Análise GSEA:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Gene Set Name [# Genes (K)]** | **Description** |  |  |  |
| [HSIAO\_HOUSEKEEPING\_GENES](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=HSIAO_HOUSEKEEPING_GENES) [[400](http://www.broadinstitute.org/gsea/msigdb/download_geneset.jsp?geneSetName=HSIAO_HOUSEKEEPING_GENES&fileType=grp)] | Housekeeping genes identified as expressed across 19 normal tissues. |  |  |  |
| [MARTINEZ\_RB1\_TARGETS\_UP](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=MARTINEZ_RB1_TARGETS_UP) [[716](http://www.broadinstitute.org/gsea/msigdb/download_geneset.jsp?geneSetName=MARTINEZ_RB1_TARGETS_UP&fileType=grp)] | Genes up-regulated in mice with skin specific knockout of RB1 [Gene ID=5925] by Cre-lox. |  |  |  |
| [GNATENKO\_PLATELET\_SIGNATURE](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=GNATENKO_PLATELET_SIGNATURE) [[36](http://www.broadinstitute.org/gsea/msigdb/download_geneset.jsp?geneSetName=GNATENKO_PLATELET_SIGNATURE&fileType=grp)] | Top 50 most up-regulated genes in human platelet cells. |  |  |  |
| [INTRACELLULAR\_NON\_MEMBRANE\_BOUND\_ORGAN GANELLE](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=INTRACELLULAR_NON_MEMBRANE_BOUND_ORGANELLE) [[617](http://www.broadinstitute.org/gsea/msigdb/download_geneset.jsp?geneSetName=INTRACELLULAR_NON_MEMBRANE_BOUND_ORGANELLE&fileType=grp)] | Genes annotated by the GO term GO:0043232. Organized structure of distinctive morphology and function, not bounded by a lipid bilayer membrane and occurring within the cell. Includes ribosomes, the cytoskeleton and chromosomes. |  |  |  |
| [NON\_MEMBRANE\_BOUND\_ORGANELLE](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=NON_MEMBRANE_BOUND_ORGANELLE) [[617](http://www.broadinstitute.org/gsea/msigdb/download_geneset.jsp?geneSetName=NON_MEMBRANE_BOUND_ORGANELLE&fileType=grp)] | Genes annotated by the GO term GO:0043228. Organized structure of distinctive morphology and function, not bounded by a lipid bilayer membrane. Includes ribosomes, the cytoskeleton and chromosomes. |  |  |  |
| [CHAUHAN\_RESPONSE\_TO\_METHOXYESTRADIOL\_D L\_DN](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=CHAUHAN_RESPONSE_TO_METHOXYESTRADIOL_DN) [[105](http://www.broadinstitute.org/gsea/msigdb/download_geneset.jsp?geneSetName=CHAUHAN_RESPONSE_TO_METHOXYESTRADIOL_DN&fileType=grp)] | Genes down-regulated by 2-methoxyestradiol (2ME2) [PubChem=1573] in the MM.1S cell line (multiple myeloma) sensitive to dexamethasone [PubChem=5743]. |  |  |  |
| [CAVARD\_LIVER\_CANCER\_MALIGNANT\_VS\_BENIG NIGN](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=CAVARD_LIVER_CANCER_MALIGNANT_VS_BENIGN) [[32](http://www.broadinstitute.org/gsea/msigdb/download_geneset.jsp?geneSetName=CAVARD_LIVER_CANCER_MALIGNANT_VS_BENIGN&fileType=grp)] | Genes identified by subtractive hybridization comparing malignant and benign components of a hepatocellular carcinoma (HCC) in a pre-existing liver adenoma in a morphologically normal liver. |  |  |  |
| [INTRACELLULAR\_ORGANELLE\_PART](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=INTRACELLULAR_ORGANELLE_PART) [[1150](http://www.broadinstitute.org/gsea/msigdb/download_geneset.jsp?geneSetName=INTRACELLULAR_ORGANELLE_PART&fileType=grp)] | Genes annotated by the GO term GO:0044446. A constituent part of an intracellular organelle, an organized structure of distinctive morphology and function, occurring within the cell. Includes constituent parts of the nucleus, mitochondria, plastids, vacuoles, vesicles, ribosomes and the cytoskeleton but excludes the plasma membrane. |  |  |  |
| [ORGANELLE\_PART](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=ORGANELLE_PART) [[1155](http://www.broadinstitute.org/gsea/msigdb/download_geneset.jsp?geneSetName=ORGANELLE_PART&fileType=grp)] | Genes annotated by the GO term GO:0044422. Any constituent part of an organelle, an organized structure of distinctive morphology and function. Includes constituent parts of the nucleus, mitochondria, plastids, vacuoles, vesicles, ribosomes and the cytoskeleton, but excludes the plasma membrane. |  |  |  |
| [DACOSTA\_LOW\_DOSE\_UV\_RESPONSE\_VIA\_ERCC3 CC3\_XPCS\_DN](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=DACOSTA_LOW_DOSE_UV_RESPONSE_VIA_ERCC3_XPCS_DN) [[6](http://www.broadinstitute.org/gsea/msigdb/download_geneset.jsp?geneSetName=DACOSTA_LOW_DOSE_UV_RESPONSE_VIA_ERCC3_XPCS_DN&fileType=grp)] | Genes down-regulated in fibroblasts expressing the XP/CS mutant form of ERCC3 [Gene ID=2071], after low dose UVC irradiation. |  |  |  |

Tecido NORMAL

**Gene/geneset overlap matrix**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **overlap matrix by gene and geneset** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=HSIAO_HOUSEKEEPING_GENES](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=HSIAO_HOUSEKEEPING_GENES)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=MARTINEZ_RB1_TARGETS_UP](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=MARTINEZ_RB1_TARGETS_UP)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=GNATENKO_PLATELET_SIGNATURE](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=GNATENKO_PLATELET_SIGNATURE)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=INTRACELLULAR_NON_MEMBRANE_BOUND_ORGANELLE](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=INTRACELLULAR_NON_MEMBRANE_BOUND_ORGANELLE)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=NON_MEMBRANE_BOUND_ORGANELLE](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=NON_MEMBRANE_BOUND_ORGANELLE)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=CHAUHAN_RESPONSE_TO_METHOXYESTRADIOL_DN](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=CHAUHAN_RESPONSE_TO_METHOXYESTRADIOL_DN)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=CAVARD_LIVER_CANCER_MALIGNANT_VS_BENIGN](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=CAVARD_LIVER_CANCER_MALIGNANT_VS_BENIGN)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=INTRACELLULAR_ORGANELLE_PART](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=INTRACELLULAR_ORGANELLE_PART)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=ORGANELLE_PART](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=ORGANELLE_PART)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=DACOSTA_LOW_DOSE_UV_RESPONSE_VIA_ERCC3_XPCS_DN](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=DACOSTA_LOW_DOSE_UV_RESPONSE_VIA_ERCC3_XPCS_DN)** | **Entrez** | **Source** | **description** |
| ACTB | **X** | **X** | **X** | **X** | **X** |  | **X** | **X** | **X** | **X** | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=ACTB%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=ACTB) | actin, beta |
| GNAS | **X** | **X** | **X** |  |  | **X** |  | **X** | **X** |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=GNAS%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=GNAS) | GNAS complex locus |
| UBC | **X** | **X** | **X** |  |  | **X** |  |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=UBC%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=UBC) | ubiquitin C |
| CD74 | **X** | **X** |  |  |  | **X** | **X** |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=CD74%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=CD74) | CD74 molecule, major histocompatibility complex, class II invariant chain |
| GAPDH | **X** | **X** |  |  |  |  |  |  |  | **X** | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=GAPDH%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=GAPDH) | glyceraldehyde-3-phosphate dehydrogenase |
| CLU | **X** |  | **X** |  |  |  |  |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=CLU%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=CLU) | clusterin |
| RPL13A | **X** |  |  | **X** | **X** |  | **X** | **X** | **X** |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=RPL13A%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=RPL13A) | ribosomal protein L13a |
| NPM1 | **X** |  |  | **X** | **X** |  |  | **X** | **X** |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=NPM1%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=NPM1) | nucleophosmin (nucleolar phosphoprotein B23, numatrin) |
| ACTA1 |  | **X** |  | **X** | **X** |  |  | **X** | **X** |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=ACTA1%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=ACTA1) | actin, alpha 1, skeletal muscle |
| KRT17 |  | **X** |  | **X** | **X** |  |  | **X** | **X** |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=KRT17%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=KRT17) | keratin 17 |
| MYH1 |  | **X** |  |  |  |  |  |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=MYH1%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=MYH1) | myosin, heavy chain 1, skeletal muscle, adult |
| TG |  | **X** |  |  |  |  |  |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=TG%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=TG) | thyroglobulin |
| UBE2I |  |  |  | **X** | **X** | **X** |  | **X** | **X** |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=UBE2I%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=UBE2I) | ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast) |
| KRT6A |  |  |  | **X** | **X** |  |  | **X** | **X** |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=KRT6A%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=KRT6A) | keratin 6A |
| MYH2 |  |  |  |  |  |  |  |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=MYH2%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=MYH2) | myosin, heavy chain 2, skeletal muscle, adult |
| BOC |  |  |  |  |  |  |  |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=BOC%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=BOC) | Boc homolog (mouse) |
| GPX3 |  |  |  |  |  |  |  |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=GPX3%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=GPX3) | glutathione peroxidase 3 (plasma) |
| TSPAN9 |  |  |  |  |  |  |  |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=TSPAN9%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=TSPAN9) | tetraspanin 9 |
| TAF1C |  |  |  |  |  |  |  |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=TAF1C%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=TAF1C) | TATA box binding protein (TBP)-associated factor, RNA polymerase I, C, 110kDa |
| C1QTNF9 |  |  |  |  |  |  |  |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=C1QTNF9%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=C1QTNF9) | C1q and tumor necrosis factor related protein 9 |

Tecido TUMORAL

**Gene/geneset overlap matrix**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **overlap matrix by gene and geneset** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=HSIAO_HOUSEKEEPING_GENES](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=HSIAO_HOUSEKEEPING_GENES)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=TIEN_INTESTINE_PROBIOTICS_6HR_UP](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=TIEN_INTESTINE_PROBIOTICS_6HR_UP)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=TIEN_INTESTINE_PROBIOTICS_2HR_UP](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=TIEN_INTESTINE_PROBIOTICS_2HR_UP)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=TIEN_INTESTINE_PROBIOTICS_24HR_DN](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=TIEN_INTESTINE_PROBIOTICS_24HR_DN)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=DANG_MYC_TARGETS_UP](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=DANG_MYC_TARGETS_UP)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=REACTOME_DIABETES_PATHWAYS](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=REACTOME_DIABETES_PATHWAYS)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=ECTODERM_DEVELOPMENT](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=ECTODERM_DEVELOPMENT)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=REACTOME_PEPTIDE_CHAIN_ELONGATION](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=REACTOME_PEPTIDE_CHAIN_ELONGATION)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=ALCALA_APOPTOSIS](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=ALCALA_APOPTOSIS)** | **[http://www.broadinstitute.org/gsea/text.jsp?config=geneSetLabels&label=BENPORATH_MYC_TARGETS_WITH_EBOX](http://www.broadinstitute.org/gsea/msigdb/geneset_page.jsp?geneSetName=BENPORATH_MYC_TARGETS_WITH_EBOX)** | **Entrez** | **Source** | **description** |
| EEF1A1 | **X** | **X** | **X** | **X** |  |  |  | **X** | **X** |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=EEF1A1%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=EEF1A1) | eukaryotic translation elongation factor 1 alpha 1 |
| TPT1 | **X** | **X** | **X** | **X** |  |  |  |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=TPT1%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=TPT1) | tumor protein, translationally-controlled 1 |
| GAPDH | **X** | **X** | **X** |  | **X** | **X** |  |  | **X** | **X** | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=GAPDH%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=GAPDH) | glyceraldehyde-3-phosphate dehydrogenase |
| RPS19 | **X** | **X** |  | **X** | **X** | **X** |  | **X** |  | **X** | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=RPS19%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=RPS19) | ribosomal protein S19 |
| RPL3 | **X** |  |  | **X** | **X** | **X** |  | **X** |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=RPL3%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=RPL3) | ribosomal protein L3 |
| ACTG1 | **X** |  |  | **X** |  |  |  |  |  | **X** | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=ACTG1%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=ACTG1) | actin, gamma 1 |
| RPL19 | **X** |  |  |  | **X** | **X** |  | **X** |  | **X** | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=RPL19%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=RPL19) | ribosomal protein L19 |
| GNAS | **X** |  |  |  |  | **X** |  |  | **X** |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=GNAS%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=GNAS) | GNAS complex locus |
| ALDOA | **X** |  |  |  |  | **X** |  |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=ALDOA%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=ALDOA) | aldolase A, fructose-bisphosphate |
| HSPA8 |  | **X** | **X** | **X** | **X** |  |  |  | **X** | **X** | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=HSPA8%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=HSPA8) | heat shock 70kDa protein 8 |
| KRT17 |  |  |  |  |  |  | **X** |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=KRT17%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=KRT17) | keratin 17 |
| KRT14 |  |  |  |  |  |  | **X** |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=KRT14%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=KRT14) | keratin 14 (epidermolysis bullosa simplex, Dowling-Meara, Koebner) |
| KRT6A |  |  |  |  |  |  | **X** |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=KRT6A%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=KRT6A) | keratin 6A |
| KRT13 |  |  |  |  |  |  | **X** |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=KRT13%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=KRT13) | keratin 13 |
| TG |  |  |  |  |  |  |  |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=TG%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=TG) | thyroglobulin |
| MALAT1 |  |  |  |  |  |  |  |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=MALAT1%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=MALAT1) | metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA) |
| TCHH |  |  |  |  |  |  |  |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=TCHH%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=TCHH) | trichohyalin |
| PRR4 |  |  |  |  |  |  |  |  |  |  | [view Entrez entry](http://www.ncbi.nlm.nih.gov/sites/entrez?cmd=search&db=gene&term=PRR4%5bsym%5d&term=human%5borgn%5d) | [S](http://genome-www5.stanford.edu/cgi-bin/SMD/source/sourceResult?option=Name&choice=Gene&organism=Hs&criteria=PRR4) | proline rich 4 (lacrimal) |