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OF MICE AND MEN: SPARSE STATISTICAL MODELLING IN CARDIOVASCULAR GENOMICS

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SUPPLEMENTARY FIGURES AND TABLES

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Parameter	Effect
$\beta_{g,1}$	Baseline - 6wk old, Female, Chow diet, Wild type
$\beta_{g,2}$	ApoE-/-
$\beta_{g,3}$	Age: 12wk
$\beta_{g,4}$	Sex: Male
$\beta_{g,5}$	Western diet
$\beta_{g,6}$	ApoE-/- , 12wk
$\beta_{g,7}$	ApoE-/- , Male
$\beta_{g,8}$	ApoE-/- , Western diet
$\beta_{g,9}$	12wk, Male
$\beta_{g,10}$	12wk, Western diet
$\beta_{g,11}$	Male, Western diet
$\beta_{g,12}$	ApoE-/- , 12wk, Male
$\beta_{g,13}$	ApoE-/- , 12wk, Western diet
$\beta_{g,14}$	ApoE-/- , Male, Western diet
$\beta_{g,15}$	12wk, Male, Western diet
$\beta_{g,16}$	ApoE-/- , 12wk, Male, Western diet

TABLE 1

Parameter vectors in murine atherosclerosis study (refer to Section 3, and Table 1 of the main paper). For each gene g the linear Anova model is defined by the $n \times k$ design matrix H of 0/1 of $1 \times k$ vector rows h_i' for samples in the corresponding group, with additive effects $\beta_{g,\cdot}$ as we move through groups.

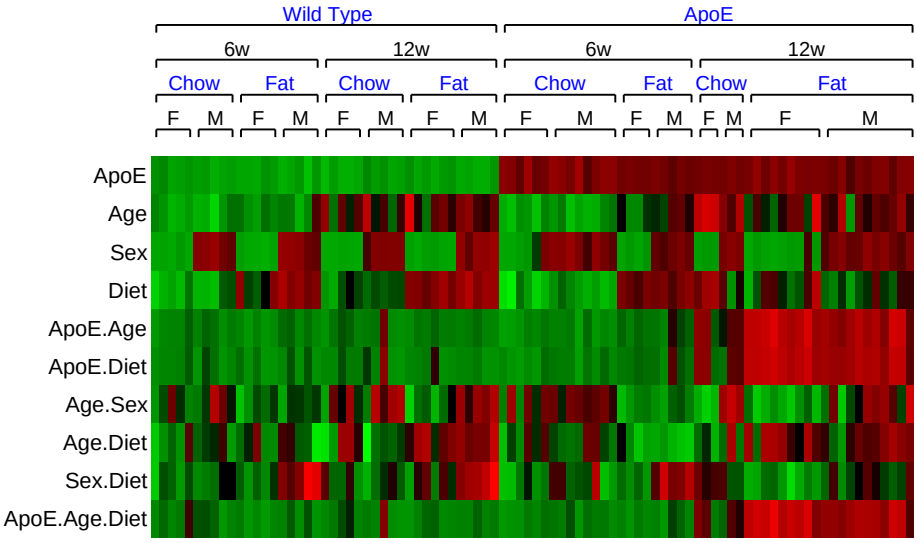

FIG 1. *Expression image of metagenes in the mice model analysis (refer to Section 5.4, and Figure 5, of the main paper). The metagenes are imaged for only those design groups for which there are significant gene expression changes (at the 0.99 probability level for at least one gene per group). This small number of metagene signatures across all design groups provide a massive dimension reduction of the expression data that conveys much of the information that globally characterises differences across genetic and environmental categories. In particular, these summaries and their numerical values characterise much of the discriminatory information across risk categories and define a "bar-code" of design states in a vastly reduced dimension relative to the original gene expression data.*

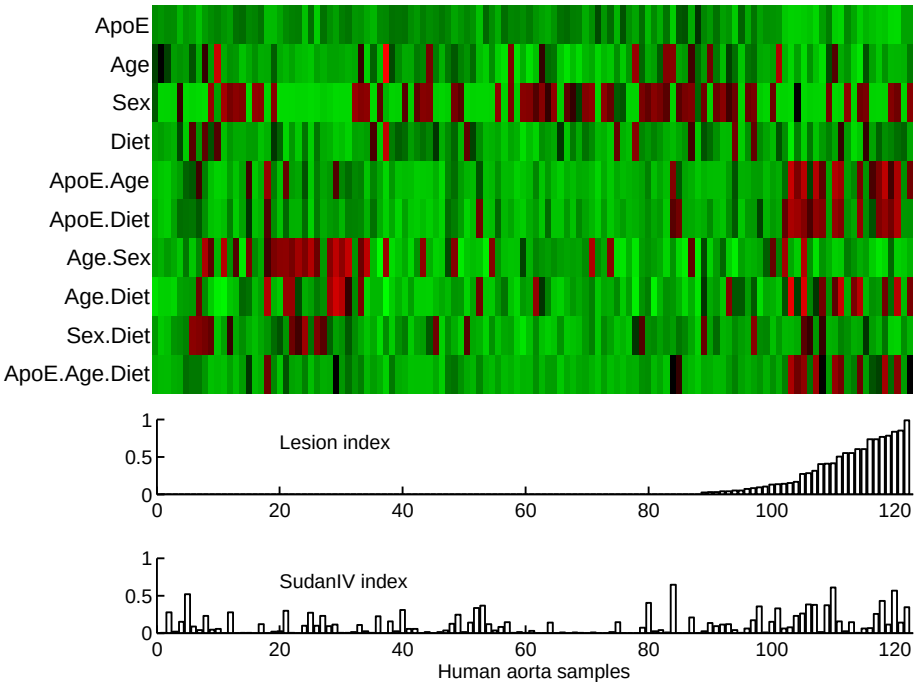

FIG 2. *Heat map of mouse-model signatures projected on human aorta samples (refer to Section 8, and Figure 6, of the main paper). Colour coding red indicates higher levels of expression signatures, green indicates lower levels. This provides an overall visual assessment of the set of projected signatures. The key clinical measure "Lesion index" appears associated with higher signatures from the key risk groups (ApoeE.Age, ApoE.Diet, ApoE.Age.Diet) across these human samples. In contrast, the SudanIV staining measure shows little or no relationship to the projected signatures.*

TABLE OF GENES MOST HIGHLY SIGNIFICANT IN INTERSECTIONS OF RISK GROUPS

Table gives Affymetrix U133 human probeset names - homologues of probes on mouse array

The three risk groups are numbered as in the main text of the paper (see Table 1)

j=6 ApoE.Age group
j=8 ApoE.Diet group
j=13 ApoE.Age.Diet group

Estimates of expression effects in each group: j=6	j=8	j=13	Affymetrix ID	Affymetrix descriptor
				% ==========
			6 genes: Intersection of three groups j=6,8,13	
-0.41	-0.34	0.69	36659_at	Cluster Incl. X05610:Human mRNA for type IV collagen alpha (2) chain /cds=(0,1379) /gb=X05610 /gi=29550 /ug=Hs.75617 /len=
-0.55	-0.36	0.77	39333_at	Cluster Incl. M26576:Human alpha-1 collagen type IV gene /cds=(0,5009) /gb=M26576 /gi=180801 /ug=Hs.119129 /len=5010
-0.55	-0.4	0.57	37653_at	Cluster Incl. AF018081:Homo sapiens type XVIII collagen (COL18A1) mRNA, alternatively spliced, long form, complete cds /cds=(
0.69	0.38	0.61	33391_r_at	Cluster Incl. S57235:CD68=110kda transmembrane glycoprotein [human, promonocyte cell line U937, mRNA, 1722 nt] /cds=(15,1
1.5	0.62	1.5	2092_s_at	J04765 /FEATURE= /DEFINITION=HUMOSTRO Human osteopontin mRNA, complete cds
-0.46	-0.4	0.63	37653_at	Cluster Incl. AF018081:Homo sapiens type XVIII collagen (COL18A1) mRNA, alternatively spliced, long form, complete cds /cds=(
				% ==========
			1 gene: Intersection of j=6,8 but not 13	
0.27	0.22	-0.13	38976_at	Cluster Incl. D44497:Human mRNA for actin binding protein p57, complete cds /cds=(100,1485) /gb=D44497 /gi=927648 /ug=Hs.1
				% ==========
			10 genes: Intersection of j=6,13 but not 8	
0.45	0.089	0.53	37759_at	Cluster Incl. U51240:Human lysosomal-associated multitransmembrane protein (LAPTm5) mRNA, complete cds /cds=(75,863) /gb
0.39	0.12	-0.38	35256_at	Cluster Incl. AL096737:Homo sapiens mRNA; cDNA DKFZp434F152 (from clone DKFZp434F152) /cds=UNKNOWN /gb=AL0967
0.56	0.17	-0.6	1733_at	M60315 /FEATURE= /DEFINITION=HUMTGFBC Human transforming growth factor-beta (tgf-beta) mRNA, complete cds

0.44	0.21	-0.59	39279_at	Cluster Incl. M60315:Human transforming growth factor-beta (tgf-beta) mRNA, complete cds /cds=(159,1700) /gb=M60315 /gi=33
0.61	0.036	0.79	41433_at	Cluster Incl. M73255:Human vascular cell adhesion molecule-1 (VCAM1) gene, complete CDS /cds=(124,2343) /gb=M73255 /gi=3
0.79	0.18	0.84	583_s_at	M30257 /FEATURE= /DEFINITION=HUMCAM1V Human vascular cell adhesion molecule 1 mRNA, complete cds
0.53	0.15	0.53	583_s_at	M30257 /FEATURE= /DEFINITION=HUMCAM1V Human vascular cell adhesion molecule 1 mRNA, complete cds
0.56	0.053	-0.57	38000_at	Cluster Incl. S72370:pyruvate carboxylase [human, kidney, mRNA, 4017 nt] /cds=(82,3618) /gb=S72370 /gi=632807 /ug=Hs.8989
1.1	0.24	1.2	35367_at	Cluster Incl. AB006780:Homo sapiens mRNA for galectin-3, complete cds /cds=(53,805) /gb=AB006780 /gi=2385451 /ug=Hs.621
0.56	0.047	-0.65	35702_at	Cluster Incl. M76665:Human 11-beta-hydroxysteroid dehydrogenase (HSD11) gene /cds=(94,972) /gb=M76665 /gi=179474 /ug=H

% ==========

56 genes: Intersection of j=8,13 but not 6

0.13	-0.37	0.42	31682_s_at	Cluster Incl. D32039:Human pgH3 mRNA for proteoglycan PG-M(V3), complete cds /cds=(105,2072) /gb=D32039 /gi=1008912 /u
0.066	0.33	-0.5	398_at	X98743 /FEATURE=cds /DEFINITION=HSRNAHELC H.sapiens mRNA for RNA helicase (Myc-regulated dead box protein)
0.0008	0.3	-0.36	486_at	U60521 /FEATURE= /DEFINITION=HSU60521 Human protease proMch6 (Mch6) mRNA, complete cds
-0.042	-0.35	0.49	1825_at	L33075 /FEATURE= /DEFINITION=HUMIQGA Homo sapiens ras GTPase-activating-like protein (IQGAP1) mRNA, complete cds
0.078	-0.27	0.49	39738_at	Cluster Incl. Z82215:Homo sapiens DNA sequence from PAC 68O2 on chromosome 22. Contains apolipoprotein L, myosin heavy
-0.18	-0.37	0.52	38775_at	Cluster Incl. X13916:Human mRNA for LDL-receptor related protein /cds=(466,14100) /gb=X13916 /gi=34338 /ug=Hs.89137 /len=
0.18	0.37	-0.54	32001_s_at	Cluster Incl. M80482:Human subtilisin-like protein (PACE4) mRNA, complete cds /cds=(169,3078) /gb=M80482 /gi=189531 /ug=H
0.054	0.22	-0.26	40545_at	Cluster Incl. AB018566:Homo sapiens gene for Proline synthetase associated, complete cds /cds=(0,827) /gb=AB018566 /gi=412
-0.11	0.38	-0.46	38439_at	Cluster Incl. L24123:Homo sapiens NRF1 protein (NRF1) mRNA /cds=UNKNOWN /gb=L24123 /gi=438646 /ug=Hs.83469 /len=49
-0.17	-0.41	0.48	1335_at	X04434 /FEATURE=cds /DEFINITION=HSIGFIRR Human mRNA for insulin-like growth factor I receptor
0.078	-0.3	0.75	1648_at	U60805 /FEATURE= /DEFINITION=HSU60805 Human oncostatin-M specific receptor beta subunit (OSMRB) mRNA, complete cc
0.034	0.27	-0.24	448_s_at	U93237 /FEATURE=mRNA#1 /DEFINITION=HSU93237 Human menin (MEN1) gene, complete cds
-0.24	-0.51	0.55	36637_at	Cluster Incl. L19605:Homo sapiens 56K autoantigen annexin XI gene mRNA, complete cds /cds=(178,1695) /gb=L19605 /gi=4571
-0.082	0.32	-0.46	32608_at	Cluster Incl. AF000560:Homo sapiens TTF-I interacting peptide 20 mRNA, partial cds /cds=(0,1157) /gb=AF000560 /gi=2145059 /
-0.16	-0.35	0.44	39071_at	Cluster Incl. M14648:Human cell adhesion protein (vitronectin) receptor alpha subunit mRNA, complete cds /cds=(41,3187) /gb=M
-0.022	0.39	-0.52	41517_g_at	Cluster Incl. U95735:Human SNARE protein Ykt6 (YKT6) mRNA, complete cds /cds=(59,655) /gb=U95735 /gi=2529436 /ug=Hs.3
0.04	-0.32	0.31	140_s_at	U68063 /FEATURE= /DEFINITION=HSU68063 Human transformer-2 beta (htra-2 beta) mRNA, complete cds
0.067	0.24	-0.3	34410_at	Cluster Incl. U49260:Human mevalonate pyrophosphate decarboxylase (MPD) mRNA, complete cds /cds=(7,1209) /gb=U49260 /g
-0.13	0.4	-0.49	34758_at	Cluster Incl. U23028:Human eukaryotic initiation factor 2B-epsilon mRNA, partial cds /cds=(0,1925) /gb=U23028 /gi=806853 /ug=H
-0.066	-0.39	0.41	35363_at	Cluster Incl. AL080113:Homo sapiens mRNA; cDNA DKFZp586K2322 (from clone DKFZp586K2322) /cds=UNKNOWN /gb=AL08
-0.019	0.32	-0.45	34827_at	Cluster Incl. AF045458:Homo sapiens serine/threonine kinase ULK1 (ULK1) mRNA, complete cds /cds=(268,3420) /gb=AF04545
0.081	0.25	-0.29	1049_g_at	U38480 /FEATURE= /DEFINITION=HSU38480 Human retinoid X receptor-gamma mRNA, complete cds
-0.22	-0.35	0.52	33213_g_at	Cluster Incl. AF006751:Homo sapiens ES/130 mRNA, complete cds /cds=(70,3003) /gb=AF006751 /gi=3299884 /ug=Hs.98614 /le
0.011	-0.37	0.52	37403_at	Cluster Incl. X05908:Human mRNA for lipocortin /cds=(74,1114) /gb=X05908 /gi=34387 /ug=Hs.78225 /len=1399
0.023	0.32	-0.38	34626_at	Cluster Incl. AI391567:tg16b07.x1 Homo sapiens cDNA, 3 end /clone=IMAGE-2108917 /clone_end=3 /gb=AI391567 /gi=421757

-0.31	-0.32	0.56	36931_at	Cluster Incl. M95787:Human 22kDa smooth muscle protein (SM22) mRNA, complete cds /cds=(75,680) /gb=M95787 /gi=177174 /
-0.22	0.4	-0.45	40101_g_at	Cluster Incl. U72206:Human guanine nucleotide regulatory factor (LFP40) mRNA, complete cds /cds=(102,2786) /gb=U72206 /gi=
-0.094	0.34	-0.49	37615_at	Cluster Incl. D86962:Human mRNA for KIAA0207 gene, complete cds /cds=(781,2547) /gb=D86962 /gi=1503997 /ug=Hs.81875 /l
-0.047	0.38	-0.45	36181_at	Cluster Incl. X82456:H.sapiens MLN50 mRNA /cds=(75,860) /gb=X82456 /gi=2407912 /ug=Hs.75080 /len=3846
-0.0049	0.28	-0.37	1681_at	X03635 /FEATURE=cds /DEFINITION=HSERR Human mRNA for oestrogen receptor
-0.082	0.31	-0.36	33343_at	Cluster Incl. AB022663:Homo sapiens HFB30 mRNA, complete cds /cds=(236,1660) /gb=AB022663 /gi=5019617 /ug=Hs.215857
0.34	-0.53	0.69	672_at	J03764 /FEATURE=cds /DEFINITION=HUMPAIA Human, plasminogen activator inhibitor-1 gene, exons 2 to 9
-0.13	-0.48	0.44	39097_at	Cluster Incl. X63753:H.sapiens son-a mRNA /cds=(414,4985) /gb=X63753 /gi=36545 /ug=Hs.92909 /len=5675
0.096	0.31	-0.36	36611_at	Cluster Incl. U25849:Human red cell-type low molecular weight acid phosphatase (ACP1) gene, 5 flanking region and /cds=(775,1
-0.052	-0.39	0.48	33867_s_at	Cluster Incl. X77494:H.sapiens MSSP-2 mRNA /cds=(231,1400) /gb=X77494 /gi=453412 /ug=Hs.239870 /len=1709
-0.11	0.31	-0.37	39336_at	Cluster Incl. M74491:Human ADP-ribosylation factor 3 mRNA, complete cds /cds=(311,856) /gb=M74491 /gi=178161 /ug=Hs.119
-0.018	-0.27	0.24	34372_at	Cluster Incl. AB002310:Human mRNA for KIAA0312 gene, partial cds /cds=(0,5721) /gb=AB002310 /gi=2224564 /ug=Hs.3383 /le
-0.19	-0.39	0.36	41195_at	Cluster Incl. U49957:Human LIM protein (LPP) mRNA, partial cds /cds=(246,2084) /gb=U49957 /gi=1537016 /ug=Hs.180398 /len=
-0.036	-0.52	0.46	39444_at	Cluster Incl. AF054284:Homo sapiens spliceosomal protein SAP 155 mRNA, complete cds /cds=(0,3914) /gb=AF054284 /gi=4033
-0.098	0.3	-0.32	32925_at	Cluster Incl. AL021578:Human DNA sequence from clone 453C12 on chromosome 20q12-13.12 /cds=(9,1877) /gb=AL021578 /gi=
-0.11	0.26	-0.32	34626_at	Cluster Incl. AI391567:tg16b07.x1 Homo sapiens cDNA, 3 end /clone=IMAGE-2108917 /clone_end=3 /gb=AI391567 /gi=421757
-0.014	0.32	-0.32	33778_at	Cluster Incl. AL096779:Novel human gene mapping to chomosome 2213.3 similar to yeast ORF YOR070C, putative GTPase Acti
0.021	0.29	-0.36	493_at	U29171 /FEATURE= /DEFINITION=HSU29171 Human casein kinase I delta mRNA, complete cds
0.32	0.44	-0.6	1640_at	U17714 /FEATURE= /DEFINITION=HSU17714 Homo sapiens putative tumor suppressor ST13 (ST13) mRNA, complete cds
0.0025	0.33	-0.35	40561_at	Cluster Incl. AA631074:nq77d10.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-1158355 /clone_end=3 /gb=AA631074 /gi=2553
0.14	0.34	-0.45	39866_at	Cluster Incl. AB028986:Homo sapiens mRNA for KIAA1063 protein, partial cds /cds=(0,1781) /gb=AB028986 /gi=5689462 /ug=Hs
0.069	-0.28	0.41	980_at	AF002020 /FEATURE= /DEFINITION=AF002020 Homo sapiens Niemann-Pick C disease protein (NPC1) mRNA, complete cds
-0.18	-0.35	0.41	38704_at	Cluster Incl. AB007934:Homo sapiens mRNA for KIAA0465 protein, partial cds /cds=(0,5093) /gb=AB007934 /gi=3413891 /ug=Hs
0.12	0.3	-0.37	36496_at	Cluster Incl. AF014398:Homo sapiens myo-inositol monophosphatase 2 mRNA, complete cds /cds=(141,1007) /gb=AF014398 /gi=
0.12	0.37	-0.43	38968_at	Cluster Incl. AB005047:Homo sapiens mRNA for SH3 binding protein, complete cds /cds=(63,1340) /gb=AB005047 /gi=3116213 /
0.067	0.24	-0.37	39285_at	Cluster Incl. L28957:Homo sapiens CTP-phosphocholine cytidyltransferase mRNA, complete cds /cds=(45,1148) /gb=L28957 /gi=
0.0014	0.29	-0.34	31828_r_at	Cluster Incl. AF027516:Homo sapiens trans-golgi network glycoprotein 51 (TGN) mRNA, complete cds /cds=(62,1504) /gb=AF027
-0.086	0.27	-0.28	34086_at	Cluster Incl. AF034780:Homo sapiens lysosphingolipid receptor Edg5 mRNA, complete cds /cds=(0,1061) /gb=AF034780 /gi=409
0.12	0.32	-0.52	38100_at	Cluster Incl. D87127:Homo sapiens mRNA for translocation protein-1, complete cds /cds=(12,1211) /gb=D87127 /gi=1817551 /ug=
-0.046	-0.29	0.41	37307_at	Cluster Incl. X04828:Human mRNA for G(i) protein alpha-subunit (adenylate cyclase inhibiting GTP-binding protein) /cds=(123,119
0.034	0.3	-0.41	38619_at	Cluster Incl. AA888001:nr03g11.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-1160804 /clone_end=3 /gb=AA888001 /gi=30036

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23 genes: unique to j=6

-0.39	0.1	0.078	996_at	X59065 /FEATURE=exon /DEFINITION=HSFGFEX3 H.sapiens FGF gene, exon 3

0.57	0.2	0.25	36773_f_at	Cluster Incl. M81141:Human MHC class II HLA-DQ-beta mRNA (DR7 DQw2), complete cds /cds=(35,820) /gb=M81141 /gi=1882(
0.59	0.23	0.39	35016_at	Cluster Incl. M13560:Human Ia-associated invariant gamma-chain gene /cds=(795,1493) /gb=M13560 /gi=184518 /ug=Hs.84298 /
-0.5	0.036	0.031	36896_s_at	Cluster Incl. AF044288:Homo sapiens basic-helix-loop-helix-PAS orphan MOP3 (MOP3) mRNA, complete cds /cds=(369,2249) /g
0.42	0.19	0.0024	41184_s_at	Cluster Incl. X87344:H.sapiens DMA, DMB, HLA-Z1, IPP2, LMP2, TAP1, LMP7, TAP2, DOB, DQB2 and RING8, 9, 13 and 14 gen
0.44	0.018	0.096	40790_at	Cluster Incl. AB004066:Homo sapiens mRNA for DEC1, complete cds /cds=(196,1434) /gb=AB004066 /gi=2308996 /ug=Hs.1718
-0.26	0.13	0.19	34185_at	Cluster Incl. W22541:69B4 Homo sapiens cDNA /clone=(not-directional) /gb=W22541 /gi=1299374 /ug=Hs.20930 /len=809
-0.54	-0.31	0.52	37653_at	Cluster Incl. AF018081:Homo sapiens type XVIII collagen (COL18A1) mRNA, alternatively spliced, long form, complete cds /cds=(
0.77	0.26	0.28	32773_at	Cluster Incl. AA868382:ak41e04.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-1408542 /clone_end=3 /gb=AA868382 /gi=2963
0.34	0.099	-0.069	38287_at	Cluster Incl. AA808961:nw16h03.s1 Homo sapiens cDNA /clone=IMAGE-1240661 /gb=AA808961 /gi=2878367 /ug=Hs.9280 /len=
-0.24	0.077	0.11	2011_s_at	U34584 /FEATURE= /DEFINITION=HSU34584 Human Bcl-2 interacting killer (BIK) mRNA, complete cds
0.53	0.18	0.48	37023_at	Cluster Incl. J02923:Human 65-kilodalton phosphoprotein (p65) mRNA, complete cds /cds=(74,1957) /gb=J02923 /gi=189501 /ug=
0.61	0.26	0.2	41723_s_at	Cluster Incl. M32578:Human MHC class II HLA-DR beta-1 mRNA (DR2.3), 5end /cds=(61,861) /gb=M32578 /gi=188305 /ug=Hs.1
0.38	0.14	0.38	35869_at	Cluster Incl. AB020499:Homo sapiens BCG-regulated mRNA for MD-1 homologue, complete cds /cds=(131,358) /gb=AB020499 /
0.34	0.13	0.3	32372_at	Cluster Incl. L22569:Homo sapiens cathepsin B mRNA, 3 UTR with a stem-loop structure providing mRNA stability /cds=UNKNOV
0.7	0.21	0.49	38378_at	Cluster Incl. M37033:Human CD53 glycoprotein mRNA, complete cds /cds=(93,752) /gb=M37033 /gi=180142 /ug=Hs.82212 /len=
0.68	0.31	0.47	38796_at	Cluster Incl. X03084:Human mRNA for C1q B-chain of complement system /cds=(0,687) /gb=X03084 /gi=29537 /ug=Hs.8986 /len
0.51	-0.11	-0.18	36983_f_at	Cluster Incl. X00442:Human mRNA for haptoglobin alpha(2FS)-beta precursor /cds=(26,1246) /gb=X00442 /gi=31749 /ug=Hs.759
0.3	0.014	0.13	32321_at	Cluster Incl. X56841:H.sapiens HLA-E gene /cds=(0,363) /gb=X56841 /gi=433491 /ug=Hs.181392 /len=1817
0.34	-0.016	0.11	40369_f_at	Cluster Incl. AL022723:dJ377H14.1 (major histocompatibility complex, class I, G (HLA 6.0)) /cds=(120,1127) /gb=AL022723 /gi=5(
0.49	0.13	0.065	41609_at	Cluster Incl. U15085:Human HLA-DMB mRNA, complete cds /cds=(233,1024) /gb=U15085 /gi=557701 /ug=Hs.1162 /len=1362
0.28	0.089	-0.007	41609_at	Cluster Incl. U15085:Human HLA-DMB mRNA, complete cds /cds=(233,1024) /gb=U15085 /gi=557701 /ug=Hs.1162 /len=1362
0.38	-0.004	-0.069	1403_s_at	M21121 /FEATURE= /DEFINITION=HUMTCSM Human T cell-specific protein (RANTES) mRNA, complete cds

% ==========

37 genes: unique to j=8

-0.011	0.2	-0.098	1803_at	X05360 /FEATURE=cds /DEFINITION=HSCDC2 Human CDC2 gene involved in cell cycle control
0.076	0.2	0.034	982_at	X74795 /FEATURE=cds /DEFINITION=HSP1CDC46 H.sapiens P1-Cdc46 mRNA
0.2	0.28	-0.14	37975_at	Cluster Incl. X04011:Human mRNA of X-CGD gene involved in chronic granulomatous disease located on chromosome X /cds=(2
-0.27	-0.39	0.47	37706_at	Cluster Incl. U28811:Human cysteine-rich fibroblast growth factor receptor (CFR-1) mRNA, complete cds /cds=(26,3559) /gb=U28
-0.29	-0.36	0.42	38812_at	Cluster Incl. X79683:H.sapiens LAMB2 mRNA for beta2 laminin /cds=(165,5561) /gb=X79683 /gi=663206 /ug=Hs.90291 /len=567
-0.17	-0.32	0.3	33756_at	Cluster Incl. U39447:Human placenta copper monamine oxidase mRNA, complete cds /cds=(160,2451) /gb=U39447 /gi=1399031
0.046	-0.23	0.13	39158_at	Cluster Incl. AB021663:Homo sapiens mRNA for leucine-zipper protein, complete cds /cds=(117,665) /gb=AB021663 /gi=499645(
-0.26	-0.41	0.41	1495_at	M34057 /FEATURE= /DEFINITION=HUMTGFB1B Human transforming growth factor-beta 1 binding protein mRNA, complete cds
0.043	0.17	0.027	37056_at	Cluster Incl. D29767:Human mRNA for Tec protein-tyrosine kinase, complete cds /cds=(117,2012) /gb=D29767 /gi=474303 /ug=H
-0.41	-0.35	0.47	32812_at	Cluster Incl. AB029025:Homo sapiens mRNA for KIAA1102 protein, partial cds /cds=(0,2540) /gb=AB029025 /gi=5689540 /ug=Hs

-0.42	-0.36	0.54	39529_at	Cluster Incl. AI086617:oz76e12.x1 Homo sapiens cDNA, 3 end /clone=IMAGE-1681294 /clone_end=3 /gb=AI086617 /gi=342504
-0.35	-0.41	0.51	38748_at	Cluster Incl. U76421:Human dsRNA adenosine deaminase DRADA2b (DRADA2b) mRNA, complete cds /cds=(413,2638) /gb=U7
-0.29	0.27	-0.21	1160_at	J04444 /FEATURE=cds /DEFINITION=HUMCYC1A Human cytochrome c-1 gene, complete cds
0.11	0.22	-0.16	1976_s_at	X06292 /FEATURE=mRNA /DEFINITION=HSFESFPS Human c-fes/fps proto-oncogene
-0.1	0.28	-0.28	41158_at	Cluster Incl. M54927:Human myelin proteolipid protein mRNA, complete cds /cds=(121,954) /gb=M54927 /gi=187416 /ug=Hs.178
-0.003	-0.33	0.33	1319_at	X74764 /FEATURE=cds /DEFINITION=HSRPTK H.sapiens mRNA for receptor protein tyrosine kinase
0.23	-0.33	0.18	35437_at	Cluster Incl. M88461:Human neuropeptide Y peptide YY receptor mRNA, complete cds /cds=(196,1350) /gb=M88461 /gi=189155
0.047	-0.33	0.24	1256_at	L38929 /FEATURE=mRNA /DEFINITION=HUMPTPD Homo sapiens protein tyrosine phosphatase delta mRNA, complete cds
0.16	-0.37	0.32	40202_at	Cluster Incl. D31716:Human mRNA for GC box bindig protein, complete cds /cds=(1264,1998) /gb=D31716 /gi=505081 /ug=Hs.15
0.071	-0.31	0.17	1256_at	L38929 /FEATURE=mRNA /DEFINITION=HUMPTPD Homo sapiens protein tyrosine phosphatase delta mRNA, complete cds
0.098	-0.3	0.28	34262_at	Cluster Incl. Y15909:Homo sapiens mRNA for dia-156 protein /cds=(350,3655) /gb=Y15909 /gi=3171905 /ug=Hs.226483 /len=934
0.047	0.23	0.032	32263_at	Cluster Incl. AL080146:Homo sapiens mRNA; cDNA DKFZp434B174 (from clone DKFZp434B174) /cds=(137,1333) /gb=AL08014
-0.18	-0.49	0.4	38211_at	Cluster Incl. AL050276:Homo sapiens mRNA; cDNA DKFZp566F123 (from clone DKFZp566F123) /cds=(488,2494) /gb=AL05027
-0.055	0.25	-0.24	32888_at	Cluster Incl. X52213:H.sapiens ltk mRNA /cds=(258,1652) /gb=X52213 /gi=34421 /ug=Hs.210 /len=1680
-0.18	-0.36	0.31	41257_at	Cluster Incl. D16217:Human mRNA for calpastatin, complete cds /cds=(162,2288) /gb=D16217 /gi=303598 /ug=Hs.226067 /len=2
0.055	0.26	-0.067	40144_at	Cluster Incl. AL034562:dJ684O24.1 (SHP substrate 1, SHPS-1, MYD-1 antigen, Signal_regulatory protein 1, SIRP-alpha1)) /cds=(
0.1	0.24	-0.012	40144_at	Cluster Incl. AL034562:dJ684O24.1 (SHP substrate 1, SHPS-1, MYD-1 antigen, Signal_regulatory protein 1, SIRP-alpha1)) /cds=(
-0.22	-0.33	0.29	41753_at	Cluster Incl. U48734:Human non-muscle alpha-actinin mRNA, complete cds /cds=(77,2815) /gb=U48734 /gi=3157975 /ug=Hs.182
0.028	-0.33	0.19	36650_at	Cluster Incl. D13639:Human mRNA for KIAK0002 gene, complete cds /cds=(269,1138) /gb=D13639 /gi=285990 /ug=Hs.75586 /le
0.085	-0.32	0.017	36543_at	Cluster Incl. J02931:Human placental tissue factor (two forms) mRNA, complete cds /cds=(111,998) /gb=J02931 /gi=339501 /ug=H
0.028	0.34	-0.3	34648_at	Cluster Incl. Z12830:H.sapiens mRNA for SSR alpha subunit /cds=(29,889) /gb=Z12830 /gi=551637 /ug=Hs.76152 /len=974
-0.12	-0.35	0.31	40737_at	Cluster Incl. U13913:Human large-conductance calcium-activated potassium channel (hSlo) mRNA, complete cds /cds=(78,3614)
-0.25	-0.41	0.41	774_g_at	D10667 /FEATURE= /DEFINITION=HUMMHCAAA Homo sapiens mRNA for smooth muscle myosin heavy chain, partial cds
0.23	-0.35	0.45	37026_at	Cluster Incl. AF001461:Homo sapiens Kruppel-like zinc finger protein Zf9 mRNA, complete cds /cds=(30,881) /gb=AF001461 /gi=3
-0.03	0.28	-0.043	1107_s_at	M13755 /FEATURE=mRNA /DEFINITION=HUMIFN15K Human interferon-induced 17-kDa/15-kDa protein mRNA, complete cds
-0.13	0.28	-0.26	225_at	M31328 /FEATURE=mRNA /DEFINITION=HUMGNBPB3 Human guanine nucleotide-binding protein beta-3 subunit mRNA, comp
-0.059	-0.31	0.3	37307_at	Cluster Incl. X04828:Human mRNA for G(i) protein alpha-subunit (adenylate cyclase inhibiting GTP-binding protein) /cds=(123,119

% ==========

156 genes: unique to j=13

0.21	0.01	0.55	35807_at	Cluster Incl. M21186:Human neutrophil cytochrome b light chain p22 phagocyte b-cytochrome mRNA, complete cds /cds=(28,615
-0.064	-0.027	0.34	37459_at	Cluster Incl. X57527:Human COL8A1 mRNA for alpha 1(VIII) collagen /cds=(0,2234) /gb=X57527 /gi=30081 /ug=Hs.114599 /len=
0.11	-0.19	0.35	38381_at	Cluster Incl. U32315:Human syntaxin 3 mRNA, complete cds /cds=(38,907) /gb=U32315 /gi=929990 /ug=Hs.82240 /len=1903
-0.091	0.21	-0.3	369_s_at	Z29331 /FEATURE=cds /DEFINITION=HSUCEH3 H.sapiens (23k/3) mRNA for ubiquitin-conjugating enzyme UbcH2
0.3	0.33	-0.58	41752_at	Cluster Incl. W28190:43c6 Homo sapiens cDNA /gb=W28190 /gi=1308138 /ug=Hs.182470 /len=975

0.14	0.25	-0.33	40797_at	Cluster Incl. AF009615:Homo sapiens ADAM10 (ADAM10) mRNA, complete cds /cds=(469,2715) /gb=AF009615 /gi=2393946 /ug
0.021	-0.21	0.41	39062_at	Cluster Incl. AL008726:dJ337O18.2 (Lysosomal Protective Protein precursor (EC 3.4.16.5, Cathepsin A, Carboxypeptidase C)) /cd
-0.16	-0.26	0.42	38077_at	Cluster Incl. X52022:H.sapiens RNA for type VI collagen alpha3 chain /cds=(255,9785) /gb=X52022 /gi=3127925 /ug=Hs.80988 /l
0.12	-0.23	0.31	1394_at	L25080 /FEATURE= /DEFINITION=HUMRHOAA Homo sapiens GTP-binding protein (rhoA) mRNA, complete cds
-0.14	0.14	-0.4	377_g_at	AB000220 /FEATURE= /DEFINITION=AB000220 Homo sapiens mRNA for semaphorin E, complete cds
-0.032	0.2	-0.3	40693_at	Cluster Incl. L02840:Homo sapiens potassium channel Kv2.1 mRNA, complete cds /cds=UNKNOWN /gb=L02840 /gi=186797 /ug=
0.065	-0.093	0.8	1693_s_at	D11139 /FEATURE=exons#1-4 /DEFINITION=HUMTIMP Human gene for tissue inhibitor of metalloproteinases, partial sequence
0.12	0.32	-0.44	32665_at	Cluster Incl. AJ005801:Homo sapiens mRNA for protein phosphatase 2C (beta) /cds=(0,1439) /gb=AJ005801 /gi=3378167 /ug=Hs
0.049	0.27	-0.38	35765_at	Cluster Incl. X91504:H.sapiens mRNA for ARP1 protein /cds=(11,616) /gb=X91504 /gi=1103581 /ug=Hs.64904 /len=1541
0.36	0.3	-0.63	38567_at	Cluster Incl. L38820:Homo sapiens HMC class I antigen-like glycoprotein (CD1D) gene /cds=(164,1171) /gb=L38820 /gi=619797 /
0.2	0.28	-0.43	39396_at	Cluster Incl. AF081281:Homo sapiens lysophospholipase (LPL1) mRNA, complete cds /cds=(35,727) /gb=AF081281 /gi=3415122
0.18	-0.035	-0.32	40854_at	Cluster Incl. J04973:Human cytochrome bc-1 complex core protein II mRNA, complete cds /cds=(53,1414) /gb=J04973 /gi=18092
-0.03	0.15	0.41	404_at	X52425 /FEATURE=mRNA /DEFINITION=HSIL4R Human IL-4-R mRNA for the interleukin 4 receptor
0.045	-0.33	0.45	39738_at	Cluster Incl. Z82215:Homo sapiens DNA sequence from PAC 68O2 on chromosome 22. Contains apolipoprotein L, myosin heavy
0.0066	0.042	0.24	791_g_at	X52599 /FEATURE=cds /DEFINITION=HSBNGFAC Human mRNA for beta nerve growth factor
0.3	0.097	0.68	37918_at	Cluster Incl. M15395:Human leukocyte adhesion protein (LFA-1/Mac-1/p150,95 family) beta subunit mRNA /cds=(72,2381) /gb=M
0.018	0.2	-0.27	35104_r_at	Cluster Incl. M26682:Human T-cell translocation gene 1 (Ttg-1) mRNA, complete cds /cds=(497,967) /gb=M26682 /gi=340453 /ug
-0.2	0.24	-0.45	33352_at	Cluster Incl. X57985:H.sapiens genes for histones H2B.1 and H2A /cds=(42,422) /gb=X57985 /gi=510989 /ug=Hs.2178 /len=2223
0.15	0.04	0.5	1341_at	X52056 /FEATURE=cds /DEFINITION=HSSPI1 Human mRNA for spi-1 proto-oncogene
0.31	0.21	0.84	34375_at	Cluster Incl. M28225:Human JE gene encoding a monocyte secretory protein /cds=(68,367) /gb=M28225 /gi=338006 /ug=Hs.340
-0.032	0.29	-0.32	32228_at	Cluster Incl. AB020706:Homo sapiens mRNA for KIAA0899 protein, partial cds /cds=(0,2790) /gb=AB020706 /gi=4240286 /ug=Hs
0.032	0.11	0.3	37220_at	Cluster Incl. M63835:Human IgG Fc receptor I gene /cds=(155,1279) /gb=M63835 /gi=180278 /ug=Hs.77424 /len=1437
0.2	-0.057	0.37	195_s_at	U28014 /FEATURE= /DEFINITION=HSU28014 Human cysteine protease (ICErel-II) mRNA, complete cds
0.12	-0.007	0.56	40712_at	Cluster Incl. D26579:Homo sapiens mRNA for transmembrane protein, complete cds /cds=(9,2483) /gb=D26579 /gi=1864004 /ug=
0.26	-6E-04	0.55	40144_at	Cluster Incl. AL034562:dJ684O24.1 (SHP substrate 1, SHPS-1, MYD-1 antigen, Signal_regulatory protein 1, SIRP-alpha1)) /cds=(
0.088	-0.013	0.35	36028_at	Cluster Incl. U45285:Human specific 116-kDa vacuolar proton pump subunit (OC-116KDa) mRNA, complete cds /cds=(57,2546) /(
0.061	0.2	-0.29	34654_at	Cluster Incl. AJ224979:Homo sapiens mRNA for MTMR1 protein /cds=(0,1990) /gb=AJ224979 /gi=4128155 /ug=Hs.23200 /len=25
-0.069	0.0027	-0.61	33890_at	Cluster Incl. AB008109:Homo sapiens mRNA for RGS5, complete cds /cds=(81,626) /gb=AB008109 /gi=2554613 /ug=Hs.24950 /l
0.034	-0.12	0.33	36926_at	Cluster Incl. X80692:H.sapiens ERK3 mRNA /cds=(478,2643) /gb=X80692 /gi=763112 /ug=Hs.75465 /len=3908
-0.095	0.06	0.47	41096_at	Cluster Incl. AI126134:qd77c05.x1 Homo sapiens cDNA, 3 end /clone=IMAGE-1735496 /clone_end=3 /gb=AI126134 /gi=359464
-0.059	0.03	0.24	1520_s_at	X04500 /FEATURE=expanded_cds /DEFINITION=HSIL1B Human gene for prointerleukin 1 beta
0.017	0.012	0.2	35402_at	Cluster Incl. AF068868:Homo sapiens TNFR-related death receptor-6 (DR6) mRNA, complete cds /cds=(0,1967) /gb=AF068868 /(
0.15	-0.016	0.27	38517_at	Cluster Incl. M87503:Human IFN-responsive transcription factor subunit mRNA, complete cds /cds=(34,1215) /gb=M87503 /gi=18
0.13	0.049	0.39	38894_g_at	Cluster Incl. AL008637:Human DNA sequence from clone 833B7 on chromosome 22q12.3-13.2 Contains genes for NCF4 (P40PH
0.27	-0.011	0.8	32068_at	Cluster Incl. U62027:Human anaphylatoxin C3a receptor (HNFAG09) mRNA, complete cds /cds=(152,1600) /gb=U62027 /gi=151
-0.19	0.066	0.54	35474_s_at	Cluster Incl. Y15915:Homo sapiens mRNA for chimaeric transcript of collagen type 1 alpha 1 and platelet derived growth factor be
0.18	-0.061	0.37	359_at	Y10659 /FEATURE=cds /DEFINITION=HSIL13RA H.sapiens IL-13Ra mRNA

0.23	0.14	0.55	33467_at	Cluster Incl. X66171:H.sapiens CMRF35 mRNA, complete CDS /cds=(239,913) /gb=X66171 /gi=396169 /ug=Hs.2605 /len=1151
0.085	0.22	-0.41	36221_at	Cluster Incl. X84195:H.sapiens mRNA for acylphosphatase, muscle type (MT) isoenzyme /cds=(175,474) /gb=X84195 /gi=181649
0.047	-0.13	0.33	1825_at	L33075 /FEATURE= /DEFINITION=HUMIQGA Homo sapiens ras GTPase-activating-like protein (IQGAP1) mRNA, complete cds
0.06	0.14	-0.24	37266_at	Cluster Incl. U69645:Human zinc finger protein mRNA, complete cds /cds=(122,943) /gb=U69645 /gi=1575614 /ug=Hs.78765 /len
0.42	0.051	0.95	33825_at	Cluster Incl. X68733:H.sapiens gene for alpha1-antichymotrypsin, exon 1 /cds=(0,1328) /gb=X68733 /gi=439137 /ug=Hs.234726 /
0.051	-0.37	0.56	38642_at	Cluster Incl. Y10183:H.sapiens mRNA for MEMD protein /cds=(0,1748) /gb=Y10183 /gi=3183974 /ug=Hs.10247 /len=4193
0.051	-0.043	0.6	40230_at	Cluster Incl. U91903:Human Fritz mRNA, complete cds /cds=(69,1046) /gb=U91903 /gi=1917006 /ug=Hs.153684 /len=1888
0.2	0.065	0.46	40366_at	Cluster Incl. M25322:Human granule membrane protein-140 mRNA, complete cds /cds=(38,2530) /gb=M25322 /gi=183390 /ug=H
0.022	-0.12	0.18	39758_f_at	Cluster Incl. J04182:Homo sapiens lysosomal membrane glycoprotein-1 (LAMP1) mRNA, complete cds /cds=(190,1440) /gb=J041
0.15	0.24	-0.34	32242_at	Cluster Incl. AL038340:DKFZp566K192_s1 Homo sapiens cDNA, 3 end /clone=DKFZp566K192 /clone_end=3 /gb=AL038340 /gi
-0.34	-0.1	0.52	34747_at	Cluster Incl. X83535:H.sapiens mRNA for membrane-type matrix metalloproteinase /cds=(119,1867) /gb=X83535 /gi=804993 /ug=
0.079	0.082	0.33	41745_at	Cluster Incl. X57352:Human 1-8U gene from interferon-inducible gene family /cds=(237,638) /gb=X57352 /gi=311374 /ug=Hs.182
0.11	0.29	-0.48	33258_g_at	Cluster Incl. D26535:Human gene for dihydrolipoamide succinyltransferase, complete cds (exon 1-15) /cds=(43,1404) /gb=D2653
-0.23	-0.22	0.41	40771_at	Cluster Incl. Z98946:Human DNA sequence from clone 376D21 on chromosome Xq11.1-12 Contains the MSN gene for Moesin (M
0.23	-0.095	0.75	115_at	X14787 /FEATURE=cds /DEFINITION=HSTS Human mRNA for thrombospondin
-0.057	-0.032	0.48	39842_at	Cluster Incl. AF059293:Homo sapiens cytokine-like factor-1 precursor (CLF-1) mRNA, complete cds /cds=(118,1386) /gb=AF0592
-0.093	-0.29	0.68	36780_at	Cluster Incl. M25915:Human complement cytolysis inhibitor (CLI) mRNA, complete cds /cds=(198,1544) /gb=M25915 /gi=180619 /
0.081	0.026	0.23	36795_at	Cluster Incl. J03077:Human co-beta glucosidase (proactivator) mRNA, complete cds /cds=(38,1612) /gb=J03077 /gi=183230 /ug=
0.28	0.13	0.58	37759_at	Cluster Incl. U51240:Human lysosomal-associated multitransmembrane protein (LAPTm5) mRNA, complete cds /cds=(75,863) /gb
0.068	-0.036	0.39	40968_at	Cluster Incl. AB004904:Homo sapiens mRNA for STAT induced STAT inhibitor-3, complete cds /cds=(106,783) /gb=AB004904 /gi
0.007	-0.051	0.23	32372_at	Cluster Incl. L22569:Homo sapiens cathepsin B mRNA, 3 UTR with a stem-loop structure providing mRNA stability /cds=UNKNOV
-0.34	-0.23	0.61	38722_at	Cluster Incl. X15880:Human mRNA for collagen VI alpha-1 C-terminal globular domain /cds=(0,1310) /gb=X15880 /gi=30029 /ug=
0.14	0.042	0.41	35083_at	Cluster Incl. AL031670:dJ681N20.2 (ferritin, light polypeptide-like 1) /cds=(200,727) /gb=AL031670 /gi=4469083 /ug=Hs.111334 /l
-0.0039	0.27	-0.42	473_g_at	U48730 /FEATURE= /DEFINITION=HSU48730 Homo sapiens transcription factor Stat5b (stat5b) mRNA, complete cds
0.16	-0.21	0.68	34848_at	Cluster Incl. X69141:H.sapiens mRNA for squalene synthase /cds=(91,1344) /gb=X69141 /gi=435676 /ug=Hs.48876 /len=2033
0.099	-0.12	0.38	37906_at	Cluster Incl. Z37976:H.sapiens mRNA for latent transforming growth factor-beta binding protein (LTBP-2) /cds=(388,5853) /gb=Z3
-0.01	0.23	-0.32	31640_r_at	Cluster Incl. Y13436:Homo sapiens sox1 gene /cds=(0,1163) /gb=Y13436 /gi=4128158 /ug=Hs.211945 /len=1164
-0.085	0.23	-0.37	32261_at	Cluster Incl. AF072810:Homo sapiens transcription factor WSTF mRNA, complete cds /cds=(352,4629) /gb=AF072810 /gi=40499
-0.12	0.24	-0.34	35967_at	Cluster Incl. M69238:Human aryl hydrocarbon receptor nuclear translocator (ARNT) mRNA, complete cds /cds=(56,2425) /gb=M6
0.13	-0.042	0.65	32514_s_at	Cluster Incl. AF032906:Homo sapiens cathepsin Z precursor (CTSZ) mRNA, complete cds /cds=(240,1151) /gb=AF032906 /gi=32
0.14	-0.22	0.66	39008_at	Cluster Incl. M13699:Human ceruloplasmin (ferroxidase) mRNA, complete cds /cds=(0,3197) /gb=M13699 /gi=180255 /ug=Hs.111
-0.18	-0.17	0.29	34403_at	Cluster Incl. U58516:Human breast epithelial antigen BA46 mRNA, complete cds /cds=(60,1223) /gb=U58516 /gi=1381161 /ug=Hs
0.1	0.0009	0.32	33520_at	Cluster Incl. M13232:Human factor VII serine protease precursor mRNA, complete cds, clone lambda-HVII2463 /cds=(35,1435) /g
0.0062	-0.092	0.33	41198_at	Cluster Incl. AF055008:Homo sapiens clone 24720 epithelin 1 and 2 mRNA, complete cds /cds=(62,1843) /gb=AF055008 /gi=300
0.096	-0.25	0.38	277_at	L08246 /FEATURE= /DEFINITION=HUMMCL1X Human myeloid cell differentiation protein (MCL1) mRNA
0.17	-0.076	0.74	317_at	D55696 /FEATURE= /DEFINITION=D55696 Homo sapiens mRNA for cysteine protease, complete cds
-0.052	0.17	-0.26	35413_s_at	Cluster Incl. AA258092:zs30g01.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-686736 /clone_end=5 /gb=AA258092 /gi=189452

0.085	-0.082	0.59	38038_at	Cluster Incl. U21128:Human lumican mRNA, complete cds /cds=(84,1100) /gb=U21128 /gi=699576 /ug=Hs.79914 /len=1717
0.095	0.26	-0.37	34421_g_at	Cluster Incl. U84763:Homo sapiens UCP3 mRNA, complete cds /cds=(153,1091) /gb=U84763 /gi=2183020 /ug=Hs.101337 /len=1
0.29	0.18	-0.45	35385_at	Cluster Incl. AI766078:wh67g08.x1 Homo sapiens cDNA, 3 end /clone=IMAGE-2385854 /clone_end=3 /gb=AI766078 /gi=52325
0.1	-0.14	0.3	39182_at	Cluster Incl. U87947:Human hematopoietic neural membrane protein (HNMP-1) mRNA, complete cds /cds=(241,732) /gb=U8794
0.17	0.18	-0.31	32745_at	Cluster Incl. AF034091:Homo sapiens nuclear localization signal containing protein deleted in Velo-Cardio-Facial syndrome (Nlvcf
-0.11	0.33	-0.39	38118_at	Cluster Incl. U73377:Human p66shc (SHC) mRNA, complete cds /cds=(194,1945) /gb=U73377 /gi=1658387 /ug=Hs.81972 /len=3
0.051	0.022	0.54	37025_at	Cluster Incl. AL120815:DKFZp762F172_r1 Homo sapiens cDNA, 5 end /clone=DKFZp762F172 /clone_end=5 /gb=AL120815 /gi=
0.14	0.31	-0.5	36500_at	Cluster Incl. AF027974:Homo sapiens clone LM1955 H105e3 gene, partial cds /cds=(201,1166) /gb=AF027974 /gi=2570930 /ug=
0.17	0.077	0.71	37603_at	Cluster Incl. X52015:H.sapiens mRNA for interleukin-1 receptor antagonist /cds=(23,556) /gb=X52015 /gi=32576 /ug=Hs.81134 /le
0.16	0.32	-0.41	39366_at	Cluster Incl. N36638:yx88f05.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-268833 /clone_end=5 /gb=N36638 /gi=1157780 /ug=
0.4	0.14	-0.5	41424_at	Cluster Incl. L48516:Homo sapiens paraoxonase 3 (PON3) mRNA, 3 end of cds /cds=(0,1025) /gb=L48516 /gi=1333633 /ug=Hs.
0.23	0.28	-0.46	36955_at	Cluster Incl. U10362:Human GP36b glycoprotein mRNA, complete cds /cds=(0,1070) /gb=U10362 /gi=505651 /ug=Hs.75864 /len=
0.18	0.1	-0.29	39747_at	Cluster Incl. U52427:Human RNA polymerase II seventh subunit (rpb-7) gene, complete cds /cds=(106,624) /gb=U52427 /gi=1924
0.22	0.23	-0.36	37667_at	Cluster Incl. AF104421:Homo sapiens isolate normal patient 1 uroporphyrinogen decarboxylase (UROD) mRNA, complete cds /cd
0.034	-0.28	0.41	35842_at	Cluster Incl. AL049265:Homo sapiens mRNA; cDNA DKFZp564F053 (from clone DKFZp564F053) /cds=UNKNOWN /gb=AL0492
0.1	0.23	-0.37	36195_at	Cluster Incl. U07681:Human NAD(H)-specific isocitrate dehydrogenase alpha subunit precursor mRNA, complete cds /cds=(5,110
-0.0018	0.095	0.33	1086_at	M59941 /FEATURE= /DEFINITION=HUMGMCSFRB Human GM-CSF receptor beta chain mRNA, complete cds
-0.0085	0.099	0.33	1086_at	M59941 /FEATURE= /DEFINITION=HUMGMCSFRB Human GM-CSF receptor beta chain mRNA, complete cds
0.2	0.0063	0.65	1583_at	M32315 /FEATURE= /DEFINITION=HUMNFR Human tumor necrosis factor receptor mRNA, complete cds
-0.0046	-0.14	0.42	591_s_at	M33684 /FEATURE=cds /DEFINITION=HUMPPPB1A5 Human (clone lambda-16-1) non-receptor tyrosine phosphatase 1 (PTPN1
0.086	0.065	-0.22	36427_at	Cluster Incl. W27129:22g8 Homo sapiens cDNA /gb=W27129 /gi=1306663 /ug=Hs.166608 /len=756
0.35	0.084	-0.54	35751_at	Cluster Incl. U17886:Human succinate dehydrogenase iron-protein subunit (sdhB) gene /cds=(133,978) /gb=U17886 /gi=773299 /
-0.11	-0.16	0.41	36780_at	Cluster Incl. M25915:Human complement cytolysis inhibitor (CLI) mRNA, complete cds /cds=(198,1544) /gb=M25915 /gi=180619 ,
0.35	0.068	0.79	34022_at	Cluster Incl. M36821:Human cytokine (GRO-gamma) mRNA, complete cds /cds=(77,397) /gb=M36821 /gi=183632 /ug=Hs.89690
0.2	-0.032	0.66	34022_at	Cluster Incl. M36821:Human cytokine (GRO-gamma) mRNA, complete cds /cds=(77,397) /gb=M36821 /gi=183632 /ug=Hs.89690
0.22	0.095	-0.34	37755_at	Cluster Incl. AB023169:Homo sapiens mRNA for KIAA0952 protein, complete cds /cds=(359,1927) /gb=AB023169 /gi=4589547 /u
0.07	-0.12	0.29	39409_at	Cluster Incl. M14058:Human complement C1r mRNA, complete cds /cds=(63,2180) /gb=M14058 /gi=179643 /ug=Hs.1279 /len=24
0.08	-0.1	0.23	33866_at	Cluster Incl. X05276:Human mRNA for fibroblast tropomyosin TM30 (pl) /cds=(50,796) /gb=X05276 /gi=37201 /ug=Hs.239804 /ler
0.22	-0.18	0.57	38332_at	Cluster Incl. U83993:Human P2X4 purinoreceptor mRNA, complete cds /cds=(309,1475) /gb=U83993 /gi=4099120 /ug=Hs.9610 /
0.25	0.029	0.52	32372_at	Cluster Incl. L22569:Homo sapiens cathepsin B mRNA, 3 UTR with a stem-loop structure providing mRNA stability /cds=UNKNOV
-0.12	0.25	-0.37	36207_at	Cluster Incl. D67029:Human SEC14L mRNA, complete cds /cds=(303,2450) /gb=D67029 /gi=1669536 /ug=Hs.75232 /len=5434
-0.062	-0.29	0.48	34789_at	Cluster Incl. S69272:cytoplasmic antiproteinase=38 kda intracellular serine proteinase inhibitor [human, placenta, mRNA, 1465 nt]
0.17	-0.15	0.36	35013_at	Cluster Incl. AF013512:untitled /cds=(106,1551) /gb=AF013512 /gi=2653816 /ug=Hs.154078 /len=1887
0.016	-0.24	0.33	38669_at	Cluster Incl. D86959:Human mRNA for KIAA0204 gene, complete cds /cds=(511,3969) /gb=D86959 /gi=1503991 /ug=Hs.105751
0.19	-0.13	0.36	34836_at	Cluster Incl. U18420:Human ras-related small GTP binding protein Rab5 (rab5) mRNA, complete cds /cds=(135,785) /gb=U18420
0.22	0.21	-0.38	37329_at	Cluster Incl. AF053070:Homo sapiens NADH-ubiquinone dehydrogenase 51 kDa subunit (NDUFV1) mRNA, nuclear gene encodir
0.072	-0.08	-0.37	36985_at	Cluster Incl. X17025:Human homolog of yeast IPP isomerase /cds=(50,736) /gb=X17025 /gi=488749 /ug=Hs.76038 /len=1807
0.12	0.31	-0.38	41462_at	Cluster Incl. AF065482:Homo sapiens sorting nexin 2 (SNX2) mRNA, complete cds /cds=(29,1588) /gb=AF065482 /gi=3152937 /u
0.35	0.045	-0.58	39041_at	Cluster Incl. Y00978:Human mRNA for dihydrolipoamide acetyltransferase (PDC-E2) (EC 2.3.1.12) /cds=(0,1847) /gb=Y00978 /gi=

0.29	-0.034	0.51	32640_at	Cluster Incl. M24283:Human major group rhinovirus receptor (HRV) mRNA, complete cds /cds=(71,1669) /gb=M24283 /gi=184532
0.15	0.11	-0.39	34340_at	Cluster Incl. AA173896:zp03b02.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-595275 /clone_end=3 /gb=AA173896 /gi=175409
0.19	-0.17	0.44	38487_at	Cluster Incl. D87433:Human mRNA for KIAA0246 gene, partial cds /cds=(0,6639) /gb=D87433 /gi=1665760 /ug=Hs.84753 /len=67
0.22	0.17	-0.36	39741_at	Cluster Incl. D16481:Homo sapiens mRNA for mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein, complete
-0.014	0.0011	0.42	36067_at	Cluster Incl. AB000887:Homo sapiens mRNA for EBI1-ligand chemokine, complete cds /cds=(138,434) /gb=AB000887 /gi=218995
0.14	-0.16	0.61	35807_at	Cluster Incl. M21186:Human neutrophil cytochrome b light chain p22 phagocyte b-cytochrome mRNA, complete cds /cds=(28,615
-0.15	0.33	-0.59	34106_at	Cluster Incl. L01694:Homo sapiens (clone 58N-1) Ga subunit mRNA, complete cds /cds=(0,1145) /gb=L01694 /gi=182993 /ug=Hs
0.057	0.1	-0.19	31860_at	Cluster Incl. X51804:Human PMI gene for a putative receptor protein /cds=(258,836) /gb=X51804 /gi=35534 /ug=Hs.15196 /len=1
0.01	0.37	-0.47	37698_at	Cluster Incl. X97335:H.sapiens mRNA for kinase A anchor protein /cds=(124,2835) /gb=X97335 /gi=1507823 /ug=Hs.78921 /len=3
0.097	0.24	-0.36	40293_at	Cluster Incl. Y10812:Homo sapiens mRNA for fructose-1,6-bisphosphatase /cds=(67,1086) /gb=Y10812 /gi=2154754 /ug=Hs.6125
0.038	0.15	-0.3	38841_at	Cluster Incl. AF068195:Homo sapiens putative glialblastoma cell differentiation-related protein (GBDR1) mRNA, complete cds /cds
0.15	-0.033	0.31	39728_at	Cluster Incl. J03909:Human gamma-interferon-inducible protein (IP-30) mRNA, complete cds /cds=(40,951) /gb=J03909 /gi=1862
0.073	-0.21	0.39	33341_at	Cluster Incl. X04526:Human liver mRNA for beta-subunit signal transducing proteins Gs/Gi (beta-G) /cds=UNKNOWN /gb=X04526
0.21	0.12	0.47	37754_at	Cluster Incl. L13210:Human Mac-2 binding protein mRNA, complete cds /cds=(179,1936) /gb=L13210 /gi=307152 /ug=Hs.79339 /
0.056	-0.031	0.61	37954_at	Cluster Incl. X16662:Human mRNA for vascular anticoagulant-beta (VAC-beta) /cds=(106,1089) /gb=X16662 /gi=37638 /ug=Hs.87
0.28	0.15	-0.44	38326_at	Cluster Incl. M69199:Human G0S2 protein gene, complete cds /cds=(160,471) /gb=M69199 /gi=609453 /ug=Hs.95910 /len=863
0.14	0.02	0.64	33308_at	Cluster Incl. M15182:Human beta-glucuronidase mRNA, complete cds /cds=(26,1981) /gb=M15182 /gi=183232 /ug=Hs.183868 /le
0.17	-0.24	0.52	40370_f_at	Cluster Incl. M90683:Human lymphocyte antigen (HLA-G1) mRNA, complete cds /cds=(0,1016) /gb=M90683 /gi=184209 /ug=Hs.7
-0.32	0.36	-0.68	36795_at	Cluster Incl. J03077:Human co-beta glucosidase (proactivator) mRNA, complete cds /cds=(38,1612) /gb=J03077 /gi=183230 /ug=
0.26	-0.083	0.42	32941_at	Cluster Incl. M91196:Homo sapiens DNA-binding protein mRNA, complete cds /cds=(47,1327) /gb=M91196 /gi=2275152 /ug=Hs.2
0.11	0.061	0.61	823_at	U84487 /FEATURE= /DEFINITION=HSU84487 Human CX3C chemokine precursor, mRNA, alternatively spliced, complete cds
-0.016	-0.017	-0.32	36107_at	Cluster Incl. AA845575:ak04e09.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-1405000 /clone_end=3 /gb=AA845575 /gi=2933
-0.049	0.3	-0.5	35842_at	Cluster Incl. AL049265:Homo sapiens mRNA; cDNA DKFZp564F053 (from clone DKFZp564F053) /cds=UNKNOWN /gb=AL0492
0.15	-0.02	0.43	33573_at	Cluster Incl. AB009426:Homo sapiens gene for apobec-1 /cds=(482,1192) /gb=AB009426 /gi=2696115 /ug=Hs.560 /len=1339
-0.12	-0.2	0.58	37201_at	Cluster Incl. D38535:Human mRNA for PK-120 /cds=(129,2921) /gb=D38535 /gi=624879 /ug=Hs.76415 /len=3058
0.36	0.091	-0.57	37982_at	Cluster Incl. Z25821:H.sapiens gene for mitochondrial dodecenoyl-CoA delta-isomerase, exons 1 and 2 /cds=(71,979) /gb=Z2582
0.18	0.13	-0.28	36500_at	Cluster Incl. AF027974:Homo sapiens clone LM1955 H105e3 gene, partial cds /cds=(201,1166) /gb=AF027974 /gi=2570930 /ug=H
0.27	0.3	-0.64	36500_at	Cluster Incl. AF027974:Homo sapiens clone LM1955 H105e3 gene, partial cds /cds=(201,1166) /gb=AF027974 /gi=2570930 /ug=H
0.021	0.22	-0.34	36042_at	Cluster Incl. X75958:H.sapiens trkB mRNA for protein-tyrosine kinase /cds=(97,1530) /gb=X75958 /gi=473007 /ug=Hs.47860 /len=
0.034	0.35	-0.57	37325_at	Cluster Incl. D14697:Human mRNA for KIAA0003 gene, complete cds /cds=(114,1373) /gb=D14697 /gi=285964 /ug=Hs.77393 /le
0.26	-0.082	-0.41	160030_at	X06562 /FEATURE=cds /DEFINITION=HSGHR Human mRNA for growth hormone receptor /NOTE=replacement of probe set 12
0.1	0.13	-0.27	36104_at	Cluster Incl. AA526497:ni96d07.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-984685 /clone_end=3 /gb=AA526497 /gi=226856
-0.092	0.068	0.28	33659_at	Cluster Incl. X95404:H.sapiens mRNA for non-muscle type cofilin /cds=(51,551) /gb=X95404 /gi=1177470 /ug=Hs.180370 /len=10
0.27	0.15	-0.47	32546_at	Cluster Incl. U59309:Human fumarase precursor (FH) mRNA, nuclear gene encoding mitochondrial protein, complete cds /cds=(3
0.13	0.028	0.37	31820_at	Cluster Incl. X16663:Human HS1 gene for heamatopoietic lineage cell specific protein /cds=(42,1502) /gb=X16663 /gi=32054 /ug=
-0.16	0.24	-0.37	38079_at	Cluster Incl. AL049367:Homo sapiens mRNA; cDNA DKFZp586B0918 (from clone DKFZp586B0918) /cds=UNKNOWN /gb=AL04
-0.12	0.33	-0.55	36369_at	Cluster Incl. AF000421:Homo sapiens TTF-I interacting peptide 12 mRNA, partial cds /cds=(0,614) /gb=AF000421 /gi=2183080 /u
0.027	-0.14	0.44	39385_at	Cluster Incl. M22324:Human aminopeptidase N/CD13 mRNA encoding aminopeptidase N, complete cds /cds=(120,3023) /gb=M2