

NYS-HLM-2006-BMCC

(data of 102305,111205,120805,122005 and 122205)

Viewing: Proteins with 5+ sequence positions overlapped in at least

protein	accession num
10-formyltetrahydrofolate dehydrogenase [Homo sapiens]	UniRef100_O75891
17-beta hydroxysteroid dehydrogenase [Homo sapiens]	UniRef100_Q86W23
17-beta hydroxysteroid dehydrogenase [Homo sapiens]	UniRef100_Q86W23
17-beta hydroxysteroid dehydrogenase isoform 1 [Homo sapiens]	UniRef100_Q86W22
21 kDa protein [Homo sapiens]	UniRef100_UPI000013DD0C
24 kDa protein [Homo sapiens]	UniRef100_UPI000013E8C2
24-dehydrocholesterol reductase precursor [Homo sapiens]	UniRef100_Q15392
3-ketoacyl-CoA thiolase, mitochondrial [Homo sapiens]	UniRef100_P42765
60S acidic ribosomal protein P0 [Homo sapiens]	UniRef100_P05388
60S ribosomal protein L7 [Homo sapiens]	UniRef100_P18124
7-dehydrocholesterol reductase [Homo sapiens]	UniRef100_Q9UBM7
Acyl-coenzyme A oxidase 2, peroxisomal [Homo sapiens]	UniRef100_Q99424
Adenylate kinase 2 [Homo sapiens]	UniRef100_Q5TIF7
ADP,ATP carrier protein, liver isoform T2 variant [Homo sapiens]	UniRef100_Q59EI9
Alcohol dehydrogenase 6 [Homo sapiens]	UniRef100_P28332
Alcohol dehydrogenase IB (Class I), beta polypeptide [Homo sapiens]	UniRef100_Q4ZGI9
Alcohol dehydrogenase IB (Class I), beta polypeptide [Homo sapiens]	UniRef100_Q4ZGI9
Alcohol dehydrogenase IB (Class I), beta polypeptide [Homo sapiens]	UniRef100_Q4ZGI9
Alcohol sulfotransferase [Homo sapiens]	UniRef100_Q06520
Alkyldihydroxyacetonephosphate synthase, peroxisomal precursor [Homo sapiens]	UniRef100_O00116
Alpha enolase, lung specific [Homo sapiens]	UniRef100_Q05524
Alpha-actinin 4 [Homo sapiens]	UniRef100_O43707
Alpha-tocopherol transfer protein [Homo sapiens]	UniRef100_P49638
Annexin A6 [Homo sapiens]	UniRef100_P08133
ATP synthase alpha chain, mitochondrial precursor [Homo sapiens]	UniRef100_P25705
ATP synthase gamma chain, mitochondrial precursor [Homo sapiens]	UniRef100_P36542
ATP synthase oligomycin sensitivity conferral protein, mitochondrial [Homo sapiens]	UniRef100_P48047
Beta enolase [Homo sapiens]	UniRef100_P13929
C-1-tetrahydrofolate synthase, cytoplasmic (C1-THF synthase) [Homo sapiens]	UniRef100_P11586
Calpain-2 catalytic subunit [Homo sapiens]	UniRef100_P17655
Calreticulin precursor [Homo sapiens]	UniRef100_P27797
Calreticulin precursor [Homo sapiens]	UniRef100_P27797
Carbamoyl-phosphate synthase [ammonia], mitochondrial precursor [Homo sapiens]	UniRef100_P31327
Carbamoyl-phosphate synthase [ammonia], mitochondrial precursor [Homo sapiens]	UniRef100_P31327
Carbamoyl-phosphate synthase [ammonia], mitochondrial precursor [Homo sapiens]	UniRef100_P31327
Carbonyl reductase [NADPH] 1 (EC 1.1.1.184) (NADPH-dependent) [Homo sapiens]	UniRef100_P16152
Catechol O-methyltransferase [Homo sapiens]	UniRef100_P21964
Cathepsin B precursor [Homo sapiens]	UniRef100_P07858
CC3 [Homo sapiens]	UniRef100_O15383
Cell division control protein 42 homolog [Homo sapiens]	UniRef100_P60953
Cell division control protein 42 homolog [Homo sapiens]	UniRef100_P60953
Cell division cycle 42 [Homo sapiens]	UniRef100_Q90694
CYP2C9 protein [Homo sapiens]	UniRef100_Q6IRV8
Cytochrome c1, heme protein, mitochondrial precursor [Homo sapiens]	UniRef100_P08574
Cytochrome c-type heme lyase [Homo sapiens]	UniRef100_P53701

Cytochrome P450 2A6 (EC 1.14.14.1) (CYP1A6) (Coumarin 7-hy	UniRef100_P11509
Cytochrome P450 2C8 [Homo sapiens]	UniRef100_P10632
Cytochrome P450 2C9 (EC 1.14.13.80) ((R)-limonene 6-monooxy	UniRef100_P11712
Cytochrome P450 2E1 [Homo sapiens]	UniRef100_P05181
Cytochrome P450 2E1 [Homo sapiens]	UniRef100_P05181
Cytochrome P450 2E1 [Homo sapiens]	UniRef100_P05181
Cytochrome P450-1A2 [Homo sapiens]	UniRef100_Q9UK49
Cytochrome P450-1A2 [Homo sapiens]	UniRef100_Q9UK49
Cytochrome P450-1A2 [Homo sapiens]	UniRef100_Q9UK49
D-beta-hydroxybutyrate dehydrogenase, mitochondrial precurs	UniRef100_Q02338
D-beta-hydroxybutyrate dehydrogenase, mitochondrial precurs	UniRef100_Q02338
D-beta-hydroxybutyrate dehydrogenase, mitochondrial precurs	UniRef100_Q02338
D-beta-hydroxybutyrate dehydrogenase, mitochondrial precurs	UniRef100_Q02338
D-beta-hydroxybutyrate dehydrogenase, mitochondrial precurs	UniRef100_Q02338
Dehydrogenase/reductase SDR family member 1 [Homo sapiens]	UniRef100_Q96LJ7
Dehydrogenase/reductase SDR family member 1 [Homo sapiens]	UniRef100_Q96LJ7
Dehydrogenase/reductase SDR family member 1 [Homo sapiens]	UniRef100_Q96LJ7
Delta(14)-sterol reductase [Homo sapiens]	UniRef100_O76062
DILV594 [Homo sapiens]	UniRef100_Q6UX53
Dimethylaniline monooxygenase [N-oxide-forming] 3 [Homo sap	UniRef100_P31513
Dolichyl-diphosphooligosaccharide--protein glycosyltransfer	UniRef100_P04843
Dolichyl-diphosphooligosaccharide--protein glycosyltransfer	UniRef100_P04843
Electron transfer flavoprotein beta-subunit [Homo sapiens]	UniRef100_P38117
Electron transfer flavoprotein-ubiquinone oxidoreductase, m	UniRef100_Q16134
Electron transfer flavoprotein-ubiquinone oxidoreductase, m	UniRef100_Q16134
Endoplasmic reticulum protein ERp29 precursor [Homo sapiens]	UniRef100_P30040
Endoplasmic precursor [Homo sapiens]	UniRef100_P14625
Enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydr	UniRef100_Q58EZ5
Epoxide hydrolase 1 [Homo sapiens]	UniRef100_P07099
Esterase D [Homo sapiens]	UniRef100_P10768
F-actin capping protein beta subunit [Homo sapiens]	UniRef100_P47756
Fatty aldehyde dehydrogenase [Homo sapiens]	UniRef100_P51648
Fibrinogen gamma chain precursor [Homo sapiens]	UniRef100_P02679
Flavin containing monooxygenase 3 isoform 2 variant [Homo s	UniRef100_Q53FW5
Flavin containing monooxygenase 3 isoform 2 variant [Homo s	UniRef100_Q53FW5
Flavin containing monooxygenase 3 isoform 2 variant [Homo s	UniRef100_Q53FW5
Flavin containing monooxygenase 3 isoform 2 variant [Homo s	UniRef100_Q53FW5
Flavin containing monooxygenase 5 variant [Homo sapiens]	UniRef100_Q53H53
Flavin containing monooxygenase 5 variant [Homo sapiens]	UniRef100_Q53H53
FTCD protein [Homo sapiens]	UniRef100_Q86V03
Galphai2 protein [Homo sapiens]	UniRef100_Q6B6N3
Galphai2 protein [Homo sapiens]	UniRef100_Q6B6N3
Galphai2 protein [Homo sapiens]	UniRef100_Q6B6N3
Gamma-glutamyltransferase 5 precursor (EC 2.3.2.2) (Gamma-	UniRef100_P36269
Glutamic-oxaloacetic transaminase 1, soluble [Homo sapiens]	UniRef100_Q5VW80
Glutaminyl-tRNA synthetase [Homo sapiens]	UniRef100_P47897
Glyceraldehyde-3-phosphate dehydrogenase, liver [Homo sapie	UniRef100_UPI000051AD9D
Glyceraldehyde-3-phosphate dehydrogenase, muscle [Homo sapi	UniRef100_P00354
Glycogen [starch] synthase, liver [Homo sapiens]	UniRef100_P54840
Glycogen [starch] synthase, liver [Homo sapiens]	UniRef100_P54840
Glycogen [starch] synthase, liver [Homo sapiens]	UniRef100_P54840
Glycogen debranching enzyme (Glycogen debrancher) [Includes	UniRef100_P35573

Glycogen debranching enzyme (Glycogen debrancher) [Includes	UniRef100_P35573
Glycogen debranching enzyme (Glycogen debrancher) [Includes	UniRef100_P35573
Guanine nucleotide binding protein (G protein), alpha inhib	UniRef100_Q5TZX1
Haptoglobin precursor [Homo sapiens]	UniRef100_P00738
Haptoglobin precursor [Homo sapiens]	UniRef100_P00738
Haptoglobin-related protein precursor [Homo sapiens]	UniRef100_P00739
Histamine N-methyltransferase [Homo sapiens]	UniRef100_P50135
Histamine N-methyltransferase [Homo sapiens]	UniRef100_P50135
HLBP14=14-kDa laminin binding protein [Homo sapiens]	UniRef100_Q9UDK5
Hydroxyacid oxidase 1 [Homo sapiens]	UniRef100_Q9UJM8
Hydroxymethylglutaryl-CoA lyase, mitochondrial precursor [H	UniRef100_P35914
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7
Hypothetical protein DKFZp666L095 [Homo sapiens]	UniRef100_Q658M8
Hypothetical protein DKFZp686I18125 [Homo sapiens]	UniRef100_Q6MZI3
Hypothetical protein FLJ23841 [Homo sapiens]	UniRef100_Q8TE79
Hypothetical protein Hypothetical protein DKFZp686G04235 va	UniRef100_Q59ED7
Hypothetical protein PRO1855 [Homo sapiens]	UniRef100_Q96AG4
Hypothetical protein PSEC0029 [Homo sapiens]	UniRef100_Q8NBQ5
IlvB (Bacterial acetolactate synthase)-like isoform 1 varia	UniRef100_Q59GP4
Lanosterol synthase [Homo sapiens]	UniRef100_P48449
Liver carboxylesterase 1 precursor [Homo sapiens]	UniRef100_P23141
Liver carboxylesterase 1 precursor [Homo sapiens]	UniRef100_P23141
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121
Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5
Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5
Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5
Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5
Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5
MAWD binding protein [Homo sapiens]	UniRef100_P30039
Membrane associated progesterone receptor component 2 [Homo	UniRef100_O15173
MGLL protein [Homo sapiens]	UniRef100_Q6IBG9
Microsomal glutathione S-transferase 1 [Homo sapiens]	UniRef100_P10620
Microsomal triglyceride transfer protein large subunit prec	UniRef100_P55157
Mitochondrial carnitine/acylcarnitine carrier protein [Homo	UniRef100_Q43772
Mitochondrial carnitine/acylcarnitine carrier protein [Homo	UniRef100_Q43772
Mitochondrial carnitine/acylcarnitine carrier protein [Homo	UniRef100_Q43772
Mitochondrial dicarboxylate carrier [Homo sapiens]	UniRef100_Q9UBX3
Mitochondrial glutamate carrier 1 (Glutamate/H(+)) symporter	UniRef100_Q9H936
NAD(P) transhydrogenase, mitochondrial precursor [Homo sapi	UniRef100_Q13423
NAD(P) transhydrogenase, mitochondrial precursor [Homo sapi	UniRef100_Q13423
NADH-ubiquinone oxidoreductase 42 kDa subunit, mitochondria	UniRef100_O95299
NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondria	UniRef100_P28331
Novel protein [Homo sapiens]	UniRef100_Q5VT66
OTTHUMP00000028829 [Homo sapiens]	UniRef100_Q5R3F8

Oxidative 3 alpha hydroxysteroid dehydrogenase [Homo sapien	UniRef100_O43275
Oxidoreductase [Homo sapiens]	UniRef100_O14756
Peroxiredoxin 4 [Homo sapiens]	UniRef100_Q13162
Peroxiredoxin 4 [Homo sapiens]	UniRef100_Q13162
Peroxisomal multifunctional enzyme type 2 (MFE-2) (D-bifunc	UniRef100_P51659
Peroxisomal sarcosine oxidase [Homo sapiens]	UniRef100_Q9P0Z9
Phosphatidylethanolamine-binding protein (PEBP) (Prostatic	UniRef100_P30086
Phosphoenolpyruvate carboxykinase, mitochondrial precursor	UniRef100_Q16822
Phosphoenolpyruvate carboxykinase, mitochondrial precursor	UniRef100_Q16822
Phosphoenolpyruvate carboxykinase, mitochondrial precursor	UniRef100_Q16822
PPIB protein [Homo sapiens]	UniRef100_Q6IBH5
PRO0066 [Homo sapiens]	UniRef100_Q9UHZ7
PRO0066 [Homo sapiens]	UniRef100_Q9UHZ7
Profilin 1 [Homo sapiens]	UniRef100_Q53Y44
Protein disulfide-isomerase A3 precursor [Homo sapiens]	UniRef100_P30101
Protein transport protein Sec23A [Homo sapiens]	UniRef100_Q15436
RAP1B, member of RAS oncogene family [Homo sapiens]	UniRef100_Q6DCA1
Ras-related protein Rab-2A [Homo sapiens]	UniRef100_P61019
S-adenosylmethionine synthetase alpha and beta forms [Homo	UniRef100_Q00266
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (EC 3.6	UniRef100_P16615
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (EC 3.6	UniRef100_P16615
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (EC 3.6	UniRef100_P16615
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (EC 3.6	UniRef100_P16615
Serine--pyruvate aminotransferase [Homo sapiens]	UniRef100_P21549
Serum albumin precursor [Homo sapiens]	UniRef100_P02768
Serum albumin precursor [Homo sapiens]	UniRef100_P02768
Signal recognition particle receptor beta subunit [Homo sap	UniRef100_Q9Y5M8
Signal recognition particle receptor beta subunit [Homo sap	UniRef100_Q9Y5M8
Similar to catalase [Homo sapiens]	UniRef100_Q8TAK2
SLC25A5 protein [Homo sapiens]	UniRef100_Q6NVC0
Solute carrier family 27 (Fatty acid transporter), member 5	UniRef100_Q59H28
Solute carrier organic anion transporter family, member 1B1	UniRef100_Q9Y6L6
SPFH domain protein 2 precursor [Homo sapiens]	UniRef100_O94905
Splice isoform 2 of O75947 [Homo sapiens]	UniRef100_O75947-2
Splice isoform 2 of Q00610 [Homo sapiens]	UniRef100_Q00610-2
Splice isoform 2 of Q00610 [Homo sapiens]	UniRef100_Q00610-2
Splice isoform 2 of Q00610 [Homo sapiens]	UniRef100_Q00610-2
Splice isoform 2 of Q9H8Y8 [Homo sapiens]	UniRef100_Q9H8Y8-2
Steroid dehydrogenase homolog [Homo sapiens]	UniRef100_Q53GQ0
Steroid dehydrogenase homolog [Homo sapiens]	UniRef100_Q53GQ0
Sterol/retinol dehydrogenase [Homo sapiens]	UniRef100_O75452
Sterol/retinol dehydrogenase [Homo sapiens]	UniRef100_O75452
Sterol/retinol dehydrogenase [Homo sapiens]	UniRef100_O75452
Sterol/retinol dehydrogenase [Homo sapiens]	UniRef100_O75452
Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	UniRef100_Q15738
Stress-70 protein, mitochondrial precursor [Homo sapiens]	UniRef100_P38646
Succinate dehydrogenase [ubiquinone] flavoprotein subunit,	UniRef100_P31040
Succinate dehydrogenase [ubiquinone] flavoprotein subunit,	UniRef100_P31040
Succinate dehydrogenase [ubiquinone] flavoprotein subunit,	UniRef100_P31040
Succinate dehydrogenase [ubiquinone] flavoprotein subunit,	UniRef100_P31040
Succinate dehydrogenase [ubiquinone] iron-sulfur protein, m	UniRef100_P21912
Succinate dehydrogenase [ubiquinone] iron-sulfur protein, m	UniRef100_P21912

Succinate dehydrogenase cytochrome b560 subunit, mitochondr	UniRef100_Q99643
Thioredoxin-dependent peroxide reductase, mitochondrial pre	UniRef100_P30048
Transmembrane protein induced by tumor necrosis factor alph	UniRef100_Q9BXJ8
Tricarboxylate transport protein, mitochondrial precursor [	UniRef100_P53007
Trifunctional enzyme alpha subunit, mitochondrial precursor	UniRef100_P40939
Trifunctional enzyme alpha subunit, mitochondrial precursor	UniRef100_P40939
Trifunctional enzyme alpha subunit, mitochondrial precursor	UniRef100_P40939
Trifunctional enzyme alpha subunit, mitochondrial precursor	UniRef100_P40939
TST protein [Homo sapiens]	UniRef100_Q6IB06
Tubulin alpha-1 chain [Homo sapiens]	UniRef100_P68366
U1 Small Nuclear Ribonucleoprotein C [Homo sapiens]	UniRef100_UPI00005083FE
UDP-glucuronosyltransferase 1-4 precursor, microsomal [Homo	UniRef100_P22310
UDP-glucuronosyltransferase 2B15 precursor [Homo sapiens]	UniRef100_P54855
Very long-chain acyl-CoA synthetase homolog 2 [Homo sapiens	UniRef100_Q9Y2P5
Very long-chain acyl-CoA synthetase homolog 2 [Homo sapiens	UniRef100_Q9Y2P5
Very long-chain acyl-CoA synthetase homolog 2 [Homo sapiens	UniRef100_Q9Y2P5
Very long-chain acyl-CoA synthetase homolog 2 [Homo sapiens	UniRef100_Q9Y2P5
Very-long-chain acyl-CoA synthetase [Homo sapiens]	UniRef100_O14975
Vesicular integral-membrane protein VIP36 precursor [Homo s	UniRef100_Q12907
Voltage-dependent anion channel 1 [Homo sapiens]	UniRef100_Q5FVE7
YWHAG protein [Homo sapiens]	UniRef100_Q6FH52
Zinc finger X-linked protein ZXDA [Homo sapiens]	UniRef100_P98168

Nurr

st 3 groups by Group

description	peptide	sequence pos	same?
oxi-bmcc-122205	R.GNDKVPGAWTEAC~EQK.L	226-241	
oxi-bmcc-122205	R.GVEETAEC~R.K	72-81	
oxi-bmcc-122205	R.KLGVTAHAYVVDK~SNREEIYR.S	82-102	
oxi-bmcc-122205	K.TSC~LC*PVFVNTGFTK.N	177-191	
oxi-bmcc-122205	K.YVEC~SALTKK.G	154-163	
oxi-bmcc-122205	K.VLC~LAVAVGHVK.M	158-169	
oxi-bmcc-122205	R.SVHGFQMLYADC~YMNR.E	463-478	
oxi-bmcc-122205	R.EEC~DKYALQSQQR.W	177-189	
oxi-bmcc-122205	K.C~FIVGADNVGSK.Q	27-38	
oxi-bmcc-122205	K.YGIIC~MEDLIHEIYTVGK.R	182-199	
oxi-bmcc-122205	K.VIEC~SYTSADGQR.H	377-389	
oxi-bmcc-122205	R.KVESIIHSYPEFSC~K.D	52-66	
oxi-bmcc-122205	R.LAENFC~VC*HLATGDMLR.A	35-51	
oxi-bmcc-122205	R.KGADIMYTGTVDC~WR.K	270-284	
oxi-bmcc-122205	K.AQELGATEC~LNPQDLK.K	233-248	
oxi-bmcc-102305	K.ELGATEC^INPQDYK.K	235-248	
oxi-bmcc-120805	K.MVAVGIC~R.T	41-48	
oxi-bmcc-122205	K.NPESNYC~LK.N	106-114	
oxi-bmcc-122205	K.SGTNWLAEILC~LMHSK.G	44-59	
oxi-bmcc-122205	R.IPDIVLWPTC^HDDVVK.I	205-220	
oxi-bmcc-122205	K.VNQIGSVTESLQAC^K.L	365-379	
oxi-bmcc-122205	K.IC~DQWDALGSLTHSR.R	498-512	
oxi-bmcc-122205	R.AEC~PEISADLHPR.S	78-90	
oxi-bmcc-122205	R.LIVGLMRPPAYC~DAK.E	84-98	
oxi-bmcc-122205	K.LYC~IYVAIGQK.R	242-252	
oxi-bmcc-122205	R.GLC~GAIHSSIAK.Q	101-112	
oxi-bmcc-122205	R.GEVPC^TVTSASPLEEATLSELK.T	137-158	
oxi-bmcc-122205	K.VNQIGSVTESIQAC~K.L	343-357	
oxi-bmcc-122205	K.C~THWAEGGK.G	784-792	
oxi-bmcc-122205	K.RPTEIC~ADPQFIIGGATR.T	76-93	
oxi-bmcc-122005	K.HEQNIDC^GGGYVK.L	99-111	
oxi-bmcc-122205	R.C~KDDEFTHLYTLIVRPDNTYEVK.I	163-185	
oxi-bmcc-120805	K.TSAC^FEPPLDYMVTK.I	758-772	
oxi-bmcc-120805	K.VVAVDC~GIK.N	220-228	
oxi-bmcc-122205	R.MC~HPSIEGFTPR.L	815-826	
oxi-bmcc-122205	K.ILLNAC*C~PGWVR.T	220-231	
oxi-bmcc-122205	R.ILNHVLQHAEPGNAQSVLEAIDTYC^EQK.E	59-86	
oxi-bmcc-122205	R.GQDHC~GIESEVVAGIPR.T	315-331	
oxi-bmcc-122205	R.YSVFRPGVLLC~DR.Q	162-174	
oxi-bmcc-120805	K.C^VVVGDGAVGK.T	16-Jun	
oxi-bmcc-122205	K.TC~LLISYTTNK.F	17-27	
oxi-bmcc-122205	K.YVEC^SALTQK.G	154-163	
oxi-bmcc-122205	R.SIEDC~VQEEAR.C	140-150	
oxi-bmcc-122205	R.HLVGVC~YTEDEAK.E	134-146	
oxi-bmcc-122205	K.WEALHAAEC*PC~GPSLIR.F	168-184	

oxi-bmcc-122205	R.RVVVLC~GHDAVR.E	77-88
oxi-bmcc-122205	R.VQEEAHC~LVEELR.K	145-157
oxi-bmcc-122205	R.C~LVEELRK.T	151-158
oxi-bmcc-120805	R.VC~AGEGLAR.M	436-444
oxi-bmcc-122205	R.DLTDC~LLVEMEKEK.H	264-277
oxi-bmcc-122205	R.VKEHHQSLDPNC~PR.D	250-263
oxi-bmcc-111205	R.C~EHVQAR.L	504-510
oxi-bmcc-122205	R.C~IGEVLAK.W	458-465
oxi-bmcc-122205	R.RLAQNALNTFSIASDPASSSSC~YLEEHVSK.I	138-167
oxi-bmcc-120805	K.AVLVTGC~DSGFGFLAK.H	57-73
oxi-bmcc-120805	K.GFLVFAGC~LMK.D	79-89
oxi-bmcc-120805	K.METYC~SSGSTDTSPVIDAVTHALTATTPYTR	284-314
oxi-bmcc-122005	K.FGVEAFSDC~LR.Y	213-223
oxi-bmcc-122205	R.TVQLNVC~SSEEVEK.V	109-122
oxi-bmcc-111205	K.LAADC^AHEL.R	173-182
oxi-bmcc-122205	R.GIALQLC~K.A	22-29
oxi-bmcc-122205	R.VVAQEAQSLGGQC*VPVVC~DSSQESEVR.S	46-72
oxi-bmcc-122205	K.YGLAWQEYC~R.R	398-407
oxi-bmcc-122205	R.VTC^LDPNPHFEK.F	94-105
oxi-bmcc-122205	K.LAMEVYFGPC~SPYQFR.L	456-471
oxi-bmcc-120805	K.VAC~ITEQVLTLVNKR.I	475-489
oxi-bmcc-122205	R.LKTEGSDLC~DR.V	537-547
oxi-bmcc-122205	K.HSM#NPFC^EIAVEEAVR.L	36-51
oxi-bmcc-120805	K.AAQIGAHTLSGAC~LDPGAFK.E	106-125
oxi-bmcc-122205	R.ANC~EPQTYGIGLK.E	264-276
oxi-bmcc-122205	K.GQGVYLGMPGC^LPVYDALAGEFIR.A	147-170
oxi-bmcc-122205	R.LTESPC~ALVASQYGWSGNMER.I	640-660
oxi-bmcc-122205	K.KIGVVGNVC~FGFVGNR.M	468-483
oxi-bmcc-122205	K.NHGLSDEHVFEVIC~PSIPGYGFSEASSK.K	169-196
oxi-bmcc-122205	K.VFEHDSVELNC~K.M	18-29
oxi-bmcc-122205	K.GC^WDSIHVVEVQEK.S	145-158
oxi-bmcc-122205	R.EKDILTAIAADLC~K.S	38-51
oxi-bmcc-122205	K.C~HAGHLNGVYYQGGTYSK.A	365-382
oxi-bmcc-120805	K.EPVFNDELPA SILC~GIVSVKPNVK.E	281-304
oxi-bmcc-120805	K.ESAVFDAMVC~SGHHVYPNLPK.K	136-157
oxi-bmcc-122205	R.KEPVFNDELPA SILC~GIVSVKPNVK.E	280-304
oxi-bmcc-122205	R.VLVVGLGNSGC~DIATELSR.T	187-205
oxi-bmcc-120805	K.IC~GQSLANK.Y	247-255
oxi-bmcc-122205	K.LALHLLGPC~TPIHYR.V	459-474
oxi-bmcc-122205	K.TQAALVLDC~LETR.Q	540-552
oxi-bmcc-111205	K.ITHSPLTIC^FPEYTGANK.Y	279-296
oxi-bmcc-122205	K.IIHEDGYSEEEC~R.Q	55-67
oxi-bmcc-122205	R.LWADHGVQAC~FGR.S	131-143
oxi-bmcc-122205	K.GC^VEYEPNFSQEVQR.G	528-542
oxi-bmcc-122205	R.TDDC~HPWVLPVVK.K	43-55
oxi-bmcc-122205	R.VGVTVAQTMEPHLLEAC~VR.D	539-558
oxi-bmcc-122205	R.VPTANVSVDLTC~R.L	238-251
oxi-bmcc-122205	K.IISNASC~TTNC*LAPLAK.V	145-161
oxi-bmcc-120805	K.GDLWEAC~SVGIPYHDR.E	132-147
oxi-bmcc-122205	K.TQVEQC~EPVND AVR.R	76-89
oxi-bmcc-122205	R.YLC~AANIDFYNHLDK.F	212-226
oxi-bmcc-120805	R.FSC^DVAEGK.Y	257-265

oxi-bmcc-120805	R.LINYHQEQAVNC~LLGNVFYER.L	388-408
oxi-bmcc-122205	R.VGADNHVLPDLC~VTLQTFLAK.C	115-135
oxi-bmcc-122205	K.IIHEDGYSEDEC~K.Q	55-67
oxi-bmcc-120805	K.YVMLPVADQDQC~IR.H	298-311
oxi-bmcc-122205	K.SPVGVPILNEHTFC~AGMSK.Y	326-345
oxi-bmcc-122205	K.SC^AVAEGVYVK.V	322-333
oxi-bmcc-122005	K.VQAQYPGVC~INNEVVEPSAEQIAK.Y	74-97
oxi-bmcc-122205	R.FLNHSTEHC~MQEFMDK.K	22-38
oxi-bmcc-120805	K.FNAHGDANTIVC~NSK.D	25-Nov
oxi-bmcc-122205	R.LIC~INDYEQHAK.S	16-May
oxi-bmcc-122205	K.NINC~SIEESFQR.F	138-149
oxi-bmcc-122205	K.ALGATDC~LNPR.D	240-250
oxi-bmcc-122205	K.GGVDFALDC~AGGSETMK.A	266-282
oxi-bmcc-122205	R.IQIIATSLC~HTDATVIDSK.F	39-57
oxi-bmcc-122205	K.TAIHTAAMDMLGGPGIESQC~R.K	122-142
oxi-bmcc-122205	R.QAEKVIDGTPC*DQNGTAIC^VSGQCK.S	158-182
oxi-bmcc-122205	R.VVTC~EVDAQPELGR.P	130-144
oxi-bmcc-122205	K.EVGETLLYYGC~R.R	565-576
oxi-bmcc-122205	K.ATILDLSC~NK.L	41-50
oxi-bmcc-122205	K.VHTFVVDC~SNR.E	87-97
oxi-bmcc-122205	K.KADVIVLAGTVC~DFR.L	337-351
oxi-bmcc-122205	K.C~PHVTEHIPR.E	471-480
oxi-bmcc-122005	K.GDVKPLAEQIAITAGC^K.T	259-275
oxi-bmcc-122205	K.SYPLVC~IAK.E	385-393
oxi-bmcc-120805	R.VVEC~VMLC*HGAK.I	329-340
oxi-bmcc-122005	R.GIQVSNNGPC~LGSR.K	99-112
oxi-bmcc-122205	K.ATENTVNPC~PDDTLISFLPLAHMFER.V	303-328
oxi-bmcc-122205	K.PLKPPC~DLMSQSVEVAGSGGAR.R	50-71
oxi-bmcc-122205	R.GFEGSFEELC~R.N	616-626
oxi-bmcc-122205	R.RKPKPPAPEDLAVIC~FTSGTTGNPK.G	260-284
oxi-bmcc-122205	R.VVEC~VMLC*HGAK.I	329-340
oxi-bmcc-120805	K.C~VEHAYEPTPDDVAISYLPLAHMFER.I	288-313
oxi-bmcc-122005	K.ADIAMVIC~DTPQK.A	178-190
oxi-bmcc-122205	K.GSFEELC~QNQVVR.E	604-616
oxi-bmcc-122205	R.IVQAVVYSC~GAR.V	314-325
oxi-bmcc-122205	R.KPVPPSPEDLSVIC~FTSGTTGDPK.G	246-269
oxi-bmcc-122205	K.LHPTDNFAQSSC~FGLR.W	53-68
oxi-bmcc-122205	R.GLATFC~LDK.D	154-162
oxi-bmcc-122205	R.NKTEVDIYNSDPLIC~R.A	197-212
oxi-bmcc-122205	R.KVFANPEDC~VAFGK.G	42-55
oxi-bmcc-122205	R.FLYAC~GFASHPNEELLR.A	393-409
oxi-bmcc-122205	K.C~LLQIQASSGESK.Y	136-148
oxi-bmcc-122205	K.YTGTLDC~AK.K	149-157
oxi-bmcc-122205	R.LQTQPPSLPGQPPMYSGTFC~FR.K	38-60
oxi-bmcc-122205	K.GEYQGVFHC~AVETAK.L	232-246
oxi-bmcc-122205	R.GVNEDTYSGILDC~AR.K	259-273
oxi-bmcc-120805	K.TC~DALQAK.V	1072-1079
oxi-bmcc-122205	R.EANSIIITPGYGLC~AAK.A	923-939
oxi-bmcc-122205	K.C~EVLQYSAR.E	253-261
oxi-bmcc-122205	K.AVTEGAQAVEEPSIC^.-	713-727
oxi-bmcc-122205	K.GVPVSEAEAC~TAMGLR.S	71-85
oxi-bmcc-122205	-.MLRLGLCAAALLC*VC~R.P	16-Jan

oxi-bmcc-122205	K.YVFITGC~DSGFGNLLAR.Q	31-47
oxi-bmcc-122205	R.VAFFVGGYC~VSK.Y	169-180
oxi-bmcc-120805	K.HGEVC~PAGWKPGSETIIPDPAGK.L	241-263
oxi-bmcc-122205	R.TREEEC~HFYAGGQVYPGEASR.V	46-66
oxi-bmcc-122205	K.IC~DFENASKPQSIQESTGSIIEVLSK.I	276-301
oxi-bmcc-122205	R.VEHQC~LSSEELK.Q	115-126
oxi-bmcc-122205	K.C~DEPILSNR.S	132-140
oxi-bmcc-120805	R.VLDWIC~R.R	554-560
oxi-bmcc-122205	K.C~LHSVGGQPLTGQGEVPSQWPC*NPEK.T	210-234
oxi-bmcc-122205	K.VEC~VGDDIAWMR.F	323-334
oxi-bmcc-122205	K.DVIIADC~GK.I	196-204
oxi-bmcc-122005	K.LSLLEVGC~GTGANFK.F	22-36
oxi-bmcc-122205	R.VTC~IDPNPNFEK.F	44-55
oxi-bmcc-120805	K.C~YEMASHLR.R	128-136
oxi-bmcc-122205	K.FIQENIFGIC~PHMTEDNKDLIQGK.D	235-258
oxi-bmcc-122205	R.MVQVHELGC~EGISK.S	172-185
oxi-bmcc-122205	R.QWNNC~AFLESSAK.S	137-149
oxi-bmcc-122205	K.SC~LLLQFTDK.R	20-29
oxi-bmcc-122205	K.IC~DQISDAVLDAHLK.Q	33-47
oxi-bmcc-122005	K.TGTLTTNQMSVC^R.M	353-365
oxi-bmcc-122205	K.VGEATETALTC~LVEK.M	437-451
oxi-bmcc-122205	R.C~LALATHDNPLR.R	560-571
oxi-bmcc-122205	R.VEGDTC~SLNEFTITGSTYAPIGEVHK.D	372-397
oxi-bmcc-122205	R.IGLLGC^NATR.E	361-370
oxi-bmcc-122205	K.ALVLIAFAQYLQQC~PFEDHVK.L	45-65
oxi-bmcc-122205	R.RPC^FSALEVDETYVPK.E	509-524
oxi-bmcc-111205	K.VEFLEC^SAK.G	241-249
oxi-bmcc-122205	R.AVLLVGLC~DSGK.T	66-77
oxi-bmcc-122205	R.LGPNYLHIPVNC~PYR.A	67-81
oxi-bmcc-122205	R.KGTDIMYTGTLDC~WR.K	270-284
oxi-bmcc-122205	K.LGC~PTAWINPHGR.G	202-214
oxi-bmcc-120805	K.HFVPSAGADSETHC~.-	678-691
oxi-bmcc-122205	K.ADAEC~YTAMK.I	258-267
oxi-bmcc-122205	K.SC~AEWVLSK.A	75-84
oxi-bmcc-120805	K.YGYIHLYDLETGTC~IYMNR.I	278-296
oxi-bmcc-122005	K.VIQC^FAETGQVQK.I	487-499
oxi-bmcc-122205	R.IHEGC~EEPATHNALAK.I	865-880
oxi-bmcc-122205	K.LYVYNTDTDNC^R.E	95-106
oxi-bmcc-122005	K.MININILSVC~K.M	157-167
oxi-bmcc-122205	K.TFVDFFSQC~LHEEYR.S	207-221
oxi-bmcc-120805	K.C~TQDLSLVTNC*MEHALIAC*HPR.T	257-278
oxi-bmcc-122005	R.VLAAC~LTEK.G	56-64
oxi-bmcc-122205	R.DKYVFITGC~DSGFGK.L	29-43
oxi-bmcc-122205	R.VSLFGGGYC~ISK.Y	169-180
oxi-bmcc-122205	R.FFLGDLCA^SR.Q	80-88
oxi-bmcc-122205	K.MEEFKDQLPADEC~NK.L	596-610
oxi-bmcc-120805	R.AAFGLSEAGFNTAC~VTK.L	76-92
oxi-bmcc-122205	R.GVIALC~IEDGSIHR.I	233-246
oxi-bmcc-122205	R.TYFSC^TSAHTSTGDGTAMITR.A	262-282
oxi-bmcc-122205	R.VGSVLQEGC^GK.I	528-538
oxi-bmcc-122005	K.C~GPMVLDALIK.I	68-78
oxi-bmcc-122205	R.C~HTIMNC*TR.T	243-251

oxi-bmcc-120805	K.SLC~LGPALIHTAK.F	105-117
oxi-bmcc-122205	K.AFQYVETHGEVC~PANWTPDSPTIKPSPAAS	218-248
oxi-bmcc-122205	K.C~KPSLPAAEAGAAQELENQM#K.E	68-88
oxi-bmcc-122205	R.NTWDC~GLQILK.K	258-268
oxi-bmcc-102305	K.ALMGLYHGQVLC^K.K	338-350
oxi-bmcc-102305	K.TGIEQGS DAGYLC^ESQK.F	310-326
oxi-bmcc-120805	K.PGC*FIAGADINMLAAC~K.T	95-111
oxi-bmcc-120805	R.C~LAPM#MSEVIR.I	550-560
oxi-bmcc-122205	R.HVPGASFFDIEEC~R.D	52-65
oxi-bmcc-122205	K.AYHEQLSVAEITNAC~FEPANQMVK.C	281-304
oxi-bmcc-122205	R.KDRKQKSYSRRLHPC~VGAACVRQFLAAGT(	Sep-49
oxi-bmcc-122205	R.C~C*VELLHNEALIR.H	127-139
oxi-bmcc-122205	R.PFLPNVDFVGGGLHC^K.P	270-284
oxi-bmcc-120805	K.FSTSC^FWDDC^R.Q	362-372
oxi-bmcc-122205	K.FSTSC^FWDDC^R.Q	362-372
oxi-bmcc-122205	R.PLTAEMYQAVC^EGTWR.L	674-689
oxi-bmcc-122205	R.YLC~NIPQQPEDR.T	388-399
oxi-bmcc-122005	K.GEVGLLVC^K.I	420-428
oxi-bmcc-122205	K.NC~IDITGVR.L	238-246
oxi-bmcc-122205	K.YQIDPDAC~FSAK.V	225-236
oxi-bmcc-122205	K.NC~SETQYESK.V	111-120
oxi-bmcc-122205	K.SRC^PISSCNKLFTSKHSM#KTHMVKR.H	543-567

Number of Rows Displayed: 1404

NYS-HLM-2006-IAB

Data of 081505, 090805, 102305, 111305 and 120805

Proteins with 5+ sequence positions overlapped in at least 3 groups by Group

Protein	Swiss Prot ID	group
10-formyltetrahydrofolate dehydrogenase [Homo sapiens]	UniRef100_O75891	oxi-IAB-120805
130 kDa leucine-rich protein [Homo sapiens]	UniRef100_P42704	oxi-IAB-120805
17-beta hydroxysteroid dehydrogenase [Homo sapiens]	UniRef100_Q86W23	oxi-IAB-090805
17-beta hydroxysteroid dehydrogenase [Homo sapiens]	UniRef100_Q86W23	oxi-IAB-102305
17-beta hydroxysteroid dehydrogenase isoform 1 [Homo sapiens]	UniRef100_Q86W22	oxi-IAB-120805
21 kDa protein [Homo sapiens]	UniRef100_UPI000013D	oxi-IAB-120805
24-dehydrocholesterol reductase precursor [Homo sapiens]	UniRef100_Q15392	oxi-IAB-120805
26S protease regulatory subunit 6B [Homo sapiens]	UniRef100_P43686	oxi-IAB-120805
3-ketoacyl-CoA thiolase, mitochondrial [Homo sapiens]	UniRef100_P42765	oxi-IAB-120805
40S ribosomal protein S11 [Homo sapiens]	UniRef100_P62280	oxi-IAB-120805
40S ribosomal protein S17 [Homo sapiens]	UniRef100_P08708	oxi-IAB-111305
40S ribosomal protein S2 [Homo sapiens]	UniRef100_P15880	oxi-IAB-120805
40S ribosomal protein S3 [Homo sapiens]	UniRef100_P23396	oxi-IAB-120805
4-aminobutyrate aminotransferase, mitochondrial precursor (	UniRef100_P80404	oxi-IAB-120805
60S acidic ribosomal protein P0 [Homo sapiens]	UniRef100_P05388	oxi-IAB-120805
60S ribosomal protein L12 [Homo sapiens]	UniRef100_P30050	oxi-IAB-120805
7-dehydrocholesterol reductase [Homo sapiens]	UniRef100_Q9UBM7	oxi-IAB-120805
Acetyl-CoA acetyltransferase, mitochondrial precursor [Homo	UniRef100_P24752	oxi-IAB-120805
Acyl-CoA dehydrogenase, short/branched chain specific, mito	UniRef100_P45954	oxi-IAB-120805
Alcohol dehydrogenase 6 [Homo sapiens]	UniRef100_P28332	oxi-IAB-120805
Alcohol dehydrogenase IB (Class I), beta polypeptide [Homo	UniRef100_Q4ZGI9	oxi-IAB-081505f
Alcohol dehydrogenase IB (Class I), beta polypeptide [Homo	UniRef100_Q4ZGI9	oxi-IAB-081505f
Alcohol dehydrogenase IB (Class I), beta polypeptide [Homo	UniRef100_Q4ZGI9	oxi-IAB-090805
Alcohol dehydrogenase IB (Class I), beta polypeptide [Homo	UniRef100_Q4ZGI9	oxi-IAB-111305
Aldehyde dehydrogenase, mitochondrial precursor [Homo sapie	UniRef100_P05091	oxi-IAB-120805
Aldehyde oxidase [Homo sapiens]	UniRef100_Q06278	oxi-IAB-120805
Aldehyde oxidase [Homo sapiens]	UniRef100_Q9BYF0	oxi-IAB-120805
Aldo-keto reductase family 1 member C4 [Homo sapiens]	UniRef100_P17516	oxi-IAB-120805
Aldolase B, fructose-bisphosphate [Homo sapiens]	UniRef100_Q5T7D6	oxi-IAB-120805
Alpha enolase, lung specific [Homo sapiens]	UniRef100_Q05524	oxi-IAB-120805
Alpha-1-antitrypsin precursor [Homo sapiens]	UniRef100_P01009	oxi-IAB-120805
Aminoacylase-1 [Homo sapiens]	UniRef100_Q03154	oxi-IAB-120805
Annexin A6 [Homo sapiens]	UniRef100_P08133	oxi-IAB-102305
Annexin A6 [Homo sapiens]	UniRef100_P08133	oxi-IAB-120805
Annexin IV variant [Homo sapiens]	UniRef100_Q59FK3	oxi-IAB-120805
Argininosuccinate synthase [Homo sapiens]	UniRef100_P00966	oxi-IAB-120805
ASGR1 protein [Homo sapiens]	UniRef100_Q6FGQ5	oxi-IAB-090805
ASGR1 protein [Homo sapiens]	UniRef100_Q6FGQ5	oxi-IAB-120805
ATP synthase gamma chain, mitochondrial precursor [Homo sap	UniRef100_P36542	oxi-IAB-120805
ATP synthase oligomycin sensitivity conferral protein, mito	UniRef100_P48047	oxi-IAB-120805
ATP-citrate synthase (EC 2.3.3.8) (ATP-citrate (pro-S)-lya	UniRef100_P53396	oxi-IAB-111305
Beta-globin gene from a thalassemia patient, complete cds [	UniRef100_Q14473	oxi-IAB-120805
Calreticulin precursor [Homo sapiens]	UniRef100_P27797	oxi-IAB-120805
Carbamoyl-phosphate synthase [ammonia], mitochondrial precu	UniRef100_P31327	oxi-IAB-081505f
Carbamoyl-phosphate synthase [ammonia], mitochondrial precu	UniRef100_P31327	oxi-IAB-090805
Carbamoyl-phosphate synthase [ammonia], mitochondrial precu	UniRef100_P31327	oxi-IAB-120805

Carbamoyl-phosphate synthase [ammonia], mitochondrial precu	UniRef100_P31327	oxi-IAB-120805
Carbamoyl-phosphate synthase [ammonia], mitochondrial precu	UniRef100_P31327	oxi-IAB-120805
Carbonyl reductase [NADPH] 1 (EC 1.1.1.184) (NADPH-depende	UniRef100_P16152	oxi-IAB-120805
Cathepsin B precursor [Homo sapiens]	UniRef100_P07858	oxi-IAB-102305
Cathepsin B precursor [Homo sapiens]	UniRef100_P07858	oxi-IAB-120805
CC3 [Homo sapiens]	UniRef100_O15383	oxi-IAB-120805
Cell division control protein 42 homolog [Homo sapiens]	UniRef100_P60953	oxi-IAB-120805
Cell division control protein 42 homolog [Homo sapiens]	UniRef100_P60953	oxi-IAB-120805
Cell division cycle 42 [Homo sapiens]	UniRef100_Q90694	oxi-IAB-120805
Cofilin 1 [Homo sapiens]	UniRef100_Q53Y87	oxi-IAB-120805
Complement C4 precursor [Contains: C4a anaphylatoxin; C4b]	UniRef100_P01028	oxi-IAB-081505f
Complement C4 precursor [Contains: C4a anaphylatoxin; C4b]	UniRef100_P01028	oxi-IAB-120805
Complement C4 precursor [Contains: C4a anaphylatoxin; C4b]	UniRef100_P01028	oxi-IAB-120805
Cystathionine beta-synthase [Homo sapiens]	UniRef100_P35520	oxi-IAB-120805
Cytochrome P450 2A6 (EC 1.14.14.1) (CYPIIA6) (Coumarin 7-hy	UniRef100_P11509	oxi-IAB-090805
Cytochrome P450 2A6 (EC 1.14.14.1) (CYPIIA6) (Coumarin 7-hy	UniRef100_P11509	oxi-IAB-111305
Cytochrome P450 2B6 [Homo sapiens]	UniRef100_P20813	oxi-IAB-120805
Cytochrome P450 2C18 [Homo sapiens]	UniRef100_P33260	oxi-IAB-120805
Cytochrome P450 2C19 (EC 1.14.13.80) ((R)-limonene 6-monoox	UniRef100_P33261	oxi-IAB-120805
Cytochrome P450 2C8 [Homo sapiens]	UniRef100_P10632	oxi-IAB-102305
Cytochrome P450 2C8 [Homo sapiens]	UniRef100_P10632	oxi-IAB-111305
Cytochrome P450 2C9 (EC 1.14.13.80) ((R)-limonene 6-monooxy	UniRef100_P11712	oxi-IAB-120805
Cytochrome P450 2D6 [Homo sapiens]	UniRef100_P10635	oxi-IAB-120805
Cytochrome P450 2E1 [Homo sapiens]	UniRef100_P05181	oxi-IAB-090805
Cytochrome P450 2E1 [Homo sapiens]	UniRef100_P05181	oxi-IAB-102305
Cytochrome P450 2E1 [Homo sapiens]	UniRef100_P05181	oxi-IAB-111305
Cytochrome P450 2E1 [Homo sapiens]	UniRef100_P05181	oxi-IAB-120805
Cytochrome P450 3A3 [Homo sapiens]	UniRef100_P05184	oxi-IAB-111305
Cytochrome P450 4F3 (EC 1.14.13.30) (CYPIVF3) (Leukotriene-	UniRef100_Q08477	oxi-IAB-120805
Cytochrome P450-1A2 [Homo sapiens]	UniRef100_Q9UK49	oxi-IAB-120805
Cytosolic acyl coenzyme A thioester hydrolase, inducible [H	UniRef100_Q86TX2	oxi-IAB-120805
Cytosolic nonspecific dipeptidase [Homo sapiens]	UniRef100_Q96KP4	oxi-IAB-111305
D-beta-hydroxybutyrate dehydrogenase, mitochondrial precurs	UniRef100_Q02338	oxi-IAB-090805
D-beta-hydroxybutyrate dehydrogenase, mitochondrial precurs	UniRef100_Q02338	oxi-IAB-090805
D-beta-hydroxybutyrate dehydrogenase, mitochondrial precurs	UniRef100_Q02338	oxi-IAB-120805
D-dopachrome tautomerase [Homo sapiens]	UniRef100_Q53Y51	oxi-IAB-120805
Dehydrogenase/reductase SDR family member 1 [Homo sapiens]	UniRef100_Q96LJ7	oxi-IAB-120805
Delta-aminolevulinic acid dehydratase [Homo sapiens]	UniRef100_P13716	oxi-IAB-120805
DILV594 [Homo sapiens]	UniRef100_Q6UX53	oxi-IAB-120805
Dolichyl-diphosphooligosaccharide--protein glycosyltransfer	UniRef100_P04843	oxi-IAB-120805
Electron transfer flavoprotein-ubiquinone oxidoreductase, m	UniRef100_Q16134	oxi-IAB-120805
Elongation factor 2 [Homo sapiens]	UniRef100_Q58J86	oxi-IAB-120805
Elongation factor Tu, mitochondrial precursor [Homo sapiens]	UniRef100_P49411	oxi-IAB-102305
Elongation factor Tu, mitochondrial precursor [Homo sapiens]	UniRef100_P49411	oxi-IAB-120805
Enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydr	UniRef100_Q58EZ5	oxi-IAB-102305
Enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydr	UniRef100_Q58EZ5	oxi-IAB-120805
Fatty acid synthase (EC 2.3.1.85) [Includes: [Acyl-carrier-	UniRef100_P49327	oxi-IAB-090805
Fatty acid synthase (EC 2.3.1.85) [Includes: [Acyl-carrier-	UniRef100_P49327	oxi-IAB-090805
Fatty acid synthase (EC 2.3.1.85) [Includes: [Acyl-carrier-	UniRef100_P49327	oxi-IAB-120805
Fibrinogen beta chain precursor [Contains: Fibrinopeptide B	UniRef100_P02675	oxi-IAB-120805
Flavin containing monooxygenase 3 isoform 2 variant [Homo s	UniRef100_Q53FW5	oxi-IAB-120805
Flavin containing monooxygenase 5 variant [Homo sapiens]	UniRef100_Q53H53	oxi-IAB-120805

Full-length cDNA clone CS0DC022YA24 of Neuroblastoma of Homo sapiens	UniRef100_Q86U01	oxi-IAB-120805
Glutamate dehydrogenase 1, mitochondrial precursor [Homo sapiens]	UniRef100_P00367	oxi-IAB-120805
Glutathione S-transferase pi [Homo sapiens]	UniRef100_Q5TZY3	oxi-IAB-120805
Glyceraldehyde-3-phosphate dehydrogenase, liver [Homo sapiens]	UniRef100_UPI000051A	oxi-IAB-120805
Glyceraldehyde-3-phosphate dehydrogenase, muscle [Homo sapiens]	UniRef100_P00354	oxi-IAB-120805
Glycogen [starch] synthase, liver [Homo sapiens]	UniRef100_P54840	oxi-IAB-120805
Glycogen debranching enzyme (Glycogen debrancher) [Includes Glycogen debranching enzyme (Glycogen debrancher) [Includes	UniRef100_P35573	oxi-IAB-090805
Guanine nucleotide-binding protein G(I)/G(S)/G(T) beta subunit	UniRef100_P62879	oxi-IAB-120805
Haptoglobin precursor [Homo sapiens]	UniRef100_P00738	oxi-IAB-090805
Haptoglobin precursor [Homo sapiens]	UniRef100_P00738	oxi-IAB-120805
Haptoglobin-related protein precursor [Homo sapiens]	UniRef100_P00739	oxi-IAB-120805
Heme oxygenase 2 [Homo sapiens]	UniRef100_P30519	oxi-IAB-102305
Heme oxygenase 2 [Homo sapiens]	UniRef100_P30519	oxi-IAB-120805
HLBP14=14-kDa laminin binding protein [Homo sapiens]	UniRef100_Q9UDK5	oxi-IAB-120805
Homolog of yeast long chain polyunsaturated fatty acid elongase	UniRef100_Q59EL3	oxi-IAB-120805
Hydroxyacid oxidase 1 [Homo sapiens]	UniRef100_Q9UJM8	oxi-IAB-120805
Hydroxyacid oxidase 2 [Homo sapiens]	UniRef100_Q5QP00	oxi-IAB-120805
Hydroxyacylglutathione hydrolase [Homo sapiens]	UniRef100_Q16775	oxi-IAB-120805
Hydroxymethylglutaryl-CoA synthase, mitochondrial precursor	UniRef100_P54868	oxi-IAB-120805
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	oxi-IAB-081505f
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	oxi-IAB-090805
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	oxi-IAB-120805
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	oxi-IAB-120805
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	oxi-IAB-120805
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	oxi-IAB-120805
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	oxi-IAB-120805
Hypothetical protein DKFZp313K0719 [Homo sapiens]	UniRef100_Q5HYK3	oxi-IAB-120805
Hypothetical protein DKFZp686A1586 [Homo sapiens]	UniRef100_Q7Z3D5	oxi-IAB-120805
Hypothetical protein FLJ20605 [Homo sapiens]	UniRef100_Q9NWU0	oxi-IAB-120805
Hypothetical protein FLJ23841 [Homo sapiens]	UniRef100_Q8TE79	oxi-IAB-120805
Hypothetical protein FLJ90742 [Homo sapiens]	UniRef100_Q8NBU5	oxi-IAB-120805
Hypothetical protein FLJ90780 [Homo sapiens]	UniRef100_Q8N2H5	oxi-IAB-120805
Hypothetical protein PRO1855 [Homo sapiens]	UniRef100_Q96AG4	oxi-IAB-120805
Hypothetical protein PSEC0098 [Homo sapiens]	UniRef100_Q8NBN2	oxi-IAB-120805
Isocitrate dehydrogenase [NADP] cytoplasmic (EC 1.1.1.42) (	UniRef100_O75874	oxi-IAB-102305
Isocitrate dehydrogenase [NADP] cytoplasmic (EC 1.1.1.42) (	UniRef100_O75874	oxi-IAB-120805
Isocitrate dehydrogenase [NADP], mitochondrial precursor (E	UniRef100_P48735	oxi-IAB-120805
Lambda-crystallin homolog [Homo sapiens]	UniRef100_Q9Y2S2	oxi-IAB-120805
Liver carboxylesterase 1 precursor [Homo sapiens]	UniRef100_P23141	oxi-IAB-120805
L-lactate dehydrogenase A-like 6A [Homo sapiens]	UniRef100_Q6ZMR3	oxi-IAB-120805
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121	oxi-IAB-120805
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121	oxi-IAB-120805
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121	oxi-IAB-120805
Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5	oxi-IAB-090805
Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5	oxi-IAB-111305
Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5	oxi-IAB-120805
L-xylulose reductase [Homo sapiens]	UniRef100_Q7Z4W1	oxi-IAB-090805
L-xylulose reductase [Homo sapiens]	UniRef100_Q7Z4W1	oxi-IAB-120805
Membrane associated progesterone receptor component 2 [Homo sapiens]	UniRef100_O15173	oxi-IAB-120805
Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial	UniRef100_Q02252	oxi-IAB-090805
Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial	UniRef100_Q02252	oxi-IAB-120805
Microsomal glutathione S-transferase 1 [Homo sapiens]	UniRef100_P10620	oxi-IAB-120805

Mitochondrial carnitine/acylcarnitine carrier protein [Homo	UniRef100_O43772	oxi-IAB-102305
Mitochondrial carnitine/acylcarnitine carrier protein [Homo	UniRef100_O43772	oxi-IAB-120805
Myosin Ia [Homo sapiens]	UniRef100_Q9UBC5	oxi-IAB-120805
NAD(P) transhydrogenase, mitochondrial precursor [Homo sapi	UniRef100_Q13423	oxi-IAB-102305
NAD(P) transhydrogenase, mitochondrial precursor [Homo sapi	UniRef100_Q13423	oxi-IAB-120805
NADH-ubiquinone oxidoreductase 13 kDa-A subunit, mitochondr	UniRef100_O75380	oxi-IAB-120805
NADH-ubiquinone oxidoreductase 42 kDa subunit, mitochondria	UniRef100_O95299	oxi-IAB-090805
NADH-ubiquinone oxidoreductase 42 kDa subunit, mitochondria	UniRef100_O95299	oxi-IAB-111305
NADH-ubiquinone oxidoreductase 42 kDa subunit, mitochondria	UniRef100_O95299	oxi-IAB-120805
NADH-ubiquinone oxidoreductase chain 3 [Homo sapiens]	UniRef100_P03897	oxi-IAB-120805
NADP-dependent leukotriene B4 12-hydroxydehydrogenase [Horr	UniRef100_Q14914	oxi-IAB-120805
NDUFA7 protein [Homo sapiens]	UniRef100_Q6FG42	oxi-IAB-120805
Novel protein [Homo sapiens]	UniRef100_Q5VT66	oxi-IAB-120805
Oxidoreductase [Homo sapiens]	UniRef100_O14756	oxi-IAB-120805
Peroxiredoxin 5, mitochondrial precursor [Homo sapiens]	UniRef100_P30044	oxi-IAB-120805
Peroxiredoxin 6 [Homo sapiens]	UniRef100_Q5TAH4	oxi-IAB-081505f
Peroxiredoxin 6 [Homo sapiens]	UniRef100_Q5TAH4	oxi-IAB-102305
Peroxisomal trans-2-enoyl-CoA reductase [Homo sapiens]	UniRef100_Q9BY49	oxi-IAB-120805
Phosphatidylethanolamine-binding protein (PEBP) (Prostatic	UniRef100_P30086	oxi-IAB-120805
Phosphoenolpyruvate carboxykinase, mitochondrial precursor	UniRef100_Q16822	oxi-IAB-120805
Poly(rC)-binding protein 1 [Homo sapiens]	UniRef100_Q15365	oxi-IAB-120805
Prenylcysteine oxidase precursor [Homo sapiens]	UniRef100_Q9UHG3	oxi-IAB-120805
PRO0066 [Homo sapiens]	UniRef100_Q9UHZ7	oxi-IAB-090805
PRO0066 [Homo sapiens]	UniRef100_Q9UHZ7	oxi-IAB-120805
Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 precursor	UniRef100_Q02809	oxi-IAB-120805
Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2 precursor	UniRef100_O00469	oxi-IAB-120805
Programmed cell death protein 8, mitochondrial precursor [H	UniRef100_O95831	oxi-IAB-120805
Protein-glutamine gamma-glutamyltransferase (EC 2.3.2.13) (	UniRef100_P21980	oxi-IAB-120805
Purine nucleoside phosphorylase [Homo sapiens]	UniRef100_P00491	oxi-IAB-120805
Pyruvate carboxylase, mitochondrial precursor [Homo sapiens	UniRef100_P11498	oxi-IAB-090805
Pyruvate carboxylase, mitochondrial precursor [Homo sapiens	UniRef100_P11498	oxi-IAB-111305
Pyruvate carboxylase, mitochondrial precursor [Homo sapiens	UniRef100_P11498	oxi-IAB-120805
Pyruvate kinase 3 isoform 1 variant [Homo sapiens]	UniRef100_Q53GK4	oxi-IAB-120805
Quinone oxidoreductase [Homo sapiens]	UniRef100_Q08257	oxi-IAB-120805
Ras-related C3 botulinum toxin substrate 1 [Homo sapiens]	UniRef100_P63000	oxi-IAB-120805
Ras-related C3 botulinum toxin substrate 1 [Homo sapiens]	UniRef100_P63000	oxi-IAB-120805
Ras-related protein Rab-14 [Homo sapiens]	UniRef100_P61106	oxi-IAB-120805
Ras-related protein Rab-21 [Homo sapiens]	UniRef100_Q9UL25	oxi-IAB-120805
Ras-related protein Rab-2A [Homo sapiens]	UniRef100_P61019	oxi-IAB-120805
Ras-related protein Rab-7 [Homo sapiens]	UniRef100_P51149	oxi-IAB-120805
Receptor expression enhancing protein 5 [Homo sapiens]	UniRef100_Q5QGT0	oxi-IAB-120805
Retinol dehydrogenase 13 [Homo sapiens]	UniRef100_Q8NBN7	oxi-IAB-120805
Rho-related GTP-binding protein RhoB [Homo sapiens]	UniRef100_P62745	oxi-IAB-120805
Rho-related GTP-binding protein RhoC [Homo sapiens]	UniRef100_P08134	oxi-IAB-120805
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (EC 3.6	UniRef100_P16615	oxi-IAB-111305
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (EC 3.6	UniRef100_P16615	oxi-IAB-120805
Sarcosine dehydrogenase, mitochondrial precursor [Homo sapi	UniRef100_Q9UL12	oxi-IAB-120805
SEC13-like 1 isoform b variant [Homo sapiens]	UniRef100_Q59FA6	oxi-IAB-111305
Serine hydroxymethyltransferase, cytosolic [Homo sapiens]	UniRef100_P34896	oxi-IAB-081505f
Serine hydroxymethyltransferase, cytosolic [Homo sapiens]	UniRef100_P34896	oxi-IAB-111305
Serine hydroxymethyltransferase, cytosolic [Homo sapiens]	UniRef100_P34896	oxi-IAB-120805
Serine--pyruvate aminotransferase [Homo sapiens]	UniRef100_P21549	oxi-IAB-120805

Seryl-tRNA synthetase [Homo sapiens]	UniRef100_Q5T5C7	oxi-IAB-120805
Signal recognition particle receptor beta subunit [Homo sap	UniRef100_Q9Y5M8	oxi-IAB-090805
Signal recognition particle receptor beta subunit [Homo sap	UniRef100_Q9Y5M8	oxi-IAB-120805
Signal recognition particle receptor beta subunit [Homo sap	UniRef100_Q9Y5M8	oxi-IAB-120805
Similar to catalase [Homo sapiens]	UniRef100_Q8TAK2	oxi-IAB-120805
Solute carrier family 27 (Fatty acid transporter), member 5	UniRef100_Q59H28	oxi-IAB-090805
Solute carrier family 27 (Fatty acid transporter), member 5	UniRef100_Q59H28	oxi-IAB-120805
SPFH domain protein 2 precursor [Homo sapiens]	UniRef100_O94905	oxi-IAB-120805
Splice isoform 2 of O75947 [Homo sapiens]	UniRef100_O75947-2	oxi-IAB-120805
Splice isoform 2 of Q00610 [Homo sapiens]	UniRef100_Q00610-2	oxi-IAB-090805
Splice isoform 2 of Q00610 [Homo sapiens]	UniRef100_Q00610-2	oxi-IAB-111305
Splice isoform D of O95954 [Homo sapiens]	UniRef100_O95954-3	oxi-IAB-120805
Splice isoform E of O95954 [Homo sapiens]	UniRef100_O95954-4	oxi-IAB-120805
Steroid dehydrogenase homolog [Homo sapiens]	UniRef100_Q53GQ0	oxi-IAB-120805
Sterol/retinol dehydrogenase [Homo sapiens]	UniRef100_O75452	oxi-IAB-111305
Sterol/retinol dehydrogenase [Homo sapiens]	UniRef100_O75452	oxi-IAB-111305
Sterol/retinol dehydrogenase [Homo sapiens]	UniRef100_O75452	oxi-IAB-120805
Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	UniRef100_Q15738	oxi-IAB-120805
Succinate dehydrogenase [ubiquinone] flavoprotein subunit,	UniRef100_P31040	oxi-IAB-120805
Succinate dehydrogenase [ubiquinone] iron-sulfur protein, m	UniRef100_P21912	oxi-IAB-120805
Succinate dehydrogenase cytochrome b560 subunit, mitochondr	UniRef100_Q99643	oxi-IAB-120805
Succinate semialdehyde dehydrogenase [Homo sapiens]	UniRef100_Q6A2H1	oxi-IAB-120805
Tapasin precursor [Homo sapiens]	UniRef100_O15533	oxi-IAB-120805
Thioredoxin domain containing protein 5 precursor [Homo sap	UniRef100_Q8NBS9	oxi-IAB-111305
Translocation protein SEC63 homolog [Homo sapiens]	UniRef100_Q9UGP8	oxi-IAB-120805
Transmembrane protein induced by tumor necrosis factor alph	UniRef100_Q9BXJ8	oxi-IAB-120805
Trifunctional enzyme alpha subunit, mitochondrial precursor	UniRef100_P40939	oxi-IAB-102305
Trifunctional enzyme alpha subunit, mitochondrial precursor	UniRef100_P40939	oxi-IAB-120805
TST protein [Homo sapiens]	UniRef100_Q6IB06	oxi-IAB-120805
Tubulin alpha-1 chain [Homo sapiens]	UniRef100_P68366	oxi-IAB-120805
Tubulin beta-2 chain [Homo sapiens]	UniRef100_P07437	oxi-IAB-102305
Tubulin beta-2 chain [Homo sapiens]	UniRef100_P07437	oxi-IAB-111305
Tubulin beta-4 chain [Homo sapiens]	UniRef100_P04350	oxi-IAB-120805
UDP-glucose 6-dehydrogenase [Homo sapiens]	UniRef100_O60701	oxi-IAB-120805
UDP-glucuronosyltransferase 1-4 precursor, microsomal [Homo	UniRef100_P22310	oxi-IAB-120805
UDP-glucuronosyltransferase 1-4 precursor, microsomal [Homo	UniRef100_P22310	oxi-IAB-120805
Very long-chain acyl-CoA synthetase homolog 2 [Homo sapiens]	UniRef100_Q9Y2P5	oxi-IAB-120805
Very-long-chain acyl-CoA synthetase [Homo sapiens]	UniRef100_O14975	oxi-IAB-120805
Vesicular integral-membrane protein VIP36 precursor [Homo s	UniRef100_Q12907	oxi-IAB-120805
Voltage-dependent anion channel 1 [Homo sapiens]	UniRef100_Q5FVE7	oxi-IAB-120805
Voltage-dependent anion-selective channel protein 3 [Homo s	UniRef100_Q9Y277	oxi-IAB-120805

Number of Rows [

oup**peptide**

K.GENC~IAAGR.L
R.C~VANNQVETLEK.L
R.GVEETAaec^R.K
K.LGVTahayVVDC^SNR.E
K.TSC~LC*PVFVNTGFTK.N
K.YVEC~SALTKK.G
R.GLEAIC~AK.F
R.GVLM#YGPPGC~GK.T
R.EEC~DKYALQSQQR.W
K.C~PFTGNVSIR.G
R.VC^EEIaiPSK.K
R.GC~TATLGNFAK.A
R.GLC~AIAQAESLR.Y
K.GVVLGGC~GDK.S
K.C~FIVGADNVGSK.Q
R.C~TGGEVGATSALAPK.I
K.VIEC~SYTSADGQR.H
K.IHMGSC~AENTAK.K
R.ASSTC~PLTFENVK.V
K.VVATGLC~GTEMK.V
K.MVAVGIC~R.T
K.NPESNYC~LK.N
K.VIPLFTPQC^GK.C
K.ELGATEC^INPQDYK.K
K.LLC~GGGIAADR.G
R.ELC~ISYGGVGPATIC*AK.N
K.C~PNADLKPQEILVSVNIPYSR.K
K.SIGVSNFNC~R.Q
R.AMANC~QAAK.G
K.VNQIGSVTESLQAC~K.L
R.LGMFNIQHC~K.K
K.C~VSIQYLEAVR.R
R.QRQEVc~QSYK.S
K.C~LIEILASR.T
K.FLTVLC~SR.N
R.FELSC~YSLAPQIK.V
R.TC~C*PVNWVEHER.S
R.WVC^ETELDK.A
R.GLC~GAIHSSIAK.Q
R.GEVPC^TVTSASPLEEATLSELK.T
K.FIC^TTSAIQNR.F
K.GTFATLSELHC~DK.L
K.HEQNIDC~GGGYVK.L
K.VVAVDC~GIK.N
R.SAYALGGLGSGIC~PNR.E
K.C^LGLTEAQTR.E

Cys

704-712
809-820
72-81
83-97
177-191
154-163
247-254
201-212
177-189
60-69
33-43
228-238
95-106
461-470
27-38
17-31
377-389
191-202
257-269
41-52
41-48
106-114
90-100
235-248
384-394
458-474
400-420
162-171
332-340
365-379
248-257
116-126
53-62
113-121
99-106
128-140
152-163
275-283
101-112
137-158
18-28
84-96
99-111
220-228
588-603
920-929

same?

K.TSAC~FEPSLDYM#VTK.I	758-772
R.MC~HPSIEGFTPR.L	815-826
K.ILLNAC*C~PGWVR.T	220-231
K.IC^EPGYSPTYK.Q	210-220
R.GQDHC^GIESEVVAGIPR.T	315-331
R.YSVFRPGVLLC~DR.Q	162-174
K.C~VVVGDGAVGK.T	16-Jun
K.TC~LLISYTTNK.F	17-27
K.YVEC~SALTQK.G	154-163
K.HELQANC~YEEVKDR.C	133-146
R.GC^GEQTMIIYLAPTLAASR.Y	1009-1026
K.GLC~VATPVQLR.V	818-828
R.VDVQAGAC~EGK.L	560-570
-.PSETPQAEVGP TGC~PHR.S	17-Jan
R.RVVVLC^GHDAVR.E	77-88
R.NC^FGEGLAR.M	438-446
R.IC~LGEGIAR.A	435-443
R.MC~MGEGLAR.M	434-442
R.IC~VGEGLAR.M	434-442
R.SPC^MQDR.S	336-342
R.IC^AGEGLAR.M	434-442
R.C~LVEELRK.T	151-158
R.AC~LGEPLAR.M	442-450
R.VKEHHQSLDPNC^PR.D	250-263
R.DLTDC^LLVEM#EK.E	264-275
K.LC^VIPR.S	487-492
R.VKEHHQSLDPNC~PR.D	250-263
K.EC^YSVFTNR.E	96-104
R.C*C~TQDIVLPDGR.V	401-412
R.C~IGEVLAK.W	458-465
K.SEFYANEAC~K.R	331-340
K.KPC^ITYGLR.G	203-211
K.GFLVFAGC^LM#K.D	79-89
R.TVQLNVC^SSEEVEK.V	109-122
K.FGVEAFSDC^LR.Y	213-223
R.LC~AAAASILGK.P	23-33
R.GIALQLC~K.A	22-29
R.C~YQLPPGAR.G	223-231
R.VTC~LDPNPHFEK.F	94-105
R.LKTEGSDLC~DR.V	537-547
R.ANC~EPQTYGIGLK.E	264-276
K.STLTDSLVC~K.A	33-42
R.HYAHTDC~PGHADYVK.N	121-135
K.GDEC~ELLGHSK.N	287-297
K.AIVIC^GAEGK.F	47-56
R.RQHPGC~LAQEAC*VR.A	222-235
R.DPETLVGYSM#VGC^QR.A	123-137
R.LGM#LSPEGTC^K.A	203-213
K.ADEASELAC~PTPK.E	2194-2206
R.TPC~TVSC*NIPVVSGK.E	225-239
R.VLVVGLGNSGC~DIATELSR.T	187-205
K.IC~GQSLANK.Y	247-255

R.YVAAAFPSAC~GK.T	313-324	
K.C~AVVDVPFGGAK.A	172-183	
K.ASC~LYGQLPK.F	46-55	
R.VPTANVSVVDLTC~R.L	238-251	
K.IISNASC~TTNC*LAPLAK.V	145-161	
R.SPDDSC~NQLTK.F	559-569	
R.FSC^DVAEGK.Y	257-265	
R.YGGEPVGSFVQPC~LR.P	596-610	
R.TFVSGAC~DASIK.L	198-209	
K.YVMLPVADQDQC^IR.H	298-311	
K.SPVGVQPILNEHTFC~AGMSK.Y	326-345	
K.SC~AVAEYGVYVK.V	322-333	
K.C^PFYAAEQDK.G	265-274	
K.GALEGSSC~PFR.T	275-285	
K.FNAHGDANTIVC~NSK.D		25-Nov
K.YNFFC~QGTR.T	131-139	
R.LIC~INDYEQHAK.S		16-May
K.ALVITLDTPVC~GNR.R	165-178	
R.VYC~GHEYTINNLK.F	169-181	
R.KC~VSPEEFTEIMNQR.E	453-467	
K.PLC~IEEVEVAPPK.A	21-33	
K.FC~LSPLTNLC*GK.I	104-115	
K.ALGATDC~LNPR.D	240-250	
K.FC*LSPLTNLC~GK.I	104-115	
K.VTPGSTC~AVFGLGGVGLSAVM#GC*K.A	195-218	
R.IQIATSLC~HTDATVIDSK.F	39-57	
R.VVVC~DINK.E	167-174	
K.VVNEINIEDLC^LTK.A	97-110	
R.C~ILTTVDPDTGVIDRK.Q	58-73	
K.GDVAEC~VR.N	225-233	
K.GVLLYGPPGC~GK.T	128-139	
R.GAC~YGADHDLGR.L	532-543	
K.ATILDLSC~NK.L	41-50	
R.AHTVLAASC~AR.H	96-106	
K.C^ATITPDEK.R	73-81	
K.SEGGFIWAC~K.N	261-270	
K.C~ATITPDEAR.V	113-122	
R.VILSSSTSC~LMPSK.L	107-120	
K.SYPLVC~IAK.E	385-393	
R.VIGSGC~NLDSAR.F	158-169	
K.PLKPPC~DLSMQSVEVAGSGGAR.R	50-71	
R.GIQVSNNGPC~LGSR.K	99-112	
R.NIVSDC~SAFVK.A	292-302	
R.GLAUSDNGPC^LGYR.K	84-97	
R.IVQAVVYSC^GAR.V	314-325	
K.GSFEELC~QNQVVR.E	604-616	
R.GVPGAIVNVSSQC~SQR.A	126-141	
R.AVTNHSVYC^STK.G	142-153	
R.GLATFC~LDK.D	154-162	
R.C^MALSTAVLVGEAK.K	317-330	
R.VC~NLIDSGTK.E	367-376	
R.KVFANPEDC~VAFGKGENAK.K	42-60	

K.C^LLLIQASSGESK.Y	136-148
K.YTGTLDLC~AK.K	149-157
K.LVMSYVAAVC~GK.G	113-124
R.EANSIIITPGYGLC^AAK.A	923-939
K.TC~DALQAK.V	1072-1079
R.VIAC~DGGGGALGHPK.V	84-98
R.VITVDGNIC^TGK.G	59-70
K.QC~VDHYNEVK.S	182-191
K.C~EVLQYSAR.E	253-261
K.STPYEC~GFDPMSPAR.V	34-48
R.IAIC~GAISTYNR.T	236-247
K.LPVGPPSHKLSNNYYC~TR.D	46-62
K.GVPVSEAEC~TAMGLR.S	71-85
R.VAFFVGGYC~VSK.Y	169-180
K.KGVLFVPGAFTPGC~SK.T	86-102
R.DFTPVC~TTELGR.A	42-53
K.DINAYNC^EEPTEK.L	85-97
K.SLALEWAC^SGIR.I	184-195
K.C~DEPILSNR.S	132-140
K.YNNC~WLAR.T	89-96
R.INISEGNC~PER.I	47-57
K.LVC~SGLLQASK.S	256-266
K.LSLLEVGC~GTGANFK.F	22-36
R.VTC~IDPNPNFEK.F	44-55
R.VGVDEYEGGC~R.F	671-681
R.DKLDPDMALC~R.N	485-495
K.C~LIATGGTPR.S	256-265
K.YRDC~LTESNLIK.V	551-562
K.HRPQVAIIC~GSGLGGLTDK.L	23-41
R.AC^TELGIR.T	55-62
R.ADFAQAC^QDAGVR.F	125-137
R.GLYAAFDC~TATMK.S	843-855
R.AGKPVIC~ATQMLESMIK.K	320-336
K.VHAC~GVNPNVETYIR.S	42-55
K.YLEC~SALTQR.G	154-163
R.HHC~PNTPIILVGTK.L	103-116
K.SC~LLHQFTEK.K	25-34
K.VVLLGEGC~VGK.T	22-32
K.SC~LLLQFTDKR.F	20-30
R.AQAWC~YSK.N	139-146
K.NC~MTDLLAK.L	17-25
K.DYVTGGAC~PSK.A	23-33
K.TC^LLIVFSK.D	19-27
K.LVIVGDGAC~GK.T	18-Aug
R.C^LALATHDNPLR.R	560-571
R.DAC~LNAR.C	667-673
R.GAQVIENC~PVTGIR.V	228-241
R.FASGGC^DNLIK.L	176-186
R.AVLEALGSC~LNNK.Y	60-72
K.LIIAGTSC^YSR.N	197-207
K.VYQHQQVANC~R.A	326-336
R.IGLLGC~NATR.E	361-370

K.YAGLSTC~FR.Q	294-302
R.AVLLVGLC^DSGK.T	66-77
K.NTPSFLIAC~NK.Q	171-181
K.VEFLEC~SAK.G	241-249
R.LGPNYLHIPvNC~PYR.A	67-81
R.AC~QAAWALK.A	157-165
K.LGC~PTAWINPHGR.G	202-214
K.ADAEC~YTAM#K.I	258-267
K.SC~AEWVLSK.A	75-84
K.VIQC~FAETGQVQK.I	487-499
R.IHEGC~EEPATHNALAK.I	865-880
R.LGLDSLc~PFSPK.E	307-318
R.MGALDVC~PFIPVR.G	85-97
K.MININILSVC~K.M	157-167
K.YVFITGC^DSGFGK.L	31-43
R.VLAAC~LTEK.G	56-64
R.VSLFGGGYC~ISK.Y	169-180
R.FFLGDLC^SR.Q	80-88
R.VGSVLQEGC~GK.I	528-538
K.C~GPMVLDALIK.I	68-78
K.SLC~LGPALIHAK.F	105-117
R.NTGQTC~VC*SNQFLVQR.G	335-350
K.WASGLTPAQNC~PR.A	105-117
K.VDC*TAHSDVC^SAQGVR.G	119-134
K.KNEPPLTC~PYSK.A	287-299
K.LQNNC~TSSITR.Q	43-53
K.TGIEQGS DAGYLC^ESQK.F	310-326
R.C~LAPMMSEVIR.I	550-560
K.KVDLSQPLIATC~R.K	237-249
R.SIQFVDWC~PTGFK.V	340-352
K.LTTPTYGDLNHLVSATMSGVTTC~LR.F	217-241
K.NMMAAC^DPR.H	298-306
R.EIVHLQAGQC~GNQIGAK.F	19-Mar
K.ASVGFGGSC~FQK.D	268-279
K.GTQC~PNPSSYIPK.L	184-196
R.C~C*VELLHNEALIR.H	127-139
R.YLC~NIPQQPEDR.T	388-399
K.GEVGLLVC~K.I	420-428
K.NC~IDITGVR.L	238-246
K.YQIDPDAC~FSAK.V	225-236
K.VC~NYGLTFTQK.W	64-74

Displayed: 1320

HLM-BMCC adducts: 223 peptides in 151 proteins (ER:81/49)
Data of 102305,111205,120805,122005 and 122205 (updated 04/26/06a)

Proteins with 5+ sequence positions overlapped in at least 3 groups

protein	Swiss Prot ID	peptide	sequence	Localization
10-formyltetrahydrofolate dehydrogenase [Homo sapiens]	UniRef100_Q75891	R.GNDKVPGAWTEAC-EQK.L	226-241	CYT
17-beta hydroxysteroid dehydrogenase [Homo sapiens]	UniRef100_Q86W23	R.GVEETAEC-R.K	72-81	Secreted
17-beta hydroxysteroid dehydrogenase [Homo sapiens]	UniRef100_Q86W23	R.KLGVTAAHAYVDC~SNREEIYR.S	82-102	Secreted
17-beta hydroxysteroid dehydrogenase isoform 1 [Homo sapiens]	UniRef100_Q86W22	K.TSC-LC*PVFVNTGFTK.N	177-191	Secreted
21 kDa protein [Homo sapiens]	UniRef100_UPI000013DD0C	K.YVEC-SALTKK.G	154-163	?
24 kDa protein [Homo sapiens]	UniRef100_UPI000013E8C2	K.VLC-LAVAVGHVK.M	158-169	?
24-dehydrocholesterol reductase precursor [Homo sapiens]	UniRef100_Q15392	R.SVHGFMLYADC~YMNR.E	463-478	ER-M
3-ketoacyl-CoA thiolase, mitochondrial [Homo sapiens]	UniRef100_P42765	R.EEC-DKYALQSQQR.W	177-189	MT, ER
60S acidic ribosomal protein P0 [Homo sapiens]	UniRef100_P05388	K.C~FIVGADNVGSK.Q	27-38	CYT
60S ribosomal protein L7 [Homo sapiens]	UniRef100_P18124	K.YGIIC-MEDLIHEIYTVGK.R	182-199	CYT
7-dehydrocholesterol reductase [Homo sapiens]	UniRef100_Q9UBM7	K.VIEC~SYTSADGQR.H	377-389	ER
Acyl-coenzyme A oxidase 2, peroxisomal [Homo sapiens]	UniRef100_Q99424	R.KVESIHSYPEFSC~K.D	52-66	Peroxisome
Adenylate kinase 2 [Homo sapiens]	UniRef100_Q5TIF7	R.LAENFC~VC*HLATGDMLR.A	35-51	MT
ADP,ATP carrier protein, liver isoform T2 variant [Homo sapiens]	UniRef100_Q59E19	R.KGADIMYTGTVDC~WR.K	270-284	MT
Alcohol dehydrogenase 6 [Homo sapiens]	UniRef100_P28332	K.AQELGATEC~LNPQDLK.K	233-248	CYT
Alcohol dehydrogenase IB (Class I), beta polypeptide [Homo sapiens]	UniRef100_Q4ZG19	K.ELGATEC~INPQDYK.K	235-248	CYT, ER
Alcohol dehydrogenase IB (Class I), beta polypeptide [Homo sapiens]	UniRef100_Q4ZG19	K.MVAVGIC~R.T	41-48	CYT, ER
Alcohol dehydrogenase IB (Class I), beta polypeptide [Homo sapiens]	UniRef100_Q4ZG19	K.NPESNYC~LK.N	106-114	CYT, ER
Alcohol sulfotransferase [Homo sapiens]	UniRef100_Q06520	K.SGTNWLAEILC~LMHSK.G	44-59	CYT
Alkyldihydroxyacetonephosphate synthase, peroxisomal precursor [Homo sapiens]	UniRef100_Q00116	R.IPDIVLWPTC~HDDVVK.I	205-220	Peroxisome
Alpha enolase, lung specific [Homo sapiens]	UniRef100_Q05524	K.VNIGSVTESLQAC~K.L	365-379	CYT
Alpha-actinin 4 [Homo sapiens]	UniRef100_Q43707	K.IC~DQWDALGSLTHSR.R	498-512	CYT/Nuc
Alpha-tocopherol transfer protein [Homo sapiens]	UniRef100_P49638	R.AEC~PEISADLHPR.S	78-90	CYT
Annexin A6 [Homo sapiens]	UniRef100_P08133	R.LIVGLMRPPAYC~DAK.E	84-98	CYT
ATP synthase alpha chain, mitochondrial precursor [Homo sapiens]	UniRef100_P25705	K.LYC~IYVAIGQK.R	242-252	MT
ATP synthase gamma chain, mitochondrial precursor [Homo sapiens]	UniRef100_P36542	R.GLC~GAHSSIAK.Q	101-112	MT
ATP synthase oligomycin sensitivity conferral protein, mitochondrial precursor [Homo sapiens]	UniRef100_P48047	R.GEVPC~TVTSASPLEEATLSELK.T	137-158	MT
Beta enolase [Homo sapiens]	UniRef100_P13929	K.VNIGSVTESIQAC~K.L	343-357	CYT
C-1-tetrahydrofolate synthase, cytoplasmic (C1-THF synthase)	UniRef100_P11586	K.C~THWAEQGGK.G	784-792	CYT
Calpain-2 catalytic subunit [Homo sapiens]	UniRef100_P17655	K.RPTEIC~ADPQFIIGGATR.T	76-93	CYT
Calreticulin precursor [Homo sapiens]	UniRef100_P27797	K.HEQNIDC~GGGYVK.L	99-111	ER
Calreticulin precursor [Homo sapiens]	UniRef100_P27797	R.C~KDDFETHLYTLVLRPNDTYEVK.I	163-185	ER
Carbamoyl-phosphate synthase [ammonia], mitochondrial pre	UniRef100_P31327	K.TSAC~FEPGLDYMVTK.I	758-772	MT
Carbamoyl-phosphate synthase [ammonia], mitochondrial pre	UniRef100_P31327	K.VVAVDC~GIK.N	220-228	MT
Carbamoyl-phosphate synthase [ammonia], mitochondrial pre	UniRef100_P31327	R.MC~HPSIEGFTPR.L	815-826	MT
Carbonyl reductase [NADPH] 1 (EC 1.1.1.184) (NADPH-depe	UniRef100_P16152	K.IILNAC~C~PGWVR.T	220-231	CYT
Catechol O-methyltransferase [Homo sapiens]	UniRef100_P21964	R.IILNHVQLHAEPGNAQSVLEAIDTYC~EQK.I	59-86	CYT/ER
Cathepsin B precursor [Homo sapiens]	UniRef100_P07858	R.GQDHC~GIESEVAGIPR.T	315-331	lysosome
CC3 [Homo sapiens]	UniRef100_Q15383	R.YSVFRPGVLLC~DR.Q	162-174	CYT/NUC
Cell division control protein 42 homolog [Homo sapiens]	UniRef100_P60953	K.C~VVVGDGAVGK.T	38884	plasma memb
Cell division control protein 42 homolog [Homo sapiens]	UniRef100_P60953	K.TC~LLISYTTNK.F	17-27	plasma memb
Cell division cycle 42 [Homo sapiens]	UniRef100_Q90694	K.YVEC~SALTQK.G	154-163	nuc?
CYP2C9 protein [Homo sapiens]	UniRef100_Q61RV8	R.SIEDC~VQEEAR.C	140-150	ER
Cytochrome c1, heme protein, mitochondrial precursor [Homo sapiens]	UniRef100_P08574	R.HLVGVC~YTEDEAK.E	134-146	MT
Cytochrome c-type heme lyase [Homo sapiens]	UniRef100_P53701	K.WEALHAAEC~PC~GPSLIR.F	168-184	MT
Cytochrome P450 2A6 (EC 1.14.14.1) (CYP1A6) (Coumarin 7	UniRef100_P115109	R.RVVVLC~GHDAVR.E	77-88	ER
Cytochrome P450 2C8 [Homo sapiens]	UniRef100_P10632	R.VQEEAHC~LVEELR.K	145-157	ER
Cytochrome P450 2C9 (EC 1.14.13.80) ((R)-limonene 6-mon	UniRef100_P11712	R.C~LVEELRK.T	151-158	ER
Cytochrome P450 2E1 [Homo sapiens]	UniRef100_P05181	R.VC~AGEGLAR.M	436-444	ER
Cytochrome P450 2E1 [Homo sapiens]	UniRef100_P05181	R.DLTDC~LLVEMEKEK.H	264-277	ER
Cytochrome P450 2E1 [Homo sapiens]	UniRef100_P05181	R.VKEHHQSLDPNC~PR.D	250-263	ER
Cytochrome P450-1A2 [Homo sapiens]	UniRef100_Q9UK49	R.C~EHVQAR.L	504-510	ER
Cytochrome P450-1A2 [Homo sapiens]	UniRef100_Q9UK49	R.C~IGEVLAK.W	458-465	ER
Cytochrome P450-1A2 [Homo sapiens]	UniRef100_Q9UK49	R.RLAQNALNTFSIASDPASSSSC~YLEEHV.S	138-167	ER
D-beta-hydroxybutyrate dehydrogenase, mitochondrial precur	UniRef100_Q02338	K.AVLVTGC~DSGFGFLAK.H	57-73	MT
D-beta-hydroxybutyrate dehydrogenase, mitochondrial precur	UniRef100_Q02338	K.GFLVFAGC~LMK.D	79-89	MT
D-beta-hydroxybutyrate dehydrogenase, mitochondrial precur	UniRef100_Q02338	K.METYC~SSGSTDTSPVIDAVTHALTATTPY	284-314	MT
D-beta-hydroxybutyrate dehydrogenase, mitochondrial precur	UniRef100_Q02338	K.FGVEAFSDC~LR.Y	213-223	MT
D-beta-hydroxybutyrate dehydrogenase, mitochondrial precur	UniRef100_Q02338	R.TVQLNVC~SSEVEK.V	109-122	MT
Dehydrogenase/reductase SDR family member 1 [Homo sapiens]	UniRef100_Q96LJ7	K.LAADC~AHEL.R	173-182	MT
Dehydrogenase/reductase SDR family member 1 [Homo sapiens]	UniRef100_Q96LJ7	R.GIALQLC~K.A	22-29	MT
Dehydrogenase/reductase SDR family member 1 [Homo sapiens]	UniRef100_Q96LJ7	R.VVAQEAQSLGGQC~VPVVC~DSSQSESEV.F	46-72	MT
Delta(14)-sterol reductase [Homo sapiens]	UniRef100_Q76062	K.YGLAWQEYC~R.R	398-407	ER
DILV594 [Homo sapiens]	UniRef100_Q6UX53	R.VTC~LDPNPHFEK.F	94-105	CYT
Dimethylaniline monooxygenase [N-oxide-forming] 3 [Homo sapiens]	UniRef100_P31513	K.LAMEVYFGPC~SPYQFR.L	456-471	ER
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase	UniRef100_P04843	K.VAC~ITEQVTLVKNR.I	475-489	ER
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase	UniRef100_P04843	R.LKTEGSDLC~DR.V	537-547	ER
Electron transfer flavoprotein beta-subunit [Homo sapiens]	UniRef100_P38117	K.HSM#NPFCA~EIAVEEAVR.L	36-51	MT
Electron transfer flavoprotein-ubiquinone oxidoreductase, m	UniRef100_Q16134	K.AAQIGAHTLSGAC~LDPGAFK.E	106-125	MT
Electron transfer flavoprotein-ubiquinone oxidoreductase, m	UniRef100_Q16134	R.ANC~EPQTYGIGLK.E	264-276	MT
Endoplasmic reticulum protein ERp29 precursor [Homo sapiens]	UniRef100_P30040	K.GQGVYLGMPGC~LPVYDALAGEFIR.A	147-170	ER
Endoplasmic reticulum protein ERp29 precursor [Homo sapiens]	UniRef100_P14625	R.LTESPC~ALVASQYGSWGNMER.I	640-660	ER
Enoyl-Coenzyme A, hydratase(3-hydroxyacyl) Coenzyme A de	UniRef100_Q58E25	K.KIGVVVGNCC~FGVGNR.M	468-483	MT
Epoxide hydrolase 1 [Homo sapiens]	UniRef100_P07099	K.NHGLSDEHVFEVIC~PSIPGYGFSEASSK.I	169-196	ER

Esterase D [Homo sapiens]	UniRef100_P10768	K.VFEHDSVELNC-K.M	18-29	CYT
F-actin capping protein beta subunit [Homo sapiens]	UniRef100_P47756	K.GC*WDSIHVVEVQEK.S	145-158	Nuc
Fatty aldehyde dehydrogenase [Homo sapiens]	UniRef100_P51648	R.EKDILTAIADLC-K.S	38-51	ER
Fibrinogen gamma chain precursor [Homo sapiens]	UniRef100_P02679	K.C-HAGHLNGVYYQGGTYSK.A	365-382	Secreted
Flavin containing monoxygenase 3 isoform 2 variant [Homo sapiens]	UniRef100_Q53FW5	K.EPVFNDELPAISILC-GIVSVKPNVK.E	281-304	ER
Flavin containing monoxygenase 3 isoform 2 variant [Homo sapiens]	UniRef100_Q53FW5	K.ESAVFDAMVVC-SGHHVYPNLPK.K	136-157	ER
Flavin containing monoxygenase 3 isoform 2 variant [Homo sapiens]	UniRef100_Q53FW5	R.KEPVFNDELPAISILC-GIVSVKPNVK.E	280-304	ER
Flavin containing monoxygenase 3 isoform 2 variant [Homo sapiens]	UniRef100_Q53FW5	R.VLVVGLGNSGC-DIATELSR.T	187-205	ER
Flavin containing monoxygenase 5 variant [Homo sapiens]	UniRef100_Q53H53	K.IC~GQSLANK.Y	247-255	ER
Flavin containing monoxygenase 5 variant [Homo sapiens]	UniRef100_Q53H53	K.LALHLLGPC~TPIHYR.V	459-474	ER
FTCD protein [Homo sapiens]	UniRef100_Q86V03	K.TQAALVLDL~LETR.Q	540-552	CYT
Galphai2 protein [Homo sapiens]	UniRef100_Q6B6N3	K.IHHSPLTIC*FPEYTGANK.Y	279-296	CYT
Galphai2 protein [Homo sapiens]	UniRef100_Q6B6N3	K.IIHEDGYSEEEC~R.Q	55-67	CYT
Galphai2 protein [Homo sapiens]	UniRef100_Q6B6N3	R.LWADHGVCAC~FGR.S	131-143	CYT
Gamma-glutamyltransferase 5 precursor (EC 2.3.2.2) (Gamm	UniRef100_P36269	K.GC*VEYEPNFSQEVQR.G	528-542	plasma memb
Glutamic-oxaloacetic transaminase 1, soluble [Homo sapiens]	UniRef100_Q5VW80	R.TDDC~HPWVLPVVK.K	43-55	CYT
Glutamyl-tRNA synthetase [Homo sapiens]	UniRef100_P47897	R.VGVTVAAQTMEPHLEAC~VR.D	539-558	CYT
Glyceraldehyde-3-phosphate dehydrogenase, liver [Homo sapiens]	UniRef100_UPI000051AD9D	R.VPTANVSVVDLTC~R.L	238-251	CYT
Glyceraldehyde-3-phosphate dehydrogenase, muscle [Homo sapiens]	UniRef100_P00354	K.IISNASC~TTNC*LAPLAK.V	145-161	CYT
Glycogen [starch] synthase, liver [Homo sapiens]	UniRef100_P54840	K.GDLWEAC~SVGIPYHDR.E	132-147	CYT
Glycogen [starch] synthase, liver [Homo sapiens]	UniRef100_P54840	K.TQVEQC~EPVNDAVR.R	76-89	CYT
Glycogen [starch] synthase, liver [Homo sapiens]	UniRef100_P54840	R.YLC~AANIDFYNHLDK.F	212-226	CYT
Glycogen debranching enzyme (Glycogen debrancher) [Includ	UniRef100_P35573	R.FSC*DVAEQK.Y	257-265	CYT
Glycogen debranching enzyme (Glycogen debrancher) [Includ	UniRef100_P35573	R.LINYHQEQAVNC~LLGNVFYER.L	388-408	CYT
Glycogen debranching enzyme (Glycogen debrancher) [Includ	UniRef100_P35573	R.VGADNHVPLDLC~VTLQTFLLAK.C	115-135	CYT
Guanine nucleotide binding protein (G protein), alpha inhib	UniRef100_Q5TZX1	K.IIHEDGYSEDEC~K.Q	55-67	ER
Haptoglobin precursor [Homo sapiens]	UniRef100_P00738	K.YVMLPVADQDQC~IR.H	298-311	CYT
Haptoglobin precursor [Homo sapiens]	UniRef100_P00738	K.SPVGVQPILNEHTFC~AGMSK.Y	326-345	CYT
Haptoglobin-related protein precursor [Homo sapiens]	UniRef100_P00739	K.SC*VAEYGVYV.V	322-333	CYT
Histamine N-methyltransferase [Homo sapiens]	UniRef100_P50135	K.VQAQYPGVC~INNEVVEPSAEQIAK.Y	74-97	CYT
Histamine N-methyltransferase [Homo sapiens]	UniRef100_P50135	R.FLNHSTEHQC~MQEFMDK.K	22-38	CYT
HLBP14=14-kDa laminin binding protein [Homo sapiens]	UniRef100_Q9UDK5	K.FNAHGDANTIVC~NSK.D	390-46	CYT
Hydroxyacid oxidase 1 [Homo sapiens]	UniRef100_Q9UJM8	R.LIC~INDYEQHAK.S	388-53	Peroxisome
Hydroxymethylglutaryl-CoA lyase, mitochondrial precursor [H	UniRef100_P35914	K.NINC~SIEESFQR.F	138-149	MT
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	K.ALGATDC~LNPR.D	240-250	CYT
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	K.GGVDFALDC~AGGSETMK.A	266-282	CYT
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	R.QIIATSLC~HTDATVIDSK.F	39-57	CYT
Hypothetical protein DKFZp666L095 [Homo sapiens]	UniRef100_Q658M8	K.TAIHTAAMDMLGGPGIESQC~R.K	122-142	?
Hypothetical protein DKFZp686I18125 [Homo sapiens]	UniRef100_Q6MZI3	R.QAEKVIDGTPC*DNQNGTAIC*VSGQCK.S	158-182	Nuc
Hypothetical protein FLJ23841 [Homo sapiens]	UniRef100_Q8TE79	R.VVTC~EVDAQPPPELGR.P	130-144	nuc?
Hypothetical protein DKFZp686G04235	UniRef100_Q59ED7	K.EVGETLLYGC~R.R	565-576	?
Hypothetical protein PRO1855 [Homo sapiens]	UniRef100_Q96AG4	K.ATILDLSK~NK.L	41-50	?
Hypothetical protein PSEC0029 [Homo sapiens]	UniRef100_Q8NBQ5	K.VHTFVDDC~SNR.E	87-97	MT
IIVB (Bacterial acetolactate synthase)-like isoform 1 varia	UniRef100_Q59GP4	K.KADVIVLAGTVC~DFR.L	337-351	?
Lanosterol synthase [Homo sapiens]	UniRef100_P48449	K.C~PHVTEHIPR.E	471-480	CYT
Liver carboxylesterase 1 precursor [Homo sapiens]	UniRef100_P23141	K.GDVKPLAEQIATAGC*K.T	259-275	ER
Liver carboxylesterase 1 precursor [Homo sapiens]	UniRef100_P23141	K.SYPLVC~IAK.E	385-393	ER
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121	R.VVEC~VMLC*HGAK.I	329-340	ER
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121	R.GIQVSNNGPC~LGSR.K	99-112	ER
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121	K.ATENTVNPC~PDDTLISFLPLAHMFER.V	303-328	ER
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121	K.PLKPPC~DLMSQSVVAGSGGAR.R	50-71	ER
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121	R.GFEFSFEELC~R.N	616-626	ER
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121	R.RKPKPPAPEDLAVIC~FTSGTTGNPK.G	260-284	ER
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121	R.VVEC~VMLC*HGAK.I	329-340	ER
Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5	K.C~VEHAYEPTDDVAISYLPLAHMFER.I	288-313	ER
Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5	K.ADIAMVIC~DTPQK.A	178-190	ER
Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5	K.GSFEELC~QNQVVR.E	604-616	ER
Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5	R.IVQAVVYSC~GAR.V	314-325	ER
Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5	R.KPVPPSPEDLSVIC~FTSGTTGDPK.G	246-269	ER
MAWD binding protein [Homo sapiens]	UniRef100_P30039	K.LHPTDNFAQSSC~FGLR.W	53-68	CYT
Membrane associated progesterone receptor component 2 [H	UniRef100_O15173	R.GLATFC~LDK.D	154-162	ER
MGLL protein [Homo sapiens]	UniRef100_Q6IBG9	R.NKTEVDIYNSDPLIC~R.A	197-212	ER
Microsomal glutathione S-transferase 1 [Homo sapiens]	UniRef100_P10620	R.KVFANPEDC~VAFGK.G	42-55	ER
Microsomal triglyceride transfer protein large subunit prec	UniRef100_P55157	R.FLYAC~GFASHPNEELLR.A	393-409	ER
Mitochondrial carnitine/acylcarnitine carrier protein [Homo	UniRef100_O43772	K.C~LLQIQAASSGESK.Y	136-148	MT
Mitochondrial carnitine/acylcarnitine carrier protein [Homo	UniRef100_O43772	K.YTGTLDLDC~AK.K	149-157	MT
Mitochondrial carnitine/acylcarnitine carrier protein [Homo	UniRef100_O43772	R.LQTQPPSLPGQPPMYSGTDFDC~FR.K	38-60	MT
Mitochondrial dicarboxylate carrier [Homo sapiens]	UniRef100_Q9UBX3	K.GEYQGVFHC~AVETAK.L	232-246	MT
Mitochondrial glutamate carrier 1 (Glutamate/H(+)) symporter	UniRef100_Q9H936	R.GVNEDTYSGILDLC~AR.K	259-273	MT
NAD(P) transhydrogenase, mitochondrial precursor [Homo sa	UniRef100_Q13423	K.TC~DALQAK.V	1072-1079	MT
NAD(P) transhydrogenase, mitochondrial precursor [Homo sa	UniRef100_Q13423	R.EANSIIITPGYGLC~AAK.A	923-939	MT
NADH-ubiquinone oxidoreductase 42 kDa subunit, mitochond	UniRef100_O95299	K.C~EVLQYSAR.E	253-261	MT
NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochond	UniRef100_P28331	K.AVTEGAQAVEEPSIC^.-	713-727	MT
Novel protein [Homo sapiens]	UniRef100_Q5VT66	K.GVPVSEAEAC~TAMGLR.S	71-85	?
OTTHUMP00000028829 (KIAA1904) [Homo sapiens]	UniRef100_Q5R3F8	-.MLRGLCAAALLC*VC~R.P	387-33	plasma memb
Oxidative 3 alpha hydroxysteroid dehydrogenase [Homo sapi	UniRef100_O43275	K.YVFITGC~DSGFGNLLAR.Q	31-47	ER
Oxidoreductase [Homo sapiens]	UniRef100_O14756	R.VAFFVGGYC~VSK.Y	169-180	ER
Peroxioredoxin 4 [Homo sapiens]	UniRef100_Q13162	K.HGEVC~PAGWKPGSETIIPDPAGK.L	241-263	CYT/ER
Peroxioredoxin 4 [Homo sapiens]	UniRef100_Q13162	R.TREEEC~HFYAGGQVYPGEASR.V	46-66	CYT/ER

Peroxisomal multifunctional enzyme type 2 (MFE-2) (D-bifunc	UniRef100_P51659	K.IC~DFENASKPQSIQESTGSIIEVLSK.I	276-301	Peroxisome
Peroxisomal sarcosine oxidase [Homo sapiens]	UniRef100_Q9P0Z9	R.VEHQC~LSSEELK.Q	115-126	Peroxisome
Phosphatidylethanolamine-binding protein (PEBP) (Prostatic	UniRef100_P30086	K.C~DEPILSNR.S	132-140	ER
Phosphoenolpyruvate carboxykinase, mitochondrial precursor	UniRef100_Q16822	R.VLDWIC~R.R	554-560	MT
Phosphoenolpyruvate carboxykinase, mitochondrial precursor	UniRef100_Q16822	K.C~LHSVGGPLTGQGEVPSQWPC~NPEK.T	210-234	MT
Phosphoenolpyruvate carboxykinase, mitochondrial precursor	UniRef100_Q16822	K.VEC~VGDDIAWMR.F	323-334	MT
PIIB protein [Homo sapiens]	UniRef100_Q6IBH5	K.DVIIADC~GK.I	196-204	ER
PRO0066 [Homo sapiens]	UniRef100_Q9UHZ7	K.LSLLVEVC~GTGANFK.F	22-36	CYT
PRO0066 [Homo sapiens]	UniRef100_Q9UHZ7	R.VTC~IDPNPNFEK.F	44-55	CYT
Profilin 1 [Homo sapiens]	UniRef100_Q53Y44	K.C~YEMASHLR.R	128-136	CYT
Protein disulfide-isomerase A3 precursor [Homo sapiens]	UniRef100_P30101	K.FIQENIFGIC~PHMTEDNKDLIQGK.D	235-258	ER
Protein transport protein Sec23A [Homo sapiens]	UniRef100_Q15436	R.MVQVHELGC~EGISK.S	172-185	Golgi/ER
RAP1B, member of RAS oncogene family [Homo sapiens]	UniRef100_Q6DCA1	R.QWNNC~AFLESSAK.S	137-149	CYT
Ras-related protein Rab-2A [Homo sapiens]	UniRef100_P61019	K.SC~LLLQFTDK.R	20-29	ER/Golgi
S-adenosylmethionine synthetase alpha and beta forms [Horr	UniRef100_Q00266	K.IC~DQISDAVLDAHLK.Q	33-47	CYT
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (EC 3	UniRef100_P16615	K.TGTLTTNQMSVC~R.M	353-365	ER
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (EC 3	UniRef100_P16615	K.VGEATETALTC~LVEK.M	437-451	ER
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (EC 3	UniRef100_P16615	R.C~LALATHDNPLR.R	560-571	ER
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (EC 3	UniRef100_P16615	R.VEGDTC~SLNEFTITGSTYAPIGEVHK.D	372-397	ER
Serine--pyruvate aminotransferase [Homo sapiens]	UniRef100_P21549	R.IGLLGC~NATR.E	361-370	Peroxisome
Serum albumin precursor [Homo sapiens]	UniRef100_P02768	K.ALVLIAFAQYLQCC~PFEDHVK.L	45-65	Secreted
Serum albumin precursor [Homo sapiens]	UniRef100_P02768	R.RPC~FSALEVEDETYVPK.E	509-524	Secreted
Signal recognition particle receptor beta subunit [Homo sap	UniRef100_Q9Y5M8	K.VEFLEC~SAK.G	241-249	ER
Signal recognition particle receptor beta subunit [Homo sap	UniRef100_Q9Y5M8	R.AVLLVGLC~DSGK.T	66-77	ER
Similar to catalase [Homo sapiens]	UniRef100_Q8TAK2	R.LGPNYLHLPVNC~PYR.A	67-81	Peroxisome
SLC25A5 protein [Homo sapiens]	UniRef100_Q6NVC0	R.KGTDIMYGTGLDC~WR.K	270-284	MT
Solute carrier family 27 (Fatty acid transporter), member 5	UniRef100_Q59H28	K.LGC~PTAWINPHGR.G	202-214	ER
Solute carrier organic anion transporter family, member 1B1	UniRef100_Q9Y6L6	K.HFVPSAGADSETHC~-.	678-691	plasma memb
SPFH domain protein 2 precursor [Homo sapiens]	UniRef100_Q94905	K.ADAEC~YTAMK.I	258-267	ER
Splice isoform 2 of O75947 [Homo sapiens]	UniRef100_O75947-2	K.SC~AEVWSLSK.A	75-84	CYT
Splice isoform 2 of Q00610 [Homo sapiens]	UniRef100_Q00610-2	K.YGYIHLDYLETGTC~IYMNR.I	278-296	CYT
Splice isoform 2 of Q00610 [Homo sapiens]	UniRef100_Q00610-2	K.VIQC~FAETGQVQK.I	487-499	CYT
Splice isoform 2 of Q00610 [Homo sapiens]	UniRef100_Q00610-2	R.IHEGC~EEPATHNALAK.I	865-880	CYT
Splice isoform 2 of Q9H8Y8 [Homo sapiens]	UniRef100_Q9H8Y8-2	K.LYVYNTDITDNC~R.E	95-106	Golgi
Steroid dehydrogenase homolog [Homo sapiens]	UniRef100_Q53GQ0	K.MININILSVC~K.M	157-167	ER?
Steroid dehydrogenase homolog [Homo sapiens]	UniRef100_Q53GQ0	K.TFVDFFSQC~LHEEYR.S	207-221	ER?
Sterol/retinol dehydrogenase [Homo sapiens]	UniRef100_O75452	K.C~TQDLSLVTNC~MEHALIAC~HPR.T	257-278	ER
Sterol/retinol dehydrogenase [Homo sapiens]	UniRef100_O75452	R.VLAAC~LTEK.G	56-64	ER
Sterol/retinol dehydrogenase [Homo sapiens]	UniRef100_O75452	R.DKYVFITGC~DSGFGK.L	29-43	ER
Sterol/retinol dehydrogenase [Homo sapiens]	UniRef100_O75452	R.VSLFGGGYC~ISK.Y	169-180	ER
Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	UniRef100_Q15738	R.FFLGDLCS~SR.Q	80-88	ER
Stress-70 protein (GRP75), mitochondrial precursor [Homo sa	UniRef100_P38646	K.MEEFKDQLPADEC~NK.L	596-610	MT
Succinate dehydrogenase [ubiquinone] flavoprotein subunit,	UniRef100_P31040	R.AAFGLSEAGFNTAC~VTK.L	76-92	MT
Succinate dehydrogenase [ubiquinone] flavoprotein subunit,	UniRef100_P31040	R.GVIALC~IEDGSIHR.I	233-246	MT
Succinate dehydrogenase [ubiquinone] flavoprotein subunit,	UniRef100_P31040	R.TYFSC~TSAHTSTGDGTAMITR.A	262-282	MT
Succinate dehydrogenase [ubiquinone] flavoprotein subunit,	UniRef100_P31040	R.VGSVLQEGC~GK.I	528-538	MT
Succinate dehydrogenase [ubiquinone] iron-sulfur protein, m	UniRef100_P21912	K.C~GPMVLDALIK.I	68-78	MT
Succinate dehydrogenase [ubiquinone] iron-sulfur protein, m	UniRef100_P21912	R.C~HTIMNC~TR.T	243-251	MT
Succinate dehydrogenase cytochrome b560 subunit, mitoch	UniRef100_Q99643	K.SLC~LGPALHTAK.F	105-117	MT
Thioredoxin-dependent peroxide reductase, mitochondrial pre	UniRef100_P30048	K.AFYVETHGEVC~PANWTPDSPTIKPSPA	218-248	MT
Transmembrane protein induced by tumor necrosis factor alpi	UniRef100_Q9BXJ8	K.C~KPSLPAEAEAGAAQELNQM#K.E	68-88	ER
Tricarboxylate transport protein, mitochondrial precursor [	UniRef100_P53007	R.NTWDC~GLQILK.K	258-268	MT
Trifunctional enzyme alpha subunit, mitochondrial precursor	UniRef100_P40939	K.ALMGLYHGQVLC~K.K	338-350	MT
Trifunctional enzyme alpha subunit, mitochondrial precursor	UniRef100_P40939	K.TGIEQGSADAGYLC~ESQK.F	310-326	MT
Trifunctional enzyme alpha subunit, mitochondrial precursor	UniRef100_P40939	K.PGC~FIAGADINMLAAC~K.T	95-111	MT
Trifunctional enzyme alpha subunit, mitochondrial precursor	UniRef100_P40939	R.C~LAPM#MSEVIR.I	550-560	MT
TST protein [Homo sapiens]	UniRef100_Q6IB06	R.HVPGASFFDIEEC~R.D	52-65	MT?
Tubulin alpha-1 chain [Homo sapiens]	UniRef100_P68366	K.AYHEQLSVAEITNAC~FEPANQMVK.C	281-304	CYT
U1 Small Nuclear Ribonucleoprotein C [Homo sapiens]	UniRef100_UPI00005083FE	R.KDRKQKSYSSRLHPC~VGAACVRFQFLAA	18142	Nuc
UDP-glucuronosyltransferase 1-4 precursor, microsomal [Hor	UniRef100_P22310	R.C~C~VELLHNEALIR.H	127-139	ER
UDP-glucuronosyltransferase 2B15 precursor [Homo sapiens]	UniRef100_P54855	R.PFLPNVDFVGGGLHC~K.P	270-284	ER
Very long-chain acyl-CoA synthetase homolog 2 [Homo sapie	UniRef100_Q9Y2P5	K.FSTSC~FWDDC~R.Q	362-372	ER
Very long-chain acyl-CoA synthetase homolog 2 [Homo sapie	UniRef100_Q9Y2P5	K.FSTSC~FWDDC~R.Q	362-372	ER
Very long-chain acyl-CoA synthetase homolog 2 [Homo sapie	UniRef100_Q9Y2P5	R.PLTAEMYQAVC~EGTWR.L	674-689	ER
Very long-chain acyl-CoA synthetase homolog 2 [Homo sapie	UniRef100_Q9Y2P5	R.YLCC~NIPQQPEDR.T	388-399	ER
Very long-chain acyl-CoA synthetase [Homo sapiens]	UniRef100_O14975	K.GEVGLLVC~K.I	420-428	ER
Vesicular integral-membrane protein VIP36 precursor [Homo	UniRef100_Q12907	K.NC~IDITGVR.L	238-246	ER
Voltage-dependent anion channel 1 [Homo sapiens]	UniRef100_Q5FVE7	K.YQIDPDAC~FSAK.V	225-236	MT
YWHAG protein [Homo sapiens]	UniRef100_Q6FH52	K.NC~SETQYESK.V	111-120	CYT
Zinc finger X-linked protein ZXDA [Homo sapiens]	UniRef100_P98168	K.SRC~PISSCNKLFTSKHS#KTHMVKR.H	543-567	Nuc

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HLM-IAB adducts: 243 peptides in 182 proteins (ER: 64/47)

Data of 081505, 090805, 102305, 111305 and 120805 (updated 04/26/06a)

Proteins with 5+ sequence positions overlapped in at least 3 groups

protein	Swiss Prot ID	Peptide	Sequence	Location
10-formyltetrahydrofolate dehydrogenase [Homo sapiens]	UniRef100_Q75891	K.GENC-IAAGR.L	704-712	CYT
130 kDa leucine-rich protein [Homo sapiens]	UniRef100_P42704	R.C-VANNQVETLEK.L	809-820	CYT
17-beta hydroxysteroid dehydrogenase [Homo sapiens]	UniRef100_Q86W23	R.GVEETAEC^R.K	72-81	Secreted
17-beta hydroxysteroid dehydrogenase [Homo sapiens]	UniRef100_Q86W23	K.LGVTAHAYVDC^SNR.E	83-97	Secreted, ER
17-beta hydroxysteroid dehydrogenase isoform 1 [Homo sapiens]	UniRef100_Q86W22	K.TSC-LC^PVFVNTGFTK.N	177-191	Secreted, ER
21 kDa protein [Homo sapiens]	UniRef100_UPI00001	K.YVEC-SALTQK.G	154-163	?
24-dehydrocholesterol reductase precursor [Homo sapiens]	UniRef100_Q15392	R.GLEAIC-AK.F	247-254	ER-M
26S protease regulatory subunit 6B [Homo sapiens]	UniRef100_P43686	R.GVLM#YGPFGC-GK.T	201-212	CYT
3-ketoacyl-CoA thiolase, mitochondrial [Homo sapiens]	UniRef100_P42765	R.EEC-DKYALQSQQR.W	177-189	MT, ER
40S ribosomal protein S11 [Homo sapiens]	UniRef100_P62280	K.C-PFTGNVSR.G	60-69	CYT
40S ribosomal protein S17 [Homo sapiens]	UniRef100_P08708	R.VC^EEIAIIPSK.K	33-43	CYT
40S ribosomal protein S2 [Homo sapiens]	UniRef100_P15880	R.GC-TATLGNFAK.A	228-238	CYT
40S ribosomal protein S3 [Homo sapiens]	UniRef100_P23396	R.GLC-AIAQAESLR.Y	95-106	CYT
4-aminobutyrate aminotransferase, mitochondrial precursor	UniRef100_P80404	K.GVVLGGC-GDK.S	461-470	MT
60S acidic ribosomal protein P0 [Homo sapiens]	UniRef100_P05388	K.C-FIVGADNVGSK.Q	27-38	CYT
60S ribosomal protein L12 [Homo sapiens]	UniRef100_P30050	R.C-TGGEVGATSALAPK.I	17-31	CYT
7-dehydrocholesterol reductase [Homo sapiens]	UniRef100_Q9UBM7	K.VIEC-SYTSADGQR.H	377-389	ER
Acetyl-CoA acetyltransferase, mitochondrial precursor [Homo sapiens]	UniRef100_P24752	K.IHMGSC-AENTAK.K	191-202	MT
Acyl-CoA dehydrogenase, short/branched chain specific, mitochondrial	UniRef100_P45954	R.ASSTC-PLTFENVK.V	257-269	MT
Alcohol dehydrogenase 6 [Homo sapiens]	UniRef100_P28332	K.VVATGLC-GTEMK.V	41-52	CYT
Alcohol dehydrogenase IB (Class I), beta polypeptide [Homo sapiens]	UniRef100_Q4ZG19	K.MVAVGIC-R.T	41-48	CYT
Alcohol dehydrogenase IB (Class I), beta polypeptide [Homo sapiens]	UniRef100_Q4ZG19	K.NPESNYC-LK.N	106-114	CYT
Alcohol dehydrogenase IB (Class I), beta polypeptide [Homo sapiens]	UniRef100_Q4ZG19	K.VIPLFTPQC^GK.C	90-100	CYT
Alcohol dehydrogenase IB (Class I), beta polypeptide [Homo sapiens]	UniRef100_Q4ZG19	K.ELGATEC^INPQDYK.K	235-248	CYT, ER
Aldehyde dehydrogenase, mitochondrial precursor [Homo sapiens]	UniRef100_P05091	K.LLGC-GGGIAADR.G	384-394	MT
Aldehyde oxidase [Homo sapiens]	UniRef100_Q06278	R.ELC-ISYGGVGPATIC^AK.N	458-474	CYT
Aldehyde oxidase [Homo sapiens]	UniRef100_Q9BYF0	K.C-PNADLKPQEILVSNIPYSR.K	400-420	CYT
Aldo-keto reductase family 1 member C4 [Homo sapiens]	UniRef100_P17516	K.SIGVSNFNC-R.Q	162-171	CYT
Aldolase B, fructose-bisphosphate [Homo sapiens]	UniRef100_Q5T7D6	R.AMANC-QAAK.G	332-340	CYT
Alpha enolase, lung specific [Homo sapiens]	UniRef100_Q05524	K.VNQGFSVTESLQAC-K.L	365-379	CYT
Alpha-1-antitrypsin precursor [Homo sapiens]	UniRef100_P01009	R.LGMFNIQHC-K.K	248-257	secreted
Aminoacylase-1 [Homo sapiens]	UniRef100_Q03154	K.C-VSIQYLEAVR.R	116-126	CYT
Annexin A6 [Homo sapiens]	UniRef100_P08133	R.QRQEVQ-QSYK.S	53-62	CYT(stress fiber)
Annexin A6 [Homo sapiens]	UniRef100_P08133	K.C-LIEILASR.T	113-121	CYT(stress fiber)
Annexin IV variant [Homo sapiens]	UniRef100_Q59FK3	R.FLTVLC-SR.N	99-106	CYT
Argininosuccinate synthase [Homo sapiens]	UniRef100_P00966	K.FELSC-YSLAPQIK.V	128-140	CYT
ASGR1 protein [Homo sapiens]	UniRef100_Q6FGQ5	R.TC-C^PVNWWVEHER.S	152-163	plasma memb
ASGR1 protein [Homo sapiens]	UniRef100_Q6FGQ5	R.WVC^ETELDK.A	275-283	plasma memb
ATP synthase gamma chain, mitochondrial precursor [Homo sapiens]	UniRef100_P36542	R.GLC-GAIHSSIAK.Q	101-112	MT
ATP synthase oligomycin sensitivity conferral protein, mitochondrial	UniRef100_P48047	R.GEVPC^TVTSASPLEEATLSELK.T	137-158	MT
ATP-citrate synthase (EC 2.3.3.8) (ATP-citrate (pro-S)-lyase)	UniRef100_P53396	K.FIC^TTSAIQNR.F	18-28	CYT
Beta-globin gene from a thalassemia patient, complete cds	UniRef100_Q14473	K.GTFATLSELHC-DK.L	84-96	Secreted
Calreticulin precursor [Homo sapiens]	UniRef100_P27797	K.HEQNIDC-GGGYVK.L	99-111	ER
Carbamoyl-phosphate synthase [ammonia], mitochondrial p [Homo sapiens]	UniRef100_P31327	K.VVAVDC-GIK.N	220-228	MT
Carbamoyl-phosphate synthase [ammonia], mitochondrial p [Homo sapiens]	UniRef100_P31327	R.SAYALGGLGSGIC-PNR.E	588-603	MT
Carbamoyl-phosphate synthase [ammonia], mitochondrial p [Homo sapiens]	UniRef100_P31327	K.C^LGLTEAQR.E	920-929	MT
Carbamoyl-phosphate synthase [ammonia], mitochondrial p [Homo sapiens]	UniRef100_P31327	K.TSAC-FEPSLDYM^VTK.I	758-772	MT
Carbamoyl-phosphate synthase [ammonia], mitochondrial p [Homo sapiens]	UniRef100_P31327	R.MC-HPSIEGFTPR.L	815-826	MT
Carbonyl reductase [NADPH] 1 (EC 1.1.1.184) (NADPH-dependent)	UniRef100_P16152	K.ILLNAC^C-PGWVVR.T	220-231	CYT
Cathepsin B precursor [Homo sapiens]	UniRef100_P07858	K.IC^EPGYSPYK.Q	210-220	Lysosome
Cathepsin B precursor [Homo sapiens]	UniRef100_P07858	R.GQDHC^GIESEVVAGIPR.T	315-331	Lysosome
CC3 [Homo sapiens]	UniRef100_Q15383	R.YSVFRPGVLLC-DR.Q	162-174	CYT/NUC
Cell division control protein 42 homolog [Homo sapiens]	UniRef100_P60953	K.C-VVVGDGAVGK.T	38884	plasma memb
Cell division control protein 42 homolog [Homo sapiens]	UniRef100_P60953	K.TC-LLISYTTNK.F	17-27	plasma memb
Cell division cycle 42 [Homo sapiens]	UniRef100_Q90694	K.YVEC-SALTQK.G	154-163	? Nuclear
Cofilin 1 [Homo sapiens]	UniRef100_Q53Y87	K.HELQANC-YEEVKDR.C	133-146	CYT
Complement C4 precursor [Contains: C4a anaphylatoxin; C4b convertor]	UniRef100_P01028	R.GC^GEQTMILAPTLAASR.Y	1009-1026	secreted
Complement C4 precursor [Contains: C4a anaphylatoxin; C4b convertor]	UniRef100_P01028	K.GLC-VATPVQLR.V	818-828	secreted
Complement C4 precursor [Contains: C4a anaphylatoxin; C4b convertor]	UniRef100_P01028	R.VDVQAGAC-EGK.L	560-570	secreted
Cystathionine beta-synthase [Homo sapiens]	UniRef100_P35520	-PSETPQAEVGPATGC-PHR.S	38734	CYT
Cytochrome P450 2A6 (EC 1.14.14.1) (CYP1A6) (Coumarin 4-hydroxylase)	UniRef100_P11509	R.RVVVLC^GHDVAVR.E	77-88	ER
Cytochrome P450 2A6 (EC 1.14.14.1) (CYP1A6) (Coumarin 4-hydroxylase)	UniRef100_P11509	R.NC^FGEGLAR.M	438-446	ER
Cytochrome P450 2B6 [Homo sapiens]	UniRef100_P20813	R.IC-LGEGIAR.A	435-443	ER
Cytochrome P450 2C18 [Homo sapiens]	UniRef100_P33260	R.MC-MGEGLAR.M	434-442	ER
Cytochrome P450 2C19 (EC 1.14.13.80) ((R)-limonene 6-methyl oxidase)	UniRef100_P33261	R.IC-VGEGLAR.M	434-442	ER
Cytochrome P450 2C8 [Homo sapiens]	UniRef100_P10632	R.SPC^MQDR.S	336-342	ER
Cytochrome P450 2C8 [Homo sapiens]	UniRef100_P10632	R.IC^AGEGLAR.M	434-442	ER
Cytochrome P450 2C9 (EC 1.14.13.80) ((R)-limonene 6-methyl oxidase)	UniRef100_P11712	R.C-LVEELRK.T	151-158	ER

Cytochrome P450 2D6 [Homo sapiens]	UniRef100_P10635	R.AC~LGEPLAR.M	442-450	ER
Cytochrome P450 2E1 [Homo sapiens]	UniRef100_P05181	R.VKEHHQSLDPNC~PR.D	250-263	ER
Cytochrome P450 2E1 [Homo sapiens]	UniRef100_P05181	R.DLTDC~LLVEM#EK.E	264-275	ER
Cytochrome P450 2E1 [Homo sapiens]	UniRef100_P05181	K.LC~VIPR.S	487-492	ER
Cytochrome P450 2E1 [Homo sapiens]	UniRef100_P05181	R.VKEHHQSLDPNC~PR.D	250-263	ER
Cytochrome P450 3A3 [Homo sapiens]	UniRef100_P05184	K.EC~YVFTNR.E	96-104	ER
Cytochrome P450 4F3 (EC 1.14.13.30) (CYPIVF3) (Leukotr	UniRef100_Q08477	R.C~C~TQDIVLPDGR.V	401-412	ER
Cytochrome P450-1A2 [Homo sapiens]	UniRef100_Q9UK49	R.C~IGEVLAK.W	458-465	ER
Cytosolic acyl coenzyme A thioester hydrolase, inducible [H	UniRef100_Q86TX2	K.SEFYANEAC~K.R	331-340	CYT
Cytosolic nonspecific dipeptidase [Homo sapiens]	UniRef100_Q96KP4	K.KPC~TYGLR.G	203-211	CYT
D-beta-hydroxybutyrate dehydrogenase, mitochondrial prec	UniRef100_Q02338	K.GFLVFAGC~LM#K.D	79-89	MT
D-beta-hydroxybutyrate dehydrogenase, mitochondrial prec	UniRef100_Q02338	R.TVQLNVC~SSEEVEK.V	109-122	MT
D-beta-hydroxybutyrate dehydrogenase, mitochondrial prec	UniRef100_Q02338	K.FGVEAFSDC~LR.Y	213-223	MT
D-dopachrome tautomerase [Homo sapiens]	UniRef100_Q53Y51	R.LC~AAAASILGK.P	23-33	CYT
Dehydrogenase/reductase SDR family member 1 [Homo sa	UniRef100_Q96LJ7	R.GIALQLC~K.A	22-29	MT
Delta-aminolevulinic acid dehydratase [Homo sapiens]	UniRef100_P13716	R.C~YQLPPGAR.G	223-231	CYT
DILV594 [Homo sapiens]	UniRef100_Q6UX53	R.VTC~LDPNPHFEK.F	94-105	CYT
Dolichyl-diphosphooligosaccharide--protein glycosyltransfer	UniRef100_P04843	R.LKTEGSDLC~DR.V	537-547	ER
Electron transfer flavoprotein-ubiquinone oxidoreductase, m	UniRef100_Q16134	R.ANC~EPQTYGIGLK.E	264-276	MT
Elongation factor 2 [Homo sapiens]	UniRef100_Q58J86	K.STLTDLSVC~K.A	33-42	CYT
Elongation factor Tu, mitochondrial precursor [Homo sapien	UniRef100_P49411	R.HYAHTDC~PGHADYVK.N	121-135	MT
Elongation factor Tu, mitochondrial precursor [Homo sapien	UniRef100_P49411	K.GDEC~ELLGHSK.N	287-297	MT
Enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A c	UniRef100_Q58EZ5	K.AIVIC~GAEGK.F	47-56	MT
Enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A c	UniRef100_Q58EZ5	R.RQHPGC~LAQEC~VR.A	222-235	MT
Fatty acid synthase (EC 2.3.1.85) [Includes: [Acyl-carrier-	UniRef100_P49327	R.DPETHLVGYSM~VGC~QR.A	123-137	CYT
Fatty acid synthase (EC 2.3.1.85) [Includes: [Acyl-carrier-	UniRef100_P49327	R.LGM~LSPEGT~K.A	203-213	CYT
Fatty acid synthase (EC 2.3.1.85) [Includes: [Acyl-carrier-	UniRef100_P49327	K.ADEASELAC~PTPK.E	2194-2206	CYT
Fibrinogen beta chain precursor [Contains: Fibrinopeptide B	UniRef100_P02675	R.TPC~TVSC~NIPVVSQK.E	225-239	Secreted?
Flavin containing monooxygenase 3 isoform 2 variant [Hom	UniRef100_Q53FW5	R.VLVVGLGNSGC~DIATELSR.T	187-205	ER
Flavin containing monooxygenase 5 variant [Homo sapiens]	UniRef100_Q53H53	K.IC~GQSLANK.Y	247-255	ER
Full-length cDNA clone CS0DC022YA24 of Neuroblastoma	UniRef100_Q86U01	R.YVAAAFPSAC~GK.T	313-324	MT
Glutamate dehydrogenase 1, mitochondrial precursor [Hom	UniRef100_P00367	K.C~AVDVPFPGGAK.A	172-183	MT
Glutathione S-transferase pi [Homo sapiens]	UniRef100_Q5TZY3	K.ASC~LYGQLPK.F	46-55	CYT
Glyceraldehyde-3-phosphate dehydrogenase, liver [Homo s	UniRef100_UPI00005	R.VPTANVSVDLTC~R.L	238-251	CYT
Glyceraldehyde-3-phosphate dehydrogenase, muscle [Hom	UniRef100_P00354	K.IISNASC~TTNC~LAPLAK.V	145-161	CYT
Glycogen [starch] synthase, liver [Homo sapiens]	UniRef100_P54840	R.SPDSC~NQLTK.F	559-569	CYT
Glycogen debranching enzyme (Glycogen debrancher) [Incl	UniRef100_P35573	R.FSC~DVAEGK.Y	257-265	CYT
Glycogen debranching enzyme (Glycogen debrancher) [Incl	UniRef100_P35573	R.YGGEPVGSFVQPC~LR.P	596-610	CYT
Guanine nucleotide-binding protein G(i)/G(s)/G(t) beta sub	UniRef100_P62879	R.TFVSGAC~DASIK.L	198-209	CYT
Haptoglobin precursor [Homo sapiens]	UniRef100_P00738	Q.QIDMLPVADQDQC~NR.H	298-311	secreted
Haptoglobin precursor [Homo sapiens]	UniRef100_P00738	K.SPVGVQPILNHEFTFC~AGMSK.Y	326-345	secreted
Haptoglobin-related protein precursor [Homo sapiens]	UniRef100_P00739	K.SC~AVAIEGYVVK.V	322-333	secreted
Heme oxygenase 2 [Homo sapiens]	UniRef100_P30519	K.C~PFYAAEQDK.G	265-274	ER
Heme oxygenase 2 [Homo sapiens]	UniRef100_P30519	K.GALEGSSC~PFR.T	275-285	ER
HLBP14=14-kDa laminin binding protein [Homo sapiens]	UniRef100_Q9UDK5	K.FNAHGDANTIVC~NSK.D	39046	CYT
Homolog of yeast long chain polyunsaturated fatty acid elon	UniRef100_Q59EL3	K.YNFFC~QGTR.T	131-139	plasma membra
Hydroxyacid oxidase 1 [Homo sapiens]	UniRef100_Q9UJM8	R.LIC~INDYEQHAK.S	38853	Peroxisome
Hydroxyacid oxidase 2 [Homo sapiens]	UniRef100_Q5QP00	K.YVMLPVDQDQD~GNR.R	165-178	Peroxisome
Hydroxyacylglutathione hydrolase [Homo sapiens]	UniRef100_Q16775	R.VYC~GHEYTINNLK.F	169-181	CYT
Hydroxymethylglutaryl-CoA synthase, mitochondrial precurs	UniRef100_P54868	R.KC~VSPPEEFTEIMNQR.E	453-467	MT
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	K.PLC~IEEVEVAPPK.A	21-33	CYT
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	K.FC~LSPLTNLC~GK.I	104-115	CYT
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	K.ALGATDC~LNPR.D	240-250	CYT
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	K.FC~LSPLTNLC~GK.I	104-115	CYT
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	K.VTPGSTC~AVFGLGGVGLSAVM#G	195-218	CYT
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	R.IQIATSLC~HTDATVIDSK.F	39-57	CYT
Hypothetical protein DKFZp313K0719 [Homo sapiens]	UniRef100_Q5HYK3	R.VVVC~DINK.E	167-174	Nuc
Hypothetical protein DKFZp686A1586 [Homo sapiens]	UniRef100_Q7Z3D5	K.VVNEINIEDLC~LTK.A	97-110	ER
Hypothetical protein FLJ20605 [Homo sapiens]	UniRef100_Q9NWU0	R.C~ILTTVDPDTGVDRK.Q	58-73	?
Hypothetical protein FLJ23841 [Homo sapiens]	UniRef100_Q8TE79	K.GDVAEC~VR.N	225-233	Nuc
Hypothetical protein FLJ90742 [Homo sapiens]	UniRef100_Q8NBU5	K.GVLLYGPPGC~GK.T	128-139	Nuc
Hypothetical protein FLJ90780 [Homo sapiens]	UniRef100_Q8N2H5	R.GAC~YGADHDLGR.L	532-543	ER
Hypothetical protein PRO1855 [Homo sapiens]	UniRef100_Q96AG4	K.ATILDLSK~NK.L	41-50	?
Hypothetical protein PSEC0098 [Homo sapiens]	UniRef100_Q8NBN2	R.AHTVLAASC~AR.H	96-106	Golgi
Isocitrate dehydrogenase [NADP] cytoplasmic (EC 1.1.1.42)	UniRef100_Q75874	K.C~ATITPDEK.R	73-81	Peroxisome
Isocitrate dehydrogenase [NADP] cytoplasmic (EC 1.1.1.42)	UniRef100_Q75874	K.SEGGFIWAC~K.N	261-270	Peroxisome
Isocitrate dehydrogenase [NADP], mitochondrial precursor (	UniRef100_P48735	K.C~ATITPDEAR.V	113-122	MT
Lambda-crystallin homolog [Homo sapiens]	UniRef100_Q9Y2S2	R.VILSSSTSC~LMPSK.L	107-120	CYT
Liver carboxylesterase 1 precursor [Homo sapiens]	UniRef100_P23141	K.SYPLVC~IAK.E	385-393	ER
L-lactate dehydrogenase A-like 6A [Homo sapiens]	UniRef100_Q6ZMR3	R.VIGSGC~NLD SAR.F	158-169	ER
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121	K.PLKPPC~DLMSQSVVAGSGGAR.F	50-71	ER
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121	R.GIQVSNNGPC~LGSR.K	99-112	ER
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121	R.NIVSDC~SAFVK.A	292-302	ER

Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5	R.GLAVSDNGPC^LGYR.K	84-97	ER
Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5	R.IVQAVVYSC^GAR.V	314-325	ER
Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5	K.GSFEELC-QNQVVR.E	604-616	ER
L-xylulose reductase [Homo sapiens]	UniRef100_Q7Z4W1	R.GVPGAIVNVSSQC-SQR.A	126-141	CYT
L-xylulose reductase [Homo sapiens]	UniRef100_Q7Z4W1	R.AVTNHSVYC^STK.G	142-153	CYT
Membrane associated progesterone receptor component 2	UniRef100_O15173	R.GLATFC-LDK.D	154-162	ER
Methylmalonate-semialdehyde dehydrogenase [acylating], r	UniRef100_Q02252	R.C^MALSTAVLVGEAK.K	317-330	MT
Methylmalonate-semialdehyde dehydrogenase [acylating], r	UniRef100_Q02252	R.VC-NLIDSGTK.E	367-376	MT
Microsomal glutathione S-transferase 1 [Homo sapiens]	UniRef100_P10620	R.KVFANPEDC-VAFGKGENAK.K	42-60	ER
Mitochondrial carnitine/acylcarnitine carrier protein [Homo	UniRef100_O43772	K.C^LLQIQASSGESK.Y	136-148	MT
Mitochondrial carnitine/acylcarnitine carrier protein [Homo	UniRef100_O43772	K.YTGTLDLC-AK.K	149-157	MT
Myosin Ia [Homo sapiens]	UniRef100_Q9UBC5	K.LVMSYVAAVC-GK.G	113-124	CYT
NAD(P) transhydrogenase, mitochondrial precursor [Homo	UniRef100_Q13423	R.EANSIITPGYGLC^AAK.A	923-939	MT
NAD(P) transhydrogenase, mitochondrial precursor [Homo	UniRef100_Q13423	K.TC-DALQAK.V	1072-1079	MT
NADH-ubiquinone oxidoreductase 13 kDa-A subunit, mitoch	UniRef100_O75380	R.VIAC-DGGGGALGHPK.V	84-98	MT
NADH-ubiquinone oxidoreductase 42 kDa subunit, mitoch	UniRef100_O95299	R.VITVDGNIC^TGK.G	59-70	MT
NADH-ubiquinone oxidoreductase 42 kDa subunit, mitoch	UniRef100_O95299	K.QC-VDHYNEVK.S	182-191	MT
NADH-ubiquinone oxidoreductase 42 kDa subunit, mitoch	UniRef100_O95299	K.C-EVLQYSAR.E	253-261	MT
NADH-ubiquinone oxidoreductase chain 3 [Homo sapiens]	UniRef100_P03897	K.STPYEC-GFDPMSPAR.V	34-48	ER
NADP-dependent leukotriene B4 12-hydroxydehydrogenase	UniRef100_Q14914	R.IAIC-GAISTYNR.T	236-247	CYT
NDUFA7 protein [Homo sapiens]	UniRef100_Q6FG42	K.LPVGPSHKLNNYYC-TR.D	46-62	CYT
Novel protein [Homo sapiens]	UniRef100_Q5VT66	K.GVPVSEAEAC-TAMGLR.S	71-85	?
Oxidoreductase [Homo sapiens]	UniRef100_O14756	R.VAFFVGGYC-VSK.Y	169-180	ER
Peroxisomal protein 10, mitochondrial precursor [Homo sapiens]	UniRef100_P30044	K.KGVLFGVPGAFTPGC-SK.T	86-102	MT, peroxisome
Peroxisomal protein 10, mitochondrial precursor [Homo sapiens]	UniRef100_P30044	R.DFTPVC-TTELGR.A	42-53	CYT/lysosome
Peroxisomal protein 10, mitochondrial precursor [Homo sapiens]	UniRef100_Q5TAH4	K.KINAYNC^EETPEK.L	85-97	CYT/lysosome
Peroxisomal trans-2-enoyl-CoA reductase [Homo sapiens]	UniRef100_Q9BY49	K.SLALWAC^SGIR.I	184-195	peroxisome
Phosphatidylethanolamine-binding protein (PEBP) (Prostate)	UniRef100_P30086	K.C-DEPILSNR.S	132-140	CYT
Phosphoenolpyruvate carboxykinase, mitochondrial precurs	UniRef100_Q16822	K.YNNC-WLAR.T	89-96	MT
Poly(rC)-binding protein 1 [Homo sapiens]	UniRef100_Q15365	R.INISEGNC-PER.I	47-57	Nuc
Prenylcysteine oxidase precursor [Homo sapiens]	UniRef100_Q9UHG3	K.LVC-SGLLOASK.S	256-266	Lysosome
PRO0066 [Homo sapiens]	UniRef100_Q9UHZ7	K.LSLLVEGC-GTGANFK.F	22-36	CYT
PRO0066 [Homo sapiens]	UniRef100_Q9UHZ7	R.VTC-IDPNPNFEK.F	44-55	CYT
Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 precurs	UniRef100_Q02809	R.VGVDYEGGGC-R.F	671-681	ER
Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2 precurs	UniRef100_Q00469	R.DKLDPMALC-R.N	485-495	ER
Programmed cell death protein 8, mitochondrial precursor [H	UniRef100_O95831	K.C-LIATGGTPR.S	256-265	MT
Protein-glutamine gamma-glutamyltransferase (EC 2.3.2.13	UniRef100_P21980	K.YRDC-LTESNLK.V	551-562	ER
Purine nucleoside phosphorylase [Homo sapiens]	UniRef100_P00491	K.HRPQVAIIC-GSGLGGLTDK.L	23-41	CYT
Pyruvate carboxylase, mitochondrial precursor [Homo sapie	UniRef100_P11498	R.AC^TELGIK.T	55-62	MT
Pyruvate carboxylase, mitochondrial precursor [Homo sapie	UniRef100_P11498	R.ADFAQAC^QDAGVR.F	125-137	MT
Pyruvate carboxylase, mitochondrial precursor [Homo sapie	UniRef100_P11498	R.GLYAAFDC-TATMK.S	843-855	MT
Pyruvate kinase 3 isoform 1 variant [Homo sapiens]	UniRef100_Q53GK4	R.AGKPVIC-ATQMLSEMIK.K	320-336	CYT
Quinone oxidoreductase [Homo sapiens]	UniRef100_Q08257	K.VHAC-GVNPVYIIR.S	42-55	CYT
Ras-related C3 botulinum toxin substrate 1 [Homo sapiens]	UniRef100_P63000	K.YLEC-SALTQR.G	154-163	CYT
Ras-related C3 botulinum toxin substrate 1 [Homo sapiens]	UniRef100_P63000	R.HHC-PNTPILVGTK.L	103-116	CYT
Ras-related protein Rab-14 [Homo sapiens]	UniRef100_P61106	K.SC-LLHQFTEK.K	25-34	CYT
Ras-related protein Rab-21 [Homo sapiens]	UniRef100_Q9UL25	K.VVLLGEGC-VGK.T	22-32	lysosome
Ras-related protein Rab-2A [Homo sapiens]	UniRef100_P61019	K.SC-LLLQFTDKR.F	20-30	ER/Golgi
Ras-related protein Rab-7 [Homo sapiens]	UniRef100_P51149	R.AQAWC-YSK.N	139-146	endosome/lysosome
Receptor expression enhancing protein 5 [Homo sapiens]	UniRef100_Q5QGT0	K.NC-MTDLLAK.L	17-25	plasma memb
Retinol dehydrogenase 13 [Homo sapiens]	UniRef100_Q8NBN7	K.DYVTGGAC-PSK.A	23-33	CYT
Rho-related GTP-binding protein RhoB [Homo sapiens]	UniRef100_P62745	K.TC^LLIVFSK.D	19-27	endosome
Rho-related GTP-binding protein RhoC [Homo sapiens]	UniRef100_P08134	K.LVIVGDGAC-GK.T	38947	CYT
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (EC	UniRef100_P16615	R.C^LALATHDNPLR.R	560-571	ER
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (EC	UniRef100_P16615	R.DAC-LNAR.C	667-673	ER
Sarcosine dehydrogenase, mitochondrial precursor [Homo	UniRef100_Q9UL12	R.GAQVIENC-PVTGIR.V	228-241	MT
SEC13-like 1 isoform b variant [Homo sapiens]	UniRef100_Q59FA6	R.FASGGC^DNLK.L	176-186	CYT?
Serine hydroxymethyltransferase, cytosolic [Homo sapiens]	UniRef100_P34896	R.AVLEALGSC-LNNK.Y	60-72	CYT
Serine hydroxymethyltransferase, cytosolic [Homo sapiens]	UniRef100_P34896	K.LIAGTSC^YSR.N	197-207	CYT
Serine hydroxymethyltransferase, cytosolic [Homo sapiens]	UniRef100_P34896	K.VYQHQQVANC-R.A	326-336	CYT
Serine-pyruvate aminotransferase [Homo sapiens]	UniRef100_P21549	R.IGLLGC-NATRE	361-370	Peroxisome
Seryl-tRNA synthetase [Homo sapiens]	UniRef100_Q5T5C7	K.YAGLSTC-FR.Q	294-302	CYT
Signal recognition particle receptor beta subunit [Homo sap	UniRef100_Q9Y5M8	R.AVLLVGLC^DSGK.T	66-77	ER
Signal recognition particle receptor beta subunit [Homo sap	UniRef100_Q9Y5M8	K.NTPSFLIAC-NK.Q	171-181	ER
Signal recognition particle receptor beta subunit [Homo sap	UniRef100_Q9Y5M8	K.VEFLEC-SAK.G	241-249	ER
Similar to catalase [Homo sapiens]	UniRef100_Q8TAK2	R.LGPNYLHLPVNC-PYR.A	67-81	Peroxisome
Solute carrier family 27 (Fatty acid transporter), member 5	UniRef100_Q59H28	R.AC-QAAWALK.A	157-165	ER
Solute carrier family 27 (Fatty acid transporter), member 5	UniRef100_Q59H28	K.LGC-PTAWINPHGR.G	202-214	ER
SPFH domain protein 2 precursor [Homo sapiens]	UniRef100_O94905	K.ADAEC-YTAM^K.I	258-267	ER
Splice isoform 2 of O75947 [Homo sapiens]	UniRef100_O75947-2	K.SC-AEWSLSK.A	75-84	CYT
Splice isoform 2 of Q00610 [Homo sapiens]	UniRef100_Q00610-2	K.VIQC-FAETGQVQK.I	487-499	CYT
Splice isoform 2 of Q00610 [Homo sapiens]	UniRef100_Q00610-2	R.IHEGC-EEPATHNALAK.I	865-880	CYT
Splice isoform D of O95954 [Homo sapiens]	UniRef100_O95954-3	R.LGLDSLQ-PFSPK.E	307-318	CYT

Splice isoform E of O95954 [Homo sapiens]	UniRef100_Q95954-4	R.MGALDVC~PFIPVR.G	85-97	CYT
Steroid dehydrogenase homolog [Homo sapiens]	UniRef100_Q53GQ0	K.MININILSVC~K.M	157-167	ER?
Sterol/retinol dehydrogenase [Homo sapiens]	UniRef100_O75452	K.YVFITGC^DSGF GK.L	31-43	ER
Sterol/retinol dehydrogenase [Homo sapiens]	UniRef100_O75452	R.VLAAC~LTEK.G	56-64	ER
Sterol/retinol dehydrogenase [Homo sapiens]	UniRef100_O75452	R.VSLFGGGYC~ISK.Y	169-180	ER
Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylatir	UniRef100_Q15738	R.FFLGDLC^SR.Q	80-88	ER
Succinate dehydrogenase [ubiquinone] flavoprotein subunit	UniRef100_P31040	R.VGSVLQEGC~GK.I	528-538	MT
Succinate dehydrogenase [ubiquinone] iron-sulfur protein, n	UniRef100_P21912	K.C~GPMVLDALIK.I	68-78	MT
Succinate dehydrogenase cytochrome b560 subunit, mitoch	UniRef100_Q99643	K.SLC~LGPALHTAK.F	105-117	MT
Succinate semialdehyde dehydrogenase [Homo sapiens]	UniRef100_Q6A2H1	R.NTGQTC~VC^SNQFLVQR.G	335-350	MT
Tapasin precursor [Homo sapiens]	UniRef100_O15533	K.WASGLTPAQNC~PR.A	105-117	ER
Thioredoxin domain containing protein 5 precursor [Homo s	UniRef100_Q8NBS9	K.VDC*TAHSDVC^SAQGVR.G	119-134	ER
Translocation protein SEC63 homolog [Homo sapiens]	UniRef100_Q9UGP8	K.KNEPPLTC~PYSLK.A	287-299	ER
Transmembrane protein induced by tumor necrosis factor al	UniRef100_Q9BXJ8	K.LQNNC~TSSITR.Q	43-53	ER
Trifunctional enzyme alpha subunit, mitochondrial precursor	UniRef100_P40939	K.TGIEQGS DAGYLC^ESQK.F	310-326	MT
Trifunctional enzyme alpha subunit, mitochondrial precursor	UniRef100_P40939	R.C~LAPMMSEVIR.I	550-560	MT
TST protein [Homo sapiens]	UniRef100_Q6IB06	K.KVDLSQPLIATC~R.K	237-249	MT?
Tubulin alpha-1 chain [Homo sapiens]	UniRef100_P68366	R.SIQFVDWC~PTGFK.V	340-352	CYT
Tubulin beta-2 chain [Homo sapiens]	UniRef100_P07437	K.LTTPTYGDLNHLVSATMSGVTTC~L	217-241	CYT
Tubulin beta-2 chain [Homo sapiens]	UniRef100_P07437	K.NMMAAC^DPR.H	298-306	CYT
Tubulin beta-4 chain [Homo sapiens]	UniRef100_P04350	R.EIVHLQAGQC~GNQIGAK.F	38795	CYT
UDP-glucose 6-dehydrogenase [Homo sapiens]	UniRef100_O60701	K.ASVGFGGSC~FQK.D	268-279	CYT
UDP-glucuronosyltransferase 1-4 precursor, microsomal [H	UniRef100_P22310	K.GTQC~PNPSSYIPK.L	184-196	ER
UDP-glucuronosyltransferase 1-4 precursor, microsomal [H	UniRef100_P22310	R.C~C^VELLHNEALIR.H	127-139	ER
Very long-chain acyl-CoA synthetase homolog 2 [Homo sap	UniRef100_Q9Y2P5	R.YLC~NIPQQPEDR.T	388-399	ER
Very-long-chain acyl-CoA synthetase [Homo sapiens]	UniRef100_O14975	K.GEVGLLVC~K.I	420-428	ER
Vesicular integral-membrane protein VIP36 precursor [Hom	UniRef100_Q12907	K.NC~IDITGVR.L	238-246	ER/Golgi
Voltage-dependent anion channel 1 [Homo sapiens]	UniRef100_Q5FVE7	K.YQIDPDAC~FSAK.V	225-236	MT
Voltage-dependent anion-selective channel protein 3 [Homc	UniRef100_Q9Y277	K.VC~NYGLTFTQK.W	64-74	MT

same?

same

same
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same

same

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Consensus microsomal protein targets of BMCC and IAB (updated 04/26/06)
90 peptides in 70 proteins (with high Xcorr filters)

Protein	Swiss-Prot ID	Cys	localization	Function
17-beta hydroxysteroid dehydrogenase [Homo sapiens]	UniRef100_Q86W23	C80, C94	Secreted, ER	Metabolism, lipid
17-beta hydroxysteroid dehydrogenase isoform 1 [Homo sapien]	UniRef100_Q86W22	C179	Secreted, ER	Metabolism, lipid
21 kDa protein [Homo sapiens]	UniRef100_UP1000013D	C157	?	?
3-ketoacyl-CoA thiolase, mitochondrial [Homo sapiens]	UniRef100_P42765	C179	MT, ER	Metabolism, lipid
60S acidic ribosomal protein P0 [Homo sapiens]	UniRef100_P05388	C27	CYT	Protein Synthesis
7-dehydrocholesterol reductase [Homo sapiens]	UniRef100_Q9UBM7	C380	ER	Metabolism, lipid
Alcohol dehydrogenase IB (Class I), beta polypeptide [Homo]	UniRef100_Q4ZG19	C47, C112, C241	CYT, ER	Metabolism
Alpha enolase, lung specific [Homo sapiens]	UniRef100_Q05524	C378	CYT	carbohydrate metabolism
ATP synthase gamma chain, mitochondrial precursor [Homo sap]	UniRef100_P36542	C103	MT	protein transport
ATP synthase oligomycin sensitivity conferral protein, mito	UniRef100_P48047	C141	MT	ATP synthase subunit
Calreticulin precursor [Homo sapiens]	UniRef100_P27797	C105	ER	protein folding, Ca binding
Carbamoyl-phosphate synthase [ammonia], mitochondrial precu	UniRef100_P31327	C225, C761, C816	MT	Metabolism
Carbonyl reductase [NADPH] 1 (EC 1.1.1.184) (NADPH-dependen	UniRef100_P16152	C226	CYT, ER	Metabolism
Cathepsin B precursor [Homo sapiens]	UniRef100_P07858	C319	Lysosome, ER	proteolysis
CC3 [Homo sapiens]	UniRef100_O15383	C172	CYT	apoptosis
Cell division control protein 42 homolog [Homo sapiens]	UniRef100_P60953	C6, C18	Plasma M	small GTPase, signal Td
Cell division cycle 42 [Homo sapiens]	UniRef100_Q90694	C157	Nuc, ER	small GTPase, signal Td
Cytochrome P450 2A6 (EC 1.14.14.1) (CYP1A6) (Coumarin 7-hy	UniRef100_P11509	C82	ER	Metabolism, xenobiotics
Cytochrome P450 2C9 (EC 1.14.13.80) ((R)-limonene 6-monooxy	UniRef100_P11712	C151	ER	Metabolism, xenobiotics
Cytochrome P450 2E1 [Homo sapiens]	UniRef100_P05181	C261, C268	ER	Metabolism, xenobiotics
Cytochrome P450-1A2 [Homo sapiens]	UniRef100_Q9UJ49	C458	ER	Metabolism, xenobiotics
D-beta-hydroxybutyrate dehydrogenase, mitochondrial precurs	UniRef100_Q02338	C86, C221	MT	Metabolism
Dehydrogenase/reductase SDR family member 1 [Homo sapiens]	UniRef100_Q96LJ7	C28	MT	Metabolism
DILV594 [Homo sapiens]	UniRef100_Q6UX53	C96	CYT, ER	Metabolism
Dolichyl-diphosphooligosaccharide--protein glycosyltransfer	UniRef100_P04843	C545	ER	Metabolism
Electron transfer flavoprotein-ubiquinone oxidoreductase, m	UniRef100_P16134	C266	MT	Metabolism
Flavin containing monooxygenase 3 isoform 2 variant [Homo	UniRef100_Q53FW5	C197	ER	xenobiotics metabolism
Flavin containing monooxygenase 5 variant [Homo sapiens]	UniRef100_Q53H53	C248	ER	Metabolism
Glyceraldehyde-3-phosphate dehydrogenase, liver [Homo sapie	UniRef100_UP1000051A1	C250	CYT	Metabolism
Glyceraldehyde-3-phosphate dehydrogenase, muscle [Homo	UniRef100_P00354	C151	CYT	Metabolism
Glycogen debranching enzyme (Glycogen debrancher) [Includes	UniRef100_P35573	C259	CYT	Metabolism
Haptoglobin precursor [Homo sapiens]	UniRef100_P00738	C309, C340	secreted, ER	proteolysis, defense resonse
Haptoglobin-related protein precursor [Homo sapiens]	UniRef100_P00739	C323	secreted	proteolysis
HLBP14=14-kDa laminin binding protein [Homo sapiens]	UniRef100_Q9UDK5	C22	CYT	?
Hydroxyacid oxidase 1 [Homo sapiens]	UniRef100_Q9UJM8	C7	Peroxisome	electron transport
Hypothetical protein (Alcohol dehydrogenase 4 (Class II), p	UniRef100_Q8TCD7	C47, C246	CYT	electron transport
Hypothetical protein PRO1855 [Homo sapiens]	UniRef100_Q96AG4	C48	CYT, ER	?
Liver carboxylesterase 1 precursor [Homo sapiens]	UniRef100_P23141	C390	ER	xenobiotics detoxification
Long-chain-fatty-acid--CoA ligase 1 [Homo sapiens]	UniRef100_P33121	C55, C108	ER	Metabolism, lipid
Long-chain-fatty-acid--CoA ligase 5 [Homo sapiens]	UniRef100_Q9ULC5	C322, C610	ER	Metabolism, lipid
Membrane associated progesterone receptor component 2 [Homo	UniRef100_O15173	C159	ER	Receptor, hormone binding
Microsomal glutathione S-transferase 1 [Homo sapiens]	UniRef100_P10620	C50	ER	Metabolism, xenobiotics
Mitochondrial carnitine/acylcarnitine carrier protein [Homo	UniRef100_O43772	C136, C155	MT, ER	Transport
NAD(P) transhydrogenase, mitochondrial precursor [Homo sapi	UniRef100_Q13423	C936, C1073	MT, ER	signal transduction
NADH-ubiquinone oxidoreductase 42 kDa subunit, mitochondria	UniRef100_O95299	C253	MT	Metabolism
Novel protein [Homo sapiens]	UniRef100_Q5VT66	C79	?, ER	?
Oxidoreductase [Homo sapiens]	UniRef100_O14756	C177	ER	Metabolism
Phosphatidylethanolamine-binding protein (PEBP) (Prostatic	UniRef100_P30086	C132	CYT, ER	ATP/lipid binding
PRO0066 [Homo sapiens]	UniRef100_Q9UHZ7	C29, C46	CYT	?
Ras-related protein Rab-2A [Homo sapiens]	UniRef100_P61019	C21	ER/Golgi	signal GTP-binding
Sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (EC 3.6	UniRef100_P16615	C560	ER	calcium transport
Serine--pyruvate aminotransferase [Homo sapiens]	UniRef100_P21549	C366	Peroxi, ER	Metabolism
Signal recognition particle receptor beta subunit [Homo sap	UniRef100_Q9Y5M8	C73, C246	ER	Receptor GTPase
Similar to catalase [Homo sapiens]	UniRef100_Q8TAK2	C78	Peroxisome	electron transport
Solute carrier family 27 (Fatty acid transporter), member 5	UniRef100_Q59H28	C204	ER	fatty acid transport
SPFH domain protein 2 precursor [Homo sapiens]	UniRef100_O94905	C262	ER	unknown
Splice isoform 2 of O75947 [Homo sapiens]	UniRef100_O75947-2	C76	CYT, ER	ion transport
Splice isoform 2 of Q00610 [Homo sapiens]	UniRef100_Q00610-2	C490, C869	CYT	protein transport
Steroid dehydrogenase homolog [Homo sapiens]	UniRef100_Q53GQ0	C166	ER	Metabolism, lipid
Sterol/retinol dehydrogenase [Homo sapiens]	UniRef100_O75452	C37, C60, C177	ER	Metabolism, lipid
Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	UniRef100_Q15738	C86	ER	cholesterol biosynthesis
Succinate dehydrogenase [ubiquinone] flavoprotein subunit,	UniRef100_P31040	C536	MT	electron transport
Succinate dehydrogenase [ubiquinone] iron-sulfur protein, m	UniRef100_P21912	C68	MT	electron transport
Succinate dehydrogenase cytochrome b560 subunit, mitochondr	UniRef100_Q99643	C107	MT, ER	electron transport
Trifunctional enzyme alpha subunit, mitochondrial precursor	UniRef100_P40939	C322, C550	MT	metabolism
UDP-glucuronosyltransferase 1-4 precursor, microsomal [Homo	UniRef100_P22310	C127	ER	Metabolism, xenobiotics
Very long-chain acyl-CoA synthetase homolog 2 [Homo sapiens]	UniRef100_Q9Y2P5	C390	ER	Metabolism, lipid
Very-long-chain acyl-CoA synthetase [Homo sapiens]	UniRef100_O14975	C427	ER	Metabolism, lipid
Vesicular integral-membrane protein VIP36 precursor [Homo s	UniRef100_Q12907	C239	ER	protein transport
Voltage-dependent anion channel 1 [Homo sapiens]	UniRef100_Q5FVE7	C232	MT, ER	Transport