

Table W1. List of EMT-Related Genes.

Gene Symbol	Name	Gene ID
<i>Epithelial genes</i>		
Actin cytoskeleton organization		
<i>ARHGAP5</i>	Rho GTPase activating protein 5	394
<i>ARHGDI1A</i>	Rho GDP dissociation inhibitor (GDI) alpha	396
<i>ARHGGEF1</i>	Rho guanine nucleotide exchange factor (GEF) 1	9138
<i>DST</i>	Dystonin	667
<i>FLNA</i>	Filamin A, alpha (actin binding protein 280)	2316
<i>PODXL</i>	Podocalyxin-like	5420
Apoptosis		
<i>CTNNA1</i>	Catenin (cadherin-associated protein), alpha-like 1	8727
<i>MAP3K5</i>	Mitogen-activated protein kinase kinase kinase 5	4217
<i>PRKCZ</i>	Protein kinase C, zeta	5590
<i>SGK</i>	Serum/glucocorticoid-regulated kinase	6446
Cell adhesion and/or ECM-related		
<i>ANXA4</i>	Annexin A4	307
<i>CD99</i>	CD99 molecule	4267
<i>CDH1</i>	Cadherin 1, type 1, E-cadherin (epithelial)	999
<i>CDH16</i>	Cadherin 16, KSP-cadherin	1014
<i>CLDN1</i>	Claudin 1	9076
<i>CLDN7</i>	Claudin 7	1366
<i>DSG2</i>	Desmoglein 2	1829
<i>EVA1</i>	Epithelial V-like antigen 1	10205
<i>FBLN1</i>	filamin binding LIM protein 1	54751
<i>ILK</i>	Integrin-linked kinase	3611
<i>ITGA3</i>	Integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	3675
<i>ITGA5</i>	Integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	3678
<i>ITGB1</i>	Integrin, beta 1	3688
<i>ITGB5</i>	Integrin, beta 5	3693
<i>ITGB6</i>	Integrin, beta 6	3694
<i>JUP</i>	Junction plakoglobin	3728
<i>KITLG</i>	KIT ligand	4254
<i>LAMA3</i>	Laminin, alpha 3	3909
<i>MAP17</i>	membrane-associated protein 17	10158
<i>NID2</i>	Nidogen 2 (osteonidogen)	22795
<i>NRP2</i>	Neuropilin 2	8828
<i>OCLN</i>	Ocludin	4950
<i>PKP1</i>	Plakophilin 1 (ectodermal dysplasia/skin fragility syndrome)	5317
<i>SCRIB</i>	Scribbled homolog (<i>Drosophila</i>)	23513
Cell cycle		
<i>CCND1</i>	Cyclin D1	595
<i>CDK7</i>	Cyclin-dependent kinase 7 (MO15 homolog, <i>Xenopus laevis</i> , cdk-activating kinase)	1022
<i>DUSP1</i>	Dual specificity phosphatase 1	1843
<i>HDAC3</i>	Histone deacetylase 3	8841
<i>MAFG</i>	V- <i>maf</i> musculoaponeurotic fibrosarcoma oncogene homolog G (avian)	4097
<i>SFN</i>	Stratifin	2810
<i>PLK2</i>	Polo-like kinase 2	10769
<i>TOB2</i>	Transducer of ERBB2, 2	10766
<i>YES1</i>	V-yes-1 Yamaguchi sarcoma viral oncogene homolog 1	7525
Cell growth and/or maintenance		
<i>ATPIA1</i>	ATPase, Na ⁺ /K ⁺ transporting, alpha 1 polypeptide	476
<i>ATPIA3</i>	ATPase, Na ⁺ /K ⁺ transporting, alpha 3 polypeptide	478
<i>ATPIB1</i>	ATPase, Na ⁺ /K ⁺ transporting, beta 1 polypeptide	481
<i>BCL6</i>	B-cell CLL/lymphoma 6 (zinc finger protein 51)	604
<i>BMP4</i>	Bone morphogenetic protein 4	652
<i>BPAG1</i>	Hemidesmosomal plaque protein	667
<i>BTG2</i>	BTG family, member 2	7832
<i>CTGF</i>	Connective tissue growth factor	1490
<i>DAB2</i>	Disabled homolog 2, mitogen-responsive phosphoprotein (<i>Drosophila</i>)	1601
<i>DEFB1</i>	Defensin, beta 1	1672
<i>FABP1</i>	Fatty acid binding protein 1, liver	2168
<i>FOS</i>	V- <i>fos</i> FBJ murine osteosarcoma viral oncogene homolog	2353
<i>FOSB</i>	FBJ murine osteosarcoma viral oncogene homolog B	2354
<i>GAB1</i>	GRB2-associated binding protein 1	2549
<i>GC</i>	Group-specific component (vitamin D binding protein)	2638
<i>GDI2</i>	GDP dissociation inhibitor 2	2665
<i>GPC3</i>	Glypican 3	2719

Table W1. (continued)

Gene Symbol	Name	Gene ID
<i>GRB7</i>	Growth factor receptor-bound protein 7	2886
<i>HBP17</i>	Fibroblast growth factor binding protein 1	9982
<i>HDGF</i>	Hepatoma-derived growth factor (high-mobility group protein 1-like)	3068
<i>ITPR1</i>	Inositol 1,4,5-triphosphate receptor, type 1	3708
<i>KRT14</i>	Keratin 14	3861
<i>KRT19</i>	Keratin 19	3880
<i>KRT8</i>	Keratin 8	3856
<i>MST1R</i>	Macrophage stimulating 1 receptor (<i>c-met</i> -related tyrosine kinase)	4486
<i>MUC1</i>	Mucin 1, cell surface associated	4582
<i>NET1</i>	Neuroepithelial cell transforming gene 1	10276
<i>NNT</i>	Nicotinamide nucleotide transhydrogenase	23530
<i>PROCR</i>	Protein C receptor, endothelial (EPCR)	10544
<i>PTPN1</i>	Protein tyrosine phosphatase, non-receptor type 1	5770
<i>RARA</i>	Retinoic acid receptor, alpha	5914
<i>RGS2</i>	Regulator of G-protein signaling 2, 24 kDa	5997
<i>SEMA3C</i>	Sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	10512
<i>SMARCC1</i>	SWI/SNF-related, matrix-associated	6599
<i>SRF</i>	Serum response factor (<i>c-fos</i> serum response element-binding transcription factor)	6722
<i>STAT5A</i>	Signal transducer and activator of transcription 5A	6776
<i>TACSTD1</i>	Tumor-associated calcium signal transducer 1	4072
<i>TACSTD2</i>	Tumor-associated calcium signal transducer 2	4070
<i>TCF3</i>	Transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)	6929
<i>TGFB3</i>	Transforming growth factor, beta 3	7043
<i>TGM2</i>	Transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	7052
<i>TJPI</i>	Tight junction protein 1 (zona occludens 1)	7082
<i>TSC22D1</i>	TSC22 domain family, member 1	8848
<i>VAMP8</i>	Vesicle-associated membrane protein 8 (endobrevin)	8673
Cell motility		
<i>ACTN4</i>	Actinin, alpha 4	81
<i>F11R</i>	F11 receptor	50848
<i>HMMR</i>	Hyaluronan-mediated motility receptor (RHAMM)	3161
<i>JAG1</i>	Jagged 1 (Alagille syndrome)	182
<i>SERPINB5</i>	Serpin peptidase inhibitor, clade B (ovalbumin), member 5	5268
<i>SPP1</i>	Secreted phosphoprotein 1 (osteopontin, bone sialoprotein I)	6696
<i>THBS1</i>	Thrombospondin 1	7057
<i>TIAM1</i>	T-cell lymphoma invasion and metastasis 1	7074
Development and/or differentiation		
<i>DSP</i>	Desmoplakin	1832
<i>EGR2</i>	Early growth response 2 (Krox-20 homolog, <i>Drosophila</i>)	1959
<i>FGF13</i>	Fibroblast growth factor 13	2258
<i>GATA3</i>	GATA binding protein 3	2625
<i>GATA4</i>	GATA binding protein 4	2626
<i>GATA6</i>	GATA binding protein 6	2627
<i>HELLS</i>	Helicase, lymphoid-specific	3070
<i>HNF4A</i>	Hepatocyte nuclear factor 4, alpha	3172
<i>INHBB</i>	Inhibin, beta B (activin AB beta polypeptide)	3625
<i>MITF</i>	Microphthalmia-associated transcription factor	4286
<i>MSX2</i>	Msh homeobox 2	4488
<i>NUMB</i>	Numb homolog (<i>Drosophila</i>)	8650
<i>SCEL</i>	Sciellin	8796
<i>TCF4</i>	Transcription factor 4	6925
<i>TCF6</i>	Transcription factor 6-like	7019
<i>TGIF</i>	TGFB-induced factor (TALE family homeobox)	7050
Metabolism		
<i>AMD1</i>	Adenosylmethionine decarboxylase 1	262
<i>ATF3</i>	Activating transcription factor 3	467
<i>CA2</i>	Carbonic anhydrase II	760
<i>CHKA</i>	Choline kinase alpha	1119
<i>CITED2</i>	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	10370
<i>CTSH</i>	Cathepsin H	1512
<i>CYP11A1</i>	Cytochrome P450, family 1, subfamily A, polypeptide 1	1543
<i>EGR1</i>	Early growth response 1	1958
<i>EXT1</i>	Exostosins (multiple) 1	2131

Table W1. (continued)

Gene Symbol	Name	Gene ID
<i>FBP2</i>	Fructose-1,6-bisphosphatase 2	8789
<i>INMT</i>	Indolethylamine <i>N</i> -methyltransferase	11185
<i>IRF6</i>	Interferon regulatory factor 6	3664
<i>KLF2</i>	Kruppel-like factor 2 (lung)	10365
<i>LMO7</i>	LIM domain 7	4008
<i>NR4A1</i>	Nuclear receptor subfamily 4, group A, member 1	3164
<i>PADI2</i>	Peptidyl arginine deiminase, type II	11240
<i>PC</i>	Pyruvate carboxylase	5091
<i>PFTK1</i>	PFTAIRE protein kinase 1	5218
<i>POLR2A</i>	Polymerase (RNA) II (DNA directed) polypeptide A, 220 kDa	5430
<i>PTK9</i>	protein tyrosine kinase 9	5756
<i>SERPINB6</i>	Serpin peptidase inhibitor, clade B (ovalbumin), member 6	5269
<i>SFRS4</i>	Splicing factor, arginine/serine-rich 4	6429
<i>SP2</i>	Sp2 transcription factor	6668
<i>TCF1</i>	Transcription factor 1, hepatic; LF-B1, hepatic nuclear factor (HNF1), albumin proximal factor	6927
<i>TCF2</i>	Transcription factor 2, hepatic; LF-B3; variant hepatic nuclear factor	6928
<i>TIMP3</i>	TIMP metalloproteinase inhibitor 3 (Sorsby fundus dystrophy, pseudoinflammatory)	7078
<i>TJP2</i>	Tight junction protein 2 (zona occludens 2)	9414
<i>ZFP36</i>	Zinc finger protein 36, C3H type, homolog (mouse)	7538
<i>ZNF239</i>	Zinc finger protein 239	8187
<i>Mesenchymal genes</i>		
Actin cytoskeleton organization		
<i>ACTG1</i>	Actin, gamma 1	71
<i>ACTN1</i>	Actinin, alpha 1	87
<i>CFL1</i>	Cofilin 1 (nonmuscle)	1072
<i>CORO1C</i>	Coronin, actin binding protein, 1C	23603
<i>FLNB</i>	Filamin B, beta (actin binding protein 278)	2317
<i>PLEK2</i>	Pleckstrin 2	26499
<i>SDC1</i>	Syndecan 1	6382
<i>VIM</i>	Vimentin	7431
<i>WASPIP</i>	WAS/WASL interacting protein family, member 1	7456
Apoptosis		
<i>CASP9</i>	Caspase 9, apoptosis-related cysteine peptidase	842
Cell adhesion and/or ECM-related		
<i>BGN</i>	Biglycan	633
<i>CD44</i>	CD44 molecule (Indian blood group)	960
<i>CDH15</i>	Cadherin 15, M-cadherin (myotubule)	1013
<i>CDH2</i>	Cadherin 2, type 1, N-cadherin	1000
<i>CDH6</i>	Cadherin 6, type 2, K-cadherin (fetal kidney)	1004
<i>COL15A1</i>	Collagen, type XV, alpha 1	1306
<i>COL1A2</i>	Collagen, type I, alpha 2	1278
<i>COL5A1</i>	Collagen, type V, alpha 1	1289
<i>COL5A2</i>	Collagen, type V, alpha 2	1290
<i>COL6A1</i>	Collagen, type VI, alpha 1	1291
<i>COL6A2</i>	Collagen, type VI, alpha 2	1292
<i>CTNND1</i>	Catenin (cadherin-associated protein), delta 1	1500
<i>DDR2</i>	Discoidin domain receptor family, member 2	4921
<i>DLG5</i>	Discs, large homolog 5 (<i>Drosophila</i>)	9231
<i>FN1</i>	Fibronectin 1	2335
<i>Lamb1</i>	Laminin, beta 1	3912
<i>LGALS3</i>	Lectin, galactoside-binding, soluble, 3 (galectin 3)	3958
<i>PTPNS1</i>	Protein tyrosine phosphatase, non-receptor type substrate 1	8194
<i>TNC</i>	Tenascin C (hexabrachion)	3371
<i>TNXB</i>	Tenascin XB	7148
<i>VCL</i>	Vinculin	7414
<i>VTN</i>	Vitronectin	7448
Cell cycle		
<i>ABL1</i>	<i>V-abl</i> Abelson murine leukemia viral oncogene homolog 1	25
<i>AK1</i>	Adenylate kinase 1	203
<i>BCL3</i>	B-cell CLL/lymphoma 3	602
<i>BTG3</i>	BTG family, member 3	10950
<i>CDC2</i>	Cell division cycle 2, G ₁ to S and G ₂ to M	983
<i>CDKN1A</i>	Cyclin-dependent kinase inhibitor 1A (p21, Cip1)	1026
<i>CDKN2A</i>	Cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)	1029

Table W1. (continued)

Gene Symbol	Name	Gene ID
<i>CDKN2C</i>	Cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	1031
<i>GAS1</i>	Growth arrest-specific 1	2619
<i>PSEN2</i>	Presenilin 2 (Alzheimer disease 4)	5664
Cell growth and/or maintenance		
<i>ABCA9</i>	ATP-binding cassette, subfamily A (ABC1), member 9	10350
<i>ABCC11</i>	ATP-binding cassette, subfamily C (CFTR/MRP), member 11	85320
<i>AFP</i>	Alpha-fetoprotein	174
<i>BMP7</i>	Bone morphogenetic protein 7 (osteogenic protein 1)	655
<i>BSG</i>	Basigin (Ok blood group)	682
<i>CAV1</i>	Caveolin 1, caveolae protein, 22 kDa	857
<i>CCK</i>	Cholecystokinin	885
<i>CCL2</i>	Chemokine (C-C motif) ligand 2	6347
<i>CCL8</i>	Chemokine (C-C motif) ligand 8	6355
<i>CD68</i>	CD68 molecule	968
<i>CTGF</i>	Connective tissue growth factor	1490
<i>CXCL1</i>	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)	2919
<i>CXCL5</i>	Chemokine (C-X-C motif) ligand 5	6374
<i>CXCR7</i>	Chemokine (C-X-C motif) receptor 7	57007
<i>EDG1</i>	Endothelial differentiation, sphingolipid G-protein-coupled receptor, 1	1901
<i>EPS8</i>	Epidermal growth factor receptor pathway substrate 8	2059
<i>FZD1</i>	Frizzled homolog 1 (<i>Drosophila</i>)	8321
<i>FZD10</i>	Frizzled homolog 10 (<i>Drosophila</i>)	11211
<i>FZD2</i>	Frizzled homolog 2 (<i>Drosophila</i>)	2535
<i>FZD3</i>	Frizzled homolog 3 (<i>Drosophila</i>)	7976
<i>FZD4</i>	Frizzled homolog 4 (<i>Drosophila</i>)	8322
<i>FZD5</i>	Frizzled homolog 5 (<i>Drosophila</i>)	7855
<i>FZD6</i>	Frizzled homolog 6 (<i>Drosophila</i>)	8323
<i>FZD7</i>	Frizzled homolog 7 (<i>Drosophila</i>)	8324
<i>FZD8</i>	Frizzled homolog 8 (<i>Drosophila</i>)	8325
<i>FZD9</i>	Frizzled homolog 9 (<i>Drosophila</i>)	8326
<i>IF16</i>	Interferon, alpha-inducible protein 6	2537
<i>GBP3</i>	Guanylate binding protein 3	2635
<i>GNAQ</i>	Guanine nucleotide binding protein (G protein), q polypeptide	2776
<i>GNG11</i>	Guanine nucleotide binding protein (G protein), gamma 11	2791
<i>GABBR2</i>	gamma-aminobutyric acid (GABA) B receptor, 2	9568
<i>HGF</i>	Hepatocyte growth factor (hepatopoietin A; scatter factor)	3082
<i>HIF1</i>	Hypoxia-inducible factor 1	3091
<i>EPAS1</i>	Hypoxia-inducible factor 2	2034
<i>HMGA2</i>	High mobility group AT-hook 2	8091
<i>IGFBP1</i>	Insulin-like growth factor binding protein 1	3484
<i>IGFBP3</i>	Insulin-like growth factor binding protein 3	3486
<i>IGFBP4</i>	Insulin-like growth factor binding protein 4	3487
<i>IGFBP5</i>	Insulin-like growth factor binding protein 5	3488
<i>IL8RB</i>	Interleukin 8 receptor, beta	3579
<i>KIFAP3</i>	Kinesin-associated protein 3	22920
<i>MADH4</i>	SMAD family member 4	4089
<i>MEIS1</i>	Meis homeobox 1	4211
<i>MET</i>	Met proto-oncogene (hepatocyte growth factor receptor)	4233
<i>MYBBP1A</i>	MYB binding protein (P160) 1a	10514
<i>NTRK3</i>	Neurotrophic tyrosine kinase, receptor, type 3	4916
<i>PCOLCE</i>	Procollagen C-endopeptidase enhancer	5118
<i>PDGFA</i>	Platelet-derived growth factor alpha polypeptide	5154
<i>PDGFRA</i>	Platelet-derived growth factor receptor, alpha polypeptide	5156
<i>PDGFRB</i>	Platelet-derived growth factor receptor, beta polypeptide	5159
<i>PHGDH</i>	Phosphoglycerate dehydrogenase	26227
<i>PKC</i>	Paroxysmal kinesigenic choreoathetosis	50818
<i>PMP22</i>	Peripheral myelin protein 22	5376
<i>PTH1LH</i>	Parathyroid hormone-like hormone	5744
<i>PTPN22</i>	Protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	26191
<i>PTPN7</i>	Protein tyrosine phosphatase, non-receptor type 7	5778

Table W1. (continued)

Gene Symbol	Name	Gene ID
<i>PTPRM</i>	Protein tyrosine phosphatase, receptor type, M	5797
<i>REL</i>	V- <i>rel</i> reticuloendotheliosis viral oncogene homolog (avian)	5966
<i>RRAS</i>	Related RAS viral (<i>r-ras</i>) oncogene homolog	6237
<i>SLC29A1</i>	Solute carrier family 29 (nucleoside transporters), member 1	2030
<i>SRC</i>	V- <i>src</i> sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	6714
<i>STAT1</i>	Signal transducer and activator of transcription 1, 91 kDa	6772
<i>TCF3</i>	Transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)	6929
<i>TCF8</i>	Transcription factor 8 (represses interleukin 2 expression)	6935
<i>TGFB1</i>	Transforming growth factor, beta 1 (Camurati-Engelmann disease)	7040
<i>TIEG</i>	Kruppel-like factor 10	7071
<i>TLN1</i>	Talin 1	7094
<i>TSPAN-3</i>	tetraspanin 3	10099
<i>TUBA6</i>	Tubulin, alpha 6	84790
Cell motility		
<i>ACTB</i>	Actin, beta	60
<i>C4A</i>	complement component 4A	720
<i>CALD1</i>	Caldesmon 1	800
<i>CTSB</i>	Cathepsin B	1508
<i>CTSZ</i>	Cathepsin Z	1522
<i>GRN</i>	Granulin	2896
<i>MMP10</i>	Matrix metallopeptidase 10 (stromelysin 2)	4319
<i>MMP12</i>	Matrix metallopeptidase 12 (macrophage elastase)	4321
<i>MMP13</i>	Matrix metallopeptidase 13 (collagenase 3)	4322
<i>MMP2</i>	Matrix metallopeptidase 2 (gelatinase A, 72 kDa gelatinase, 72 kDa type IV collagenase)	4313
<i>MMP7</i>	Matrix metallopeptidase 7 (matrilysin, uterine)	4316
<i>MMP9</i>	Matrix metallopeptidase 9 (gelatinase B, 92 kDa gelatinase, 92 kDa type IV collagenase)	4318
<i>MSN</i>	Moesin	4478
<i>NOTCH2</i>	Notch homolog 2 (<i>Drosophila</i>)	4853
<i>PLA2G7</i>	Phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	7941
<i>PLAU</i>	Plasminogen activator, urokinase	5328
<i>PLAUR</i>	Plasminogen activator, urokinase receptor	5329
<i>S100A2</i>	S100 calcium binding protein A2	6273
<i>S100A3</i>	S100 calcium binding protein A3	6274
<i>S100A4</i>	S100 calcium binding protein A4	6275
<i>S100A6</i>	S100 calcium binding protein A6	6277
<i>S100A8</i>	S100 calcium binding protein A8	6279
<i>S100P</i>	S100 calcium binding protein P	6286
<i>SERPINH1</i>	Serp peptidase inhibitor, clade H (heat shock protein 47), member 1	871
<i>TIMP1</i>	TIMP metallopeptidase inhibitor 1	7076
Development and/or differentiation		
<i>COL3A1</i>	Collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant)	1281
<i>CYP1B1</i>	Cytochrome P450, family 1, subfamily B, polypeptide 1	1545
<i>DCN</i>	Decorin	1634
<i>FGF19</i>	Fibroblast growth factor 19	9965
<i>FLOT1</i>	Flotillin 1	10211
<i>ID1</i>	Inhibitor of DNA binding 1, dominant negative helix-loop-helix protein	3397
<i>ID3</i>	Inhibitor of DNA binding 3, dominant negative helix-loop-helix protein	3399
<i>ID4</i>	Inhibitor of DNA binding 4, dominant negative helix-loop-helix protein	3400
<i>IL11</i>	Interleukin 11	3589
<i>INHBA</i>	Inhibin, beta A (activin A, activin AB alpha polypeptide)	3624
<i>ISL2</i>	ISL2 transcription factor, LIM/homeodomain, (islet-2)	64843
<i>LDB2</i>	LIM domain binding 2	9079
<i>LUM</i>	Lumican	4060
<i>NEUROD4</i>	Neurogenic differentiation 4	58158
<i>SNAI1</i>	Snail homolog 1 (<i>Drosophila</i>)	6615
<i>SNAI2</i>	Snail homolog 2 (<i>Drosophila</i>)	6591
<i>SPARC</i>	Secreted protein, acidic, cysteine-rich (osteonectin)	6678
<i>SPRR1A</i>	Small proline-rich protein 1A	6698

Table W1. (continued)

Gene Symbol	Name	Gene ID
<i>TCF4</i>	Transcription factor 4	6925
<i>TLE1</i>	Transducin-like enhancer of split 1 (E(sp1) homolog, <i>Drosophila</i>)	7088
<i>TWIST1</i>	twist homolog 1	7291
<i>TWIST2</i>	twist homolog 2	117581
<i>WNT5A</i>	Wingless-type MMTV integration site family, member 5A	7474
<i>WNT5B</i>	Wingless-type MMTV integration site family, member 5B	81029
Metabolism		
<i>ACVR1</i>	Activin A receptor, type I	90
<i>ADSS</i>	Adenylosuccinate synthase	159
<i>AK3</i>	Adenylate kinase 3	50808
<i>ASNS</i>	Asparagine synthetase	440
<i>BHLHB2</i>	Basic helix-loop-helix domain containing, class B, 2	8553
<i>CD63</i>	CD63 molecule	967
<i>FDP5</i>	Farnesyl diphosphate synthase	2224
<i>FKBP14</i>	FK506 binding protein 14, 22 kDa	55033
<i>FMO1</i>	Flavin containing monooxygenase 1	2326
<i>GALK1</i>	Galactokinase 1	2584
<i>HSPG2</i>	Heparan sulfate proteoglycan 2 (perlecan)	3339
<i>INSL6</i>	Insulin-like 6	11172
<i>MTHFD2</i>	Methylenetetrahydrofolate dehydrogenase (NADP ⁺ dependent) 2	10797
<i>NME2</i>	Nonmetastatic cells 2, protein	4831
<i>PCK1</i>	Phosphoenolpyruvate carboxykinase 1 (soluble)	5105
<i>PTGIS</i>	Prostaglandin I2 (prostacyclin) synthase	5740
<i>PTGS1</i>	Prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	5742
<i>PTGS2</i>	Prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	5743
<i>RPS24</i>	Ribosomal protein S24	6229
<i>SLC3A2</i>	Solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	6520
<i>SRM</i>	Spermidine synthase	6723
<i>VLDLR</i>	Very low density lipoprotein receptor	7436
<i>ZNF275</i>	Zinc finger protein 275	10838
Biological process unknown		
<i>ISG15</i>	ISG15 ubiquitin-like modifier	9636
<i>PSTPIP2</i>	Proline-serine-threonine phosphatase interacting protein 2	9050
<i>UPPI</i>	Uridine phosphorylase 1	7378