

**Supplementary Table S1.** Identification of GDF-15 induced gene expression in human TM cells based on cDNA microarray analysis

<b>Representative public ID</b>	<b>Gene title</b>	<b>Gene symbol</b>	<b>Fold change</b>
BC038806	Pleckstrin homology-like domain, family b, member 2	PHLDB2	90.51
AU156801	Ras protein activator like 2	RASAL2	63.61
BC030276	Leucine rich repeat containing 63	LRRC63	33.05
BM662141	Dynein, cytoplasmic 1, heavy chain 1	DYNC1H1	32.73
N51564	Peroxisomal biogenesis factor 5-like	PEX5L	30.91
AI280090	Uncharacterized loc101929660	CTD-2118P12.1	28.70
AL049698	Myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, drosophila); translocated to, 4	MLLT4	27.90
NM_004678	Basic charge, y-linked, 2	BPY2	27.20
BU561160	Ddb1 and cul4 associated factor 4-like 1	DCAF4L1	23.41
NM_016511	C-type lectin domain family 1, member a	CLEC1A	23.32
AL833418	Pancreatic lipase-related protein 3	PNLIPRP3	19.42
AK095510	Zinc finger protein 718	ZNF718	18.89
BC018764	Kiaa1217	KIAA1217	18.86
BC035329	Sorbin and sh3 domain containing 2	SORBS2	18.58
AK024912	Nima (never in mitosis gene a)-related kinase 1	NEK1	18.14
NM_001855	Collagen, type xv, alpha 1	COL15A1	16.63
BG109597	Prkc, apoptosis, wt1, regulator	pawr	16.60
AF075104	Zinc finger protein 622	ZNF622	16.54
BC029452	Sodium channel, voltage-gated, type ix, alpha subunit	SCN9A	15.87
NM_014927	Connector enhancer of kinase suppressor of ras 2	CNKSR2	15.78
BC036933	Uncharacterized loc401220	LOC401220	14.52
BG944179	Small nucleolar rna, c/d box 8	SNORD8	14.02
BF982548	Trub pseudouridine (psi) synthase homolog 1 (e. Coli)	TRUB1	13.67
AI032730	Serine/threonine kinase 38	stk38	13.26
BC043419	Homo sapiens cdna clone image:5286775	---	13.03
AF355799	Defensin, theta 1 pseudogene /// defensin, theta 1 pseudogene 2	DEFT1P /// DEFT1P2	12.84
AF232217	Pregnancy-induced hypertension syndrome-related protein	PIH2	12.10
AA729772	Uncharacterized loc100506021	LOC100506021	12.02

BC005399	Leucine-rich repeats and iq motif containing 1	LRRIQ1	11.83
S78159	Runt-related transcription factor 1; translocated to, 1 (cyclin d-related)	RUNX1T1	11.63
AL039389	Uncharacterized loc100653171 /// pom121 transmembrane nucleoporin-like 10, pseudogene /// pom121 transmembrane nucleoporin-like 4 pseudogene	LOC100653171 /// POM121L10P /// POM121L4P	11.61
BU621663	Nmda receptor regulated 2	NARG2	11.28
BC022435	Homo sapiens cdna clone image:4280848	---	11.16
BC001003	Synovial sarcoma, x breakpoint 1	SSX1	10.80
AB033083	Kiaa1257	KIAA1257	10.50
AU147515	Thrb intronic transcript 1 (non-protein coding) /// ---	THRB-IT1 /// THRB-IT1	10.41
AL832701	Inositol 1,4,5-triphosphate receptor, type 1	ITPR1	10.31
BC036416	Striatin, calmodulin binding protein	STRN	10.28
AF161366	Homo sapiens hspc103 mrna	---	10.27
BC035510	Sialophorin	SPN	10.13
BC020672	Natural killer-tumor recognition sequence	NKTR	10.11
BC037234	Chromosome 15 open reading frame 29	C15orf29	9.71
BF431050	Taf15 rna polymerase ii, tata box binding protein (tbp)-associated factor, 68kda	taf15	9.68
AI040777	Zinc finger, mym-type 4	ZMYM4	9.53
BF508014	Bromodomain containing 4	brd4	9.44
AW081879	Uveal autoantigen with coiled-coil domains and ankyrin repeats	UACA	9.25
AI393740	Tg60c09.x1 soares_nsf_f8_9w_ot_pa_p_s1 homo sapiens cdna clone	---	9.08
NM_024534	Endogenous retrovirus group mer34, member 1	ERVMER34-1	8.89
AF147422	Kif1bp kif1 binding protein	KIAA1279	8.88
BC017416	Homo sapiens, clone image:4663740, mrna	---	8.75
NM_005807	Proteoglycan 4	PRG4	8.73
AF147782	Ets variant 7	ETV7	8.56
AW151541	Star-related lipid transfer (start) domain containing 10	stard10	8.52
BC039507	Uncharacterized loc101927606	LOC101927606	8.47
AI218542	Hect, c2 and ww domain containing e3 ubiquitin protein ligase 2	HECW2	8.46
BF723605	Neuronal cell adhesion molecule	NRCAM	8.11
NM_000785	Cytochrome p450, family 27, subfamily b,	CYP27B1	7.87

	polypeptide 1		
AK093628	Cdna flj36309 fis, clone thymu2004986	---	7.80
AI823546	Transcribed locus	---	7.75
NM_003856	Interleukin 1 receptor-like 1	IL1RL1	7.74
R05895	Serine/arginine-rich splicing factor 4	SRSF4	7.58
BF058771	Inositol-3-phosphate synthase 1	ISYNA1	7.53
H18218	Kansl1 kat8 regulatory nsl complex subunit 1	KIAA1267	7.26
BF110088	7n45g11.x1 nci_cgap_lu24 homo sapiens cdna clone	---	7.14
AI276593	Son of sevenless homolog 2 (drosophila)	SOS2	7.14
AI277977	Sperm flagellar 2	SPEF2	6.99
W22152	Arginine-glutamic acid dipeptide (re) repeats	RERE	6.93
AJ301610	Glutamate receptor, ionotropic, kainate 2	GRIK2	6.81
BC038104	Regulator of chromosome condensation (rcc1) and btb (poz) domain containing protein 1	RCBTB1	6.70
U34846	Aquaporin 4	AQP4	6.65
AA636132	Niemann-pick disease, type c1	NPC1	6.48
AI022387	Heterogeneous nuclear ribonucleoprotein h1 (h)	HNRNPH1	6.43
AY026505	Kinesin family member 2c	KIF2C	6.43
AL133570	Round spermatid basic protein 1-like	RSBN1L	6.42
AI935710	Flavin containing monooxygenase 5	FMO5	6.17
BC002874	Dihydropyrimidinase-like 5	DPYSL5	6.13
BC014056	Homo sapiens, clone	---	6.12
Z70200	Small nuclear ribonucleoprotein 200kda (u5)	SNRNP200	6.11
AA532851	Bai1-associated protein 2-like 2	BAIAP2L2	6.00
AU157078	Phosphodiesterase 4d interacting protein	PDE4DIP	5.90
AW298590	Zfand4 zinc finger an1-type containing 4	Anub11	5.83
AW470942	B-cell receptor-associated protein 29	BCAP29	5.78
AF036973	Major histocompatibility complex, class i, k (pseudogene)	---	5.68
BC006295	Axin 2	AXIN2	5.67
BG287503	Serine palmitoyltransferase, small subunit b	SPTSSB	5.66
AF130044	Pro0419	LOC100132661	5.60
AW298710	---	---	5.57
AA677057	Fc receptor-like 1	FCRL1	5.53
NM_152507	Chromosome 21 open reading frame 128	C21orf128	5.52
AK021494	Chloride channel, voltage-sensitive 5	CLCN5	5.46

AF060223	Polymerase (rna) iii (dna directed) polypeptide k, 12.3 kda	POLR3K	5.45
AF332238	Testis-specific transcript, y-linked 9a (non-protein coding) /// testis-specific transcript, y-linked 9b (non-protein coding)	TTTY9A /// TTTY9B	5.45
NM_015967	Protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	PTPN22	5.44
AI928035	Iroquois homeobox 2	IRX2	5.90
AI693143	Gnas complex locus	GNAS	5.38
AL523099	Calsyntenin 1	CLSTN1	5.37
NM_017534	Myosin, heavy chain 2, skeletal muscle, adult /// myosin, heavy chain 4, skeletal muscle	MYH2 /// MYH4	5.36
BC033352	---	---	5.28
BF508977	Signal transducer and activator of transcription 3 (acute-phase response factor)	STAT3	5.27
AI188346	Angel homolog 2 (drosophila)	ANGEL2	5.20
BC007859	Myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, drosophila); translocated to, 6	MLLT6	5.20
NM_018338	Wd repeat domain 52	WDR52	5.10
H48516	Deleted in lymphocytic leukemia 2 (non-protein coding)	DLEU2	4.97
AF053356	Erythropoietin	EPO	4.92
BC032544	Intracisternal a particle-promoted polypeptide	IPP	4.90
AU150300	Zinc finger, dhhc-type containing 11	ZDHHC11	4.87
AA167563	Cobw domain containing 6; cobw domain containing 1	CBWD1/ CBWD6	4.83
AF147429	Dead (asp-glu-ala-asp) box polypeptide 42	DDX42	4.79
AF281865	Phosphodiesterase 11a	PDE11A	4.65
BC026292	---	---	4.64
NM_007176	Chromosome 14 open reading frame 1	C14orf1	4.46
AU145144	Nck adaptor protein 1	NCK1	4.43
F35496	Uncharacterized loc101929592	LOC10192959 2	4.41
AL160175	Dual specificity phosphatase 15	DUSP15	4.34
BC009036	Rab11 family interacting protein 3 (class ii)	RAB11FIP3	4.18
AA749167	Zinc finger protein 24	ZNF24	4.12
AW299534	Rho/rac guanine nucleotide exchange factor (gef) 2	ARHGEF2	4.10
AI269290	Solute carrier family 18 (vesicular monoamine), member 2	SLC18A2	4.05

T47960	Butyrophilin-like 9	BTNL9	4.04
BC026308	Hypoxia inducible factor 3, alpha subunit	HIF3A	4.04
BE018269	Chromosome 7 open reading frame 73 /// chromosome 7 open reading frame 73 pseudogene /// uncharacterized loc100508939 /// solute carrier family 13 (sodium/sulfate symporters), member 4	C7orf73 /// LOC100289196 /// LOC100508939 /// SLC13A4	4.04
AF007194	Homo sapiens cdna flj39484 fis, clone prost2014925. /// ---	AK096803 /// RP11-395B7.2	4.01
NM_173633	Transmembrane protein 145	TMEM145	4.01
AI079329	Family with sequence similarity 164, member a	FAM164A	3.98
AW074773	Hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	HEXDC	3.97
NM_153264	Collagen, type vi, alpha 5	COL6A5	3.97
AK092592	Ccdc28a coiled-coil domain containing 28a	CCDC28A	3.89
NM_015227	Protein o-fucosyltransferase 2	POFUT2	3.84
NM_013439	Paired immunoglobulin-like type 2 receptor alpha	PILRA	3.80
AL512696	---	---	3.73
BC028044	Homo sapiens, clone image:5392784, mrna.	BC028044	3.72
AA677629	5'-nucleotidase, cytosolic ii	NT5C2	3.67
AI074617	Wd repeat domain 61	WDR61	3.64
BC003172	Ccar2 cell cycle and apoptosis regulator 2	KIAA1967	3.64
BE466925	Small nuclear ribonucleoprotein polypeptide b	SNRPB2	3.61
BC017814	Mitogen-activated protein kinase kinase kinase 2	MAP3K2	3.55
U85943	Rae1 rna export 1 homolog (s. Pombe)	RAE1	3.55
BC008884	Tyrosine kinase, non-receptor, 2	TNK2	3.53
AI346359	Wd repeat domain 52	WDR52	3.52
BC018531	Potassium inwardly-rectifying channel, subfamily j, member 5	Kcnj5	3.52
AL707919	Pdz and lim domain 3	PDLIM3	3.52
AF306674	T-complex 11 (mouse)-like 2	TCPI1L2	3.52
NM_015703	Ribosomal rna processing 7 homolog a (s. Cerevisiae) /// ribosomal rna processing 7 homolog b (s. Cerevisiae)	RRP7A /// RRP7B	3.52
N74058	Ferm, rhogef (arhgef) and pleckstrin domain protein 1 (chondrocyte-derived)	FARP1	3.48
AW863675	Ring finger protein 24	RNF24	3.44
M34428	Microrna 1204	MIR1204	3.40

AE000661	Homo sapiens mrna for t cell receptor alpha variable 40, partial cds, clone: un 107. /// t cell receptor alpha variable 40 /// ---	TCR- alpha V 33.1 /// TRAV40 /// TRAV40	3.40
AI553825	---	---	3.40
BE780834	Nudix (nucleoside diphosphate linked moiety x)-type motif 16	NUDT16	3.38
AW118214	Leucine rich repeat containing 4c	LRRC4C	3.33
BF843343	Peroxiredoxin 6	Prdx6	3.33
AW081561	Uncharacterized serine/threonine-protein kinase sgk494	SGK494	3.30
AW576405	Deltex homolog 1 (drosophila)	DTX1	3.29
AA768866	Rna binding motif protein 39	RBM39	3.28
AF131787	Uncharacterized loc100506527	LOC100506527	3.27
AU148222	Hephaestin	HEPH	3.25
AA609987	Integrin, beta 6	ITGB6	3.24
BC017990	---	---	3.22
NM_000212	Integrin, beta 3 (platelet glycoprotein iiiia, antigen cd61)	ITGB3	3.19
U17033	Phospholipase a2 receptor 1, 180kda	PLA2R1	3.17
AA404231	Tudor domain containing 6	TDRD6	3.16
AL442094	Transcription factor 12	TCF12	3.13
AK000970	Membrane-associated ring finger (c3hc4) 6, e3 ubiquitin protein ligase	6-Mar	3.11
AF130062	Clathrin, heavy chain (hc)	CLTC	3.09
AL109717	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase) /// st20-mthfs readthrough	MTHFS /// ST20-MTHFS	3.08
T67481	Zinc finger protein 182	ZNF182	3.08
AA534466	Ctif cbp80/20-dependent translation initiation factor	KIAA0427	3.05
AF339818	---	---	3.05
AW085690	Lectin, galactoside-binding, soluble, 3	LGALS3	3.00
AF507950	Long intergenic non-protein coding rna 32	LINC00032	2.97
AU150385	Death associated protein 3	DAP3	2.96
AU159344	Neuropilin 2	NRP2	2.96
AI275020	Placenta-specific 9	PLAC9	2.95
AU155612	Calcium/calmodulin-dependent protein kinase ii gamma	CAMK2G	2.95
N32776	Unc-119 homolog b (c. Elegans)	UNC119B	2.94
AL833207	F-box protein 42	FBXO42	2.93
AK097381	Uncharacterized loc400680	LOC400680	2.91
W58344	Dishevelled associated activator of	DAAM2	2.90

	morphogenesis 2		
NM_021603	Fxyd domain containing ion transport regulator 2 /// fxyd6-fxyd2 readthrough	FXYD2 /// FXVD6- FXVD2	2.90
AI215629	Phosphoenolpyruvate carboxykinase 2 (mitochondrial)	pck2	2.87
AI143641	Uncharacterized loc100506860	LOC100506860	2.85
AI809752	Uncharacterized loc100131096	LOC100131096	2.84
BM352108	Chaperonin containing tcp1, subunit 5 (epsilon)	CCT5	2.84
AA132448	Mucin 20, cell surface associated	MUC20	2.81
BC019922	Zinc finger protein 252, pseudogene	ZNF252P	2.81
NM_153203	Long intergenic non-protein coding rna 308	LINC00308	2.78
NM_000219	Potassium voltage-gated channel, isk-related family, member 1	KCNE1	2.78
NM_014659	Diphosphoinositol pentakisphosphate kinase 1	PPIP5K1	2.77
NM_002651	Phosphatidylinositol 4-kinase, catalytic, beta	PI4KB	2.73
AW771472	Anoctamin 4	ANO4	2.72
AW274311	Basic, immunoglobulin-like variable motif containing	BIVM	2.72
AL533838	Tubulin, beta 2b class iib	TUBB2B	2.71
AA251561	Ubiquitin-like modifier activating enzyme 6	UBA6	2.71
BC034740	Transient receptor potential cation channel, subfamily v, member 5	TRPV5	2.70
BC017579	Myb-like, swirm and mpn domains 1	MYSM1	2.69
AU145463	Spidr scaffolding protein involved in dna repair	KIAA0146	2.69
AK024569	Cornichon homolog 4 (drosophila)	CNIH4	2.67
AW873606	Enah/vasp-like	EVL	2.66
NM_022898	B-cell cll/lymphoma 11b (zinc finger protein)	BCL11B	2.66
AI311458	Rar-related orphan receptor a	RORA	2.65
BF514791	Pseudouridylate synthase 10	PUS10	2.64
NM_017894	Zinc finger and scan domain containing 2	ZSCAN2	2.64
AL038191	Myotubularin related protein 3	MTMR3	2.64
AF147415	Spermatogenesis associated, serine-rich 2-like	Spats2l	2.63
AW452796	Uncharacterized loc100506453 /// zinc finger protein 839 pseudogene	LOC100506453 /// LOC389906	2.63

AW082633	Sh3 domain containing ring finger 2	SH3RF2	2.62
BC027932	Potassium voltage-gated channel, delayed-rectifier, subfamily s, member 2	KCNS2	2.60
AI523450	Scai suppressor of cancer cell invasion	Scai	2.59
AW452022	Outer dense fiber of sperm tails 2-like	ODF2L	2.59
AV650867	---	---	2.58
NM_005156	Polypyrimidine tract binding protein 3	PTBP3	2.58
BF339860	Clusterin	CLU	2.58
BM983749	Mpv17 mitochondrial membrane protein-like	MPV17L	2.57
AF255792	Llp homolog, long-term synaptic facilitation (aplysia)	LLPH	2.56
AI632692	Potassium inwardly-rectifying channel, subfamily j, member 15	KCNJ15	2.56
BF509219	Protein-l-isoaspartate (d-aspartate) o-methyltransferase domain containing 2	PCMTD2	2.56
BC039487	Homo sapiens, clone image:5538960, mrna.	BC039487	2.56
BE674920	Adp-ribosylation factor-like 17a /// adp-ribosylation factor-like 17b	ARL17A /// ARL17B	2.56
AI498484	Zinc finger protein 286a	ZNF286A	2.55
AF547222	Anti-cng alpha 1 cation channel translation product-like	LOC280665	2.55
BC037875	Uncharacterized loc285593	LOC285593	2.55
AI755057	---	---	2.55
BC040953	Peroxisomal biogenesis factor 13	PEX13	2.54
BC016065	Coq9 coenzyme q9	Coq9	2.54
BC006143	V-maf musculoaponeurotic fibrosarcoma oncogene homolog g (avian)	MAFG	2.54
NM_005761	Plexin c1	PLXNC1	2.54
BE501995	Adp-ribosylation factor 3	ARF3	2.54
R94644	Versican	VCAN	2.54
BC016002	Pleckstrin homology domain containing, family a (phosphoinositide binding specific) member 8	PLEKHA8	2.53
NM_006314	Connector enhancer of kinase suppressor of ras 1	CNKSR1	2.52
AI922404	---	---	2.51
AK026712	Proline rich 14-like	PRR14L	2.51
AI933671	Centrosome and spindle pole associated protein 1	CSPP1	2.50
AV752139	Uncharacterized loc646113	FLJ43390	2.50
BC014583	Coronin, actin binding protein, 1c	CORO1C	2.50
NM_000960	Prostaglandin i2 (prostacyclin) receptor	PTGIR	2.49



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BF696056	Urotensin 2 domain containing	UTS2D	2.49
AV717590	Ectonucleoside triphosphate diphosphohydrolase 1	ENTPD1	2.49
AK024269	Tight junction associated protein 1 (peripheral)	TJAP1	2.48
NM_005084	Phospholipase a2, group vii (platelet-activating factor acetylhydrolase, plasma)	PLA2G7	2.48
AU148255	---	---	2.48
BC008637	Proteasome (prosome, macropain) 26s subunit, non-atpase, 5	PSMD5	2.47
AI860021	Cyclin-dependent kinase 12	CDK12	2.46
BC026005	Fibronectin type iii domain containing 3b	FNDC3B	2.46
BF972355	Ring finger and ccch-type domains 2	RC3H2	2.45
NM_017935	B-cell scaffold protein with ankyrin repeats 1	BANK1	2.45
AA582460	Ribosomal protein l5 /// small nucleolar rna, c/d box 21	RPL5 /// SNORD21	2.44
AL045306	Nudix (nucleoside diphosphate linked moiety x)-type motif 10	NUDT10	2.43
BC024029	Long intergenic non-protein coding rna 423	LINC00423	2.43
AI927957	Exportin 7	XPO7	2.43
R95743	---	---	2.43
AA604601	---	---	2.41
AA747303	Exosome component 3	EXOSC3	2.41
AF079408	Hemochromatosis	HFE	2.41
BC031280	Rad21 antisense rna 1 (non-protein coding)	RAD21-AS1	2.41
BF508689	Zinc finger protein 311	ZNF311	2.41
NM_173677	Uncharacterized loc285962	FLJ40852	2.41
AI829734	---	---	2.40
AI871655	Syntaxin 3	STX3	2.40
BE219874	---	---	2.39
AA400269	Alpha-methylacyl-coa racemase	AMACR	2.38
BF111276	Internexin neuronal intermediate filament protein, alpha	INA	2.38
BC040662	Catenin (cadherin-associated protein), alpha 3	CTNNA3	2.38
J03866	Dihydrolipoamide s-acetyltransferase	DLAT	2.38
AA827922	Uncharacterized loc100506983	LOC100506983	2.37
AK026714	Pellino e3 ubiquitin protein ligase 1	PELI1	2.37
BE551219	Claudin 18	CLDN18	2.36

NM_016950	Sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	SPOCK3	2.36
AI767756	Heparan sulfate 6-o-sulfotransferase 2	HS6ST2	2.36
X06399	Cytochrome p450, family 2, subfamily b, polypeptide 6	CYP2B6	2.36
AI805700	Ptk2 protein tyrosine kinase 2	PTK2	2.35
NM_025010	Kelch-like 18 (drosophila)	KLHL18	2.35
AA878383	Bestrophin 3	BEST3	2.34
BE535717	Methyl-cpg binding domain protein 3	MBD3	2.34
AI424872	Uncharacterized loc100505915	LOC100505915	2.33
BC041456	Long intergenic non-protein coding rna 1231	LINC01231	2.33
NM_014592	Kv channel interacting protein 1	KCNIP1	2.32
AF197569	Chromosome 3 open reading frame 78	C3orf78	2.32
NM_018843	Solute carrier family 25, member 40	SLC25A40	2.32
AI860775	Pr domain containing 6	PRDM6	2.32
NM_003537	Histone cluster 1, h3a /// histone cluster 1, h3b /// histone cluster 1, h3c /// histone cluster 1, h3d /// histone cluster 1, h3e /// histone cluster 1, h3f /// histone cluster 1, h3g /// histone cluster 1, h3h /// histone cluster 1, h3i /// histone cluster 1, h3j	HIST1H3A /// HIST1H3B /// HIST1H3C /// HIST1H3D /// HIST1H3E /// HIST1H3F /// HIST1H3G /// HIST1H3H /// HIST1H3I /// HIST1H3J	2.31
NM_004949	Desmocollin 2	DSC2	2.31
AA456945	---	---	2.30
NM_005771	Dehydrogenase/reductase (sdr family) member 9	DHRS9	2.30
BG677577	Retinol dehydrogenase 10 (all-trans)	RDH10	2.30
H29479	Spectrin, beta, non-erythrocytic 1	SPTBN1	2.28
BM668595	G patch domain containing 2+	gpatch2	2.28
AI560205	Kiaa1841	KIAA1841	2.28
BC014311	Fch domain only 2	FCHO2	2.28
AA678124	Epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	EGFR	2.27
BC004921	Sp140 nuclear body protein-like	SP140L	2.26
U66046	Uncharacterized loc100272228	LOC100272228	2.26
BE789211	Dihydroorotate dehydrogenase (quinone)	DHODH	2.26
AI023795	Nlr family, card domain containing 4	NLRC4	2.25
AA524023	Tumor protein d52	TPD52	2.25

AL832081	Uncharacterized loc100506639 /// zinc finger protein 131	LOC100506639 /// ZNF131	2.25
AI808807	Sry (sex determining region y)-box 7	SOX7	2.25
BU192089	Long intergenic non-protein coding rna 515	LINC00515	2.25
NM_006869	Arfgap with dual ph domains 1	ADAP1	2.25
NM_145032	F-box and leucine-rich repeat protein 13	FBXL13	2.24
W74371	Wd repeat domain 41	WDR41	2.24
BC004969	Torsin a interacting protein 1	TOR1AIP1	2.24
AK024890	Pyrin and hin domain family, member 1	PYHIN1	2.24
AI311040	Endonuclease v /// uncharacterized loc100507440	ENDOV /// LOC100507440	2.24
D28468	D site of albumin promoter (albumin d-box) binding protein	DBP	2.23
BU588923	Nadh dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kda	NDUFB6	2.21
BM972759	Zinc finger protein 230	ZNF230	2.21
AI815001	Small nucleolar rna, h/aca box 72	SNORA72	2.21
AA744843	Similar to zinc finger protein riz	---	2.21
AI123586	Interleukin 31 receptor a	IL31RA	2.21
NM_022568	Aldehyde dehydrogenase 8 family, member a1	ALDH8A1	2.21
AF542097	Zinc finger protein 24	ZNF24	2.21
AA927995	Rap guanine nucleotide exchange factor (gef) 1	RAPGEF1	2.20
NM_006771	Keratin 38	KRT38	2.20
BE327727	Centrosomal protein 63kda	CEP63	2.19
AI082216	Family with sequence similarity 161, member b	FAM161B	2.19
BQ022804	Layilin	LAYN	2.19
BF592058	Yth domain containing 1	YTHDC1	2.19
BE551864	Uncharacterized loc440149	LOC440149	2.19
AW361702	Proteasome (prosome, macropain) 26s subunit, non-atpase, 7	psmd7	2.19
BF055060	---	---	2.18
AK001092	Phosphatidic acid phosphatase type 2b	Ppap2b	2.18
NM_017795	Ribonuclease t2	RNASSET2	2.18
AY174896	Creb3 regulatory factor	CREBRF	2.18
NM_018306	Transmembrane protein 40	TMEM40	2.17
BE549540	Cysteinyl leukotriene receptor 1	CYSLTR1	2.17
NM_004335	Bone marrow stromal cell antigen 2	BST2	2.17
BG010493	Nadh dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kda	NDUFB9	2.17

BE542323	Vestigial like 1 (drosophila)	VGLL1	2.17
AI630979	Failed axon connections homolog (drosophila)	FAXC	2.17
BC042908	Ribosomal rna processing 12 homolog (s. Cerevisiae)	RRP12	2.16
AY009402	Wingless-type mmtv integration site family, member 8a	WNT8A	2.16
AV753544	Phosphoglucosyltransferase 2-like 1	PGM2L1	2.16
AI004800	---	---	2.16
AW182934	Ribonuclease p/mrp 30kda subunit	RPP30	2.16
AA447830	Small nucleolar rna host gene 10 (non-protein coding)	SNHG10	2.16
AK027041	Fat storage-inducing transmembrane protein 2	fitm2	2.15
AV693985	Ets variant 2	ETV2	2.15
NM_004284	Chromodomain helicase dna binding protein 1-like	CHD1L	2.15
H17941	Monoglyceride lipase		2.15
NM_145756	Zinc finger protein 396	ZNF396	2.15
AL832042	Protein tyrosine phosphatase, receptor type, e	PTPRE	2.14
BE972419	Uncharacterized loc100190986	LOC100190986	2.14
AA679858	Splicing factor, arginine/serine-rich 2, interacting protein	SFRS2IP	2.14
AV650426	Aldolase b, fructose-bisphosphate	ALDOB	2.14
U80764	Nop2/sun domain family, member 6	NSUN6	2.14
NM_015852	Zinc finger protein 117	ZNF117	2.14
AK024108	---	---	2.14
AA354480	---	---	2.13
AI674786	Chromosome 1 open reading frame 173	C1orf173	2.13
W01715	N-acyl phosphatidylethanolamine phospholipase d	NAPEPLD	2.13
NM_024296	Coiled-coil domain containing 28b	CCDC28B	2.13
AF090942	Protein phosphatase 3 (formerly 2b), catalytic subunit, alpha isoform	PPP3CA	2.13
AJ431618	---	---	2.13
AK024879	---	---	2.13
AL832439	Long intergenic non-protein coding rna 342	LINC00342	2.12
AW273830	Sushi, nidogen and egf-like domains 1	SNED1	2.12
BE465173	Neuroblastoma, suppression of tumorigenicity 1	Nbl1	2.12
BC040700	E1a binding protein p300	EP300	2.11
NM_023070	Zinc finger protein 643	ZNF643	2.11

Z83838	Rho gtpase activating protein 8 /// prr5-arhgap8 readthrough	ARHGAP8 /// PRR5-ARHGAP8	2.11
BG149482	Zinc finger protein 333	ZNF333	2.11
AB064670	Ok/sw-cl.36	OK/SW-CL.36	2.11
AI028309	Zinc finger protein 81	ZNF81	2.10
AA002064	Phosphatidylinositol transfer protein, alpha	pitpna	2.10
BC010900	Ubiquitin-conjugating enzyme e2w (putative)	UBE2W	2.10
AI023433	Udp-n-acetyl-alpha-d-galactosamine:polypeptide n-acetylgalactosaminyltransferase 5 (galnact5)	GALNT5	2.10
AA166895	Nescient helix loop helix 2	NHLH2	2.10
AK023839	---	---	2.10
AK023580	Family with sequence similarity 129, member b	FAM129B	2.10
AL031313	Ribosomal protein l22 pseudogene 22 /// - -	RPL22P22 /// RPL22P22	2.10
AA521080	Long intergenic non-protein coding rna 1410	LINC01410	2.10
AL139377	Coiled-coil domain containing 169 /// ccdc169-sohlh2 readthrough /// spermatogenesis and oogenesis specific basic helix-loop-helix 2	CCDC169 /// CCDC169-SOHLH2 /// SOHLH2	2.08
X83300	Glucuronidase, beta pseudogene 3 /// glucuronidase, beta pseudogene 9	GUSBP3 /// GUSBP9	2.08
AA442490	Iba57, iron-sulfur cluster assembly homolog (s. Cerevisiae)	IBA57	2.08
AA633627	Microtubule-associated protein 1a	MAP1A	2.08
AK024949	Epc1 enhancer of polycomb homolog 1	EPC1	2.08
AC006042	Glucocorticoid induced transcript 1	GLCCI1	2.08
AA603467	Zinc finger protein 503	ZNF503	2.08
AW974816	Ankyrin repeat domain 17	ANKRD17	2.08
AW665865	Phospholipase c, eta 1	PLCH1	2.08
AI129310	Kiaa0226-like	KIAA0226L	2.08
AB051487	Dual specificity phosphatase 16	DUSP16	2.07
BE466825	Zinc finger protein 565	ZNF565	2.07
AW195572	Aftiphilin	AFTPH	2.07
BC038707	Homo sapiens, similar to neuronal thread protein, clone	---	2.07
BC001099	Selenoprotein o	SELO	2.06

AK096768	Pyruvate dehydrogenase phosphatase regulatory subunit pseudogene /// pyruvate dehydrogenase phosphatase regulatory subunit	LOC283922 /// PDPR	2.06
D17207	Elovl family member 5, elongation of long chain fatty acids (fen1/elo2, sur4/elo3-like, yeast)	Elovl5	2.06
BF983202	Salvador homolog 1 (drosophila)	SAV1	2.06
M31213	Ret proto-oncogene	RET	2.06
AI810764	Melanophilin	MLPH	2.05
AI380529	Diphthamine biosynthesis 6	DPH6	2.05
AK000993	Ccz1 vacuolar protein trafficking and biogenesis associated homolog b (s. Cerevisiae)	CCZ1B	2.05
AI733653	Elp4 elongator acetyltransferase complex subunit 4	Elp4	2.05
AI807532	Epoxide hydrolase 4	EPHX4	2.04
AI521254	Histidine rich carboxyl terminus 1	HRCT1	2.04
AI127440	Fras1 related extracellular matrix 1	FREM1	2.04
NM_012240	Sirtuin 4	SIRT4	2.04
AL157421	Spag5 antisense rna 1 (non-protein coding)	SPAG5-AS1	2.04
AA868193	Receptor accessory protein 5	REEP5	2.04
AL137383	Uncharacterized loc153682	LOC153682	2.04
AI701480	Uncharacterized loc153577	LOC153577	2.04
AI694242	Pr domain containing 16	PRDM16	2.04
AI753488	Glutamate-cysteine ligase, modifier subunit	GCLM	2.03
AF233336	Epoxide hydrolase 2, cytoplasmic	EPHX2	2.03
BF308548	Tumor suppressor candidate 2	TUSC2	2.03
NM_022127	Solute carrier family 28 (sodium-coupled nucleoside transporter), member 3	SLC28A3	2.03
M59917	Sphingomyelin phosphodiesterase 1, acid lysosomal	SMPD1	2.03
BC005335	Transmembrane protein 87a	TMEM87A	2.03
AU156837	Uncharacterized loc284561	LOC284561	2.03
BC034477	Ectonucleoside triphosphate diphosphohydrolase 4	ENTPD4	2.02
AI821447	Kruppel-like factor 8	KLF8	2.02
BE880892	Chromosome 2 open reading frame 27a	C2orf27A	2.02
AI150613	Trk-fused gene	TFG	2.02
AI580966	Ae binding protein 2	AEBP2	2.02
AW299531	Homeobox d10	HOXD10	2.02
NM_031294	Leucine rich repeat containing 48	LRRC48	2.02
NM_032763	Uncharacterized protein mgc16142	MGC16142	2.01

AI828035	Glutaminase	GLS	2.01
NM_012338	Tetraspanin 12	TSPAN12	2.01
AW235608	Tetratricopeptide repeat domain 9	TTC9	2.01
AK027069	---	---	2.01
BC037286	Nima (never in mitosis gene a)-related kinase 4	NEK4	2.01
BE543518	Cytosolic iron-sulfur protein assembly 1	CIAO1	2.01
AI743123	Zinc finger, zz-type containing 3	ZZZ3	2.01
NM_000753	Phosphodiesterase 3b, cgmp-inhibited	PDE3B	2.01
AF269088	Ankyrin repeat domain 30b	ANKRD30B	2.01
U43383	Cmt1a duplicated region transcript 1	CDRT1	2.01
NM_003481	Ubiquitin specific peptidase 5 (isopeptidase t)	USP5	2.00
D81004	---	---	2.00
BE548749	Zinc finger protein 546	ZNF546	2.00
AA455106	Hypothetical loc285768	---	2.00
AI200555	Uncharacterized loc100505687	LOC100505687	2.00
NM_024838	Threonine synthase-like 1 (s. Cerevisiae)	THNSL1	2.00