Table S1. The protein lists of common alterations in liver proteomics of young and aged *HBsAg*$^{tg/0}$ male mice.

Young-common upregulation	Young-common downregulation	Aged-common upregulation	Aged-common downregulation
Protein List	Protein List	Protein List	Protein List
Pre-mRNA-processing-splicing factor 8 < sp|Q99PV0|PRP8_MOUSE >	Vigilin < sp|Q8VDJ3|VIGLN_MOUSE >	Pre-mRNA-processing-splicing factor 8 < sp|Q99PV0|PRP8_MOUSE >	Alpha-1,4 glucan phosphorylase < tr|Q3UEJ6|Q3UEJ6_MOUSE >
Proteasome subunit alpha type-2 < sp|P49722|PSA2_MOUSE >	Clathrin heavy chain < tr|Q5SXR6|Q5SXR6_MOUSE >	Proteasome subunit alpha type-2 < sp|P49722|PSA2_MOUSE >	39S ribosomal protein L3, mitochondrial < sp|Q99N95|RM03_MOUSE >
Beta-enolase < sp|P21550|ENOB_MOUSE >	D-beta-hydroxybutyrate dehydrogenase, mitochondrial < sp|Q80XN0|BDH_MOUSE >	Beta-enolase < sp|P21550|ENOB_MOUSE >	40S ribosomal protein S21 < sp|Q9CQR2|RS21_MOUSE >
Eno3 protein < tr|Q4FK59|Q4FK59_MOUSE >	Cytochrome P450 2C54 < sp|Q6XVG2|CP254_MOUSE >	Eno3 protein < tr|Q4FK59|Q4FK59_MOUSE >	Acyl-CoA synthetase family member 2, mitochondrial < sp|Q8VCW8|ACSF2_MOUSE >
MCG10343, isoform CRA_b < tr|G5E902|G5E902_MOUSE >	Isochorismatase domain-containing protein 2A, mitochondrial < sp|P85094|ISC2A_MOUSE >	MCG10343, isoform CRA_b < tr|G5E902|G5E902_MOUSE >	Alkylated DNA repair protein alkB homolog 1 < sp|P0CB42|ALKB1_MOUSE >
Phosphate carrier protein, mitochondrial < sp|Q8VEM8|MPCP_MOUSE >	Mitochondrial 10-formyltetrahydrofolate dehydrogenase < sp|Q8K009|AL1L2_MOUSE >	Phosphate carrier protein, mitochondrial < sp|Q8VEM8|MPCP_MOUSE >	ATP-binding cassette sub-family A member 1 < sp|P41233|ABCA1_MOUSE >
Cytochrome b-c1 complex subunit 6, mitochondrial < sp|P99028|QCR6_MOUSE >	Long-chain-fatty-acid--CoA ligase 1 < sp|P41216|ACSL1_MOUSE >	Cytochrome b-c1 complex subunit 6, mitochondrial < sp|P99028|QCR6_MOUSE >	Casein kinase II subunit beta < sp|P67871|CSK2B_MOUSE >
Transmembrane emp24 domain-containing protein 4 < sp|Q8R1V4|TMED4_MOUSE >	60S ribosomal protein L23 < sp|P62830|RL23_MOUSE >	Transmembrane emp24 domain-containing protein 4 < sp|Q8R1V4|TMED4_MOUSE >	Cathepsin H < tr|Q922Q7|Q922Q7_MOUSE >
Epoxide hydrolase 1 < sp|Q9D379|HYEP_MOUSE >	Glutathione S-transferase A2 < sp|P10648|GSTA2_MOUSE >	Epoxide hydrolase 1 < sp|Q9D379|HYEP_MOUSE >	Centrosomal protein of 290 kDa < sp|Q6A078|CE290_MOUSE >
Protein Ugt2b34 < tr|Q8K154|Q8K154_MOUSE >	Alpha-1,4 glucan phosphorylase < tr|Q3UEJ6|Q3UEJ6_MOUSE >	Protein Ugt2b34 < tr|Q8K154|Q8K154_MOUSE >	Cocaine- and amphetamine-regulated transcript protein < sp|P56388|CART_MOUSE >
Phosphoglucomutase 2 < tr|Q5RJV4|Q5RJV4_MOUSE >	39S ribosomal protein L3, mitochondrial < sp|Q99N95|RM03_MOUSE >	Phosphoglucomutase 2 < tr|Q5RJV4|Q5RJV4_MOUSE >	Collagen alpha-1(VI) chain < sp|Q04857|CO6A1_MOUSE >
14-3-3 protein zeta/delta < sp|P63101|1433Z_MOUSE >	40S ribosomal protein S21 < sp|Q9CQR2|RS21_MOUSE >	14-3-3 protein zeta/delta < sp|P63101|1433Z_MOUSE >	Dynein heavy chain 3, axonemal < sp|Q8BW94|DYH3_MOUSE >
MCG1788 < tr|Q3UEP4|Q3UEP4_MOUSE >	Acyl-CoA synthetase family member 2, mitochondrial < sp|Q8VCW8|ACSF2_MOUSE >	MCG1788 < tr|Q3UEP4|Q3UEP4_MOUSE >	E3 ubiquitin-protein ligase UBR4 < sp|A2AN08|UBR4_MOUSE >
CDGSH iron-sulfur domain-containing protein 1 < sp|Q91WS0|CISD1_MOUSE >	Alkylated DNA repair protein alkB homolog 1 < sp|P0CB42|ALKB1_MOUSE >	CDGSH iron-sulfur domain-containing protein 1 < sp|Q91WS0|CISD1_MOUSE >	EGAM1 < tr|Q3UL53|Q3UL53_MOUSE >
Glutathione S-transferase A4 < sp|P24472|GSTA4_MOUSE >	ATP-binding cassette sub-family A member 1 < sp|P41233|ABCA1_MOUSE >	Glutathione S-transferase A4 < sp|P24472|GSTA4_MOUSE >	EGAM1N < tr|B6ZND8|B6ZND8_MOUSE >
Glutathione S-transferase Mu 3 < sp|P19639|GSTM4_MOUSE >	Casein kinase II subunit beta < sp|P67871|CSK2B_MOUSE >	Glutathione S-transferase Mu 3 < sp|P19639|GSTM4_MOUSE >	Fgd6 protein < tr|B2RSV7|B2RSV7_MOUSE >
ATP synthase F(0) complex subunit B1, mitochondrial < sp|Q9CQQ7|AT5F1_MOUSE >	Cathepsin H < tr|Q922Q7|Q922Q7_MOUSE >	ATP synthase F(0) complex subunit B1, mitochondrial < sp|Q9CQQ7|AT5F1_MOUSE >	FYVE, RhoGEF and PH domain-containing protein 6 < sp|Q69ZL1|FGD6_MOUSE >
Ornithine aminotransferase, mitochondrial < sp|P29758|OAT_MOUSE >	Centrosomal protein of 290 kDa < sp|Q6A078|CE290_MOUSE >	Ornithine aminotransferase, mitochondrial < sp|P29758|OAT_MOUSE >	Heme-binding protein 1 < sp|Q9R257|HEBP1_MOUSE >
60S ribosomal protein L23a < sp|P62751|RL23A_MOUSE >	Cocaine- and amphetamine-regulated transcript protein < sp|P56388|CART_MOUSE >	60S ribosomal protein L23a < sp|P62751|RL23A_MOUSE >	Heterogeneous nuclear ribonucleoprotein A1 < sp|P49312|ROA1_MOUSE >
Alpha-1-antitrypsin 1-2 < sp|P22599|A1AT2_MOUSE >	Collagen alpha-1(VI) chain < sp|Q04857|CO6A1_MOUSE >	Alpha-1-antitrypsin 1-2 < sp|P22599|A1AT2_MOUSE >	Hnrnpa1l2 protein < tr|B7ZWG9|B7ZWG9_MOUSE >
Hemoglobin subunit alpha < sp|P01942|HBA_MOUSE >	Dynein heavy chain 3, axonemal < sp|Q8BW94|DYH3_MOUSE >	Hemoglobin subunit alpha < sp|P01942|HBA_MOUSE >	Homolog of human Werners syndrome protein < tr|O35948|O35948_MOUSE >
Histone H2B type 1-B < sp|Q64475|H2B1B_MOUSE >	E3 ubiquitin-protein ligase UBR4 < sp|A2AN08|UBR4_MOUSE >	Histone H2B type 1-B < sp|Q64475|H2B1B_MOUSE >	Laminin subunit alpha-5 < sp|Q61001|LAMA5_MOUSE >
Histone H2B type 1-F/J/L < sp|P10853|H2B1F_MOUSE >	EGAM1 < tr|Q3UL53|Q3UL53_MOUSE >	Histone H2B type 1-F/J/L < sp|P10853|H2B1F_MOUSE >	Little elongation complex subunit 1 < sp|E9Q286|ICE1_MOUSE >
Histone H2B type 1-P < sp|Q8CGP2|H2B1P_MOUSE >	EGAM1N < tr|B6ZND8|B6ZND8_MOUSE >	Histone H2B type 1-P < sp|Q8CGP2|H2B1P_MOUSE >	MCG148116 < tr|Q9D9Z8|Q9D9Z8_MOUSE >
ATP synthase subunit alpha < tr|D3Z6F5|D3Z6F5_MOUSE >	Fgd6 protein < tr|B2RSV7|B2RSV7_MOUSE >	ATP synthase subunit alpha < tr|D3Z6F5|D3Z6F5_MOUSE >	Mitochondrial carnitine/acylcarnitine carrier protein < sp|Q9Z2Z6|MCAT_MOUSE >
Histone H2A type 1 < sp|P22752|H2A1_MOUSE >	FYVE, RhoGEF and PH domain-containing protein 6 < sp|Q69ZL1|FGD6_MOUSE >	Histone H2A type 1 < sp|P22752|H2A1_MOUSE >	Mitochondrial ribosomal protein L3 < tr|Q91XB2|Q91XB2_MOUSE >
Histone H2A type 1-F < sp|Q8CGP5|H2A1F_MOUSE >	Heme-binding protein 1 < sp|Q9R257|HEBP1_MOUSE >	Histone H2A type 1-F < sp|Q8CGP5|H2A1F_MOUSE >	Neuroguidin < sp|Q9DB96|NGDN_MOUSE >
Histone H2A type 1-H < sp|Q8CGP6|H2A1H_MOUSE >	Heterogeneous nuclear ribonucleoprotein A1 < sp|P49312|ROA1_MOUSE >	Histone H2A type 1-H < sp|Q8CGP6|H2A1H_MOUSE >	Nuclear-interacting partner of ALK < sp|Q80YV2|NIPA_MOUSE >
Histone H2A type 3 < sp|Q8BFU2|H2A3_MOUSE >	Hnrnpa1l2 protein < tr|B7ZWG9|B7ZWG9_MOUSE >	Histone H2A type 3 < sp|Q8BFU2|H2A3_MOUSE >	Nucleoside diphosphate kinase A < tr|Q5NC79|Q5NC79_MOUSE >
60S ribosomal protein L7 < sp|P14148|RL7_MOUSE >	Homolog of human Werners syndrome protein < tr|O35948|O35948_MOUSE >	60S ribosomal protein L7 < sp|P14148|RL7_MOUSE >	Palmitoyl-protein thioesterase < tr|Q8VBX5|Q8VBX5_MOUSE >
Aspartate aminotransferase, cytoplasmic < sp|P05201|AATC_MOUSE >	Laminin subunit alpha-5 < sp|Q61001|LAMA5_MOUSE >	Aspartate aminotransferase, cytoplasmic < sp|P05201|AATC_MOUSE >	Palmitoyl-protein thioesterase 1 < sp|O88531|PPT1_MOUSE >
Argininosuccinate lyase < tr|E0CXM2|E0CXM2_MOUSE >	Little elongation complex subunit 1 < sp|E9Q286|ICE1_MOUSE >	Argininosuccinate lyase < tr|E0CXM2|E0CXM2_MOUSE >	Parathymosin < sp|Q9D0J8|PTMS_MOUSE >
60S ribosomal protein L35 < sp|Q6ZWV7|RL35_MOUSE >	MCG148116 < tr|Q9D9Z8|Q9D9Z8_MOUSE >	60S ribosomal protein L35 < sp|Q6ZWV7|RL35_MOUSE >	Peroxisomal trans-2-enoyl-CoA reductase < sp|Q99MZ7|PECR_MOUSE >
Protein NipSnap homolog 1 < sp|O55125|NIPS1_MOUSE >	Mitochondrial carnitine/acylcarnitine carrier protein < sp|Q9Z2Z6|MCAT_MOUSE >	Protein NipSnap homolog 1 < sp|O55125|NIPS1_MOUSE >	Phospholipid-translocating ATPase < tr|B9EJ52|B9EJ52_MOUSE >
Protein flightless-1 homolog < sp|Q9JJ28|FLII_MOUSE >	Mitochondrial ribosomal protein L3 < tr|Q91XB2|Q91XB2_MOUSE >	Protein flightless-1 homolog < sp|Q9JJ28|FLII_MOUSE >	Probable phospholipid-transporting ATPase VD < sp|Q8K2X1|AT10D_MOUSE >

Aldehyde dehydrogenase X, mitochondrial < sp|Q9CZS1|AL1B1_MOUSE >	Neuroguidin < sp|Q9DB96|NGDN_MOUSE >
Probable aminopeptidase NPEPL1 < sp|Q6NSR8|PEPL1_MOUSE >	Nuclear-interacting partner of ALK < sp|Q80YV2|NIPA_MOUSE >
Protein FAM3B < sp|Q9D309|FAM3B_MOUSE >	Nucleoside diphosphate kinase A < tr|Q5NC79|Q5NC79_MOUSE >
L-serine dehydratase/L-threonine deaminase < sp|Q8VBT2|SDHL_MOUSE >	Palmitoyl-protein thioesterase < tr|Q8VBX5|Q8VBX5_MOUSE >
MCG22989, isoform CRA_a < tr|G3UY29|G3UY29_MOUSE >	Parathymosin < sp|Q9D0J8|PTMS_MOUSE >
RAS oncogene family protein < tr|A0A068BFR3|A0A068BFR3_MOUSE >	Peroxisomal trans-2-enoyl-CoA reductase < sp|Q99MZ7|PECR_MOUSE >
Ras-related protein Rab-11A < sp|P62492|RB11A_MOUSE >	Phospholipid-translocating ATPase < tr|B9EJ52|B9EJ52_MOUSE >
Ras-related protein Rab-11B < sp|P46638|RB11B_MOUSE >	Probable phospholipid-transporting ATPase VD < sp|Q8K2X1|AT10D_MOUSE >
NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial < sp|Q9DCT2|NDUS3_MOUSE >	Proteasome subunit beta type-5 < sp|O55234|PSB5_MOUSE >
Protein BC080695 < tr|Q66JY9|Q66JY9_MOUSE >	Protein Crxos < tr|V9GXY9|V9GXY9_MOUSE >
B-cell receptor-associated protein 31 < sp|Q61335|BAP31_MOUSE >	Protein Styxl1 < tr|D3YZ02|D3YZ02_MOUSE >
Acidic leucine-rich nuclear phosphoprotein 32 family member A < tr|D3Z7M9|D3Z7M9_MOUSE >	Protein Taf4a < tr|E9QAP7|E9QAP7_MOUSE >
Catechol O-methyltransferase < sp|O88587|COMT_MOUSE >	Protein Wdr72 < tr|D3YYM4|D3YYM4_MOUSE >
Very long-chain acyl-CoA synthetase < sp|O35488|S27A2_MOUSE >	Protein Zfp948 < tr|Q6DFU8|Q6DFU8_MOUSE >
Enoyl-CoA hydratase, mitochondrial < sp|Q8BH95|ECHM_MOUSE >	Ptms protein < tr|Q66JR8|Q66JR8_MOUSE >
Peroxisomal acyl-coenzyme A oxidase 2 < sp|Q9QXD1|ACOX2_MOUSE >	Putative sodium-coupled neutral amino acid transporter 10 < sp|Q5I012|S38AA_MOUSE >
Disintegrin and metalloproteinase domain-containing protein 32 < sp|Q8K410|ADA32_MOUSE >	Selection and upkeep of intraepithelial T-cells protein 5 < sp|A7XUY5|SKIT5_MOUSE >
Protein Cngb1 < tr|E1AZ71|E1AZ71_MOUSE >	Serine/threonine-protein kinase mTOR < sp|Q9JLN9|MTOR_MOUSE >
Actin, cytoplasmic 1 < tr|E9Q1F2|E9Q1F2_MOUSE >	Solute carrier family 25 (Mitochondrial carnitine/acylcarnitine translocase), member 20 < tr|Q7TPW6|Q7TPW6_MOUSE >
60S ribosomal protein L21 < sp|O09167|RL21_MOUSE >	TBC1 domain family member 9 < sp|Q3UYK3|TBCD9_MOUSE >
Ribosomal protein L21 < tr|Q4VA28|Q4VA28_MOUSE >	Transcription factor RFX3 < sp|P48381|RFX3_MOUSE >
Phenylalanine-4-hydroxylase < sp|P16331|PH4H_MOUSE >	V-set and transmembrane domain-containing protein 2A < sp|Q8R0A6|VTM2A_MOUSE >
Argininosuccinate lyase < sp|Q91YI0|ARLY_MOUSE >	Werner syndrome ATP-dependent helicase homolog < sp|O09053|WRN_MOUSE >
Histidine triad nucleotide-binding protein 1 < sp|P70349|HINT1_MOUSE >	Aldo-keto reductase family 1, member C19 < tr|G3X9Y6|G3X9Y6_MOUSE >
Hydroxyacid oxidase 1 < sp|Q9WU19|HAOX1_MOUSE >	Chromodomain-helicase-DNA-binding protein 6 < sp|A3KFM7|CHD6_MOUSE >
40S ribosomal protein S10 < sp|P63325|RS10_MOUSE >	Cysteine sulfinic acid decarboxylase < sp|Q9DBE0|CSAD_MOUSE >
ATP synthase subunit gamma < tr|A2AKU9|A2AKU9_MOUSE >	E3 ubiquitin-protein ligase DTX1 < sp|Q61010|DTX1_MOUSE >
ATP synthase subunit gamma, mitochondrial < sp|Q91VR2|ATPG_MOUSE >	Hgd protein < tr|Q05BJ1|Q05BJ1_MOUSE >
Voltage-dependent anion-selective channel protein 1 < sp|Q60932|VDAC1_MOUSE >	Histone-lysine N-methyltransferase < tr|F8WI37|F8WI37_MOUSE >
Transaldolase < sp|Q93092|TALDO_MOUSE >	Homogentisate 1, 2-dioxygenase < tr|Q8CI38|Q8CI38_MOUSE >
Glutathione transferase class mu chain Yb2 (Fragments) < tr|Q7M0F4|Q7M0F4_MOUSE >	Laminin subunit alpha-3 < sp|Q61789|LAMA3_MOUSE >
Phosphatidylinositol 4-phosphate 5-kinase type-1 alpha < sp|P70182|PI51A_MOUSE >	NADPH--cytochrome P450 reductase < sp|P37040|NCPR_MOUSE >
Vimentin < sp|P20152|VIME_MOUSE >	Proteasome subunit beta type < tr|D3YUM8|D3YUM8_MOUSE >
Gstm7 protein < tr|Q6PJ91|Q6PJ91_MOUSE >	Protocadherin-8 < sp|Q7TSK3|PCDH8_MOUSE >
Serine protease inhibitor A3K < sp|P07759|SPA3K_MOUSE >	Ribosomal protein L5 < tr|Q3TKR5|Q3TKR5_MOUSE >
Histone H1.2 < sp|P15864|H12_MOUSE >	S-formylglutathione hydrolase < sp|Q9R0P3|ESTD_MOUSE >
Alad protein < tr|Q8VCZ1|Q8VCZ1_MOUSE >	Tubulin beta-4A chain < sp|Q9D6F9|TBB4A_MOUSE >

Proteasome subunit beta type-5 < sp|O55234|PSB5_MOUSE >
Protein Crxos < tr|V9GXY9|V9GXY9_MOUSE >
Protein Styxl1 < tr|D3YZ02|D3YZ02_MOUSE >
Protein Taf4a < tr|E9QAP7|E9QAP7_MOUSE >
Protein Wdr72 < tr|D3YYM4|D3YYM4_MOUSE >
Protein Zfp948 < tr|Q6DFU8|Q6DFU8_MOUSE >
Protein Zfp955a < tr|Q80XR7|Q80XR7_MOUSE >
Protein Zfp955b < tr|L7N232|L7N232_MOUSE >
Ptms protein < tr|Q66JR8|Q66JR8_MOUSE >
Putative sodium-coupled neutral amino acid transporter 10 < sp|Q5I012|S38AA_MOUSE >
Selection and upkeep of intraepithelial T-cells protein 5 < sp|A7XUY5|SKIT5_MOUSE >
Serine/threonine-protein kinase mTOR < sp|Q9JLN9|MTOR_MOUSE >
Solute carrier family 25 (Mitochondrial carnitine/acylcarnitine translocase), member 20 < tr|Q7TPW6|Q7TPW6_MOUSE >
TBC1 domain family member 9 < sp|Q3UYK3|TBCD9_MOUSE >
Transcription factor RFX3 < sp|P48381|RFX3_MOUSE >
V-set and transmembrane domain-containing protein 2A < sp|Q8R0A6|VTM2A_MOUSE >
Werner syndrome ATP-dependent helicase homolog < sp|O09053|WRN_MOUSE >
Aldo-keto reductase family 1, member C19 < tr|G3X9Y6|G3X9Y6_MOUSE >
Chromodomain-helicase-DNA-binding protein 6 < sp|A3KFM7|CHD6_MOUSE >
Cysteine sulfinic acid decarboxylase < sp|Q9DBE0|CSAD_MOUSE >
E3 ubiquitin-protein ligase DTX1 < sp|Q61010|DTX1_MOUSE >
Hgd protein < tr|Q05BJ1|Q05BJ1_MOUSE >
Histone-lysine N-methyltransferase < tr|F8WI37|F8WI37_MOUSE >
Homogentisate 1, 2-dioxygenase < tr|Q8CI38|Q8CI38_MOUSE >
Laminin subunit alpha-3 < sp|Q61789|LAMA3_MOUSE >
NADPH--cytochrome P450 reductase < sp|P37040|NCPR_MOUSE >
Proteasome subunit beta type < tr|D3YUM8|D3YUM8_MOUSE >
Protocadherin-8 < sp|Q7TSK3|PCDH8_MOUSE >
Ribosomal protein L5 < tr|Q3TKR5|Q3TKR5_MOUSE >
S-formylglutathione hydrolase < sp|Q9R0P3|ESTD_MOUSE >
Tubulin beta-4A chain < sp|Q9D6F9|TBB4A_MOUSE >
Vesicle-associated membrane protein 1 < tr|D3YTU0|D3YTU0_MOUSE >
IQ motif containing GTPase activating protein 2 < tr|B9EKK3|B9EKK3_MOUSE >
Peroxiredoxin-5, mitochondrial < sp|P99029|PRDX5_MOUSE >
Ras GTPase-activating-like protein IQGAP2 < sp|Q3UQ44|IQGA2_MOUSE >
Terminal uridylyltransferase 7 < sp|Q5BLK4|TUT7_MOUSE >
Terminal uridylyltransferase 7 < tr|E9PUA2|E9PUA2_MOUSE >

Delta-aminolevulinic acid dehydratase < sp|P10518|HEM2_MOUSE >	Vesicle-associated membrane protein 1 < tr|D3YTU0|D3YTU0_MOUSE >
Voltage-dependent anion-selective channel protein 2 < sp|Q60930|VDAC2_MOUSE >	IQ motif containing GTPase activating protein 2 < tr|B9EKK3|B9EKK3_MOUSE >
Enolase < tr|D3Z6E4|D3Z6E4_MOUSE >	Peroxiredoxin-5, mitochondrial < sp|P99029|PRDX5_MOUSE >
Gamma-enolase < sp|P17183|ENOG_MOUSE >	Ras GTPase-activating-like protein IQGAP2 < sp|Q3UQ44|IQGA2_MOUSE >
E3 ubiquitin-protein ligase TRIM31 < sp|Q8R0K2|TRI31_MOUSE >	Terminal uridylyltransferase 7 < sp|Q5BLK4|TUT7_MOUSE >
Cytochrome c oxidase subunit NDUFA4 < sp|Q62425|NDUA4_MOUSE >	Uncharacterized protein < tr|V9GX38|V9GX38_MOUSE >
40S ribosomal protein S13 < sp|P62301|RS13_MOUSE >	4-aminobutyrate aminotransferase, mitochondrial < sp|P61922|GABT_MOUSE >
Protein CREG1 < sp|O88668|CREG1_MOUSE >	Glycogen [starch] synthase, liver < sp|Q8VCB3|GYS2_MOUSE >
Cytochrome b-c1 complex subunit 8 < sp|Q9CQ69|QCR8_MOUSE >	Ubiquitin-like modifier-activating enzyme 1 < sp|Q02053|UBA1_MOUSE >
Carcinoembryonic antigen-related cell adhesion molecule 1 < sp|P31809|CEAM1_MOUSE >	Fatty acid-binding protein, intestinal < sp|P55050|FABPI_MOUSE >
CEA-related cell adhesion molecule 1 < tr|Q925P3|Q925P3_MOUSE >	ATPase, Na+/K+ transporting, alpha 3 polypeptide < tr|Q8VCE0|Q8VCE0_MOUSE >
Uncharacterized protein < tr|Q3LFS5|Q3LFS5_MOUSE >	Inactive phospholipase C-like protein 1 < sp|Q3USB7|PLCL1_MOUSE >
Alpha-1-antitrypsin 1-1 < sp|P07758|A1AT1_MOUSE >	Probable 2-oxoglutarate dehydrogenase E1 component DHKTD1, mitochondrial < sp|A2ATU0|DHTK1_MOUSE >
Alpha-1-antitrypsin 1-3 < sp|Q00896|A1AT3_MOUSE >	Sodium/potassium-transporting ATPase subunit alpha-3 < sp|Q6PIC6|AT1A3_MOUSE >
Histone H2B < tr|Q8CBB6|Q8CBB6_MOUSE >	17-beta-hydroxysteroid dehydrogenase type 6 < sp|Q9R092|H17B6_MOUSE >
Histone H2B type 1-K < sp|Q8CGP1|H2B1K_MOUSE >	Protein Agl < tr|F8VPN4|F8VPN4_MOUSE >
Peroxisomal bifunctional enzyme < sp|Q9DBM2|ECHP_MOUSE >	Heat shock cognate 71 kDa protein < tr|Q504P4|Q504P4_MOUSE >
60S ribosomal protein L26 < sp|P61255|RL26_MOUSE >	Rab15 protein < tr|Q91YW0|Q91YW0_MOUSE >
ATP synthase subunit d, mitochondrial < sp|Q9DCX2|ATP5H_MOUSE >	Ras-related protein Rab-15 < sp|Q8K386|RAB15_MOUSE >
MCG55033 < tr|G3X9L6|G3X9L6_MOUSE >	UTP--glucose-1-phosphate uridylyltransferase < sp|Q91ZJ5|UGPA_MOUSE >
Histone H2A < tr|F8WIX8|F8WIX8_MOUSE >	Protein Gm17430 < tr|F6RSK3|F6RSK3_MOUSE >
Histone H2A type 2-A < sp|Q6GSS7|H2A2A_MOUSE >	EG627828 protein < tr|B2RXM2|B2RXM2_MOUSE >
Epoxide hydrolase 2C < tr|A8JYK8|A8JYK8_MOUSE >	Heterogeneous nuclear ribonucleoprotein A3 < sp|Q8BG05|ROA3_MOUSE >
Cytochrome b-c1 complex subunit 2, mitochondrial < sp|Q9DB77|QCR2_MOUSE >	Hnrpa3 protein < tr|Q5U3M2|Q5U3M2_MOUSE >
60S ribosomal protein L7a < sp|P12970|RL7A_MOUSE >	Uncharacterized protein < tr|E9Q7H5|E9Q7H5_MOUSE >
Ribosomal protein L7A < tr|Q5EBG5|Q5EBG5_MOUSE >	Adenosylhomocysteinase < tr|Q3U5U5|Q3U5U5_MOUSE >
Prohibitin-2 < sp|O35129|PHB2_MOUSE >	Retinol dehydrogenase 7 < sp|O88451|RDH7_MOUSE >
Cytochrome b5 type B < sp|Q9CQX2|CYB5B_MOUSE >	3-hydroxyacyl-CoA dehydrogenase type-2 < tr|A2AFQ2|A2AFQ2_MOUSE >
Malate dehydrogenase, cytoplasmic < sp|P14152|MDHC_MOUSE >	Phenazine biosynthesis-like domain-containing protein 1 < sp|Q9DCG6|PBLD1_MOUSE >
Histone H1.0 < sp|P10922|H10_MOUSE >	Phenazine biosynthesis-like domain-containing protein 2 < sp|Q9CXN7|PBLD2_MOUSE >
40S ribosomal protein S3 < sp|P62908|RS3_MOUSE >	Cytosolic 10-formyltetrahydrofolate dehydrogenase < sp|Q8R0Y6|AL1L1_MOUSE >
Glutathione S-transferase Mu 1 < sp|P10649|GSTM1_MOUSE >	4-hydroxyphenylpyruvate dioxygenase < sp|P49429|HPPD_MOUSE >
14-3-3 protein theta < sp|P68254|1433T_MOUSE >	D-dopachrome decarboxylase < sp|O35215|DOPD_MOUSE >
Sodium/bile acid cotransporter < sp|O08705|NTCP_MOUSE >	60S ribosomal protein L27a < sp|P14115|RL27A_MOUSE >
Transcription factor BTF3 homolog 4 < sp|Q9CQH7|BT3L4_MOUSE >	4-hydroxy-2-oxoglutarate aldolase, mitochondrial < sp|Q9DCU9|HOGA1_MOUSE >
Protein Acat3 < tr|F2Z459|F2Z459_MOUSE >	Destrin < sp|Q9R0P5|DEST_MOUSE >
Acetyl CoA transferase-like protein < tr|Q8R4V3|Q8R4V3_MOUSE >	Ribosomal protein L14 < tr|Q569Z0|Q569Z0_MOUSE >

Uncharacterized protein < tr|V9GX38|V9GX38_MOUSE >
4-aminobutyrate aminotransferase, mitochondrial < sp|P61922|GABT_MOUSE >
Glycogen [starch] synthase, liver < sp|Q8VCB3|GYS2_MOUSE >
Ubiquitin-like modifier-activating enzyme 1 < sp|Q02053|UBA1_MOUSE >
Fatty acid-binding protein, intestinal < sp|P55050|FABPI_MOUSE >
ATPase, Na+/K+ transporting, alpha 3 polypeptide < tr|Q8VCE0|Q8VCE0_MOUSE >
Inactive phospholipase C-like protein 1 < sp|Q3USB7|PLCL1_MOUSE >
Probable 2-oxoglutarate dehydrogenase E1 component DHKTD1, mitochondrial < sp|A2ATU0|DHTK1_MOUSE >
Sodium/potassium-transporting ATPase subunit alpha-3 < sp|Q6PIC6|AT1A3_MOUSE >
17-beta-hydroxysteroid dehydrogenase type 6 < sp|Q9R092|H17B6_MOUSE >
Protein Agl < tr|F8VPN4|F8VPN4_MOUSE >
Heat shock cognate 71 kDa protein < tr|Q504P4|Q504P4_MOUSE >
Glutathione S-transferase A2 < sp|P10648|GSTA2_MOUSE >
60S ribosomal protein L23 < sp|P62830|RL23_MOUSE >
Long-chain-fatty-acid--CoA ligase 1 < sp|P41216|ACSL1_MOUSE >
Mitochondrial 10-formyltetrahydrofolate dehydrogenase < sp|Q8K009|AL1L2_MOUSE >
Cytochrome P450 2C54 < sp|Q6XVG2|CP254_MOUSE >
Isochorismatase domain-containing protein 2A, mitochondrial < sp|P85094|ISC2A_MOUSE >
D-beta-hydroxybutyrate dehydrogenase, mitochondrial < sp|Q80XN0|BDH_MOUSE >
Clathrin heavy chain < tr|Q5SXR6|Q5SXR6_MOUSE >
Vigilin < sp|Q8VDJ3|VIGLN_MOUSE >

NADH dehydrogenase (Ubiquinone) Fe-S protein 8 < tr|Q8VC72|Q8VC72_MOUSE >	SEC14-like protein 4 < sp|Q8R0F9|S14L4_MOUSE >
NADH dehydrogenase [ubiquinone] iron-sulfur protein 8, mitochondrial < sp|Q8K3J1|NDUS8_MOUSE >	Carboxylesterase 3B < sp|Q8VCU1|EST3B_MOUSE >
Transmembrane emp24 domain-containing protein 9 < sp|Q99KF1|TMED9_MOUSE >	OBOX3 < tr|Q8VHG6|Q8VHG6_MOUSE >
Diaphanous homolog 3 (Drosophila) < tr|Q0VGT1|Q0VGT1_MOUSE >	Alpha-2-macroglobulin < sp|Q61838|A2M_MOUSE >
Protein diaphanous homolog 3 < sp|Q9Z207|DIAP3_MOUSE >	Crystallin, zeta < tr|Q80XR3|Q80XR3_MOUSE >
Ephx1 protein < tr|Q6PEV0|Q6PEV0_MOUSE >	Quinone oxidoreductase < sp|P47199|QOR_MOUSE >
40S ribosomal protein S11 < sp|P62281|RS11_MOUSE >	4921524L21Rik protein < tr|Q80W38|Q80W38_MOUSE >
Protein Mup13 < tr|L7N222|L7N222_MOUSE >	MCG15536 < tr|Q9D5T2|Q9D5T2_MOUSE >
	Glutathione S-transferase theta-1 < tr|D3Z3X5|D3Z3X5_MOUSE >
	Pyrethroid hydrolase Ces2e < sp|Q8BK48|EST2E_MOUSE >
	Guanine nucleotide-binding protein subunit beta-2-like 1 < sp|P68040|GBLP_MOUSE >
	Pyruvate kinase < tr|A7MCU9|A7MCU9_MOUSE >
	Pyruvate kinase PKLR < sp|P53657|KPYR_MOUSE >
	PCTP-like protein < sp|Q9JMD3|PCTL_MOUSE >
	Aldose 1-epimerase < sp|Q8K157|GALM_MOUSE >
	10-formyltetrahydrofolate dehydrogenase < tr|Q8CIF2|Q8CIF2_MOUSE >
	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial < sp|Q8K2B3|SDHA_MOUSE >
	MCG115977 < tr|G3UWG1|G3UWG1_MOUSE >
	Lactoylglutathione lyase < sp|Q9CPU0|LGUL_MOUSE >
	Glutamine synthetase < sp|P15105|GLNA_MOUSE >
	ARL14 effector protein < sp|Q8BIX3|AL14E_MOUSE >
	Glutaryl-CoA dehydrogenase, mitochondrial < sp|Q60759|GCDH_MOUSE >
	Aldo-keto reductase family 1 member C13 < sp|Q8VC28|AK1CD_MOUSE >
	Dihydrodiol dehydrogenase < tr|Q54A37|Q54A37_MOUSE >
	Protein Cyp2d34 < tr|L7N463|L7N463_MOUSE >
	Protein NDRG2 < sp|Q9QYG0|NDRG2_MOUSE >
	Sulfite oxidase, mitochondrial < sp|Q8R086|SUOX_MOUSE >
	4933430I17Rik protein < tr|Q14AX1|Q14AX1_MOUSE >
	Aldehyde dehydrogenase < tr|Q8C5J1|Q8C5J1_MOUSE >
	Dimethylarginine dimethylaminohydrolase 1, isoform CRA_a < tr|D3YU15|D3YU15_MOUSE >
	Signal sequence receptor, delta < tr|Q9D8L3|Q9D8L3_MOUSE >
	Sphingosine 1-phosphate receptor 3 < sp|Q9Z0U9|S1PR3_MOUSE >
	Translocon-associated protein subunit delta < sp|Q62186|SSRD_MOUSE >
	Catalase < sp|P24270|CATA_MOUSE >
	Protein 2010111I01Rik < tr|F8WGB2|F8WGB2_MOUSE >
	2-hydroxyacyl-CoA lyase 1 < sp|Q9QXE0|HACL1_MOUSE >
	Adenosine kinase < sp|P55264|ADK_MOUSE >

Tubulin beta-2B chain < sp|Q9CWF2|TBB2B_MOUSE >
Protein phosphatase 1D < sp|Q9QZ67|PPM1D_MOUSE >
GTP cyclohydrolase 1 feedback regulatory protein < sp|P99025|GFRP_MOUSE >
Histidine ammonia-lyase < sp|P35492|HUTH_MOUSE >
Xin actin-binding repeat-containing protein 2 < sp|Q4U4S6|XIRP2_MOUSE >
Complement C3 < sp|P01027|CO3_MOUSE >
Pyrethroid hydrolase Ces2a < sp|Q8QZR3|EST2A_MOUSE >
Glutathione S-transferase theta 3 < tr|Q99L20|Q99L20_MOUSE >
Isobutyryl-CoA dehydrogenase, mitochondrial < sp|Q9D7B6|ACAD8_MOUSE >
Acyl-coenzyme A synthetase ACSM1, mitochondrial < sp|Q91VA0|ACSM1_MOUSE >
Aldo-keto reductase family 1 member C21 < sp|Q91WR5|AK1CL_MOUSE >
Fibrinogen gamma chain < sp|Q8VCM7|FIBG_MOUSE >
Leucine-rich repeat-containing protein 59 < sp|Q922Q8|LRC59_MOUSE >
40S ribosomal protein S18 < tr|S4R1N6|S4R1N6_MOUSE >
60S ribosomal protein L27 < sp|P61358|RL27_MOUSE >
Tubulin beta-5 chain < sp|P99024|TBB5_MOUSE >
Protein A730017C20Rik < tr|E9Q5J6|E9Q5J6_MOUSE >
Rpl37a protein < tr|Q5M9N6|Q5M9N6_MOUSE >
UPF0258 protein KIAA1024-like homolog < sp|Q8C4X7|K102L_MOUSE >
Homeobox protein Nkx-2.1 < sp|P50220|NKX21_MOUSE >
NK2 homeobox 1 < tr|Q6PFE0|Q6PFE0_MOUSE >
Alpha-1,4 glucan phosphorylase < tr|Q3TJQ7|Q3TJQ7_MOUSE >