

**Table 28. Gene order according to the hierarchical clustering of the differentially expressed genes for the *MLL*-positive cases and the normal bone marrows and purified hematopoietic cells**

Accession no.	Gene name	Gene symbol	Entrez gene	Reporter ID	Signature
R11551	Cholesteryl ester transfer protein, plasma	<i>CETP</i>	1071	129988	
AA872011	AXIN1 up-regulated 1	<i>AXUD1</i>	64651	1475662	
AI090702	Kinesin-associated protein 3	<i>KIFAP3</i>	22920	1692195	
AA401578	Chromosome 16 open reading frame 5	<i>C16orf5</i>	29965	742562	
AA055194	DEAH (Asp-Glu-Ala-His) box polypeptide 29	<i>DHX29</i>	54505	377193	
AA128553	Amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease)	<i>APP</i>	351	526616	
H90975	Neural precursor cell expressed, developmentally down-regulated 4	<i>NEDD4</i>	4734	240711	
N49899	Solute carrier family 18 (vesicular monoamine), member 2	<i>SLC18A2</i>	6571	243653	
AA421512	Islet cell autoantigen 1, 69kDa	<i>ICA1</i>	3382	731129	
H29077	Lysosomal-associated membrane protein 1	<i>LAMP1</i>	3916	49710	
AA886758	Chromosome 1 open reading frame 24	<i>C1orf24</i>	116496	1500241	
BX107491	Vitamin K epoxide reductase complex, subunit 1-like 1	<i>VKORC1L1</i>	154807	470006	
N63988	Interferon-induced protein with tetratricopeptide repeats 2	<i>IFIT2</i>	3433	289496	
N53061	Hypothetical protein MGC5242	<i>MGC5242</i>	78996	246546	
AA609460	Nuclear receptor subfamily 6, group A, member 1	<i>NR6A1</i>	2649	743582	
AI888228	Alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13, p150)	<i>ANPEP</i>	290	2441080	
R66325	Colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	<i>CSF2RB</i>	1439	141115	
BX281560	Nuclear RNA export factor 3	<i>NXF3</i>	56000	430291	
BX089808	Hypothetical protein LOC285812	<i>LOC285812</i>	285812	32522	
BX102233	Breast cancer 1, early onset	<i>BRCA1</i>	672	241474	
BX096034	Asialoglycoprotein receptor 1	<i>ASGR1</i>	432	204541	
H59916	Multiple cluster hits:375108 & 511464	<i>CD24 &amp; 0</i>	934 & 440281	204335	
AA421691	UDP-glucose ceramide glucosyltransferase	<i>UGCG</i>	7357	739123	
N74131	Trefoil factor 3 (intestinal)	<i>TFF3</i>	7033	298417	
AA411757	Carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	<i>CEACAM1</i>	634	753301	
AI745626	Metallothionein 1G	<i>MT1G</i>	4495	2317017	
N27159	Inhibin, beta A (activin A, activin AB alpha polypeptide)	<i>INHBA</i>	3624	269815	
AA778089	Leucine rich repeat neuronal 1	<i>LRRN1</i>	57633	379709	
BX099462	Hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	<i>HIF1A</i>	3091	325117	
AA894557	Creatine kinase, brain	<i>CKB</i>	1152	1416782	
AA629591	Testis enhanced gene transcript (BAX inhibitor 1)	<i>TEGT</i>	7009	884766	
AA701996	Delta-like 1 homolog (Drosophila)	<i>DLK1</i>	8788	436121	
AA452937	Syntaxin binding protein 6 (amisyn)	<i>STXBP6</i>	29091	788524	
AA703392	Complement factor H-related 1	<i>CFHL1</i>	3078	450060	
R01638	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	<i>CTDSPL</i>	10217	123980	
H47496	Multiple cluster hits:15792 & 496755	<i>0 &amp; C14orf128</i>	0 & 84837	193151	
AA055440	Sprouty homolog 1, antagonist of FGF signaling (Drosophila)	<i>SPRY1</i>	10252	377468	
AA489040	Ecotropic viral integration site 2A	<i>EVI2A</i>	2123	824933	
AA453789	Multiple cluster hits:90572 & 460468	<i>PTK7 &amp; XPO6</i>	5754 & 23214	813742	
BX106131	Thyrotropin-releasing hormone	<i>TRH</i>	7200	382787	
AI681015	Suppressor of cytokine signaling 6	<i>SOCS6</i>	9306	2272331	
BX099294	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 6	<i>B4GALT6</i>	9331	396098	
AI799757	Immunoglobulin heavy variable 1/OR15-1	<i>0</i>	388077	2320870	
AA707413	Myc target 1	<i>MYCT1</i>	80177	451557	
AA460463	Cytokine-like protein C17	<i>C17</i>	54360	796569	
AA480851	Claudin 10	<i>CLDN10</i>	9071	810761	
N47388	Stonin 2	<i>STN2</i>	85439	280602	
N90806	Hypothetical protein FLJ14054	<i>FLJ14054</i>	79614	303139	
N24824	V-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	<i>KIT</i>	3815	269806	
AA044031	Hypothetical protein DKFZp762C1112	<i>DKFZp762C1112</i>	169200	486626	
N59851	WAS protein family, member 1	<i>WASF1</i>	8936	284734	

W86201	Transmembrane 4 superfamily member 13	<i>TM4SF13</i>	27075	416374	
AA070226	Selenoprotein P, plasma, 1	<i>SEPP1</i>	6414	530814	
AA863469	Lipoma HMGIC fusion partner-like 2	<i>LHFPL2</i>	10184	1469377	
AA421504	Mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase	<i>MGAT3</i>	4248	731060	
AA436506	Nuclear factor I/X (CCAAT binding transcription factor)	<i>NFIX</i>	4784	753034	
N68644	Fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)	<i>FGFR3</i>	2261	293164	
T48950	Rhesus blood group-associated glycoprotein	<i>RHAG</i>	6005	70489	
T52280	Chloride intracellular channel 2	<i>CLIC2</i>	1193	71956	
T91261	Mannosidase, alpha, class 1A, member 1	<i>MAN1A1</i>	4121	112629	
T56858	Growth factor independent 1B (potential regulator of CDKN1A, translocated in CML)	<i>GF11B</i>	8328	68266	
H77541	Multiple cluster hits:95990 & 284171	<i>PKLR &amp; HCN3</i>	5313 & 57657	234522	
AA427666	Potassium voltage-gated channel, subfamily H (eag-related), member 2	<i>KCNH2</i>	3757	770012	
AA490700	Myosin, heavy polypeptide 10, non-muscle	<i>MYH10</i>	4628	823886	
N20003	Chromosome 2 open reading frame 32	<i>C2orf32</i>	25927	263341	
AA664020	Deleted in liver cancer 1	<i>DLC1</i>	10395	855422	
BX096127	Pirin (iron-binding nuclear protein)	<i>PIR</i>	8544	234237	
BX104994	RNA binding protein with multiple splicing 2	<i>RBPMS2</i>	348093	136668	
H90152	Growth hormone regulated TBC protein 1	<i>G RTP1</i>	79774	240896	
BX094473	Syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa, basic component 2)	<i>SNTB2</i>	6645	263271	
W69271	SH3 domain binding glutamic acid-rich protein like 2	<i>SH3BGRL2</i>	83699	343760	
AA775223	Hydroxyprostaglandin dehydrogenase 15-(NAD)	<i>HPGD</i>	3248	868838	
AA629926	Zinc finger protein 544	<i>ZNF544</i>	27300	884683	
W74533	Latrophilin 2	<i>LPHN2</i>	23266	346583	
H84154	Cyclin D2	<i>CCND2</i>	894	249688	
AW075557	Bromodomain adjacent to zinc finger domain, 2A	<i>BAZ2A</i>	11176	2577057	
AA131248	Muscleblind-like (Drosophila)	<i>MBNL1</i>	4154	503545	T cell
AA490828	Chromosome 2 open reading frame 22	<i>C2orf22</i>	130814	824312	T cell
N67007	Multiple cluster hits:268326 & 371021	<i>OCIL &amp; LAPTM5</i>	29121 & 7805	295868	T cell/ B cell
AI302421	Lectin-like NK cell receptor	<i>OCIL</i>	29121	1901749	T cell/ B cell
AA677025	Similar to annexin II receptor	<i>0</i>	389289	454564	T cell/II
T82077	Cell division cycle 27	<i>CDC27</i>	996	109708	
AW029299	Interleukin 17 receptor	<i>IL17R</i>	23765	2543085	Mature/CD15
BX094091	Multiple cluster hits:9887 & 378808	<i>0 &amp; eIF2A</i>	0 & 83939	41132	Mature/CD15
AA486942	Capping protein (actin filament), gelsolin-like	<i>CAPG</i>	822	841059	Mature/CD15
BX105581	Lymphocyte antigen 86	<i>LY86</i>	9450	2333826	Mature/CD15
AI984983	Phospholipase A2, group IVA (cytosolic, calcium-dependent)	<i>PLA2G4A</i>	5321	2494805	
AA634300	IGF-II mRNA-binding protein 2	<i>IMP-2</i>	10644	743774	
AA016225	Chromosome 9 open reading frame 123	<i>C9orf123</i>	90871	359269	Leukemic
AW057757	Palladin	<i>KIAA0992</i>	23022	2542582	Leukemic
W52082	Mitochondrial ribosomal protein L33	<i>MRPL33</i>	9553	325520	Leukemic
H10488	Adenylate kinase 2	<i>AK2</i>	204	45464	Leukemic
AA778198	Pre-B cell leukemia transcription factor 3	<i>PBX3</i>	5090	448386	Leukemic
BX112804	Brevican	<i>BCAN</i>	63827	32687	Leukemic
AA447599	Cytoplasmic linker associated protein 2	<i>CLASP2</i>	23122	782700	Leukemic
T62715	Aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)	<i>AKR7A2</i>	8574	79592	Leukemic
AA001444	Meis1, myeloid ecotropic viral integration site 1 homolog (mouse)	<i>MEIS1</i>	4211	361943	Leukemic
AA953229	Homeo box A10	<i>HOXA10</i>	3206	1592006	Leukemic
BX101261	Homeo box A4	<i>HOXA4</i>	3201	785930	Leukemic
AA293453	Sideroflexin 3	<i>SFXN3</i>	81855	726236	Leukemic
AA676804	CCAAT/enhancer binding protein (C/EBP), gamma	<i>CEBPG</i>	1054	455121	Leukemic
AI927284	Lectin, galactoside-binding, soluble, 1 (galectin 1)	<i>LGALS1</i>	3956	2461050	Leukemic
AI652223	Wingless-type MMTV integration site family, member 10B	<i>WNT10B</i>	7480	2306221	Leukemic
BX088745	B/K protein	<i>LOC51760</i>	51760	1239845	Leukemic
W70221	NEDD8-conjugating enzyme	<i>NCE2</i>	140739	343967	Leukemic
AA620591	CDNA clone MGC:24463 IMAGE:4082362, complete cds	<i>0</i>	0	951313	Leukemic
AA436142	Sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican)	<i>SPOCK</i>	6695	754358	Leukemic
AI363200	Proenkephalin	<i>PENK</i>	5179	2017204	Leukemic
H71081	Hexosaminidase B (beta polypeptide)	<i>HEXB</i>	3074	211780	Leukemic
T71879	Complement component 2	<i>C2</i>	717	85497	Leukemic
AI056417	Mesothelin	<i>MSLN</i>	10232	1669232	Leukemic

AA708201	Immunoglobulin superfamily, member 4	<i>IGSF4</i>	23705	392405	Leukemic
AA775357	Similar to jumonji domain containing 1A; testis-specific protein A; zinc finger protein	<i>0</i>	439979	878680	Leukemic
BX116210	Apolipoprotein C-II	<i>APOC2</i>	344	809523	Leukemic

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