

Supl. Table 1. Number of usable ESTs in public database

| Tissue | Normal | Tumor |
|---------------------|------------------|------------------|
| Adipose | 11,724 | 1,607 |
| Adrenal | 9,521 | 12,759 |
| Bone | 13,503 | 26,071 |
| Bone_Marrow | 20,231 | 28,264 |
| Brain | 206,404 | 134,246 |
| Breast | 61,159 | 105,705 |
| Cartilage | 5,673 | 18,549 |
| Cervix | 0 | 32,785 |
| Colon | 23,185 | 153,784 |
| Eye | 28,703 | 48,858 |
| Genitourinary | 1,441 | 36,390 |
| Gi_Tract | 791 | 14,486 |
| Head_n_Neck | 40,123 | 89,953 |
| Kidney | 12,973 | 66,128 |
| Liver | 40,669 | 71,341 |
| Lung | 46,987 | 122,150 |
| Lymph_Node | 44,156 | 52,731 |
| Lymphoreticular | 40,308 | 75,594 |
| Muscle | 30,647 | 40,214 |
| Nervous | 9,909 | 30,559 |
| Ovary | 5,404 | 93,546 |
| Pancreas | 70,784 | 81,321 |
| Peripheral_Nerv | 28,782 | 1,158 |
| Pituitary_Gland | 16,353 | 1,551 |
| Placenta | 131,324 | 42,992 |
| Prostate | 37,143 | 61,750 |
| Retina | 35,223 | 0 |
| Salivary_Gland | 353 | 20,009 |
| Skin | 34,661 | 134,792 |
| Spleen | 12,348 | 0 |
| Stomach | 22,575 | 119,130 |
| Testis | 42,383 | 43,383 |
| Uterus | 5,045 | 152,358 |
| Vascular | 29,816 | 0 |
| <i>Thyroid</i> | 4,995 | 4,018 |
| <i>Pineal_Gland</i> | 8,068 | 0 |
| <i>Soft_Tissue</i> | 315 | 7,631 |
| <i>Heart</i> | 7,541 | 0 |
| <i>Germ_Cell</i> | 0 | 5,254 |
| <i>Esophagus</i> | 87 | 3,618 |
| <i>Wbc</i> | 1,311 | 785 |
| <i>Synovium</i> | 278 | 1,554 |
| <i>Thymus</i> | 1,521 | 141 |
| Total | 1,144,417 | 1,937,165 |

Based on data downloaded on 9/29/03. The tissues that are represented by less than 10,000 total ESTs are italicized and are not included in Figure 1.

Supl Table 2. Tissue-specific genes found from GEPIS screening.

| Tissue | LocusLink | Accession | Symbol | Gene Name |
|-------------|-----------|-----------|-----------|------------------------------------------------------------------------------|
| Adipose | 32 | NM_001093 | ACACB | acetyl-Coenzyme A carboxylase beta |
| Adipose | 57678 | NM_020918 | KIAA1560 | glycerol 3-phosphate acyltransferase, mitochondrial |
| Adrenal | 1584 | NM_000497 | CYP11B1 | cytochrome P450, family 11, subfamily B, polypeptide 1 |
| Adrenal | 3284 | NM_000198 | HSD3B2 | hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2 |
| Bone | 2019 | NM_001426 | EN1 | engrailed homolog 1 |
| Bone | 3381 | NM_004967 | IBSP | integrin-binding sialoprotein (bone sialoprotein, bone sialoprotein II) |
| Bone | 57214 | XM_051860 | KIAA1199 | KIAA1199 protein |
| Bone | 632 | NM_000711 | BGLAP | bone gamma-carboxyglutamate (gla) protein (osteocalcin) |
| Bone | 79787 | NM_024732 | FLJ14351 | hypothetical protein FLJ14351 |
| Bone | 91683 | NM_177963 | SYT12 | synaptotagmin XII |
| Bone_Marrow | 3987 | NM_004987 | LIMS1 | LIM and senescent cell antigen-like domains 1 |
| Brain | 5522 | NM_181876 | PPP2R2C | protein phosphatase 2, regulatory subunit B (PR 52), gamma isoform |
| Cartilage | 54360 | NM_018659 | C17 | cytokine-like protein C17 |
| Cartilage | 84417 | NM_032411 | ECRG4 | esophageal cancer related gene 4 protein |
| Colon | 10071 | AF147790 | MUC12 | transmembrane mucin 12. |
| Colon | 1015 | NM_004063 | CDH17 | cadherin 17, LI cadherin (liver-intestine) |
| Colon | 1179 | NM_001285 | CLCA1 | chloride channel, calcium activated, family member 1 |
| Colon | 123887 | NM_152338 | ZG16 | zymogen granule protein 16 |
| Colon | 1811 | NM_000111 | SLC26A3 | solute carrier family 26, member 3 |
| Colon | 343 | NM_001169 | AQP8 | aquaporin 8 |
| Eye | 11272 | NM_007244 | PROL4 | proline rich 4 (lacrimal) |
| Eye | 1411 | NM_005208 | CRYBA1 | crystallin, beta A1 |
| Eye | 1413 | NM_001886 | CRYBA4 | crystallin, beta A4 |
| Eye | 1414 | NM_001887 | CRYBB1 | crystallin, beta B1 |
| Eye | 1415 | NM_000496 | CRYBB2 | crystallin, beta B2 |
| Eye | 1417 | NM_004076 | CRYBB3 | crystallin, beta B3 |
| Eye | 1427 | NM_017541 | CRYGS | crystallin, gamma S |
| Eye | 286310 | XM_208403 | LOC286310 | similar to Von Ebners gland protein precursor (Lipocalin 1) |
| Eye | 377825 | XM_352806 | LOC377825 | similar to Von Ebners gland protein precursor (Lipocalin 1) |
| Eye | 3859 | NM_000223 | KRT12 | keratin 12 (Meesmann corneal dystrophy) |
| Eye | 3933 | NM_002297 | LCN1 | lipocalin 1 (protein migrating faster than albumin, tear prealbumin) |
| Eye | 3982 | NM_030657 | LIM2 | lens intrinsic membrane protein 2, 19kDa |
| Eye | 51557 | NM_016571 | GLULD1 | glutamate-ammonia ligase (glutamine synthase) domain containing 1 |
| Eye | 58503 | NM_021225 | PROL1 | proline rich 1 |
| Eye | 631 | NM_001195 | BFSP1 | beaded filament structural protein 1, filensin |
| Eye | 8419 | NM_003571 | BFSP2 | beaded filament structural protein 2, phakinin |
| Eye | 90070 | NM_033277 | LACRT | lacritin |
| Head_N_Neck | 285253 | XM_210543 | LOC285253 | similar to mucin - rat (fragment) |
| Head_N_Neck | 338872 | NM_178540 | MGC48915 | hypothetical protein MGC48915 |
| Head_N_Neck | 3546 | M12025 | IGLV | Human Ig rearranged lambda-chain mRNA V-region (VJ) from Burkitt lymphoma, |
| Head_N_Neck | 5788 | NM_080923 | PTPRC | protein tyrosine phosphatase, receptor type, C , transcript variant 4 |
| Head_N_Neck | 931 | NM_152867 | MS4A1 | membrane-spanning 4-domains, subfamily A, member 1 |
| Kidney | 130013 | NM_138326 | ACMSD | aminocarboxymuconate semialdehyde decarboxylase |
| Kidney | 134288 | NM_153217 | MGC13034 | hypothetical protein MGC13034 |
| Kidney | 2326 | NM_002021 | FMO1 | flavin containing monooxygenase 1 |
| Kidney | 3758 | NM_153767 | KCNJ1 | potassium inwardly-rectifying channel, subfamily J, member 1 |
| Kidney | 3772 | NM_170737 | KCNJ15 | potassium inwardly-rectifying channel, subfamily J, member 15 |
| Kidney | 4036 | NM_004525 | LRP2 | low density lipoprotein-related protein 2 |
| Kidney | 55586 | NM_017584 | ALDRL6 | aldehyde reductase like 6 |
| Kidney | 6557 | NM_000338 | SLC12A1 | solute carrier family 12 (Na/K/Cl transporters), member 1 |
| Kidney | 7369 | NM_003361 | UMOD | uromodulin |
| Kidney | 793 | NM_004929 | CALB1 | calbindin 1, 28kDa |
| Kidney | 9376 | NM_004254 | SLC22A8 | solute carrier family 22 (organic anion transporter), member 8 |
| Liver | 1 | NM_130786 | A1BG | alpha-1-B glycoprotein |
| Liver | 10599 | NM_006446 | SLC21A6 | solute carrier family 21 (organic anion transporter), member 6 |
| Liver | 10877 | NM_006684 | FHR-4 | complement factor H-related 4 |
| Liver | 1109 | NM_001818 | AKR1C4 | aldo-keto reductase family 1, member C4 |
| Liver | 116842 | NM_052971 | LEAP-2 | liver-expressed antimicrobial peptide 2 |
| Liver | 116844 | NM_052972 | LRG | leucine-rich alpha-2-glycoprotein |
| Liver | 125488 | NM_153211 | FLJ33761 | hypothetical protein FLJ33761 |
| Liver | 127 | NM_000670 | ADH4 | alcohol dehydrogenase 4 (class II), pi polypeptide |
| Liver | 1361 | NM_016413 | CPB2 | carboxypeptidase B2 (plasma, carboxypeptidase U) |
| Liver | 1401 | NM_000567 | CRP | C-reactive protein, pentraxin-related |
| Liver | 1548 | NM_000762 | CYP2A6 | cytochrome P450, family 2, subfamily A, polypeptide 6 |
| Liver | 1549 | NM_030589 | CYP2A7 | cytochrome P450, family 2, subfamily A, polypeptide 7 |
| Liver | 1557 | NM_000769 | CYP2C19 | cytochrome P450, family 2, subfamily C, polypeptide 19 |
| Liver | 1558 | NM_030878 | CYP2C8 | cytochrome P450, family 2, subfamily C, polypeptide 8 |
| Liver | 1559 | NM_000771 | CYP2C9 | cytochrome P450, family 2, subfamily C, polypeptide 9 |
| Liver | 1565 | NM_000106 | CYP2D6 | cytochrome P450, family 2, subfamily D, polypeptide 6 |
| Liver | 1571 | NM_000773 | CYP2E1 | cytochrome P450, family 2, subfamily E, polypeptide 1 |

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|-----------------|--------|-----------|---------------|---------------------------------------------------------------------------------|
| Liver | 197 | NM_001622 | AHSG | alpha-2-HS-glycoprotein |
| Liver | 2147 | NM_000506 | F2 | coagulation factor II (thrombin) |
| Liver | 2243 | NM_021871 | FGA | fibrinogen, A alpha polypeptide |
| Liver | 259 | NM_001633 | AMBP | alpha-1-microglobulin/bikunin precursor |
| Liver | 28234 | NM_019844 | SLC21A8 | solute carrier family 21 (organic anion transporter), member 8 |
| Liver | 3053 | NM_000185 | SERPIND1 | serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1 |
| Liver | 3080 | NM_005666 | HFL3 | H factor (complement)-like 3 |
| Liver | 3263 | NM_000613 | HPX | hemopexin |
| Liver | 3273 | NM_000412 | HRG | histidine-rich glycoprotein |
| Liver | 336 | NM_001643 | APOA2 | apolipoprotein A-II |
| Liver | 345 | NM_000040 | APOC3 | apolipoprotein C-III |
| Liver | 346 | NM_001646 | APOC4 | apolipoprotein C-IV |
| Liver | 3697 | NM_002215 | ITIH1 | inter-alpha (globulin) inhibitor, H1 polypeptide |
| Liver | 3699 | NM_002217 | ITIH3 | pre-alpha (globulin) inhibitor, H3 polypeptide |
| Liver | 3700 | NM_002218 | ITIH4 | inter-alpha (globulin) inhibitor H4 (plasma Kallikrein-sensitive glycoprotein) |
| Liver | 4153 | NM_000242 | MBL2 | mannose-binding lectin (protein C) 2, soluble (opsonic defect) |
| Liver | 54988 | NM_017888 | FLJ20581 | hypothetical protein FLJ20581 |
| Liver | 570 | NM_001701 | BAA1 | bile acid Coenzyme A: amino acid N-acyltransferase |
| Liver | 6291 | NM_006512 | SAA4 | serum amyloid A4, constitutive |
| Liver | 6514 | NM_000340 | SLC2A2 | solute carrier family 2 (facilitated glucose transporter), member 2 |
| Liver | 6999 | NM_005651 | TDO2 | tryptophan 2,3-dioxygenase |
| Liver | 725 | NM_000716 | C4BPB | complement component 4 binding protein, beta |
| Liver | 731 | NM_000562 | C8A | complement component 8, alpha polypeptide |
| Liver | 735 | NM_001737 | C9 | complement component 9 |
| Lung | 55592 | NM_017600 | DKFZp434M0331 | hypothetical protein DKFZp434M0331 |
| Lung | 6435 | NM_005411 | SFTPA1 | surfactant, pulmonary-associated protein A1 |
| Lymphoreticular | 374962 | XM_351242 | LOC374962 | similar to mutant membrane protein RhCe |
| Lymphoreticular | 6006 | NM_138618 | RHCE | Rhesus blood group, CcEe antigens |
| Lymphoreticular | 6007 | NM_016225 | RHD | Rhesus blood group, D antigen |
| Lymph_Node | 115352 | NM_052939 | FCRH3 | Fc receptor-like protein 3 |
| Lymph_Node | 5452 | NM_002698 | POU2F2 | POU domain, class 2, transcription factor 2 |
| Lymph_Node | 57379 | NM_020661 | AICDA | activation-induced cytidine deaminase |
| Lymph_Node | 7456 | NM_003387 | WASPIP | Wiskott-Aldrich syndrome protein interacting protein |
| Lymph_Node | 89857 | NM_130446 | KLHL6 | kelch-like 6 (Drosophila) |
| Lymph_Node | 92017 | XM_042234 | LOC92017 | similar to RIKEN cDNA 4933437K13 |
| Lymph_Node | 939 | NM_001242 | TNFRSF7 | tumor necrosis factor receptor superfamily, member 7 |
| Muscle | 10345 | NM_006073 | TRDN | triadin |
| Muscle | 10930 | NM_006789 | APOBEC2 | apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2 |
| Muscle | 118461 | XM_060969 | LOC118461 | LOC118461 |
| Muscle | 128826 | NM_178463 | C20orf166 | chromosome 20 open reading frame 166 |
| Muscle | 1339 | NM_005205 | COX6A2 | cytochrome c oxidase subunit VIa polypeptide 2 |
| Muscle | 200539 | NM_144994 | DARP | diabetes related ankyrin repeat protein |
| Muscle | 2027 | NM_053013 | ENO3 | enolase 3, (beta, muscle) , transcript variant 2 |
| Muscle | 205251 | NM_174925 | LOC205251 | hypothetical protein LOC205251 |
| Muscle | 219537 | XM_166203 | LOC219537 | similar to RIKEN cDNA 1110030K22 |
| Muscle | 255798 | XM_173087 | LOC255798 | hypothetical protein LOC255798 |
| Muscle | 26287 | NM_020349 | ANKRD2 | ankyrin repeat domain 2 (stretch responsive muscle) |
| Muscle | 29895 | NM_013292 | HUMMLC2B | myosin light chain 2 |
| Muscle | 4606 | NM_004533 | MYBPC2 | myosin binding protein C, fast type |
| Muscle | 51807 | NM_018943 | TUBA8 | tubulin, alpha 8 |
| Muscle | 5837 | NM_005609 | PYGM | phosphorylase, glycogen; muscle |
| Muscle | 58529 | NM_021245 | MYOZ1 | myozenin 1 |
| Muscle | 6123 | NM_005061 | RPL3L | ribosomal protein L3-like |
| Muscle | 6588 | NM_003063 | SLN | sarcolipin |
| Muscle | 7140 | NM_006757 | TNNT3 | troponin T3, skeletal, fast |
| Muscle | 844 | NM_001231 | CASQ1 | calcisequestrin 1 (fast-twitch, skeletal muscle) |
| Muscle | 85366 | NM_033118 | MYLK2 | myosin light chain kinase 2, skeletal muscle |
| Muscle | 8557 | NM_003673 | TCAP | titin-cap (telethonin) |
| Pancreas | 10136 | NM_005747 | ELA3A | elastase 3A, pancreatic (protease E) |
| Pancreas | 11330 | NM_007272 | CTRC | chymotrypsin C (caldecrin) |
| Pancreas | 1208 | NM_001832 | CLPS | colipase, pancreatic |
| Pancreas | 133993 | XM_068632 | LOC133993 | LOC133993 |
| Pancreas | 1357 | NM_001868 | CPA1 | carboxypeptidase A1 (pancreatic) |
| Pancreas | 1358 | NM_001869 | CPA2 | carboxypeptidase A2 (pancreatic) |
| Pancreas | 1504 | NM_001906 | CTRB1 | chymotrypsinogen B1 |
| Pancreas | 154754 | NR_001296 | TRY6 | trypsinogen C on chromosome 7 |
| Pancreas | 23436 | NM_007352 | ELA3B | elastase 3B, pancreatic |
| Pancreas | 2572 | NM_000818 | GAD2 | glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa) |
| Pancreas | 2813 | NM_001502 | GP2 | glycoprotein 2 (zymogen granule membrane) |
| Pancreas | 3375 | NM_000415 | IAPP | islet amyloid polypeptide |
| Pancreas | 339102 | XM_290244 | LOC339102 | similar to Chymotrypsinogen B precursor |
| Pancreas | 3630 | NM_000207 | INS | insulin |
| Pancreas | 4760 | NM_002500 | NEUROD1 | neurogenic differentiation 1 |

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|-----------------|--------|-----------|-----------|-----------------------------------------------------------------------------------|
| Pancreas | 51032 | NM_015849 | ELA2B | pancreatic elastase IIB |
| Pancreas | 5319 | NM_000928 | PLA2G1B | phospholipase A2, group IB (pancreas) |
| Pancreas | 5406 | NM_000936 | PNLIP | pancreatic lipase |
| Pancreas | 5407 | NM_006229 | PNLIPRP1 | pancreatic lipase-related protein 1 |
| Pancreas | 5408 | NM_005396 | PNLIPRP2 | pancreatic lipase-related protein 2 |
| Pancreas | 55997 | NM_032545 | CRYPTIC | cryptic gene |
| Pancreas | 5644 | NM_002769 | PRSS1 | protease, serine, 1 (trypsin 1) |
| Pancreas | 5646 | NM_002771 | PRSS3 | protease, serine, 3 (mesotrypsin) |
| Pancreas | 63036 | NM_033440 | ELA2A | elastase 2A |
| Pancreas | 6833 | NM_000352 | ABCC8 | ATP-binding cassette, sub-family C (CFTR/MRP), member 8 |
| Pancreas | 6861 | NM_003180 | SYT5 | synaptotagmin V |
| Pituitary_Gland | 155370 | BC010183 | SBDSP | SBDSP protein. |
| Pituitary_Gland | 284485 | XM_351296 | FLJ36032 | hypothetical protein FLJ36032 |
| Pituitary_Gland | 3972 | NM_000894 | LHB | lutinizing hormone beta polypeptide |
| Placenta | 10148 | NM_005755 | EBI3 | Epstein-Barr virus induced gene 3 |
| Placenta | 1082 | NM_000737 | CGB | chorionic gonadotropin, beta polypeptide |
| Placenta | 114335 | NM_033377 | CGB1 | chorionic gonadotropin, beta polypeptide 1 |
| Placenta | 114336 | NM_033378 | CGB2 | chorionic gonadotropin, beta polypeptide 2 |
| Placenta | 284344 | AK097672 | LOC284344 | cDNA FLJ40353 fis, weakly similar to BILIARY GLYCOPROTEIN 1 |
| Placenta | 30816 | NM_014590 | ERVWE1 | endogenous retroviral family W, env(C7), member 1 (syncytin) |
| Placenta | 374911 | XM_351199 | LOC374911 | similar to F19434_2 |
| Placenta | 3814 | NM_002256 | KISS1 | KiSS-1 metastasis-suppressor |
| Placenta | 5676 | NM_002783 | PSG7 | pregnancy specific beta-1-glycoprotein 7 |
| Placenta | 5678 | NM_002784 | PSG9 | pregnancy specific beta-1-glycoprotein 9 |
| Placenta | 5680 | NM_002785 | PSG11 | pregnancy specific beta-1-glycoprotein 11 |
| Placenta | 60676 | NM_021936 | PLAC3 | placenta-specific 3, transcript variant 2 |
| Placenta | 93659 | NM_033043 | CGB5 | chorionic gonadotropin, beta polypeptide 5 |
| Placenta | 94027 | NM_033142 | CGB7 | chorionic gonadotropin, beta polypeptide 7 |
| Placenta | 94115 | NM_033183 | CGB8 | chorionic gonadotropin, beta polypeptide 8 |
| Prostate | 118425 | NM_058168 | GDEP | gene differentially expressed in prostate |
| Prostate | 378254 | XM_353733 | LOC378254 | similar to T-cell receptor gamma chain C region PT-gamma-1/2 |
| Prostate | 4824 | NM_006167 | NKX3-1 | NK3 transcription factor related, locus 1 (Drosophila) |
| Prostate | 6406 | NM_003007 | SEMG1 | semenogelin I |
| Prostate | 6407 | NM_003008 | SEMG2 | semenogelin II |
| Prostate | 6983 | M16768 | TRGV9 | TCR-gamma mRNA. |
| Prostate | 7047 | NM_003241 | TGM4 | transglutaminase 4 (prostate) |
| Retina | 10991 | NM_006841 | SLC38A3 | solute carrier family 38, member 3 |
| Retina | 23746 | NM_014336 | AIPL1 | aryl hydrocarbon receptor interacting protein-like 1 |
| Retina | 24 | NM_000350 | ABCA4 | ATP-binding cassette, sub-family A (ABC1), member 4 |
| Retina | 26207 | NM_181671 | PITPNC1 | phosphatidylinositol transfer protein, cytoplasmic 1 |
| Retina | 2779 | NM_144499 | GNAT1 | guanine nucleotide binding protein, alpha transducing activity polypeptide 1 |
| Retina | 2978 | NM_000409 | GUCA1A | guanylate cyclase activator 1A (retina) |
| Retina | 3617 | NM_001563 | IMPG1 | interphotoreceptor matrix proteoglycan 1 |
| Retina | 4901 | NM_006177 | NRL | neural retina leucine zipper |
| Retina | 51332 | NM_016642 | SPTBN5 | spectrin, beta, non-erythrocytic 5 |
| Retina | 5145 | NM_000440 | PDE6A | phosphodiesterase 6A, cGMP-specific, rod, alpha |
| Retina | 5148 | NM_002602 | PDE6G | phosphodiesterase 6G, cGMP-specific, rod, gamma |
| Retina | 56651 | NM_031416 | C18orf2 | chromosome 18 open reading frame 2 |
| Retina | 56978 | NM_020226 | PRDM8 | PR domain containing 8 |
| Retina | 5957 | NM_002903 | RCV1 | recoverin |
| Retina | 6010 | NM_000539 | RHO | rhodopsin (opsin 2, rod pigment) |
| Retina | 6017 | NM_000326 | RLBP1 | retinaldehyde binding protein 1 |
| Retina | 6295 | NM_000541 | SAG | S-antigen; retina and pineal gland (arrestin) |
| Retina | 7021 | NM_003221 | TFAP2B | transcription factor AP-2 beta (activating enhancer binding protein 2 beta) |
| Retina | 84839 | NM_032753 | MGC15631 | hypothetical protein MGC15631 |
| Salivary_Gland | 3346 | NM_002159 | HTN1 | histatin 1 |
| Salivary_Gland | 3347 | NM_000200 | HTN3 | histatin 3 |
| Salivary_Gland | 5555 | NM_005042 | PRH2 | proline-rich protein HaeIII subfamily 2 |
| Salivary_Gland | 6779 | NM_003154 | STATH | statherin |
| Skin | 11283 | NM_007253 | CYP4F8 | cytochrome P450, family 4, subfamily F, polypeptide 8 |
| Skin | 162073 | XM_091331 | LOC162073 | hypothetical protein LOC162073 |
| Skin | 2315 | NM_005511 | MLANA | melan-A |
| Skin | 23205 | NM_015162 | BG1 | lipidosin |
| Skin | 284195 | XM_209069 | LOC284195 | similar to Keratin, type I cytoskeletal 14 |
| Skin | 338785 | NM_175834 | KRT6L | keratin 6L |
| Skin | 3848 | NM_006121 | KRT1 | keratin 1 (epidermolytic hyperkeratosis) |
| Skin | 4435 | NM_004143 | CITED1 | Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1 |
| Skin | 810 | NM_005185 | CALML3 | calmodulin-like 3 |
| Skin | 83401 | NM_152310 | ELOVL3 | elongation of very long chain fatty acids-like 3 |
| Spleen | 129080 | NM_133455 | EMU1 | emilin and multimerin-domain containing protein 1 |
| Spleen | 146433 | NM_152456 | MGC34647 | hypothetical protein MGC34647 |
| Spleen | 221299 | XM_166305 | LOC221299 | similar to RIKEN cDNA A630077B13 gene; RIKEN cDNA 2810048G1 |
| Spleen | 2232 | NM_024417 | FDXR | ferredoxin reductase, nuclear gene encoding mitochondrial protein |

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|---------|--------|-----------|---------------|----------------------------------------------------------------------------|
| Spleen | 375212 | XM_351443 | LOC375212 | similar to short-chain dehydrogenase/reductase 1 |
| Spleen | 5051 | NM_000437 | PAFAH2 | platelet-activating factor acetylhydrolase 2, 40kDa |
| Spleen | 54857 | NM_017711 | FLJ20207 | hypothetical protein FLJ20207 |
| Spleen | 922 | NM_005894 | CD5L | CD5 antigen-like (scavenger receptor cysteine rich family) |
| Stomach | 139596 | NM_145052 | MGC23937 | hypothetical protein MGC23937 similar to CG4798 |
| Stomach | 140453 | XM_168583 | MUC17 | mucin 17 |
| Stomach | 148170 | NM_145057 | CDC42EP5 | CDC42 effector protein (Rho GTPase binding) 5 |
| Stomach | 2520 | NM_000805 | GAS | gastrin |
| Stomach | 375433 | XM_353366 | LOC375433 | LOC375433 |
| Stomach | 4588 | XM_290540 | MUC6 | mucin 6, gastric |
| Stomach | 54855 | NM_017709 | FLJ20202 | hypothetical protein FLJ20202 |
| Stomach | 56287 | NM_019617 | AMP18 | 18 kDa antrum mucosa protein |
| Stomach | 7031 | NM_003225 | TFF1 | trefoil factor 1 (breast cancer, estrogen-inducible sequence expressed in) |
| Stomach | 7032 | NM_005423 | TFF2 | trefoil factor 2 (spasmolytic protein 1) |
| Stomach | 7293 | NM_003327 | TNFRSF4 | tumor necrosis factor receptor superfamily, member 4 |
| Stomach | 8000 | NM_005672 | PSCA | prostate stem cell antigen |
| Stomach | 8513 | NM_004190 | LIPF | lipase, gastric |
| Testis | 127255 | NM_145258 | MGC22773 | hypothetical protein MGC22773 |
| Testis | 127540 | NM_145205 | LOC127540 | HMG2 like |
| Testis | 128229 | NM_144627 | SSTK-IP | SSTK-interacting protein |
| Testis | 129881 | XM_059384 | LOC129881 | LOC129881 |
| Testis | 132851 | NM_144644 | TSARG2 | testis and spermatogenesis cell related protein 2 |
| Testis | 256309 | NM_152775 | MGC33607 | hypothetical protein MGC33607 |
| Testis | 3948 | NM_017448 | LDHC | lactate dehydrogenase C |
| Testis | 56000 | NM_022052 | NXF3 | nuclear RNA export factor 3 |
| Testis | 5619 | NM_002761 | PRM1 | protamine 1 |
| Testis | 5620 | NM_002762 | PRM2 | protamine 2 |
| Testis | 56311 | NM_019644 | ANKRD7 | ankyrin repeat domain 7 |
| Testis | 7180 | NM_003296 | CRISP2 | cysteine-rich secretory protein 2 |
| Testis | 84072 | NM_032132 | DKFZP434A1315 | hypothetical protein DKFZp434A1315 |
| Testis | 84690 | NM_032598 | NYD-SP20 | testes development-related NYD-SP20 |
| Testis | 84791 | NM_032705 | MGC14801 | hypothetical protein MGC14801 |

Supl Table 3. Tumor-specific genes found from GEPIS screening.

| Tissue | LocusLink | Accession | Symbol | Gene Name |
|-------------|-----------|-----------|-----------|-----------------------------------------------------------------|
| Bone | 1280 | NM_033150 | COL2A1 | collagen, type II, alpha 1 |
| Bone | 1302 | NM_080681 | COL11A2 | collagen, type XI, alpha 2 |
| Bone | 3887 | NM_002281 | KRTHB1 | keratin, hair, basic, 1 |
| Bone | 3890 | NM_033045 | KRTHB4 | keratin, hair, basic, 4 |
| Bone | 4148 | NM_002381 | MATN3 | matrilin 3 |
| Bone | 55165 | NM_018131 | C10orf3 | chromosome 10 open reading frame 3 |
| Bone_Marrow | 129607 | XM_059368 | LOC129607 | hypothetical protein LOC129607 |
| Bone_Marrow | 132321 | NM_173487 | LOC132321 | hypothetical protein LOC132321 |
| Bone_Marrow | 137835 | NM_144649 | FLJ33069 | hypothetical protein FLJ33069 |
| Bone_Marrow | 1478 | NM_001325 | CSTF2 | cleavage stimulation factor, 3' pre-RNA, subunit 2 |
| Bone_Marrow | 149233 | NM_144701 | IL23R | interleukin-23 receptor |
| Bone_Marrow | 203190 | NM_139278 | LG13 | leucine-rich repeat LGI family, member 3 |
| Bone_Marrow | 27434 | NM_013284 | POLM | polymerase (DNA directed), mu |
| Bone_Marrow | 3070 | NM_018063 | HELLS | helicase, lymphoid-specific |
| Bone_Marrow | 340576 | XM_293382 | LOC340576 | similar to eukaryotic translation elongation factor 1 alpha 1; |
| Bone_Marrow | 51194 | NM_016338 | IPO11 | importin 11 |
| Bone_Marrow | 55622 | NM_017735 | FLJ20272 | hypothetical protein FLJ20272 |
| Bone_Marrow | 57396 | NM_020666 | CLK4 | CDC-like kinase 4 |
| Bone_Marrow | 5984 | NM_181573 | RFC4 | replication factor C (activator 1) 4 |
| Bone_Marrow | 5990 | NM_134433 | RFX2 | regulatory factor X, 2 |
| Bone_Marrow | 80008 | NM_024943 | FLJ23235 | hypothetical protein FLJ23235 |
| Bone_Marrow | 84782 | NM_032696 | LOC84782 | hypothetical protein MGC12262 |
| Bone_Marrow | 84938 | NM_178221 | AUTL1 | AUT-like 1, cysteine endopeptidase |
| Bone_Marrow | 84941 | NM_032855 | HS2 | hematopoietic SH2 protein |
| Bone_Marrow | 932 | NM_006138 | MS4A3 | membrane-spanning 4-domains, subfamily A, member 3 |
| Brain | 10215 | NM_005806 | OLIG2 | oligodendrocyte lineage transcription factor 2 |
| Brain | 114787 | NM_052899 | KIAA1893 | G protein-regulated inducer of neurite outgrowth 1 |
| Brain | 116448 | AL834450 | LOC116448 | hypothetical protein |
| Brain | 129807 | NM_080741 | NEU4 | sialidase 4 |
| Brain | 2840 | NM_005291 | GPR17 | G protein-coupled receptor 17 |
| Brain | 30812 | NM_014587 | SOX8 | SRY (sex determining region Y)-box 8 |
| Brain | 347265 | XM_294590 | LOC347265 | similar to bA13B9.3 (novel protein similar to KRT8) |
| Brain | 401 | NM_005169 | PHOX2A | paired-like (aristaless) homeobox 2a |
| Brain | 55135 | NM_018081 | FLJ10385 | hypothetical protein FLJ10385 |
| Brain | 56961 | XM_031857 | SHD | hypothetical protein from EUROIMAGE 2168212 |
| Brain | 57642 | XM_028834 | KIAA1510 | KIAA1510 protein |
| Brain | 5979 | NM_020975 | RET | ret proto-oncogene |
| Brain | 63827 | NM_021948 | BCAN | chondroitin sulfate proteoglycan BEHAB/brevican |
| Brain | 7301 | NM_006293 | TYRO3 | TYRO3 protein tyrosine kinase |
| Brain | 78989 | NM_024027 | COLEC11 | collectin sub-family member 11 |
| Brain | 80758 | NM_030567 | MGC10772 | hypothetical protein MGC10772 |
| Brain | 84774 | BC005081 | LOC84774 | Homo sapiens, clone IMAGE:3618761 |
| Breast | 139272 | XM_066606 | LOC139272 | similar to Eukaryotic translation initiation factor 4B (eIF-4B) |
| Breast | 167153 | NM_173797 | FLJ38499 | hypothetical protein FLJ38499 |
| Breast | 25803 | NM_012391 | PDEF | prostate epithelium-specific Ets transcription factor |
| Breast | 283352 | AK097496 | LOC283352 | cDNA FLJ40177 fis, clone TEST12017816 |
| Breast | 4250 | NM_002411 | SCGB2A2 | secretoglobin, family 2A, member 2 |
| Breast | 57667 | XM_042301 | KIAA1546 | KIAA1546 protein |
| Breast | 8839 | NM_003881 | WISP2 | WNT1 inducible signaling pathway protein 2 |
| Breast | 983 | NM_033379 | CDC2 | cell division cycle 2, G1 to S and G2 to M |
| Colon | 200879 | NM_139248 | LIPH | lipase, member H |
| Colon | 205564 | NM_152699 | MGC27076 | hypothetical protein MGC27076 |
| Colon | 27035 | NM_013955 | NOX1 | NADPH oxidase 1 |
| Colon | 2859 | NM_005301 | GPR35 | G protein-coupled receptor 35 |
| Colon | 339 | NM_005889 | APOBEC1 | apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1 |
| Colon | 8357 | NM_003536 | H3FK | histone 1, H3h (HIST1H3H) |
| Eye | 10439 | NM_058199 | OLFM1 | olfactomedin 1 |
| Eye | 10824 | L22650 | LOC10824 | early lymphoid activation protein |
| Eye | 11013 | NM_021992 | TMSNB | thymosin, beta, identified in neuroblastoma cells |
| Eye | 112885 | NM_138415 | LOC112885 | hypothetical protein BC012187 |
| Eye | 115948 | NM_145045 | MGC20983 | hypothetical protein MGC20983 |
| Eye | 1406 | NM_000554 | CRX | cone-rod homeobox |
| Eye | 193629 | AF490769 | C21orf109 | chromosome 21 open reading frame 109 |
| Eye | 201194 | AK022617 | LOC201194 | cDNA FLJ12555 fis, clone NT2RM4000764 |

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|-------------|--------|-----------|-----------|------------------------------------------------------------------------------|
| Eye | 23560 | NM_012341 | GTPBP4 | GTP binding protein 4 |
| Eye | 2562 | NM_021912 | GABRB3 | gamma-aminobutyric acid (GABA) A receptor, beta 3 |
| Eye | 259307 | NM_172374 | IL4I1 | interleukin 4 induced 1 |
| Eye | 2780 | NM_005272 | GNAT2 | guanine nucleotide binding protein, alpha transducing activity polypeptide 2 |
| Eye | 283576 | NM_174976 | C14orf59 | chromosome 14 open reading frame 59 |
| Eye | 284260 | XM_211408 | LOC284260 | LOC284260 |
| Eye | 343035 | NM_183059 | LOC343035 | chromosome 1 open reading frame 36 (C1orf36) |
| Eye | 376965 | XM_352485 | LOC376965 | similar to ATP synthase alpha chain, mitochondrial precursor |
| Eye | 4613 | NM_005378 | MYCN | v-myc myelocytomatosis viral related oncogene, neuroblastoma derived |
| Eye | 54478 | NM_019013 | FLJ10156 | hypothetical protein FLJ10156 |
| Eye | 57505 | XM_291190 | AARSL | KIAA1270 protein |
| Eye | 64072 | NM_052836 | CDH23 | cadherin related 23 |
| Eye | 6512 | NM_006671 | SLC1A7 | solute carrier family 1 (glutamate transporter), member 7 |
| Eye | 6752 | NM_001050 | SSTR2 | somatostatin receptor 2 |
| Eye | 79187 | NM_024333 | FSD1 | fibronectin type 3 and SPRY domain-containing protein |
| Eye | 84063 | NM_032123 | KIRREL2 | kin of IRRE like 2 |
| Eye | 84221 | NM_032261 | C21orf56 | chromosome 21 open reading frame 56 |
| Eye | 9024 | NM_003957 | STK29 | serine/threonine kinase 29 |
| Eye | 9050 | NM_024430 | PSTPIP2 | proline-serine-threonine phosphatase interacting protein 2 |
| Eye | 9136 | NM_004704 | RNU3IP2 | RNA, U3 small nucleolar interacting protein 2 |
| Eye | 91664 | XM_039908 | LOC91664 | hypothetical protein BC007307 |
| Eye | 92312 | XM_044166 | LOC92312 | hypothetical protein LOC92312 |
| Eye | 93145 | NM_058164 | OLFM2 | olfactomedin 2 |
| Eye | 9658 | NM_014643 | KIAA0222 | KIAA0222 gene product |
| Head_N_Neck | 10838 | XM_351933 | ZNF275 | zinc finger protein 275 |
| Head_N_Neck | 128553 | NM_173485 | C20orf17 | chromosome 20 open reading frame 17 |
| Head_N_Neck | 130557 | NM_144631 | FLJ32203 | hypothetical protein FLJ32203 |
| Head_N_Neck | 1308 | NM_130778 | COL17A1 | collagen, type XVII, alpha 1 |
| Head_N_Neck | 147657 | NM_144684 | MGC32104 | hypothetical protein MGC32104 |
| Head_N_Neck | 165545 | NM_133637 | DQX1 | DEAQ RNA-dependent ATPase DQX1 |
| Head_N_Neck | 1830 | NM_001944 | DSG3 | desmoglein 3 (pemphigus vulgaris antigen) |
| Head_N_Neck | 220213 | XM_166659 | LOC220213 | LOC220213 |
| Head_N_Neck | 284195 | XM_209069 | LOC284195 | similar to Keratin, type I cytoskeletal 14 |
| Head_N_Neck | 338324 | NM_176823 | S100A15 | S100 calcium binding protein A15 |
| Head_N_Neck | 339991 | XM_293746 | LOC339991 | similar to pendulin |
| Head_N_Neck | 344758 | XM_293580 | PGR10 | G protein-coupled receptor PGR10 |
| Head_N_Neck | 374378 | XM_350823 | LOC374378 | similar to Hypothetical protein LOC233733 |
| Head_N_Neck | 374775 | XM_351104 | LOC374775 | similar to Keratin, type I cytoskeletal 14 |
| Head_N_Neck | 3850 | NM_057088 | KRT3 | keratin 3 |
| Head_N_Neck | 51206 | NM_016363 | GP6 | glycoprotein VI (platelet) |
| Head_N_Neck | 51350 | NM_015848 | HUMCYT2A | cytokeratin 2 |
| Head_N_Neck | 5545 | NM_002723 | PRB4 | proline-rich protein BstNI subfamily 4 |
| Head_N_Neck | 5554 | NM_006250 | PRH1 | proline-rich protein HaeIII subfamily 1 |
| Head_N_Neck | 5555 | NM_005042 | PRH2 | proline-rich protein HaeIII subfamily 2 |
| Head_N_Neck | 57129 | NM_177988 | MRPL47 | mitochondrial ribosomal protein L47 |
| Head_N_Neck | 6278 | NM_002963 | S100A7 | S100 calcium binding protein A7 (psoriasis 1) |
| Head_N_Neck | 6698 | NM_005987 | SPRR1A | small proline-rich protein 1A |
| Head_N_Neck | 6699 | NM_003125 | SPRR1B | small proline-rich protein 1B (cornifin) |
| Head_N_Neck | 6700 | NM_005988 | SPRR2A | small proline-rich protein 2A |
| Head_N_Neck | 6701 | NM_006945 | SPRR2B | small proline-rich protein 2B |
| Head_N_Neck | 7038 | NM_003235 | TG | thyroglobulin |
| Head_N_Neck | 79656 | NM_024603 | FLJ11588 | hypothetical protein FLJ11588 |
| Head_N_Neck | 79959 | NM_024899 | FLJ12542 | hypothetical protein FLJ12542 |
| Head_N_Neck | 80381 | NM_025240 | B7H3 | B7 homolog 3 |
| Head_N_Neck | 84651 | NM_032566 | ECG2 | esophagus cancer-related gene-2 |
| Liver | 10587 | NM_145748 | TXNRD2 | thioredoxin reductase 2 |
| Liver | 10642 | NM_006546 | IMP-1 | IGF-II mRNA-binding protein 1 |
| Liver | 114609 | NM_148910 | TIRAP | toll-interleukin 1 receptor (TIR) domain containing adaptor protein |
| Liver | 116843 | NM_052831 | dJ55C23.6 | dJ55C23.6 gene |
| Liver | 124637 | NM_144607 | FLJ32499 | hypothetical protein FLJ32499 |
| Liver | 1852 | NM_001395 | DUSP9 | dual specificity phosphatase 9 |
| Liver | 200772 | BC040629 | LOC200772 | Homo sapiens, clone IMAGE:5745636 |
| Liver | 23401 | NM_012083 | FRAT2 | frequently rearranged in advanced T-cell lymphomas 2 |
| Liver | 2535 | NM_001466 | FZD2 | frizzled homolog 2 (Drosophila) |
| Liver | 259232 | NM_052867 | VGCNL1 | voltage gated channel like 1 |
| Liver | 2593 | NM_138924 | GAMT | guanidinoacetate N-methyltransferase |
| Liver | 26709 | AA516369 | LOC26709 | similar to TR:G601919 OLFACTORY RECEPTOR-LIKE PROTEIN. |
| Liver | 286327 | XM_210011 | LOC286327 | similar to Ribosome biogenesis protein BMS1 homolog |

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|-----------------|--------|-----------|-----------|---------------------------------------------------------------------|
| Liver | 286425 | XM_208420 | LOC286425 | similar to hexokinase 2; hexokinase-2, muscle |
| Liver | 340385 | XM_291261 | LOC340385 | similar to zinc finger protein 16 (KOX 9) |
| Liver | 340450 | XM_295252 | LOC340450 | LOC340450 |
| Liver | 346170 | XM_294092 | LOC346170 | similar to seven transmembrane helix receptor |
| Liver | 4750 | XM_291107 | NEK1 | NIMA (never in mitosis gene a)-related kinase 1 |
| Liver | 54675 | NM_019095 | C20orf155 | chromosome 20 open reading frame 155 |
| Liver | 56652 | NM_021830 | C10orf2 | chromosome 10 open reading frame 2 |
| Liver | 79680 | NM_024627 | FLJ21125 | hypothetical protein FLJ21125 |
| Liver | 81059 | N30823 | LOC81059 | similar to P23275 OLFACTORY RECEPTOR OR3 |
| Liver | 81062 | BE049618 | LOC81062 | similar to TR:Q63588 PUTATIVE OLFACTORY RECEPTOR |
| Liver | 81063 | AW173797 | LOC81063 | similar to TR:Q63394 OL1 RECEPTOR. |
| Liver | 81064 | AA922722 | LOC81064 | similar to OLFACTORY RECEPTOR-LIKE PROTEIN FAT11. |
| Liver | 84964 | NM_032878 | MGC15677 | hypothetical protein MGC15677 |
| Liver | 85006 | NM_032920 | MGC15873 | chromosome 21 open reading frame 124 (C21orf124) |
| Liver | 85297 | XM_353140 | KAP2.1B | keratin associated protein 2.1B |
| Liver | 85407 | NM_033119 | NKD1 | naked cuticle homolog 1 |
| Liver | 9244 | NM_004750 | CRLF1 | cytokine receptor-like factor 1 |
| Lung | 11035 | NM_006871 | RIPK3 | receptor-interacting serine-threonine kinase 3 |
| Lung | 1241 | NM_181657 | LTB4R | leukotriene B4 receptor |
| Lung | 157254 | NM_152561 | FLJ32205 | hypothetical protein FLJ32205 |
| Lung | 3170 | NM_153675 | FOXA2 | forkhead box A2 |
| Lung | 3892 | NM_002284 | KRTHB6 | keratin, hair, basic, 6 (monilethrix) |
| Lung | 429 | NM_004316 | ASCL1 | achaete-scute complex-like 1 |
| Lung | 64122 | NM_022158 | FN3K | fructosamine-3-kinase |
| Lung | 6862 | NM_003181 | T | T, brachyury homolog |
| Lung | 8715 | NM_003787 | NOL4 | nucleolar protein 4 |
| Lymphoreticular | 100 | NM_000022 | ADA | adenosine deaminase |
| Lymphoreticular | 10326 | NM_006065 | SIRPB1 | signal-regulatory protein beta 1 |
| Lymphoreticular | 10750 | NM_006613 | GRAP | GRB2-related adaptor protein |
| Lymphoreticular | 115509 | NM_138447 | LOC115509 | hypothetical protein BC014000 |
| Lymphoreticular | 154664 | NM_152701 | ABCA13 | ATP binding cassette gene, sub-family A (ABC1), member 13 |
| Lymphoreticular | 1991 | NM_001972 | ELA2 | elastase 2, neutrophil |
| Lymphoreticular | 199713 | NM_139176 | PYPAF3 | PYRIN-containing Apaf1-like protein 3 |
| Lymphoreticular | 2215 | NM_000570 | FCGR3B | Fc fragment of IgG, low affinity IIIb, receptor for (CD16) |
| Lymphoreticular | 23186 | NM_015156 | RCOR | REST corepressor |
| Lymphoreticular | 23268 | XM_050742 | KIAA1010 | KIAA1010 protein |
| Lymphoreticular | 23601 | NM_013252 | CLECSF5 | C-type lectin, superfamily member 5 |
| Lymphoreticular | 254027 | XM_171150 | LOC254027 | similar to KIAA1074 protein |
| Lymphoreticular | 254750 | XM_171156 | LOC254750 | similar to KIAA1074 protein |
| Lymphoreticular | 272 | NM_000480 | AMPD3 | adenosine monophosphate deaminase (isoform E) |
| Lymphoreticular | 27433 | NM_130459 | TOR2A | torsin family 2, member A |
| Lymphoreticular | 2967 | NM_001516 | GTF2H3 | general transcription factor IIH, polypeptide 3, 34kDa |
| Lymphoreticular | 339926 | XM_291075 | LOC339926 | LOC339926 |
| Lymphoreticular | 346653 | XM_294357 | LOC346653 | similar to testes development-related NYD-SP18 |
| Lymphoreticular | 3581 | NM_176786 | IL9R | interleukin 9 receptor |
| Lymphoreticular | 376380 | XM_352197 | LOC376380 | similar to GRB2-related adaptor protein |
| Lymphoreticular | 378078 | XM_353597 | LOC378078 | similar to KIAA1074 protein |
| Lymphoreticular | 51547 | NM_016538 | SIRT7 | sirtuin (silent mating type information regulation 2 homolog) 7 |
| Lymphoreticular | 81788 | NM_030952 | SNARK | likely ortholog of rat SNF1/AMP-activated protein kinase |
| Lymphoreticular | 820 | NM_004345 | CAMP | cathelicidin antimicrobial peptide |
| Lymphoreticular | 8288 | NM_000502 | EPX | eosinophil peroxidase |
| Lymphoreticular | 83656 | NM_054017 | C8orf12 | chromosome 8 open reading frame 12 |
| Lymphoreticular | 913 | NM_030893 | CD1E | CD1E antigen, e polypeptide |
| Lymph_Node | 10195 | NM_005787 | NOT56L | asparagine-linked glycosylation 3 homolog |
| Lymph_Node | 23212 | NM_015169 | RRS1 | RRS1 ribosome biogenesis regulator homolog |
| Lymph_Node | 257144 | NM_152785 | GCET2 | germinal center expressed transcript 2 |
| Lymph_Node | 375789 | XM_351883 | LOC375789 | similar to PRKCZ protein |
| Lymph_Node | 79934 | NM_024876 | ADCK4 | aarF domain containing kinase 4 |
| Lymph_Node | 84273 | NM_032313 | MGC3232 | hypothetical protein MGC3232 |
| Lymph_Node | 9623 | NM_004918 | TCL1B | T-cell leukemia/lymphoma 1B |
| Muscle | 1013 | NM_004933 | CDH15 | cadherin 15, M-cadherin (myotubule) |
| Muscle | 10603 | NM_020979 | APS | adaptor protein with pleckstrin homology and src homology 2 domains |
| Muscle | 11247 | XM_290582 | NXPH4 | neurexophilin 4 |
| Muscle | 1134 | NM_000079 | CHRNA1 | cholinergic receptor, nicotinic, alpha polypeptide 1 |
| Muscle | 114132 | NM_052884 | SIGLEC11 | sialic acid binding Ig-like lectin 11 |
| Muscle | 126147 | NM_145807 | LOC126147 | hypothetical protein BC018697 |
| Muscle | 145195 | BC007749 | LOC145195 | Unknown protein for IMAGE:4098392 |
| Muscle | 148206 | XM_086096 | LOC148206 | similar to Zinc finger protein 85 (Zinc finger protein HPF4) |

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|----------|--------|-----------|-----------|------------------------------------------------------------------------|
| Muscle | 163782 | AK091941 | LOC163782 | cDNA FLJ34622 fis, clone KIDNE2014978, weakly similar to NG28 |
| Muscle | 1757 | NM_007101 | SARDH | sarcosine dehydrogenase |
| Muscle | 22845 | NM_014908 | KIAA1094 | KIAA1094 protein |
| Muscle | 22888 | NM_014948 | UBCE7IP5 | ortholog of mouse ubiquitin conjugating enzyme 7 interacting protein 5 |
| Muscle | 2307 | NM_004118 | FKHL18 | forkhead-like 18 |
| Muscle | 23085 | NM_015064 | ELKS | ELKS protein |
| Muscle | 246329 | NM_145064 | MGC2793 | hypothetical protein MGC2793 |
| Muscle | 2735 | NM_005269 | GLI | glioma-associated oncogene homolog (zinc finger protein) |
| Muscle | 284406 | NM_133466 | MGC45380 | hypothetical protein MGC45380 |
| Muscle | 286133 | NM_173833 | MGC45780 | hypothetical protein MGC45780 |
| Muscle | 374683 | XM_351034 | LOC374683 | similar to KIAA0445 protein |
| Muscle | 4654 | NM_002478 | MYOD1 | myogenic factor 3 |
| Muscle | 5198 | NM_012393 | PFAS | phosphoribosylformylglycinamide synthase |
| Muscle | 5465 | NM_005036 | PPARA | peroxisome proliferative activated receptor, alpha |
| Muscle | 55924 | NM_019099 | LOC55924 | hypothetical protein LOC55924 |
| Muscle | 56963 | NM_020211 | RGMA | repulsive guidance molecule A |
| Muscle | 6657 | NM_003106 | SOX2 | SRY (sex determining region Y)-box 2 |
| Muscle | 7039 | NM_003236 | TGFA | transforming growth factor, alpha |
| Muscle | 7162 | NM_006670 | TPBG | trophoblast glycoprotein |
| Muscle | 79100 | NM_080719 | MGC4473 | hypothetical protein MGC4473 |
| Muscle | 81871 | AJ406945 | LOC81871 | keratin associated protein 4.15 |
| Muscle | 83729 | NM_031479 | INHBE | actinin beta E |
| Muscle | 84900 | NM_032814 | FLJ14627 | hypothetical protein FLJ14627 |
| Muscle | 85287 | NM_033061 | KRTAP4-7 | keratin associated protein 4-7 |
| Muscle | 85289 | NM_033188 | KRTAP4-5 | keratin associated protein 4-5 |
| Muscle | 90826 | XM_352955 | LOC90826 | hypothetical protein BC004337 |
| Muscle | 92979 | NM_138396 | LOC92979 | hypothetical protein BC009489 |
| Muscle | 990 | NM_001254 | CDC6 | CDC6 cell division cycle 6 homolog (S. cerevisiae) |
| Muscle | 993 | NM_001789 | CDC25A | cell division cycle 25A |
| Pancreas | 10589 | NM_006442 | DRAP1 | DR1-associated protein 1 (negative cofactor 2 alpha) |
| Pancreas | 11187 | NM_007183 | PKP3 | plakophilin 3 |
| Pancreas | 126433 | NM_178820 | FBXO27 | F-box only protein 27 |
| Pancreas | 129186 | XM_066374 | LOC129186 | similar to Keratin, type I cytoskeletal 18 |
| Pancreas | 139270 | XM_066604 | LOC139270 | similar to Pyruvate kinase, M1 isozyme |
| Pancreas | 200765 | NM_145702 | TIGD1 | tigger transposable element derived 1 |
| Pancreas | 207063 | NM_145177 | LOC207063 | dehydrogenase/reductase (SDR family) X-linked (DHRSX) |
| Pancreas | 215 | NM_000033 | ABCD1 | ATP-binding cassette, sub-family D (ALD), member 1 |
| Pancreas | 340598 | XM_293411 | LOC340598 | similar to Keratin, type I cytoskeletal 18 |
| Pancreas | 342374 | XM_292514 | LOC342374 | similar to Keratin, type I cytoskeletal 18 |
| Pancreas | 342419 | XM_292531 | LOC342419 | similar to keratin 8; cytokeratin 8; keratin, type II cytoskeletal 8 |
| Pancreas | 346129 | XM_294126 | LOC346129 | similar to Keratin, type I cytoskeletal 18 |
| Pancreas | 374655 | XM_351009 | LOC374655 | similar to zinc finger protein 366 |
| Pancreas | 374723 | XM_351066 | LOC374723 | similar to Adrenoleukodystrophy protein (ALDP) |
| Pancreas | 4363 | NM_019902 | ABCC1 | ATP-binding cassette, sub-family C (CFTR/MRP), member 1 |
| Pancreas | 5203 | NM_002623 | PFDN4 | prefoldin 4 |
| Pancreas | 54466 | NM_019003 | SPIN2 | spindlin-like protein 2 |
| Pancreas | 54475 | NM_018096 | FLJ10458 | hypothetical protein similar to beta-transducin family |
| Pancreas | 64073 | XM_085984 | IMUP | immortalization-upregulated protein |
| Pancreas | 80020 | NM_024955 | FLJ23322 | hypothetical protein FLJ23322 |
| Pancreas | 81576 | NM_030818 | MGC10471 | hypothetical protein MGC10471 |
| Pancreas | 8273 | NM_019848 | SLC10A3 | solute carrier family 10, member 3 |
| Placenta | 10045 | NM_005490 | SH2D3A | SH2 domain containing 3A |
| Placenta | 1238 | NM_001296 | CCBP2 | chemokine binding protein 2 |
| Placenta | 147945 | NM_134444 | PYPAF4 | PYRIN-containing APAF1-like protein 4 |
| Placenta | 1789 | NM_175850 | DNMT3B | DNA (cytosine-5)-methyltransferase 3 beta |
| Placenta | 23779 | NM_181335 | ARHGAP8 | Rho GTPase activating protein 8 |
| Placenta | 253842 | BC027988 | LOC253842 | hypothetical protein LOC253842 |
| Placenta | 2624 | NM_032638 | GATA2 | GATA binding protein 2 |
| Placenta | 286077 | XM_209892 | LOC286077 | LOC286077 |
| Placenta | 29947 | NM_175867 | DNMT3L | DNA (cytosine-5)-methyltransferase 3-like |
| Placenta | 375272 | XM_351492 | LOC375272 | similar to Hypothetical UPF0120 protein DKFZp564C186 |
| Placenta | 4102 | NM_005362 | MAGEA3 | melanoma antigen, family A, 3 |
| Placenta | 4105 | NM_175868 | MAGEA6 | melanoma antigen, family A, 6 |
| Placenta | 4107 | NM_005364 | MAGEA8 | melanoma antigen, family A, 8 |
| Placenta | 50805 | NM_016358 | IRX4 | iroquois homeobox protein 4 |
| Placenta | 51442 | NM_016267 | VGLL1 | vestigial like 1 (Drosophila) |
| Placenta | 51499 | NM_016399 | HSPC132 | hypothetical protein HSPC132 |
| Placenta | 5210 | NM_004567 | PFKFB4 | 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4 |

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|----------|--------|-----------|---------------|---------------------------------------------------------------------------|
| Placenta | 54934 | NM_017822 | FLJ20436 | hypothetical protein FLJ20436 |
| Placenta | 55040 | NM_017957 | EPN3 | epsin 3 |
| Placenta | 55471 | NM_144736 | PRO1853 | hypothetical protein PRO1853 |
| Placenta | 55537 | AL359620 | LOC55537 | hypothetical protein |
| Placenta | 55705 | NM_018085 | IPO9 | importin 9 |
| Placenta | 57647 | NM_032656 | DHX37 | DEAH (Asp-Glu-Ala-His) box polypeptide 37 |
| Placenta | 63932 | NM_022101 | FLJ22965 | hypothetical protein FLJ22965 |
| Placenta | 64793 | NM_022778 | DKFZP434L0117 | hypothetical protein DKFZp434L0117 |
| Placenta | 6502 | NM_032637 | SKP2 | S-phase kinase-associated protein 2 (p45) |
| Placenta | 701 | NM_001211 | BUB1B | BUB1 budding uninhibited by benzimidazoles 1 homolog beta |
| Placenta | 7464 | NM_052820 | CORO2A | coronin, actin binding protein, 2A |
| Placenta | 78990 | NM_023112 | C14orf137 | chromosome 14 open reading frame 137 |
| Placenta | 80304 | NM_025203 | FLJ21945 | hypothetical protein FLJ21945 |
| Placenta | 84536 | NM_058188 | C21orf67 | chromosome 21 open reading frame 67 |
| Placenta | 84537 | NM_182900 | C21orf69 | chromosome 21 open reading frame 69 |
| Placenta | 898 | NM_057182 | CCNE1 | cyclin E1 |
| Placenta | 9022 | NM_004669 | CLIC3 | chloride intracellular channel 3 |
| Placenta | 9502 | NM_130777 | GAGED3 | G antigen, family D, 3 |
| Prostate | 10321 | NM_006061 | CRISP3 | cysteine-rich secretory protein 3 |
| Prostate | 140707 | NM_080626 | BRI3BP | BRI3 binding protein |
| Prostate | 146923 | NM_173079 | DKFZp761H0421 | hypothetical protein DKFZp761H0421 |
| Prostate | 201255 | NM_144999 | MGC20806 | hypothetical protein MGC20806 |
| Prostate | 4486 | NM_002447 | MST1R | macrophage stimulating 1 receptor (c-met-related tyrosine kinase) |
| Prostate | 50652 | AF103907 | LOC50652 | non-coding RNA DD3 |
| Prostate | 53916 | NM_016154 | RAB4B | RAB4B, member RAS oncogene family |
| Prostate | 54498 | NM_175842 | C20orf16 | chromosome 20 open reading frame 16 |
| Prostate | 55238 | NM_018231 | FLJ10815 | hypothetical protein FLJ10815 |
| Prostate | 56123 | NM_018933 | PCDHB13 | protocadherin beta 13 |
| Prostate | 56128 | NM_019120 | PCDHB8 | protocadherin beta 8 |
| Prostate | 7477 | NM_058238 | WNT7B | wingless-type MMTV integration site family, member 7B |
| Prostate | 79818 | NM_024762 | FLJ21603 | hypothetical protein FLJ21603 |
| Prostate | 84034 | NM_032048 | EMILIN2 | elastin microfibril interfacier 2 |
| Prostate | 84985 | NM_032899 | MGC14128 | hypothetical protein MGC14128 |
| Skin | 10683 | NM_016941 | DLL3 | delta-like 3 |
| Skin | 113000 | NM_058192 | RLUCL | ribosomal large subunit pseudouridine synthase C like |
| Skin | 125058 | NM_019020 | MGC25062 | hypothetical protein MGC25062 |
| Skin | 126321 | NM_174983 | MGC20700 | hypothetical protein MGC20700 |
| Skin | 146481 | BC023607 | LOC146481 | hypothetical protein LOC146481 |
| Skin | 201266 | NM_139177 | C17orf26 | chromosome 17 open reading frame 26 |
| Skin | 23432 | NM_153832 | RE2 | G-protein coupled receptor |
| Skin | 26499 | NM_016445 | PLEK2 | pleckstrin 2 |
| Skin | 285000 | BC038566 | LOC285000 | hypothetical protein LOC285000 |
| Skin | 2972 | NM_145696 | BRF1 | BRF1 homolog, subunit of RNA pol III transcription initiation factor IIIB |
| Skin | 339242 | XM_290781 | LOC339242 | similar to Keratin, type I cytoskeletal 14 (Cytokeratin 14) |
| Skin | 344228 | XM_292983 | LOC344228 | similar to Hypothetical protein DKFZp564C186 |
| Skin | 3885 | NM_021013 | KRTHA4 | keratin, hair, acidic, 4 |
| Skin | 4109 | NM_021048 | MAGEA10 | melanoma antigen, family A, 10 |
| Skin | 4157 | NM_002386 | MC1R | melanocortin 1 receptor |
| Skin | 4241 | NM_033316 | MFJ2 | antigen p97 identified by monoclonal antibodies 133.2 and 96.5 |
| Skin | 4849 | NM_014516 | CNOT3 | CCR4-NOT transcription complex, subunit 3 |
| Skin | 51151 | NM_016180 | MATP | membrane associated transporter |
| Skin | 51438 | NM_016249 | MAGEE1 | melanoma antigen, family E, 1, cancer/testis specific |
| Skin | 55630 | NM_130849 | SLC39A4 | solute carrier family 39 (zinc transporter), member 4 |
| Skin | 6663 | NM_006941 | SOX10 | SRY (sex determining region Y)-box 10 |
| Skin | 7011 | NM_007110 | TEP1 | telomerase-associated protein 1 |
| Skin | 79414 | NM_024509 | MGC2656 | hypothetical protein MGC2656 |
| Skin | 79590 | NM_145729 | MRPL24 | mitochondrial ribosomal protein L24 |
| Skin | 84722 | NM_032636 | DDA3 | differential display and activated by p53 |
| Skin | 90226 | NM_033199 | SRP | stresscopin-related peptide |
| Skin | 90737 | NM_130467 | PAGE-5 | PAGE-5 protein |
| Skin | 9947 | NM_005462 | MAGEC1 | melanoma antigen, family C, 1 |
| Stomach | 10636 | NM_006480 | RGS14 | regulator of G-protein signalling 14 |
| Stomach | 116984 | NM_139182 | CENTD1 | centaurin, delta 1 |
| Stomach | 122416 | NM_152326 | ANKRD9 | ankyrin repeat domain 9 |
| Stomach | 25818 | NM_012427 | KLK5 | kallikrein 5 |
| Stomach | 26579 | NM_138768 | MYEOV | myeloma overexpressed gene |
| Stomach | 283643 | NM_173608 | C14orf80 | chromosome 14 open reading frame 80 |
| Stomach | 286449 | XM_212321 | LOC286449 | LOC286449 |

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|---------|--------|-----------|-----------|-----------------------------------------------------------------|
| Stomach | 29785 | NM_030622 | CYP2S1 | cytochrome P450, family 2, subfamily S, polypeptide 1 |
| Stomach | 339781 | XM_293016 | LOC339781 | similar to hypothetical protein XP_065410 |
| Stomach | 3996 | NM_004140 | LLGL1 | lethal giant larvae homolog 1 |
| Stomach | 51330 | NM_016639 | TNFRSF12A | tumor necrosis factor receptor superfamily, member 12A |
| Stomach | 7355 | NM_005660 | SLC35A2 | solute carrier family 35 (UDP-galactose transporter), member A2 |
| Stomach | 78999 | NM_024036 | MGC3103 | hypothetical protein MGC3103 |
| Stomach | 79637 | NM_024585 | FLJ22160 | hypothetical protein FLJ22160 |
| Stomach | 84303 | NM_032343 | MGC13016 | hypothetical protein MGC13016 |
| Stomach | 8438 | NM_003579 | RAD54L | RAD54-like |
| Stomach | 9836 | NM_014793 | LCMT2 | leucine carboxyl methyltransferase 2 |
| Testis | 10630 | NM_006474 | T1A-2 | lung type-I cell membrane-associated glycoprotein |
| Testis | 10777 | NM_016300 | ARPP-21 | cyclic AMP-regulated phosphoprotein |
| Testis | 137196 | NM_145050 | MGC27434 | hypothetical protein MGC27434 |
| Testis | 138307 | NM_178469 | LOC138307 | hypothetical protein LOC138307 |
| Testis | 1879 | NM_024007 | EBF | early B-cell factor |
| Testis | 220672 | XM_017177 | LOC220672 | similar to ATP-binding cassette sub-family E member 1 |
| Testis | 23534 | NM_012470 | TRN-SR | transportin-SR |
| Testis | 2769 | NM_002068 | GNA15 | guanine nucleotide binding protein (G protein), alpha 15 |
| Testis | 339862 | BC035826 | LOC339862 | hypothetical protein LOC339862 |
| Testis | 3658 | XM_039114 | IREB2 | iron-responsive element binding protein 2 |
| Testis | 375788 | XM_351882 | LOC375788 | hypothetical gene supported by BC035696 |
| Testis | 51427 | NM_016220 | ZFD25 | zinc finger protein |
| Testis | 5294 | NM_002649 | PIK3CG | phosphoinositide-3-kinase, catalytic, gamma polypeptide |
| Testis | 55010 | NM_017915 | FLJ20641 | hypothetical protein FLJ20641 |
| Testis | 55319 | NM_018352 | FLJ11184 | hypothetical protein FLJ11184 |
| Testis | 586 | NM_005504 | BCAT1 | branched chain aminotransferase 1, cytosolic |
| Testis | 5897 | NM_000536 | RAG2 | recombination activating gene 2 |
| Testis | 5983 | NM_181558 | RFC3 | replication factor C (activator 1) 3 |
| Testis | 7441 | NM_007128 | VPREB1 | pre-B lymphocyte gene 1 |
| Testis | 7580 | NM_006973 | ZNF32 | zinc finger protein 32 (KOX 30) |
| Testis | 79072 | NM_024091 | MGC5297 | hypothetical protein MGC5297 |
| Testis | 83879 | NM_145810 | CDCA7 | cell division cycle associated 7 |
| Testis | 8492 | NM_003619 | PRSS12 | protease, serine, 12 (neurotrypsin, motopsin) |
| Testis | 90816 | NM_033548 | MGC12518 | similar to ZINC FINGER PROTEIN 257 (BMZF-4) |