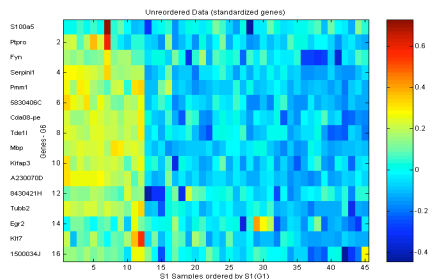


**Table 4. Regulation of expression of normal tissue-specific genes in M1-t-p53 myeloid leukemic cells by WT p53 and TG**

**Neuronal tissues**

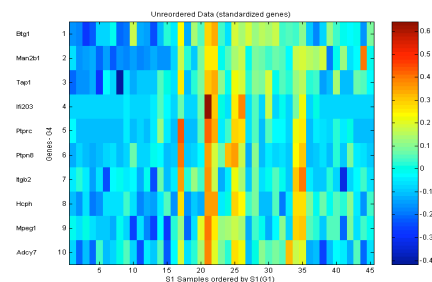
(Cluster a)  
size 16



	Probeset ID	Gene symbol	Gene title	Accession no.	Regulation by
1	100113_s_at	Kifap3	Kinesin-associated protein 3	D50367	TG up
2	100133_at	Fyn	Fyn proto-oncogene	M27266	TG up
3	100427_at	Ptpro	Protein tyrosine phosphatase, receptor type, O	U37465	p53 up
4	102225_at	8430421H08Rik	RIKEN cDNA 8430421H08 gene	AA163268	TG up
5	102661_at	Egr2	Early growth response 2	M24377	TG up
6	103223_at	5830406C15Rik	RIKEN cDNA 5830406C15 gene	AW120767	p53 up
7	104645_at	Klf7	Kruppel-like factor 7 (ubiquitous)	AI853712	p53 up
8	93147_f_at	A230070D14Rik	RIKEN cDNA A230070D14 gene	AI839880	p53 up
9	93360_at	Pmm1	Phosphomannomutase 1	AF007267	p53 up
10	93530_at	Cda08-pending	T-cell immunomodulatory protein	AI842807	TG up
11	94835_f_at	Tubb2	Tubulin, beta 2	M28739	p53 up
12	95101_at	Tde1l	Tumor differentially expressed 1, like	AI834772	TG up
13	95301_at	S100a5	S100 calcium binding protein A5	AF087469	TG up
14	96311_at	Mbp	Myelin basic protein	M11533	p53 up
15	97404_at	1500034J01Rik	RIKEN cDNA 1500034J01 gene	AW048244	p53 up
16	99494_at	Serpini1	Serine (or cysteine) proteinase inhibitor, clade I, member 1	AJ001700	TG up

**Bone marrow, bone, spleen, thymus, lymph node, trachea, adipose**

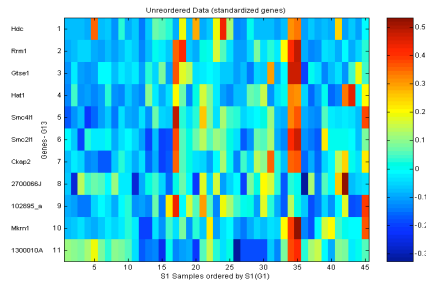
(Cluster b)  
size 10



	Probeset ID	Gene symbol	Gene title	Accession no.	Regulation by
1	101048_at	Ptprc	Protein tyrosine phosphatase, receptor type, C	M14343	TG up
2	102353_at	Itgb2	Integrin beta 2	M31039	p53 up
3	102851_s_at	Hcph	Hemopoietic cell phosphatase	M68902	p53 down but TG up
4	103035_at	Tap1	Transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	U60020	p53 up
5	103392_at	Adcy7	Adenylate cyclase 7	U12919	TG up
6	92356_at	Ptprb	Protein tyrosine phosphatase, non-receptor type 8	M90388	p53 up
7	93104_at	Btg1	B-cell translocation gene 1, anti-proliferative	Z16410	p53 up
8	93321_at	Ifi203	Interferon activated gene 203	AF022371	
9	99071_at	Mpeg1	Macrophage expressed gene 1	L20315	TG up
10	99562_at	Man2b1	Mannosidase 2, alpha B1	U87240	p53 up

**Bone, bone marrow, some in thymus**

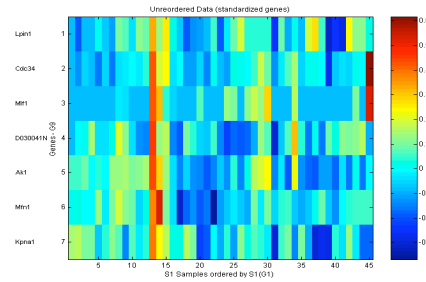
(Cluster c)  
size 11



	Probeset ID	Gene symbol	Gene title	Accession no.	Regulation by
1	100612_at	Rrm1	Ribonucleotide reductase M1	K02927	p53 up
2	101069_g_at	Mkm1	Makorin, ring finger protein, 1	AA656621	p53 up
3	101906_at	Smc41	SMC4 structural maintenance of chromosomes 4-like 1 (yeast)	AA032310	TG up
4	102895_at	102895_at	Mus musculus cDNA clone MGC:67586 IMAGE:6406279, complete cds	AI153246	p53 up
5	103270_at	Gtse1	G two S phase expressed protein 1	AJ222580	p53 up
6	104322_at	Ckap2	Cytoskeleton associated protein 2	AI121796	p53 up
7	104398_at	1300010A20Rik	RIKEN cDNA 1300010A20 gene	AI846222	TG up
8	104470_at	2700066J21Rik	RIKEN cDNA 2700066J21 gene	AI957346	p53 up
9	93328_at	Hdc	Histidine decarboxylase	X57437	TG up
10	97421_at	Smc21	SMC2 structural maintenance of chromosomes 2-like 1 (yeast)	U42385	p53 up
11	97895_f_at	Hat1	Histidine aminotransferase 1	AW125218	TG up

**Skeletal muscle, heart**

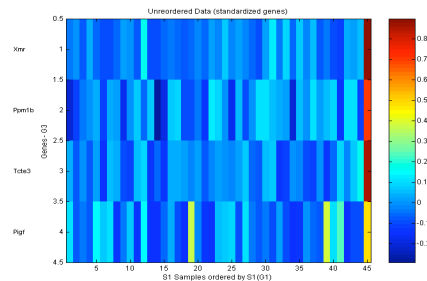
(Cluster d)  
size 7



	Probeset ID	Gene symbol	Gene title	Accession no.	Regulation by
1	101370_at	Kpna1	Karyopherin (importin) alpha 1	U20619	TG up
2	102061_at	Mif1	Myeloid leukemia factor 1	AF100171	TG up
3	94048_at	Cdc34	Cell division cycle 34 homolog (S. cerevisiae)	AW120683	p53 up
4	95594_at	Mfn1	Mitofusin 1	AI847486	p53 up
5	96801_at	Ak1	Adenylate kinase 1	AJ010108	p53 up
6	98878_r_at	D030041N15Rik	RIKEN cDNA D030041N15 gene	AW050141	p53 up
7	98892_at	Lpin1	Lipin 1	AI846934	p53 up

**Testis**

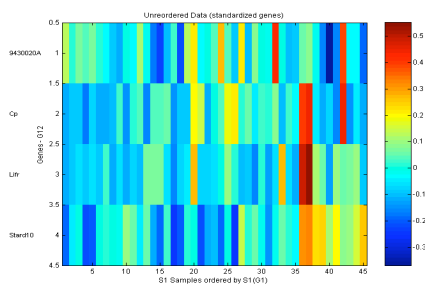
(Cluster e)  
size 4



	Probeset ID	Gene symbol	Gene title	Accession no.	Regulation by
1	101466_at	Pigf	Phosphatidylinositol glycan, class F	D50264	p53 up
2	101836_at	Ppm1b	Protein phosphatase 1B, magnesium dependent, beta isoform	D45859	p53 up
3	102818_at	Xmr	Xlr-related, meiosis regulated	X72697	TG up
4	99134_at	Tcte3	T-complex-associated testis expressed 3	U21673	p53 up

mainly Liver, gall bladder

(Cluster f)  
size 4



	Probeset ID	Gene symbol	Gene title	Accession no.	Regulation by
1	102381_at	9430020A05Rik	RIKEN cDNA 9430020A05 gene	AA619207	TG up
2	104658_at	Lifr	Leukemia inhibitory factor receptor	D17444	TG up
3	92851_at	Cp	Ceruloplasmin	U49430	TG up
4	96735_at	Stard10	START domain containing 10	AW049732	p53 up

**tissues ordered:**

- 1 amygdala
- 2 cerebral\_cortex
- 3 frontal\_corte
- 4 hippocampus
- 5 hypothalamus
- 6 striatum
- 7 olfactory\_bulb
- 8 spinal\_cord\_upper
- 9 spinal\_cord\_lower
- 10 cerebellum
- 11 trigeminal
- 12 dorsal\_root\_ganglion
- 13 skeletal\_muscle
- 14 heart
- 15 brown\_fat
- 16 eye
- 17 thymus
- 18 umbilical\_cord
- 19 bladder
- 20 lung
- 21 lymph\_node
- 22 spleen
- 23 uterus
- 24 ovary
- 25 trachea
- 26 adipose
- 27 prostate
- 28 tongue
- 29 snout\_epidermis
- 30 epidermis
- 31 digits
- 32 adrenal\_gland
- 33 placenta

34	bone
35	bone_marrow
36	gall_bladder
37	liver
38	kidney
39	large_intestine
40	small_intestine
41	stomach
42	mammary_gland
43	salivary_gland
44	thyroid
45	testis