

Supplementary Table 2 van Soest_Bergen

Primary Sequence Name	Sequence Code	Sequence Description	FC MvsP1	FC MvsP2	sign M vs P1	sign M1 vs P2
AOC2	NM_009590	Amine oxidase, copper containing 2 (retina-specific)	39.94	19.63	39.94	
SFRP4	NM_003014	Secreted frizzled-related protein 4	3.37	15.08		15.08
ALDH1A3	NM_000693	Aldehyde dehydrogenase 1 family, member A3	8.21	14.41	8.21	14.41
MYOC	NM_000261	Myocilin, trabecular meshwork inducible glucocorticoid response	9.44	13.27	9.44	13.27
OGN	NM_014057	Osteoglycin (osteoinductive factor, mimecan)	1.01	12.69		12.69
DIO3	NM_001362	Deiodinase, iodothyronine, type III	56.59	9.94	56.59	9.94
MFAP4	L38486	Microfibrillar-associated protein 4	2.21	8.84	2.21	8.84
HSD17B2	NM_002153	Hydroxysteroid (17-beta) dehydrogenase 2	24.09	8.78	24.09	8.78
KIT	NM_000222	V-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	2.91	7.94	2.91	7.94
FCGBP	NM_003890	Fc fragment of IgG binding protein	1.60	7.39		7.39
C11orf43	AK025719	Chromosome 11 open reading frame 43	2.17	6.51	2.17	6.51
TREM2	NM_018965	Triggering receptor expressed on myeloid cells 2	4.08	6.19		6.19
PROCR	NM_006404	Protein C receptor, endothelial (EPCR)	2.98	5.82		5.82
SPP1	NM_000582	Secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1)	4.61	5.70		5.70
GPR133	AL162032	G protein-coupled receptor 133	1.84	5.14		5.14
OCA2	NM_000275	Oculocutaneous albinism II (pink-eye dilution homolog, mouse)	1.98	4.96		4.96
APOD	NM_001647	Apolipoprotein D	2.72	4.69		4.69
CDH1	NM_004360	Cadherin 1, type 1, E-cadherin (epithelial)	2.00	4.63		4.63

KSP37	NM_031950	Ksp37 protein	3.40	4.47		4.47
CDH11	NM_001797	Cadherin 11, type 2, OB-cadherin (osteoblast)	1.55	4.43		4.43
KITLG	AK055903	KIT ligand	1.13	4.41		4.41
CYBRD1	AL136693	Cytochrome b reductase 1	-1.38	4.40		4.40
LTBP2	NM_000428	Latent transforming growth factor beta binding protein 2	2.70	4.28		4.28
DACT1	NM_016651	Dapper, antagonist of beta-catenin, homolog 1 (Xenopus laevis)	1.80	4.20		4.20
PDGFRA	NM_006206	Platelet-derived growth factor receptor, alpha polypeptide	1.49	4.10		4.10
TMEM51	NM_018022	Transmembrane protein 51	2.03	4.10	2.03	4.10
PITX2	NM_000325	Paired-like homeodomain transcription factor 2	1.54	4.08		4.08
BACE2	NM_012105	Beta-site APP-cleaving enzyme 2	3.15	4.06		4.06
TGFB3	NM_003239	Transforming growth factor, beta 3	2.18	4.00		4.00
KIAA1199	AB033025	KIAA1199	2.05	3.94	2.05	3.94
ABI3BP	NM_015429	ABI gene family, member 3 (NESH) binding protein	1.23	3.88		3.88
CCL26	NM_006072	Chemokine (C-C motif) ligand 26	3.10	3.81		3.81
GNG11	NM_004126	Guanine nucleotide binding protein (G protein), gamma 11	2.05	3.75	2.05	
GPC3	NM_004484	Glypican 3	1.79	3.72		3.72
TMEFF2	NM_016192	Transmembrane protein with EGF-like and two follistatin-like domains 2	1.23	3.72		3.72
LTBP1	NM_000627	Latent transforming growth factor beta binding protein 1	1.88	3.70		3.70
HPGD	NM_000860	Hydroxyprostaglandin dehydrogenase 15-(NAD)	1.12	3.66		3.66
P8	NM_012385	p8 protein (candidate of metastasis 1)	3.25	3.46		3.46
TFPI2	NM_006528	Tissue factor pathway inhibitor 2	2.68	3.45	2.68	3.45
PPAP2B	NM_003713	Phosphatidic acid phosphatase type 2B	1.25	3.45		3.45
ANG	NM_001145	Ribonuclease, RNase A family, 4	2.67	3.41		3.41
SMOC2	AJ420521	SPARC related	1.49	3.38		3.38

		modular calcium binding 2				
STK24	NM_003576	Serine/threonine kinase 24 (STE20 homolog, yeast)	-1.04	3.33		3.33
TGFB2	AK021874	Transforming growth factor, beta 2	2.34	3.32		3.32
SOD3	NM_003102	Superoxide dismutase 3, extracellular	3.28	3.26	3.28	3.26
TMEPAI	NM_020182	Transmembrane, prostate androgen induced RNA	1.58	3.24	1.58	3.24
EMX2	NM_004098	Empty spiracles homolog 2 (Drosophila)	2.44	3.22	2.44	3.22
EGF	NM_001963	Epidermal growth factor (beta-urogastrone)	1.74	3.20		3.20
LRIG1	AB050468	Leucine-rich repeats and immunoglobulin-like domains 1	1.55	3.15		3.15
FAM38B	NM_022068	Family with sequence similarity 38, member B	1.88	3.12		3.12
F13A1	NM_000129	Coagulation factor XIII, A1 polypeptide	2.20	3.05		3.05
NS5ATP13 TP2	AK021720	NS5ATP13TP2 protein	1.95	3.05	1.95	3.05
DCT	NM_001922	Dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)	2.48	3.03		3.03
CYP1B1	NM_000104	Cytochrome P450, family 1, subfamily B, polypeptide 1	1.06	3.02		3.02
MLANA	NM_005511	Melan-A	1.69	3.02		3.02
TF	NM_001063	Transferrin	2.47	2.93	2.47	2.93
ADAMTS4	NM_005099	ADAM metalloproteinase with thrombospondin type 1 motif, 4	1.53	2.89		2.89
CBR3	NM_001236	Carbonyl reductase 3	1.57	2.88		2.88
FLJ20701	NM_017933	hypothetical protein FLJ20701	1.17	2.87		2.87
FLJ11895	NM_032161	Homo sapiens hypothetical protein FLJ11895 (FLJ11895), mRNA.	1.71	2.81		2.81
CDKL1	NM_004196	Cyclin-dependent kinase-like 1 (CDC2-related kinase)	1.06	2.77	1.06	
PIR	NM_003662	Pirin (iron-binding nuclear protein)	1.28	2.76		2.76
MXRA8	NM_032348	Matrix-remodelling associated 8	1.74	2.72		2.72

ADH1A	NM_000667	Alcohol dehydrogenase 1C (class I), gamma polypeptide	1.91	2.72		2.72
C10orf56	AL049949	Chromosome 10 open reading frame 56	1.71	2.69		2.69
FLJ10633	NM_018162	Homo sapiens hypothetical protein FLJ10633 (FLJ10633), mRNA.	1.73	2.63	1.73	
MGC4655	NM_033309	hypothetical protein MGC4655	1.45	2.61		2.61
TGFBR3	NM_003243	Transforming growth factor, beta receptor III (betaglycan, 300kDa)	1.55	2.57		2.57
BCL2	NM_000633	B-cell CLL/lymphoma 2	1.59	2.55		2.55
GDF15	NM_004864	Growth differentiation factor 15	2.00	2.55	2.00	2.55
IGFBP6	NM_002178	Insulin-like growth factor binding protein 6	2.27	2.49		2.49
C4B	NM_000592	Complement component 4A	1.80	2.46		2.46
SERPING1	NM_000062	Serpin peptidase inhibitor, clade G (C1 inhibitor), member 1, (angioedema, hereditary)	6.11	2.40		2.40
AA481806	AA481806	aa93f03.s1 Stratagene fetal retina 937202 Homo sapiens cDNA clone IMAGE:838877 3', mRNA sequence.	-2.40	2.37	-2.40	
CCDC74A	BC016861	Coiled-coil domain containing 74A	1.84	2.32		2.32
EMILIN1	NM_007046	Elastin microfibril interfacier 1	1.69	2.30	1.69	2.30
TPSAB1	NM_003294	Tryptase beta 2	1.85	2.26		2.26
NBL1	NM_005380	Neuroblastoma, suppression of tumorigenicity 1	2.12	2.22		2.22
CHCHD6	NM_032343	Coiled-coil-helix-coiled-coil-helix domain containing 6	1.26	2.21		2.21
BE856278	BE856278	7f91g02.x1 NCI_CGAP_Brn23 Homo sapiens cDNA clone IMAGE:3304370 3' similar to contains L1.b1 L1 repetitive element ; mRNA sequence.	2.55	2.20	2.55	

SLC17A7	NM_020309	Solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7	2.63	2.18	2.63	
AI003379	AI003379	Transcribed locus	2.13	2.18	2.13	2.18
BI554066	BI554066	603235466F1 NCI_CGAP_Brn67 Homo sapiens cDNA clone IMAGE:5309537 5', mRNA sequence.	1.74	2.17	1.74	
INPP4B	AI953893	Inositol polyphosphate-4-phosphatase, type II, 105kDa	3.43	2.11	3.43	2.11
FBN1	NM_000138	Fibrillin 1 (Marfan syndrome)	1.57	2.10		2.10
DKK3	NM_013253	Dickkopf homolog 3 (Xenopus laevis)	1.71	2.10		2.10
ELF2	NM_006874	E74-like factor 2 (ets domain transcription factor)	2.19	2.09	2.19	
C3	NM_000064	Complement component 3	2.66	2.06		2.06
LAPTM4A	NM_014713	Lysosomal-associated protein transmembrane 4 alpha	1.06	2.00		2.00
PRELP	NM_002725	Proline/arginine-rich end leucine-rich repeat protein	2.33	1.98		1.98
SHC4	AL035883	Transcribed locus	2.11	1.94	2.11	
ANKRD16	AL137614	Ankyrin repeat domain 16	1.61	1.91		1.91
LEPR	U50748	Leptin receptor	2.08	1.90	2.08	
TRIP6	AF000974	Thyroid hormone receptor interactor 6	1.67	1.89	1.67	
PDZRN3	AB029018	PDZ domain containing RING finger 3	1.16	1.87		1.87
AL513921	AL513921	AL513921 Homo sapiens PLACENTA Homo sapiens cDNA clone CL0BA006ZG09 3-PRIME, mRNA sequence.	1.71	1.85	1.71	
HLA-DOA	NM_002119	Major histocompatibility complex, class II, DP alpha 1	2.32	1.84	2.32	
CDH23	NM_022124	Cadherin-like 23	2.18	1.83	2.18	
OFD1	NM_003611	Oral-facial-digital syndrome 1	4.07	1.82	4.07	
AA021278	AA021278	Transcribed locus	1.07	1.82		1.82
KIAA0963	NM_014963	KIAA0963	1.94	1.79	1.94	

ASS	NM_000050	Argininosuccinate synthetase	2.92	1.79	2.92	
SPANXA1	NM_013453	Sperm protein associated with the nucleus, X-linked, family member A1	1.38	1.77	1.38	
VANGL1	NM_024062	Homo sapiens vang-like 1 (van gogh, Drosophila) (VANGL1), mRNA.	2.22	1.73	2.22	
LMTK2	NM_014916	Lemur tyrosine kinase 2	2.00	1.72	2.00	
FMNL2	AB067489	Formin-like 2	1.28	1.72		1.72
CYB5R3	NM_007326	Cytochrome b5 reductase 3	1.23	1.71		1.71
AA218641	AA218641	Transcribed locus	1.85	1.71	1.85	
ZNF503	NM_032772	Zinc finger protein 503	1.99	1.70	1.99	
	AL109783	MRNA full length insert cDNA clone EUROIMAGE 163507	2.02	1.69	2.02	
EI24	NM_004879	Etoposide induced 2.4 mRNA	1.78	1.68	1.78	
DDX24	AL119608	DEAD (Asp-Glu-Ala-Asp) box polypeptide 24	2.52	1.68	2.52	
GFPT2	NM_005110	Glutamine-fructose-6-phosphate transaminase 2	4.92	1.68	4.92	
KIAA1754	AB051541	KIAA1754	1.46	1.67	1.46	1.67
HEBP1	NM_015987	Heme binding protein 1	1.19	1.66		1.66
TP53	NM_000546	Tumor protein p53 (Li-Fraumeni syndrome)	2.07	1.66	2.07	
PIK3C2G	NM_004570	Phosphoinositide-3-kinase, class 2, gamma polypeptide	2.05	1.65	2.05	
GRIK3	NM_000831	Glutamate receptor, ionotropic, kainate 3	2.20	1.64	2.20	
ALDH2	NM_000690	Aldehyde dehydrogenase 2 family (mitochondrial)	1.02	1.64		1.64
MLLT10	NM_004641	Myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila)	1.61	1.64	1.61	
ABCA10	NM_080282	ATP-binding cassette, sub-family A (ABC1), member 10	1.26	1.63		1.63
BRD3	AW138687	Bromodomain containing 3	2.24	1.61	2.24	
TNNT1	BG217313	Troponin T type 1 (skeletal, slow)	2.00	1.61	2.00	

KIAA0409	AL515775	KIAA0409	2.19	1.61	2.19	
CCL19	NM_006274	Chemokine (C-C motif) ligand 19	1.70	1.60	1.70	1.60
R45266	R45266	Transcribed locus	2.06	1.58	2.06	
OLFML3	NM_020190	Olfactomedin-like 3	1.65	1.58		1.58
ISLR	NM_005545	Immunoglobulin superfamily containing leucine-rich repeat	2.17	1.57	2.17	
PRDX6	NM_004905	Peroxiredoxin 6	1.61	1.56	1.61	
ACN9	NM_020186	ACN9 homolog (S. cerevisiae)	2.12	1.55	2.12	
FBXW10	NM_031456	F-box and WD-40 domain protein 10	-1.05	1.55	-1.05	
FRMD5	AW015920	Transcribed locus	1.57	1.54	1.57	
CD81	NM_004356	CD81 molecule	1.27	1.52		1.52
DYNC2LI1	AW131874	Dynein, cytoplasmic 2, light intermediate chain 1	2.56	1.52	2.56	
LOC442075	BG204924	weakly similar to serine/threonine protein kinase Kp78	1.84	1.52	1.84	
COL6A1	NM_001848	Collagen, type VI, alpha 1	1.18	1.51		1.51
1-Sep	NM_052838	Septin 1	2.39	1.51	2.39	
RAFTLIN	D42043	raft-linking protein	1.56	1.51	1.56	
RGC32	NM_014059	response gene to complement 32	-1.87	1.49	-1.87	
AL037421	AL037421	Transcribed locus	2.12	1.48	2.12	
CRTC1	NM_025021	CREB regulated transcription coactivator 1	1.99	1.47	1.99	
CDC25C	NM_001790	Cell division cycle 25C	2.60	1.47	2.60	
FXVD3	NM_021910	FXVD domain containing ion transport regulator 3	1.74	1.45	1.74	
AI114492	AI114492	Transcribed locus	1.05	1.45		1.45
AASDH	BG681142	2-aminoadipic 6-semialdehyde dehydrogenase	1.88	1.45	1.88	
LOH3CR2A	NM_013343	Loss of heterozygosity, 3, chromosomal region 2, gene A	1.50	1.43	1.50	
GRHPR	NM_012203	Glyoxylate reductase/hydroxypyruvate reductase	1.18	1.43		1.43
C3orf58	BI552539	Chromosome 3 open reading frame 58	2.05	1.43	2.05	
R45557	R45557	Transcribed locus	1.56	1.42	1.56	
ZNF133	NM_003434	Zinc finger protein 133 (clone pHZ-13)	1.54	1.41	1.54	
MT1E	BG191659	Metallothionein 1E (functional)	2.06	1.40	2.06	
CHD1L	NM_004284	Chromodomain	2.08	1.40	2.08	

		helicase DNA binding protein 1-like				
TTRAP	AW972292	TRAF and TNF receptor associated protein	1.13	1.40	1.13	
HLCS	AI089425	Holocarboxylase synthetase (biotin-(propionyl-Coenzyme A-carboxylase (ATP-hydrolysing)) ligase)	2.47	1.39	2.47	
NEDD4L	AA019094	Neural precursor cell expressed, developmentally down-regulated 4-like	1.55	1.39	1.55	
DOCK1	BE223068	Dedicator of cytokinesis 1	2.00	1.39	2.00	
RPL17	NM_000985	Ribosomal protein L17	-2.27	1.38	-2.27	
HIF3A	NM_022462	Hypoxia inducible factor 3, alpha subunit	2.13	1.38	2.13	
SETBP1	NM_015559	SET binding protein 1	1.31	1.38		1.38
SERPINB5	NM_002639	Serpin peptidase inhibitor, clade B (ovalbumin), member 5	2.17	1.38	2.17	
COL9A2	NM_001852	Collagen, type IX, alpha 2	1.59	1.38	1.59	
NLE1	NM_018096	Notchless homolog 1 (Drosophila)	2.22	1.38	2.22	
BE261437	BE261437	601146805F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:3162312 5', mRNA sequence.	1.84	1.37	1.84	
KIAA1432	AB037853	KIAA1432	1.63	1.35	1.63	
MCM7	NM_005916	MCM7 minichromosome maintenance deficient 7 (S. cerevisiae)	2.27	1.35	2.27	
BF437925	BF437925	Transcribed locus	2.44	1.35	2.44	
ERBB4	R45926	V-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)	1.96	1.33	1.96	
OSBPL7	NM_017731	Oxysterol binding protein-like 7	2.35	1.33	2.35	
MORN1	NM_024848	MORN repeat containing 1	2.04	1.33	2.04	
SPEN	NM_015001	Spen homolog, transcriptional regulator (Drosophila)	2.51	1.32	2.51	
AI732969	AI732969	Transcribed locus	2.70	1.32	2.70	

FLJ35390	BC014556	hypothetical protein FLJ35390	1.72	1.32	1.72
BG190000	BG190000	Transcribed locus	2.41	1.31	2.41
VAX2	NM_012476	Ventral anterior homeobox 2	1.54	1.31	1.54
GRIK5	AA977136	Glutamate receptor, ionotropic, kainate 5	1.88	1.31	1.88
WDR22	AB058727	WD repeat domain 22	2.25	1.31	2.25
BIC	AF402776	BIC transcript	1.94	1.30	1.94
R13901	R13901	yf62b07.r1 Soares infant brain 1NIB Homo sapiens cDNA clone IMAGE:26699 5', mRNA sequence.	1.94	1.28	1.94
LOC441351	AA046461	CDNA clone IMAGE:4797645	1.72	1.28	1.72
LRRC29	AA167217	Leucine rich repeat containing 29	2.37	1.28	2.37
SHANK3	BF986692	SH3 and multiple ankyrin repeat domains 3	1.99	1.27	1.99
RPL7	NM_000971	Ribosomal protein L7	-1.68	1.26	-1.68
MAOB	NM_000898	Monoamine oxidase B	2.68	1.26	2.68
WDR68	NM_005828	WD repeat domain 68	2.18	1.26	2.18
CALU	NM_001219	Calumenin	-1.56	1.26	-1.56
KCNG1	NM_002237	Potassium voltage-gated channel, subfamily G, member 1	1.85	1.25	1.85
JUND	NM_005354	Jun D proto-oncogene	1.33	1.25	1.33
OPA3	NM_025136	Optic atrophy 3 (autosomal recessive, with chorea and spastic paraplegia)	1.78	1.25	1.78
CENTB1	NM_014716	Centaurin, beta 1	1.80	1.25	1.80
AI884753	AI884753	wl84c10.x1 NCI_CGAP_Brn25 Homo sapiens cDNA clone IMAGE:2431602 3', mRNA sequence.	2.29	1.24	2.29
LOC146177	BI916787	hypothetical protein LOC146177	1.70	1.22	1.70
DARC	NM_002036	Duffy blood group, chemokine receptor	1.90	1.22	1.90
TEAD2	BC007556	TEA domain family member 2	1.47	1.22	1.47
TRIM39	BC007661	Tripartite motif-containing 39	1.68	1.22	1.68
CHPF	NM_024536	chondroitin polymerizing factor	1.85	1.20	1.85
TRPM7	BF939551	Transient receptor	2.15	1.18	2.15

		potential cation channel, subfamily M, member 7				
FLJ13195	NM_022906	Homo sapiens hypothetical protein FLJ13195 similar to stromal antigen 3 (FLJ13195), mRNA.	1.71	1.18	1.71	
SFT2D1	AK021489	MRNA; cDNA DKFZp667D087 (from clone DKFZp667D087)	-1.78	1.18	-1.78	
SPOCK3	NM_016950	Sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3	1.73	1.18	1.73	
IGL@	AK057065	Immunoglobulin lambda locus	2.32	1.16	2.32	
FEZ2	NM_005102	Fasciculation and elongation protein zeta 2 (zygin II)	-1.52	1.16	-1.52	
CDH13	NM_001257	Cadherin 13, H-cadherin (heart)	1.76	1.16	1.76	
TSSK1	NM_032028	Testis-specific serine kinase 1	2.00	1.15	2.00	
SLC25A37	NM_016612	Solute carrier family 25, member 37	2.38	1.14	2.38	
C12orf22	AI417295	Transcribed locus	1.99	1.14	1.99	
PCM1	BC000453	Pericentriolar material 1	1.87	1.13	1.87	
ANKS6	BF312789	Ankyrin repeat and sterile alpha motif domain containing 6	2.56	1.13	2.56	
LSM3	NM_014463	LSM3 homolog, U6 small nuclear RNA associated (S. cerevisiae)	-1.33	1.13	-1.33	
SLC1A2	NM_004171	Solute carrier family 1 (glial high affinity glutamate transporter), member 2	2.34	1.12	2.34	
AL534569	AL534569	Transcribed locus	1.81	1.11		1.11
PPP1R12B	R41870	Protein phosphatase 1, regulatory (inhibitor) subunit 12B	2.09	1.09	2.09	
SUB1	NM_006713	SUB1 homolog (S. cerevisiae)	-1.52	1.08	-1.52	
MAD1L1	NM_003550	MAD1 mitotic arrest deficient-like 1 (yeast)	2.12	1.07	2.12	
WFDC2	NM_006103	WAP four-disulfide core domain 2	1.96	1.07	1.96	
KRT19	NM_002276	Keratin 17	2.70	1.07	2.70	
DPYSL4	NM_006426	Dihydropyrimidinase-like 4	-2.71	1.05	-2.71	

MSN	NM_002444	Moesin	2.36	1.05	2.36
HUS1	NM_004507	HUS1 checkpoint homolog (S. pombe)	2.48	1.05	2.48
RPL23A	NM_000984	Ribosomal protein L23a	-1.52	1.04	-1.52
15-Sep	NM_004261	15 kDa selenoprotein	-1.60	1.04	-1.60
RNF133	AK022391	Ring finger protein 133	2.23	1.04	2.23
NRD1	NM_002525	Nardilysin (N-arginine dibasic convertase)	1.71	1.03	1.71
SKP1A	NM_006930	S-phase kinase-associated protein 1A (p19A)	-1.53	1.03	-1.53
KATNB1	NM_005886	Katanin p80 (WD repeat containing) subunit B 1	-1.99	1.02	-1.99
PCSK7	NM_004716	Proprotein convertase subtilisin/kexin type 7	2.24	1.02	2.24
SNX3	NM_003795	Sorting nexin 3	-1.64	1.02	-1.64
FRZB	NM_001463	Frizzled-related protein	-1.56	1.01	-1.56
CCNI	NM_006835	Cyclin I	-2.15	1.01	-2.15
SLIT1	NM_003061	Slit homolog 1 (Drosophila)	-1.04	1.01	-1.04
BG254392	BG254392	602368978F1 NIH_MGC_91 Homo sapiens cDNA clone IMAGE:4477195 5', mRNA sequence.	2.24	1.01	2.24
LOC441207	AK026723	CDNA: FLJ23070 fis, clone LNG05629	2.32	1.00	2.32
OTUB1	NM_017670	OTU domain, ubiquitin aldehyde binding 1	-1.46	-1.00	-1.46
USP18	NM_017414	Ubiquitin specific peptidase 18	2.01	-1.01	2.01
MRPL13	NM_014078	Mitochondrial ribosomal protein L13	-1.80	-1.01	-1.80
PTS	NM_000317	6-pyruvoyltetrahydropterin synthase	-1.72	-1.02	-1.72
EIF2S2	NM_003908	Eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa	-1.86	-1.02	-1.86
RAP1A	NM_002884	RAP1A, member of RAS oncogene family	-1.86	-1.03	-1.86
RBM35B	NM_024939	RNA binding motif protein 35B	2.53	-1.03	2.53
BI522966	BI522966	603175461R1 NIH_MGC_121 Homo sapiens cDNA	2.09	-1.03	2.09

		clone IMAGE:5239791 3', mRNA sequence.				
SLC4A4	NM_003759	Solute carrier family 4, sodium bicarbonate cotransporter, member 4	-1.93	-1.05	-1.93	
LOC84661	NM_032574	dpy-30-like protein	-1.94	-1.07	-1.94	
EIF3S6	NM_001568	Eukaryotic translation initiation factor 3, subunit 6 48kDa	-2.26	-1.07	-2.26	
TMEM66	NM_016127	Transmembrane protein 66	-2.12	-1.08	-2.12	
ITGB1	NM_002211	Integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	-1.30	-1.09	-1.30	
RPS13	NM_001017	Ribosomal protein S13	-1.41	-1.10	-1.41	
USP9X	NM_004652	Ubiquitin specific peptidase 9, X- linked (fat facets- like, Drosophila)	-1.70	-1.10	-1.70	
NDUFB5	NM_002492	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa	-1.83	-1.10	-1.83	
ARMCX3	NM_016607	Armadillo repeat containing, X-linked 3	-2.14	-1.11	-2.14	
EEF1A1	NM_001402	Eukaryotic translation elongation factor 1 alpha 1	-2.15	-1.11	-2.15	
GOLGA7	NM_016099	Golgi autoantigen, golgin subfamily a, 7	-1.52	-1.13	-1.52	
SFRS2	NM_003016	Splicing factor, arginine/serine-rich 2	1.70	-1.14	1.70	
NCOA4	NM_005437	Nuclear receptor coactivator 4	-1.95	-1.14	-1.95	
OLFM2	NM_058164	Olfactomedin 2	2.19	-1.15	2.19	
NDUFB3	NM_002491	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa	-1.55	-1.16	-1.55	
COX7CP1	AF042165	Homo sapiens cytochrome c oxidase subunit VIIc (COX7CP1) pseudogene, complete sequence.	-1.65	-1.17	-1.65	
CFDP1	NM_006324	Craniofacial	-1.94	-1.18	-1.94	

		development protein 1				
PSMD14	NM_005805	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	-1.75	-1.18	-1.75	
PGCP	NM_016134	plasma glutamate carboxypeptidase	-1.59	-1.19	-1.59	
EEF2	NM_001961	Eukaryotic translation elongation factor 2	-1.61	-1.20	-1.61	
ELAVL1	BC003376	ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R)	-1.91	-1.20	-1.91	
PLXNA1	NM_032242	Plexin A1	-1.81	-1.20	-1.81	
TARBP1	NM_005646	Tar (HIV-1) RNA binding protein 1	-1.42	-1.23	-1.42	
MRPS35	NM_021821	Mitochondrial ribosomal protein S35	-1.49	-1.24	-1.49	
GPR39	AA167540	Transcribed locus	-1.54	-1.24		-1.24
POLR2J	NM_006234	DNA directed RNA polymerase II polypeptide J-related gene	-1.45	-1.24	-1.45	
YWHAB	NM_003404	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	-1.54	-1.24	-1.54	
BE260094	BE260094	601146938F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:3162369 5', mRNA sequence.	-2.44	-1.24		-1.24
EIF3S6IP	NM_016091	Eukaryotic translation initiation factor 3, subunit 6 interacting protein	-1.88	-1.24	-1.88	
UBA52	NM_003333	Ubiquitin A-52 residue ribosomal protein fusion product 1	-2.40	-1.26	-2.40	
TMEM147	NM_032635	Seven transmembrane domain protein	-1.75	-1.28	-1.75	
CANX	NM_001746	Calnexin	-1.84	-1.28	-1.84	
PLEK2	NM_016445	Pleckstrin 2	1.47	-1.29	1.47	
SNRPN	NM_022807	Small nuclear ribonucleoprotein polypeptide N	-1.83	-1.29	-1.83	
C15orf15	NM_016304	Chromosome 15 open reading frame 15	-1.50	-1.29	-1.50	
RAB3GAP1	D31886	RAB3 GTPase activating protein	-2.02	-1.30	-2.02	

		subunit 1 (catalytic)				
HIST3H2A	NM_033445	Histone 3, H2a	-1.77	-1.31	-1.77	
SPCS2	NM_014752	Signal peptidase complex subunit 2 homolog (S. cerevisiae)	-1.90	-1.31	-1.90	
DKFZP564O0823	AK025205	DKFZP564O0823 protein	-1.94	-1.32	-1.94	
RPL26	NM_000987	Ribosomal protein L26	-2.53	-1.33	-2.53	
PFN2	NM_002628	Profilin 2	-1.40	-1.33	-1.40	
SAR1B	NM_016103	SAR1 gene homolog B (S. cerevisiae)	-1.82	-1.34	-1.82	
GMFB	NM_004124	Glia maturation factor, beta	-1.62	-1.34	-1.62	
SDCBP	NM_005625	Syndecan binding protein (syntenin)	-2.30	-1.34	-2.30	
LOC283824	AL050125	hypothetical protein LOC283824	-1.55	-1.35	-1.55	
BTG1	NM_001731	B-cell translocation gene 1, anti-proliferative	-1.58	-1.36	-1.58	
NDUFA8	NM_014222	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8, 19kDa	-1.55	-1.36	-1.55	
RPL18A	NM_000980	Ribosomal protein L18a	-2.38	-1.36	-2.38	
GLO1	NM_006708	Glyoxalase I	-1.69	-1.36	-1.69	
LOC201895	BC008502	hypothetical protein LOC201895	-2.51	-1.36	-2.51	
C17orf59	NM_017622	Chromosome 17 open reading frame 59	-1.58	-1.36	-1.58	
FAM117A	NM_030802	C/EBP-induced protein	-1.54	-1.36	-1.54	
GABARAP L2	NM_007285	GABA(A) receptor-associated protein-like 2	-1.51	-1.37	-1.51	
NF2	A1937250	Neurofibromin 2 (bilateral acoustic neuroma)	-1.56	-1.37	-1.56	-1.37
YWHAB	NM_014052	Homo sapiens tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide (YWHAB), transcript variant 1, mRNA.	-1.66	-1.37	-1.66	
BE260897	BE260897	601150689F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:3503159 5', mRNA sequence.	-2.18	-1.38		-1.38
PXMP3	NM_000318	Peroxisomal	-1.70	-1.38	-1.70	

		membrane protein 3, 35kDa (Zellweger syndrome)				
HSPA1A	NM_005345	Heat shock 70kDa protein 1A	-2.44	-1.39	-2.44	
CCT5	BC002971	Chaperonin containing TCP1, subunit 5 (epsilon)	-1.74	-1.39	-1.74	
ELL	NM_006532	Elongation factor RNA polymerase II	-1.69	-1.40	-1.69	
TMCC1	AB018322	Transmembrane and coiled-coil domain family 1	-1.33	-1.41	-1.33	
OAZ1	NM_004152	Ornithine decarboxylase antizyme 1	-1.70	-1.42	-1.70	
IER3IP1	NM_016097	Immediate early response 3 interacting protein 1	-1.49	-1.42	-1.49	
CXXC5	BC006428	CXXC finger 5	-1.78	-1.43	-1.78	
PACSIN2	NM_007229	Protein kinase C and casein kinase substrate in neurons 2	-1.49	-1.44	-1.49	
EEF1G	NM_001404	Eukaryotic translation elongation factor 1 gamma	-1.77	-1.45	-1.77	
BXDC5	NM_025065	Brix domain containing 5	-1.59	-1.46	-1.59	
C14orf2	NM_004894	Chromosome 14 open reading frame 2	-1.80	-1.46	-1.80	
PGD	NM_002631	Phosphogluconate dehydrogenase	-2.04	-1.47	-2.04	
DNAJA3	AF244136	DnaJ (Hsp40) homolog, subfamily A, member 3	-1.53	-1.47	-1.53	
ARFGAP1	NM_018209	ADP-ribosylation factor GTPase activating protein 1	-1.12	-1.48		-1.48
C20orf24	NM_018840	Chromosome 20 open reading frame 24	-1.75	-1.49	-1.75	
ACTG1	NM_001614	Actin, gamma 1	-1.84	-1.50	-1.84	
IDH3A	NM_005530	Isocitrate dehydrogenase 3 (NAD+) alpha	-1.46	-1.53		-1.53
DNAJB6	NM_005494	DnaJ (Hsp40) homolog, subfamily B, member 6	-2.43	-1.54	-2.43	
TOLLIP	AL136835	Toll interacting protein	-1.67	-1.54	-1.67	
MIB2	BC016490	Mindbomb homolog 2 (Drosophila)	-1.29	-1.54	-1.29	-1.54
TRIM37	NM_015294	Tripartite motif-containing 37	-1.54	-1.55		-1.55
SMG5	AB029012	Smg-5 homolog,	-1.22	-1.56		-1.56

		nonsense mediated mRNA decay factor (C. elegans)				
NECAP1	NM_015509	NECAP endocytosis associated 1	-1.84	-1.57		-1.57
RPL39	NM_001000	Ribosomal protein L39	-1.45	-1.60	-1.45	
PFKP	NM_002627	Phosphofructokinase, platelet	-1.24	-1.61	-1.24	
NDUFB2	NM_004546	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa	-1.68	-1.61	-1.68	
VPS35	NM_018206	Vacuolar protein sorting 35 (yeast)	-1.53	-1.61	-1.53	
TUBB2A	NM_001069	Tubulin, beta 2B	-1.67	-1.62	-1.67	
COMP	NM_000095	Cartilage oligomeric matrix protein	-1.75	-1.62	-1.75	
GAPDH	NM_002046	Glyceraldehyde-3-phosphate dehydrogenase	-2.42	-1.62	-2.42	
MRLC2	NM_033546	myosin regulatory light chain MRLC2	-1.80	-1.63	-1.80	
RPL13	NM_000977	Ribosomal protein L13	-1.82	-1.63	-1.82	
EIF2S1	NM_004094	Eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa	-1.92	-1.64	-1.92	
MGC13114	NM_032366	hypothetical protein MGC13114	-1.09	-1.64		-1.64
DYNLRB1	NM_014183	Dynein, light chain, roadblock-type 1	-1.52	-1.65	-1.52	
POLRMT	NM_005035	Polymerase (RNA) mitochondrial (DNA directed)	-1.29	-1.67	-1.29	-1.67
RPN1	NM_002950	Ribophorin I	-1.70	-1.68	-1.70	
C2orf32	BC011535	Chromosome 2 open reading frame 32	-1.74	-1.68	-1.74	
RPS16	NM_001020	Ribosomal protein S16	-1.72	-1.69	-1.72	
RHEB	NM_005614	Ras homolog enriched in brain	-1.64	-1.70	-1.64	
TEGT	NM_003217	Testis enhanced gene transcript (BAX inhibitor 1)	-2.30	-1.73	-2.30	
IDH3G	NM_004135	Isocitrate dehydrogenase 3 (NAD+) gamma	-1.52	-1.73		-1.73
USP12	AF022789	Ubiquitin specific peptidase 12	-1.93	-1.74	-1.93	
ERGIC3	NM_015966	ERGIC and golgi 3	-1.86	-1.74	-1.86	
LRRC49	NM_017691	Leucine rich repeat containing 49	-1.89	-1.75	-1.89	
SOD1	NM_000454	Superoxide dismutase 1, soluble	-1.76	-1.76	-1.76	-1.76

		(amyotrophic lateral sclerosis 1 (adult))				
DCTN3	NM_007234	Dynactin 3 (p22)	-1.77	-1.77	-1.77	
DSCR1	NM_004414	Down syndrome critical region gene 1	-1.57	-1.77	-1.57	
LOC285711	BF511077	hypothetical LOC285711	-1.23	-1.77	-1.23	
RPL28	NM_000991	Ribosomal protein L28	-1.69	-1.78	-1.69	-1.78
POLR2I	NM_006233	Polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa	-2.27	-1.78	-2.27	-1.78
RGS2	NM_002923	Regulator of G-protein signalling 2, 24kDa	-2.14	-1.79	-2.14	
CD164	NM_006016	CD164 molecule, sialomucin	-2.52	-1.79	-2.52	
THBS4	NM_003248	Thrombospondin 4	-1.87	-1.80	-1.87	
K-ALPHA-1	NM_006082	alpha tubulin	-1.85	-1.80	-1.85	
EVL	NM_016337	Enah/Vasp-like	-1.65	-1.80		-1.80
RTBDN	NM_031429	Retbindin	-1.23	-1.81		-1.81
TPI1	NM_000365	Triosephosphate isomerase 1	-2.43	-1.88	-2.43	
PLEKHB2	AK054998	Pleckstrin homology domain containing, family B (eectins) member 2	-2.10	-1.89	-2.10	
PVALB	NM_002854	Parvalbumin	-1.39	-1.89		-1.89
CST3	NM_000099	Cystatin C (amyloid angiopathy and cerebral hemorrhage)	-1.58	-1.89	-1.58	
PARP1	NM_001618	Poly (ADP-ribose) polymerase family, member 1	-1.53	-1.90		-1.90
GNGT1	NM_021955	Guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1	-4.85	-1.90		-1.90
FOXJ1	NM_001454	Forkhead box J1	-2.19	-1.91		-1.91
TIMM17B	NM_005834	Translocase of inner mitochondrial membrane 17 homolog B (yeast)	-1.30	-1.91		-1.91
AW090131	AW090131	xc91g04.x1 NCI_CGAP_Brn35 Homo sapiens cDNA clone IMAGE:2591670 3' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);contains PTR5.b3 MSR1 repetitive element ; mRNA sequence.	-1.89	-1.93		-1.93

CSPG5	NM_006574	Chondroitin sulfate proteoglycan 5 (neuroglycan C)	-1.60	-1.94	-1.60	
PTOV1	NM_017432	Prostate tumor overexpressed gene 1	-1.73	-1.94	-1.73	-1.94
RUFY3	NM_014961	RUN and FYVE domain containing 3	-2.45	-1.94	-2.45	
HIST1H3F	NM_021018	Histone 1, H3f	-2.19	-1.94	-2.19	
TUBB4Q	NM_020040	Tubulin, beta polypeptide 4, member Q	-2.11	-1.95	-2.11	
SCG2	NM_003469	Secretogranin II (chromogranin C)	-3.18	-1.95	-3.18	
PAFAH1B3	NM_002573	Platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit 29kDa	-1.47	-1.97		-1.97
MMD	NM_012329	Monocyte to macrophage differentiation-associated	-1.77	-1.97	-1.77	-1.97
PRPF8	NM_006445	PRP8 pre-mRNA processing factor 8 homolog (yeast)	-1.42	-1.99	-1.42	-1.99
RDH8	NM_015725	Retinol dehydrogenase 8 (all-trans)	-1.15	-1.99		-1.99
LSM4	NM_012321	LSM4 homolog, U6 small nuclear RNA associated (S. cerevisiae)	-1.74	-2.00	-1.74	
CPE	NM_001873	Carboxypeptidase E	-2.52	-2.02		-2.02
MGC39497	BG201172	hypothetical protein MGC39497	-2.05	-2.06		-2.06
LMOD1	NM_012134	Leiomodin 1 (smooth muscle)	-1.98	-2.06		-2.06
MGC4825	NM_024122	hypothetical protein MGC4825	-1.51	-2.07	-1.51	
CHGA	NM_001275	Chromogranin A (parathyroid secretory protein 1)	-1.85	-2.09		-2.09
GPATC1	NM_018025	G patch domain containing 1	-2.59	-2.11	-2.59	
SPATA20	NM_022827	Spermatogenesis associated 20	-2.00	-2.11	-2.00	-2.11
DNAJA1	NM_001539	DnaJ (Hsp40) homolog, subfamily A, member 1	-2.76	-2.14	-2.76	
IDI1	NM_004508	Isopentenyl-diphosphate delta isomerase 1	-1.92	-2.15	-1.92	
GLUL	NM_002065	Glutamate-ammonia ligase (glutamine synthetase)	-2.95	-2.16	-2.95	
RICS	NM_014715	Rho GTPase-activating protein	-2.41	-2.17	-2.41	

ATP2C1	NM_014382	ATPase, Ca++ transporting, type 2C, member 1	-1.90	-2.19	-1.90	-2.19
SERPINF1	NM_002615	Serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1	-2.01	-2.20	-2.01	
NDUFS8	NM_002496	NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23kDa (NADH-coenzyme Q reductase)	-2.01	-2.21		-2.21
AI870981	AI870981	Transcribed locus	-1.71	-2.26		-2.26
KIAA1345	AB037766	KIAA1345 protein	-1.45	-2.27		-2.27
LGI1	NM_005097	Leucine-rich, glioma inactivated 1	-2.12	-2.28		-2.28
FAM103A1	NM_031452	Family with sequence similarity 103, member A1	-2.39	-2.33	-2.39	
KIF3C	AF035621	Kinesin family member 3C	-2.23	-2.37	-2.23	
CHN1	NM_001822	Chimerin (chimaerin) 1	-2.12	-2.44	-2.12	-2.44
BCDO2	NM_031938	Beta-carotene dioxygenase 2	-2.82	-2.47	-2.82	
FLJ25076	AK057805	similar to CG4502-PA	-1.91	-2.52		-2.52
AW088087	AW088087	xc97d07.x1 NCI_CGAP_Brn35 Homo sapiens cDNA clone IMAGE:2592205 3' similar to contains PTR5.b2 MER22 repetitive element ; mRNA sequence.	-2.79	-2.55	-2.79	-2.55
UCHL1	AK055249	Ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)	-1.97	-2.55	-1.97	-2.55
MAP1B	NM_005909	Microtubule-associated protein 1B	-4.52	-2.55	-4.52	
ACOT7	NM_007274	Acyl-CoA thioesterase 7	-2.29	-2.70	-2.29	
LBH	NM_030915	hypothetical protein DKFZp566J091	-2.91	-2.72	-2.91	-2.72
MFAP3L	NM_021647	Microfibrillar-associated protein 3-like	-2.53	-2.81		-2.81
KIAA1155	AB032981	KIAA1155 protein	-2.09	-2.84	-2.09	
AK055112	AK055112	3'UTR of hypothetical protein (ORF1)	-1.66	-2.85	-1.66	
TUBA6	NM_032704	Tubulin, alpha 6	-2.63	-2.86	-2.63	-2.86

DLG4	NM_001365	Discs, large homolog 4 (Drosophila)	-2.18	-2.94		-2.94
AI860987	AI860987	Transcribed locus, strongly similar to XP_542173.2 PREDICTED: similar to CG1676-PA [Canis familiaris]	-3.22	-3.05	-3.22	
C1orf36	AV721413	Chromosome 1 open reading frame 36	-2.76	-3.09	-2.76	-3.09
PROM1	NM_006017	Prominin 1	-3.49	-3.12		-3.12
KBTBD10	NM_006063	Kelch repeat and BTB (POZ) domain containing 10	-2.46	-3.15		-3.15
DUSP6	NM_001946	Dual specificity phosphatase 6	-3.88	-3.21	-3.88	-3.21
RALY	NM_016732	RNA binding protein, autoantigenic (hnRNP-associated with lethal yellow homolog (mouse))	-2.24	-3.21	-2.24	
ASB13	NM_024701	Ankyrin repeat and SOCS box-containing 13	-2.30	-3.22	-2.30	
KIAA0284	AB006622	KIAA0284	-1.69	-3.23		-3.23
PDE6C	NM_006204	Phosphodiesterase 6C, cGMP-specific, cone, alpha prime	-4.64	-3.24	-4.64	
GNGT2	BG396167	Guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 2	-1.60	-3.36		-3.36
NDRG4	NM_020465	NDRG family member 4	-2.47	-3.37		-3.37
GNB3	NM_002075	Triosephosphate isomerase 1	-2.22	-3.37	-2.22	
DDX10	NM_004398	DEAD (Asp-Glu-Ala-Asp) box polypeptide 10	-3.19	-3.39	-3.19	-3.39
PDE6H	NM_006205	Phosphodiesterase 6H, cGMP-specific, cone, gamma	-2.21	-3.47	-2.21	
OPN1SW	NM_001708	Opsin 1 (cone pigments), short-wave-sensitive (color blindness, tritan)	-4.27	-3.56	-4.27	-3.56
C1QL1	NM_006688	Complement component 1, q subcomponent-like 1	-2.99	-3.61	-2.99	
GNGT2	NM_031498	Guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 2	-2.85	-3.62	-2.85	-3.62
PGF	NM_002632	Placental growth	-1.36	-3.66		-3.66

		factor, vascular endothelial growth factor-related protein				
GAS1	NM_002048	Growth arrest-specific 1	-1.98	-3.67		-3.67
STMN2	NM_007029	Stathmin-like 2	-2.86	-3.73	-2.86	-3.73
ECT2	NM_018098	Epithelial cell transforming sequence 2 oncogene	-3.25	-3.74	-3.25	
C5orf23	NM_024563	Hypothetical protein FLJ14054	1.00	-3.77		-3.77
PLA1A	NM_015900	Phospholipase A1 member A	-2.01	-4.13	-2.01	-4.13
KCNC2	AF268897	Homo sapiens voltage gated potassium channel Kv3.2a mRNA, complete cds; alternatively spliced.	-3.81	-4.16	-3.81	
AQP9	NM_020980	Aquaporin 9	-2.61	-4.19	-2.61	-4.19
OPN1LW	NM_020061	Opsin 1 (cone pigments), long-wave-sensitive (color blindness, protan)	-3.14	-4.62	-3.14	
NPTX1	NM_002522	Neuronal pentraxin I	-2.99	-4.82	-2.99	
OPN1MW	NM_000513	Opsin 1 (cone pigments), medium-wave-sensitive (color blindness, deutan)	-4.06	-6.03	-4.06	-6.03
CXCL14	NM_004887	Chemokine (C-X-C motif) ligand 14	-2.32	-7.39	-2.32	-7.39
NEF3	NM_005382	Neurofilament 3 (150kDa medium)	-4.16	-9.34		-9.34
NEFH	NM_021076	Neurofilament, heavy polypeptide 200kDa	-3.20	-9.35	-3.20	-9.35
WFDC1	NM_021197	WAP four-disulfide core domain 1	-7.58	-25.62		-25.62
SLC17A6	NM_020346	Solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6	-3.18	-110.63		-110.63