEAWAR AVCMLSNTTAIAEAWAR ox AVFVLEPTVIDEVR AVFVLEPTVIDEVRTGTYS AYHEQLSVAEITNACFEPANQMVK ox EDAANNYAR EIIDLVLDRIR FDGALNVDLTEFQTNLVPYPR GHYTIGKEIIDLVLDR HGKYMACECLLYR ox IHFPLATYAPVISAEK LDHKFDLMYAK LDHKFDLMYAK ox LISQIVSSITASLR NLDIERPTYTNLNR QLFHPEQLITGK QLFHPEQLITGKEDAANNYAR TIGGGDDSFNTFFSETGAGK TIGGGDDSFNTFFSETGAGKHVPR TIQFVDWCPTGFK VGINYQPPTVVPDGLAK YMACCLLYR YMACCLLYR ox YMACCLLYRGDVPK YMACCLLYRGDVPK ox
gi 34740335	Tubulin alpha-2 chain	AVCMLSNTTAIAEAWAR AVCMLSNTTAIAEAWAR ox AVFVLEPTVIDEVR FDGALNVDLTEFQTNLVPYPR GHYTIGKEIIDLVLDR IHFPLATYAPVISAEK LDHKFDLMYAK LISQIVSSITASLR NLDIERPTYTNLNR QLFHPEQLITGK QLFHPEQLITGKEDAANNYAR SIQFVDWCPTGFK TIGGGDDSFNTFFSETGAGK VGINYQPPTVVPDGLAK YMACCLLYR YMACCLLYR ox
gi 135422	Tubulin alpha-4 chain	AVCMLSNTTAIAEAWAR AVCMLSNTTAIAEAWAR ox AVFVLEPTVIDEIR AVFVLEPTVIDEIRNGPYR AYHEQLSVAEITNACFEPANQMVK ox EIIDPVLDRIR FDGALNVDLTEFQTNLVPYPR IHFPLATYAPVISAEK LDHKFDLMYAK LDHKFDLMYAK ox LISQIVSSITASLR NLDIERPTYTNLNR QLFHPEQLITGK QLFHPEQLITGKEDAANNYAR

		SIQFVDWCPTGFK TIGGGDDSFTEFCETGAGK TIGGGDDSFTEFCETGAGKHVPR VGINYQPPTVVPGGDLAK YMACLLYR YMACLLYR ox YMACLLYRGDVVPK
gi 135424	Tubulin alpha-6 chain	AVCMLSNTTAIAEAWAR ox AVFVDLEPTVIDEVR AYHEQLTVAEITNACFEPANQMVK ox DVNAAIATIK EDAANNYAR EIIDLVLDR EIIDLVLDRIR FDGALNVDLTFEQTNLVPYPR GHYTIGKEIDLVLDR IHFPLATYAPVISA EK LDHKFDLMYAK LDHKFDLMYAK ox LISQIVSSITASLR NLDIERPTYTNLNR QLFHPEQLITGK QLFHPEQLITGKEDAANNYAR TIGGGDDSFNTEFCETGAGK TIQFVDWCPTGFK VGINYQPPTVVPGGDLAK YMACLLYR YMACLLYR ox
gi 3745822	Tubulin Alpha-Beta Dimer, Electron Diffraction; ChainB	TAVCDIPPR NMMAACDPR IREEYPDR NMMAACDPR ox NMMAACDPR oxox FPGQLNADLR LAVNMVFPFR LAVNMVFPFR ox ISEQFTAMFR YLTVAAVFRGR FPGQLNADLRK KLAVNMVFPFR KLAVNMVFPFR ox IMNTFSVVPSPK TAVCDIPPRGLK IMNTFSVVPSPK ox INVYYNEAAGNK HGRYLTVAAVFR ISEQFTAMFRR ox EVDEQMLNVQNK EVDEQMLNVQNK ox AILVDLEPGTMDSVR LHFFMPGFAPLTSR AILVDLEPGTMDSVR ox LHFFMPGFAPLTSR ox ALTVP ELTQQMFD AK NSSYFVEWIPNNVK ALTVP ELTQQMFD AK ox EIVHIQAGQCGNQIGAK INVYYNEAAGNKYVPR MSMKEVDEQMLNVQNK MSMKEVDEQMLNVQNK ox MSMKEVDEQMLNVQNK oxox GHYTEGAELVDSVLDVVR MSATFIGNSTAIQELFKR MSATFIGNSTAIQELFKR ox GHYTEGAELVDSVLDVVRK MREIVHIQAGQCGNQIGAK MREIVHIQAGQCGNQIGAK ox LTTPTYGDLNHLVSATMSGVTTCLR SGPFQIFRPDNFVFGQSGAGNNWAK
gi 3745822	Tubulin Alpha-Beta Dimer, Electron Diffraction; ChainB	AILVDLEPGTMDSVR ox ALTVP ELTQQMFD AK ALTVP ELTQQMFD AK ox FPGQLNADLR FPGQLNADLRK FWEVISDEHGIDPTGSYHGSDSLQLER GHYTEGAELVDSVLDVVR GHYTEGAELVDSVLDVVRK HGRYLTVAAVFR INVYYNEAAGNK INVYYNEAAGNKYVPR IREEYPDR ISEQFTAMFR ISEQFTAMFR ox ISEQFTAMFRR ISEQFTAMFRR ox KLAVNMVFPFR KLAVNMVFPFR ox LAVNMVFPFR LAVNMVFPFR ox LHFFMPGFAPLTSR

		LHFFMPGFAPLTSR ox LTTPTYGDLNHLVSATMSGVTTCLR ox MREIVHIQAGQCGNQIGAK MREIVHIQAGQCGNQIGAK ox MSATFIGNSTAIQELFK ox MSATFIGNSTAIQELFKR MSATFIGNSTAIQELFKR ox NSSYFVEWIPNNVK SGPFGQIFRPDNFVFGQSGAGNNWAK TAVCDIPPR YLTVAAVFR
gi 5174735	Tubulin beta chain(Tbeta-15)	ALTVPELTQQMFDAK ALTVPELTQQMFDAK ox AVLVDLEPGTMDSVR AVLVDLEPGTMDSVR ox EIVHIQAGQCGNQIGAK EVDEQMLNVQNK ox FPGQLNADLR FPGQLNADLRK GHYTEGAELVDSVLDVVR GHYTEGAELVDSVLDVVRK IMNTFSVVPSPK ox INVYYNEATGGK IREEYPDR ISEQFTAMFR ISEQFTAMFR ox ISEQFTAMFRR ox KLAVNMVFPFR KLAVNMVFPFR ox LAVNMVFPFR LAVNMVFPFR ox LHFFMPGFAPLTSR LHFFMPGFAPLTSR ox MREIVHLQAGQCGNQIGAK MREIVHLQAGQCGNQIGAK ox MSATFIGNSTAIQELFK ox MSATFIGNSTAIQELFKR MSATFIGNSTAIQELFKR ox NMMAACDPR ox NMMAACDPR ox ox NSSYFVEWIPNNVK TAVCDIPPR YLTVAAVFR
gi 21361322	Tubulin, beta 5 (TUBB5 protein)	AVLVDLEPGTMDSVR ox FPGQLNADLRK ISEQFTAMFR ox LAVNMVFPFR ox LHFFMPGFAPLTSR ox MAATFIGNSTAIQELFK TAVCDIPPR YLTVAAVFR
gi 6562847	Type A/B hnRNP p38	EVYQQQYQYGGGR EVYQQQYQYGGGRGNR FGEVVDCTIKMDPNTGR ox FHTVSGSKCEIK GFGFILFKDSSSVEK IFVGGNPEATEEKIR RGGHQNNYKPY SRGFGFILFK VAQPKEVYQQQYQYGGGR VLDQKEHR
gi 34866355	Ubiquinol-cytochrome c reductase core protein I	APRMVLAAGGVK ox EHTAYLIK EVESIGAHLNAYSTR IEEVDAQMVR LCTSATESEVTR LSRTDLTDYLSR NALISHLDTTPVCEDIGR NNGAGYFLEHLAFK NNGAGYFLEHLAFKGTK NRPGNALKEVESIGAHLNAYSTR SGMFWLR SGMFWLR ox SLLTYGRR TDLTDYLSR VASEQSSHPTCTVGVWIDVGSR VVELLADIVQNISLEDSQIEKER YETEKNNAGYFLEHLAFK YFYDQCPVAGYGPQLSDYNR
gi 136708	Ubiquinol-cytochrome c reductase iron-sulfur subunit, mitochondrial [Precursor]	DPQHDLER EIDQEAAVEVSQRLR EIDQEAAVEVSQRLRDPQHDLER GKPLFVRHR KGFSYLVATTTVGVAAYAK NAVVSQFVSSMSASADVLAMSK ox ox NMAFKWR NMAFKWR ox RAEVLDSK

		SSKESSEAR VPDFSDYR VPDFSDYRR WRGKPLFVR
gi 13786146	UDP-glucose 6-dehydrogenase	AADLKYIEACAR AVQALCAVYEHVVPKEK DTGDTRESSSIYISK EQIVVDLSHPGVSADDQVSR FSLQDPPNKKPK IAILGFAFKK IGNKFLK ILTTNTWSELSK ISSINSISALCESTGADVVEEVATAIGMDQR IVQNSNGYKIVTEK LAANAFLAQR MCPEIRVTVVDVNEAR MLKPAFIFDGR ox MLKPAFIFDGRR MLKPAFIFDGR ox NPDRVLIGGDETPEGQR RIPYTPGEIPK RIVQNSNGYK VLDGLHNELQTIQFIETIGKK VLIGGDETPEGQR VPREQIVVDLSHPGVSADDQVSR VTVVDVNEAR YIEACAR YLMDEGAHLHIYDPK ox YWQQVIDMNDYQR
gi 21314832	UDP-glucose pyrophosphorylase 2	AHVDEFKSVSK AMSQDQASQFQEVILQELELSVKK ox CEFVMEVTNKTR ox EFPTVPLVK FKIFNTNWLWISLGAVK FLQEKGPSVDWVK GGTLTQYEGKLR GLPDNISSVLNKLVVVK GTVIIIANHGDRIDIPPGAVLENK ILQKYNHCR INKESLLPIAK IQRPPEDSIQPYEK IQRPPEDSIQPYEKIK IYTFNQSR IYTFNQSR YPR LGSSFTKVQDYLR LQEQNAIDMEIIVNPK ox LRLVEIAQVPK NENTFLDLTVQQIEHLNK RCEFVMEVTNK ox REFPTVPLVK RLQEQNAIDMEIIVNPK RLQEQNAIDMEIIVNPK ox SFENSLGINVPR SLIGVRNENTFLDLTVQQIEHLNK TLDGGLNVIQLETAVGAAIK TTSDLLVMSNLYSLNAGSLTMSEK ox ox TYNTDVPLVLMNSFNTDEDTKK ox VKIYTFNQSR VQDYLR
gi 13384768	Ufm1-conjugating enzyme 1	DRELWVQR EEYQSLIRYVENNK GGKICLTDHFKPLWAR ICLTDHFKPLWAR LKEEYQSLIR RVVSEIPVLK VVSEIPVLK
gi 20071838	Ugp2 protein	ARGLPDNISSVLNK CEFVMEVTNK ox FLQEKGPSVDWVK GGTLTQYEGK GGTLTQYEGKLR GLPDNISSVLNKLVVVK GTVIIIANHGDRIDIPPGAVLENK ILQKYNHCR INKESLLPIAK IQRPPEDSIQPYEK IYTFNQSR IYTFNQSR YPR LGSSFTKVQDYLR LQEQNAIDMEIIVNPK ox LRLVEIAQVPK LVEIAQVPK NENTFLDLTVQQIEHLNK RCEFVMEVTNK ox REFPTVPLVK RFESIPDMLELDHLTVSGDVTFGK ox RLQEQNAIDMEIIVNPK RLQEQNAIDMEIIVNPK ox SFENSLGINVPR

		SLIGVRNENTFLDLTVQQIEHLNK TLDGGLNVIQLETAVGAAIK TYNTDVPLVLMNSFNTDEDTKK ox VKIYTFNQSR VQDYLR
gi27715743	UMP-CMP kinase	ADVSFVLFDCNNEICIDR EMDQTMAANAQK ox ox FLIDGFPR IQTYLESTKPIIDL YEEMGK ox IQTYLESTKPIIDL YEEMGKVK IQTYLESTKPIIDL YEEMGKVK ox IVEKYGYTHLSAGELLR IVPVEITISLLK IVPVEITISLLK KNPDSQYGELIEK MKPLVVFVLGGPGAGK MKPLVVFVLGGPGAGK ox MKPLVVFVLGGPGAGKGTQCAR MKPLVVFVLGGPGAGKGTQCAR ox NKFLIDGFPR NQDNLQGWNK NQDNLQGWNK TMDGK ox RIQTYLESTKPIIDL YEEMGK ox SDDNRESLEK SVDEVFGDVMK SVDEVFGDVMK ox YGYTHLSAGELLR YGYTHLSAGELLRDER
gi26326711	Unnamed protein product (Neutral alpha-glucosidase AB [Precursor] )	AHAHLDTGRR DAVHYGGWEHR DIHNIYGLYVHMATADGLIQR ox FGAVVTGDNTAEWDHLK HHGPOTLYLPVTLSSIPVFQR ILTAQPFRLDLEDR IRIDELEPR LKVTEGGEPYR LVAIVDPHIK LVAIVDPHIKVDSGYR MLDYLQSGETPQTDIR MLDYLQSGETPQTDIR ox NPEPELLVR SGGIERPFVLSR SIRPGLSPYR VDSGYRVHEELR VHEELRNHGLYVK VLLVLELQGLQK VTEGGEPYR VVIMGAGKPAAVVLQTK VVIMGAGKPAAVVLQTK ox WYQMGAYQPPFR ox
gi57233	Unnamed protein product	ALYQAEAFVADFK AVLDVDETGTEGAAATAVTAALK DTLPHEDQKGR FSISTDYNLEEVLPGLGIR FSISTDYNLEEVLPGLGIR IAELFSELDER IFSQQADLSR IISELRMPK IISELRMPK ox KIFSQQADLSR LSQPEDQAEINTGSALFIDKEQPILSEFQEK MQQVESSLQPETLKK NLHVSQVVHK WKDSLPR
gi26341396	Unnamed protein product (Albumin 1)	AETFTFHSDICTLPEKEK AFKAWAVAR APQVSTPTLVEAAR CCSGSLVER CCTLPEQRLPCVEDYLSAILNR CSYDEHAK CSYDEHAKLVQEVTDFAK DVFLGTFLYEYSR ENPTTFMGHYLHEVAR ENPTTFMGHYLHEVAR ox GLVLIASFQYLQK HKPKATAEQLK HPDYSVSLLLR KYEATLEK LPCVEDYLSAILNR LQTCCKPLLK LQTCCKPLKK LSQTFPNADFAEITK LVQEVTDFAK QEPERNECFQHK QALAEALVK RHPDYSVSLLLR RPCFSALTVEDETYVPK RPCFSALTVEDETYVPKEFK SLHTLFGDK

gi 1334284	Unnamed protein product (Heat shock 60)	<p>SLHTLFGDKLCAIPNLR            TNCDLYEKLGEYGFQNAILVR            TVMDDFAQLDTCCK ox            VCLLHEKTPVSEHVTK            YMCENQATISSK ox            YTQKAPQVSTPTLVEAAR</p> <p>AAVEEGIVLGGCALLR            ALKIPAMTIK            ALKIPAMTIK ox            ALMLQGVLDLADAVAVTMGPK            ALMLQGVLDLADAVAVTMGPK ox            ALMLQGVLDLADAVAVTMGPK ox ox            APGFGDNRK            CEFQDAYVLLSEK            CEFQDAYVLLSEK            CIPALDSLKPNEDQK            DMAIATGGAVFGEEGLNLENDVQAHDLGK            FDRGYISPYFINTSK            GANPVEIRR            GIIDPTKVVR            GQKCEFQDAYVLLSEK            GRTVIIEQSWGSPK            GVMLAVDAVIAELK ox            GVMLAVDAVIAELKK            GVMLAVDAVIAELKK ox            GYISPYFINTSK            IGIEIKR            ILQSSSEVGYDAMLGDFVNMVEK ox            IQEITQLDITTSEYEKEK            ISKGANPVEIR            ISSVQIVPALEIANHR            KISSVQIVPALEIANHR            KPLVIIAEDVDGEALSTLVLR            LVQDVANNTNEEAGDGTATVLR            NAGVEGSLIVEK            SIAKEGFEK            TALLDAAGVASLLTAEAVVTEIPK            TLNDELEIIEGMKFDR            TLNDELEIIEGMKFDR ox            TVIIEQSWGSPK            VGEVIVTKDDAMLLK            VGEVIVTKDDAMLLK ox            VGLQVVAVKAPGFGDNR            VTDALNATR            VTKDGVTVAK</p>
gi 12847638	Unnamed protein product (Phosphoglucomutase)	<p>ADNFEYSDPVDGSISK            ADNFEYSDPVDGSISKNOGLR            DLEALMLDR            DLEALMLDR ox            FFGNLM DASK            FFGNLM DASK ox            FNISNGGPAPEAITDK            FYMTEAIQLIVR            FYMTEAIQLIVR ox            IALYETPTGWK            IDAMHG VVG P Y V K ox            IDAMHG VVG P Y V K K            INQDPQVMLAPLISIALK ox            IRIDAMHG VVG P Y V K ox            LSGTGSAGATIR            LSLCGEESFGTGS D H I R            LVIGQNGILSTPAVSCIIR            LYIDSYEK            NFFTRYDYEEVEAEGANK            NIFDFNALK            NIFDFNALKELLSGPNR            QFSANDKVYTV EK            QQFDLENK            QSVEDILKDHWQK            SGEHDFGA AFDGDGDRNMILGK ox            SMPTSGALDR            SMPTSGALDRVANATK            TIEEY AICPDLK            TQAYPDQKPGTSGLRK            YDYEEVEAEGANK</p>
gi 137108	Uricase	<p>AHVYVEEVPWK            AHVYVEEVPWKR            DQFTTLPEVKDR            DRCFATQVYCK            DVDFEATWGAVR            DVDFEATWGAVR DIVLK            DYLHGDNSDIIPDTIK            DYLHGDNSDIIPDTIKNTVHVLAK            EVATSVQLTLR            FAGPYDRGEYSPSVQK            GEYSPSVQK            HVHAFIHTPTGTHFC DVEQVR            KDYLHGDNSDIIPDTIK            KFAGPYDR            MGLINKEEVLLPLDNPY GK</p>

		MGLINKEEVLLPLDNPYGK ox NDEVEFVR NGPPIHSGIK NGPPIHSGIKDLK NGVKHVHAFIHTPTGTHFCDVEQVR SIETFAMNICEHFLSSFVTR ox TGYGKDMVK ox TTQSGFEGFIK TTQSGFEGFIKQFTTLPEVK VLKTTQSGFEGFIK YHSIKEVATSVQLTLR YQNRDVFDEATWGAVR
gi 401365	Vimentin	DGQVINETSQHHDDLE DVRQQYESVAAK ETNLESLPLVDTHSK ETNLESLPLVDTHSKR EYQDLLNVK FADLSEAAANR FADLSEAAANRNDALR FANYIDKVR HLREYQDLLNVK LLAELEQLKGQK ISLPLPNFSSLNLR KLEGEESR LGDLYEEEMR LGDLYEEEMR ox LGDLYEEEMRELR ox LLQDSVDFSLADAINTEFK LLQDSVDFSLADAINTEFKNTR LQDEIQNMKEEMAR ox ox LRSSMPGVR LRSSMPGVR ox MALDIEIATYR MALDIEIATYR ox MALDIEIATYRK MALDIEIATYRK ox MFGGSGTSSRPSSNR ox MSTRSVSSSYR ox NLQEAEEWYKSK QDVDNASLAR QESNEYRR QQYESVAAK QVQSLTCEVDALKGTNESLER RMFGGSGTSSRPSSNR ox SLYSSSPGGAYVTR SVSSSYRR TNEKVELQELNDR TYSLSALRPSTSR VESLQEEIAFLKK VEVERDNLAEDIMR
gi 31543942	Vinculin	AANFENHSGR AAVHLEGGKIEQAQR AIPDLTAPVAAVQAAVSNLVR ALASQLQDSLKDLK ALIQCAKDIK DTEAMKR EAFQPQEPDPPPPDLEQLR ELTPQVISAAR EVENSEDPKFR GILSGTSDLLTFDEAEVR GILSGTSDLLTFDEAEVRK ILSTVKATMLGR ox IRTDAGFTLR IRTNLLQVCER LANVMMGPYRQDLLAK ox ox LLAVAATAPPDAPNR LLAVAATAPPDAPNREEVFDER MIDERQQLTHQEHR ox MLGQMTDQVADLR ox MSAEINEIR ox NQGIEEALKNR SFLDSGYR SLGEIAALTSK SLLDASEAIK TNLLQVCERIPITISTQLK VAMANIQQMLVAGATSIAR ox ox WIDNPTVDDRGVQAAIR
gi 203941	Vitamin D-binding protein [Precursor]	CCSINSPPR DLCGQSATQAMDQYTFELSR ox ECCDTQDSVSCFSTQSPMKR ox ELPEHTLK KFPSSTFEQVSQLVK LQMKQLSLLTMSNR MPNASPEELADMVAK ox ox QLSLLTMSNR QLSLLTMSNR ox RTQVPEVFLSK SCESDAPFPVHPGTSECCTK SLSLILYSR TKMPNASPEELADMVAK

		TKMPNASPEELADMVAK ox TKMPNASPEELADMVAK ox ox TQVPEVFLSK VCQELSTLGKDDFR VCSQYAAYGK VCSQYAAYGKEK VLDTTLKTLR VLVLLALAFGHALERGR VPTANLEDVPLAEDLTEILSR YCSSQIDAEMR YCSSQIDAEMR ox YCSSQIDAEMRDILQS YCSSQIDAEMRDILQS ox
gi 46397782	Voltage-dependent anion-selective channel protein 1	EHINLGCDVDFDIAGPSIR GALVLGYEGWLAGYQMNFETSK ox GLKLTFDSSFSPTGK GYGFGLIKLDLK KLETAVNLAWTAGNSNTR LETAVNLAWTAGNSNTR LTFDSSFSPTGKK LTLALLDGNVNVNAGGHK SENGLEFTSSGSANTETTK SENGLEFTSSGSANTETTKVNGSLETK SRVTQSNFAVGK TDEFQLHTNVNDGTEFGGSIYQK TKSENGLEFTSSGSANTETTK VNSSLIGLYTQTLKPGIK WNTDNTLGTETVEDQLAR WTEYGLTFTEK YQVDPDACFSAK
gi 46397780	Voltage-dependent anion-selective channel protein 2	DIFNKGFGFGLVK GFGFGLVKLDVK LTFDITFSPTGK LTFDITFSPTGKK LTLALVDGK LTLALVDGKSFNAGGHK SCSGVEFSTSGSNTDTGK SCSGVEFSTSGSNTDTGKVSGLTETK SFNAGGHKLGLELEA TGDFQLHTNVNNGTEFGGSIYQK VCEFDTSVNLAWTSGTNCTR VNSSLIGVGYTQTLRPGVK WCEYGLTFTEK YKWCEYGLTFTEK YQLDPTASISAK
gi 802111	Zero beta-globin [Fragment]	EFTPSAQAQAFQK FGDLSSVSAIMGNPQVK ox GTFASLSELHCDKLVDPENFR LHVDPENFR VHLTDAEKATVNLWGK VINAFDDGLKHLNLIK VNPVEIGAESLASLLIVYPWTQR VVAGVASALAHKYH