

Table 1: 20 genes with the largest ratios in the leukemia data set

Rank	Orf	Gene	Description
1	M58285	<i>Hem-1</i>	Expressed only in cells of hematopoietic origin.
2	M58583	<i>Cerebellin 1 precursor (CBLN1)</i>	Also known as <i>Precerebellin 1</i> .
3	HG4157-HT4427	<i>Glycinamide Ribonucleotide Synthetase</i>	Metabolism.
4	M74096	<i>Acyl-CoA dehydrogenase, long-chain (Acadl)</i>	Beta-oxidation of fatty acids.
5	U52154	<i>Potassium inwardly-rectifying channel, subfamily J, member 5 (Kcnj5)</i>	Ion channel.
6	M74719	<i>Transcription factor 4 (TCF4)</i>	Also known as <i>Immunoglobulin transcription factor 2</i> . Plays a role in lymphoid development (B- and T-lymphocyte development).
7	U15085	<i>Major histocompatibility complex, class II, DM beta (HLA-DMB)</i>	Antigen presentation. Immune-cell specific surface antigen.
8	U47928	<i>Protein "A"</i>	Unknown.
9	D82344	<i>Paired mesoderm homeobox 2b (PMX2B)</i>	Transcription factor. Also known as <i>Neuroblastoma paired-type homeo box gene (NBPHOX)</i> .
10	U50534	Unknown	Unknown.
11	U38545	<i>Phospholipase D1, phosphatidylcholine-specific (PLD1)</i>	Lipid metabolism. Phosphatidic acid, end product of this enzymatic activity, is a signaling molecule.
12	L04953	<i>Amyloid beta (A4) precursor protein-binding, family A, member 1 (X11) (Apba1)</i>	Putative function in synaptic vesicle exocytosis.
13	L17330	<i>Pre-T/NK cell associated protein (6H9A)</i>	Development.
14	D86640	<i>Src homology three (SH3) and cysteine rich domain (Stac)</i>	Signal transduction.
15	M96739	<i>Nescient helix loop helix 1 (Nhlh1)</i>	Transcription factor. Also known as <i>Hen1</i> . Plays an important role in growth and development.
16	U15177	<i>Alu</i>	Repetitive DNA sequence.
17	M37984	<i>Regulatory domain of cardiac troponin C</i>	Structural modulation.
18	D43948	<i>ch-TOG (for colonic and hepatic tumor over-expressed gene)</i>	Over-expressed in hepatomas and colonic tumors.
19	U14518	<i>Centromere protein A (17 kDa) (Cenpa)</i>	Component of centromere structure.
20	S73205	<i>Insulin activator factor (Insaf)</i>	Transcription factor binding at insulin control element (ICE).