

**Table S20. Functional categories of down-regulated genes associated with t(8;21)**

GO category	Corrected p-value	No. of genes	Other tags with downregulated genes	Other tags with upregulated genes
<b>Biological Processes</b>				
developmental process	1.56E-27	133	<i>CEBPA mutation control</i>	11q23 <i>CEBPA silenced</i> <i>FAB-M7</i> <i>FLT3-ITD</i> <i>FLT3 mutation</i> <i>t(11;19)</i>
multicellular organismal process	3.36E-24	137	<i>CEBPA mutation control</i> <i>del(7q)</i>	11q23 <i>FAB-M4</i> <i>FAB-M5</i> <i>FAB-M7</i> <i>FLT3-ITD</i> <i>FLT3 mutation</i> <i>good prognosis</i>
response to external stimulus	3.48E-22	53	<i>CD34+CD38- fraction control</i> <i>del(7q)</i> <i>poor prognosis</i>	<i>CD34+CD38+ fraction</i> <i>good prognosis</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>monocytic</i> <i>normal cytogenetics</i> <i>NPM1 mutation</i>
multicellular organismal development	2.77E-21	100	<i>CD34+CD38+ fraction</i> <i>CEBPA mutation control</i>	11q23 <i>CD34+CD38- fraction</i> <i>FAB-M7</i> <i>FLT3-ITD</i>
response to wounding	1.06E-20	43	<i>CD34+CD38- fraction control</i> <i>poor prognosis</i>	<i>CD34+CD38+ fraction</i> <i>good prognosis</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>monocytic</i> <i>normal cytogenetics</i> <i>NPM1 mutation</i>
system development	3.83E-17	75	<i>CD34+CD38+ fraction</i>	<i>CD34+CD38- fraction</i> <i>t(15;17)</i>
cell communication	4.07E-16	157	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i> <i>poor prognosis</i>	<i>CD34+CD38+ fraction</i> <i>CEBPA silenced</i> <i>good prognosis</i> <i>inv(16)</i> <i>normal cytogenetics</i>
response to stimulus	1.36E-14	111	<i>CD34+CD38- fraction</i> <i>FLT3 mutation</i> <i>t(15;17)</i>	11q23 <i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>monocytic</i>
signal transduction	2.33E-14	145	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i> <i>FLT3 mutation</i> <i>poor prognosis</i>	<i>CD34+CD38+ fraction</i> <i>good prognosis</i> <i>inv(16)</i> <i>normal cytogenetics</i>
organ development	2.60E-14	58	<i>CD34+CD38+ fraction</i> <i>normal cytogenetics</i>	<i>CD34+CD38- fraction</i> <i>inv(16)</i>
biological regulation	1.18E-13	172	<i>CD34+CD38- fraction</i> <i>CEBPA mutation control</i> <i>del(7q)</i> <i>euploid</i> <i>low centrosome aberrations</i> <i>t(15;17)</i>	<i>aneuploid</i> <i>CD34+CD38+ fraction</i> <i>CEBPA silenced</i> <i>high centrosome aberrations</i> <i>normal cytogenetics</i>
cell proliferation	1.94E-13	45	<i>CD34+CD38- fraction</i> <i>euploid</i> <i>normal cytogenetics</i>	<i>aneuploid</i> <i>CD34+CD38+ fraction</i> <i>FLT3-ITD</i> <i>FLT3 mutation</i>

positive regulation of biological process	2.69E-13	55	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i> <i>euploid</i> <i>low centrosome aberrations</i>	<i>aneuploid</i> <i>CD34+CD38+ fraction</i> <i>good prognosis</i> <i>high centrosome aberrations</i> <i>inv(16)</i>
defense response	1.75E-12	39	<i>CD34+CD38- fraction</i> <i>poor prognosis</i>	<i>11q23</i> <i>CD34+CD38+ fraction</i> <i>good prognosis</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>monocytic</i> <i>normal cytogenetics</i>
inflammatory response	2.00E-12	28	<i>CD34+CD38- fraction</i>	<i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>monocytic</i> <i>NPM1 mutation</i>
response to stress	5.22E-12	57	<i>CD34+CD38- fraction</i> <i>euploid</i> <i>low centrosome aberrations</i>	<i>abnormal cytogenetics</i> <i>aneuploid</i> <i>CD34+CD38+ fraction</i> <i>high centrosome aberrations</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>normal cytogenetics</i>
positive regulation of cellular process	4.44E-11	49	<i>CD34+CD38- fraction</i> <i>euploid</i> <i>low centrosome aberrations</i>	<i>aneuploid</i> <i>CD34+CD38+ fraction</i> <i>good prognosis</i> <i>high centrosome aberrations</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>normal cytogenetics</i>
immune system process	6.18E-11	58	<i>CD34+CD38- fraction</i> <i>FLT3 mutation</i> <i>normal cytogenetics</i> <i>t(15;17)</i>	<i>CD34+CD38+ fraction</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>monocytic</i>
regulation of biological process	1.05E-09	149	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i> <i>del(7q)</i> <i>euploid</i> <i>FLT3 mutation</i> <i>low centrosome aberrations</i> <i>t(15;17)</i>	<i>aneuploid</i> <i>CD34+CD38+ fraction</i> <i>CEBPA silenced</i> <i>high centrosome aberrations</i> <i>inv(16)</i> <i>MLL fusion gene</i>
cellular process	1.14E-09	351	<i>CEBPA mutation</i> <i>del(7q)</i> <i>euploid</i> <i>low centrosome aberrations</i>	<i>11q23</i> <i>abnormal cytogenetics</i> <i>aneuploid</i> <i>CEBPA silenced</i> <i>high centrosome aberrations</i> <i>inv(16)</i>
negative regulation of cellular process	1.30E-09	49	<i>CD34+CD38- fraction</i> <i>t(15;17)</i>	<i>CD34+CD38+ fraction</i> <i>control</i> <i>inv(16)</i> <i>MLL fusion gene</i>
negative regulation of biological process	2.17E-09	50	<i>CD34+CD38- fraction</i> <i>t(15;17)</i>	<i>CD34+CD38+ fraction</i> <i>control</i> <i>inv(16)</i> <i>MLL fusion gene</i>
biological adhesion	2.61E-09	45	<i>CD34+CD38+ fraction</i> <i>normal cytogenetics</i>	<i>CD34+CD38- fraction</i> <i>inv(16)</i>
cell adhesion	2.61E-09	45	<i>CD34+CD38+ fraction</i> <i>normal cytogenetics</i>	<i>CD34+CD38- fraction</i> <i>inv(16)</i>
regulation of cell proliferation	2.56E-08	29	<i>CD34+CD38+ fraction</i> <i>euploid</i> <i>poor prognosis</i>	<i>aneuploid</i> <i>CD34+CD38- fraction</i> <i>good prognosis</i> <i>MLL fusion gene</i> <i>NPM1 mutation</i>

regulation of multicellular organismal process	3.05E-08	24		<i>FAB-M7</i> <i>good prognosis</i> <i>inv(16)</i> <i>NPM1 mutation</i>
immune response	3.57E-08	48	<i>CD34+CD38- fraction</i> <i>FLT3 mutation</i> <i>normal cytogenetics</i>	<i>CD34+CD38+ fraction</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>inv(16)</i> <i>monocytic</i>
localization of cell	5.12E-08	26	<i>CD34+CD38- fraction</i> <i>normal cytogenetics</i> <i>poor prognosis</i>	<i>CD34+CD38+ fraction</i> <i>good prognosis</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>NPM1 mutation</i>
cell motility	5.12E-08	26	<i>CD34+CD38- fraction</i> <i>normal cytogenetics</i> <i>poor prognosis</i>	<i>CD34+CD38+ fraction</i> <i>good prognosis</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>NPM1 mutation</i>
immune effector process	1.03E-07	15		<i>inv(16)</i> <i>NPM1 mutation</i>
regulation of cellular process	1.33E-07	137	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i> <i>euploid</i> <i>FLT3 mutation</i> <i>low centrosome aberrations</i> <i>t(15;17)</i>	<i>aneuploid</i> <i>CD34+CD38+ fraction</i> <i>CEBPA silenced</i> <i>good prognosis</i> <i>high centrosome aberrations</i> <i>inv(16)</i> <i>MLL fusion gene</i>
anatomical structure morphogenesis	2.12E-07	39	<i>poor prognosis</i> <i>t(15;17)</i>	<i>FLT3-ITD</i> <i>FLT3 mutation</i> <i>good prognosis</i> <i>MLL fusion gene</i> <i>normal cytogenetics</i>
regulation of immune system process	1.17E-06	16		<i>good prognosis</i> <i>inv(16)</i> <i>NPM1 mutation</i>
regulation of developmental process	2.42E-06	36	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i>	<i>CD34+CD38+ fraction</i> <i>CEBPA silenced</i> <i>good prognosis</i> <i>inv(16)</i> <i>MLL fusion gene</i>
cell development	6.39E-06	45	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i>	<i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>normal cytogenetics</i>
cell activation	8.32E-06	17		<i>good prognosis</i> <i>inv(16)</i> <i>NPM1 mutation</i>
endocytosis	1.54E-05	16	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i>	<i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>MLL fusion gene</i>
membrane invagination	1.54E-05	16	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i>	<i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>MLL fusion gene</i>
leukocyte mediated immunity	1.60E-05	11		<i>good prognosis</i> <i>inv(16)</i> <i>normal cytogenetics</i> <i>NPM1 mutation</i>
positive regulation of developmental process	2.38E-05	21	<i>poor prognosis</i>	<i>good prognosis</i> <i>inv(16)</i> <i>MLL fusion gene</i>
cell-cell signaling	2.77E-05	29		<i>inv(16)</i>
positive regulation of immune system process	2.79E-05	13		<i>good prognosis</i> <i>inv(16)</i> <i>NPM1 mutation</i>
leukocyte activation	3.26E-05	15	<i>FLT3 mutation</i> <i>NPM1 mutation</i>	<i>inv(16)</i>
positive regulation of multicellular organismal process	3.65E-05	14		<i>inv(16)</i> <i>NPM1 mutation</i>

organ morphogenesis	4.03E-05	21	<i>poor prognosis</i>	<i>good prognosis</i> <i>inv(16)</i> <i>normal cytogenetics</i> <i>NPM1 mutation</i>
humoral immune response	7.58E-05	10		<i>inv(16)</i> <i>NPM1 mutation</i>
membrane organization and biogenesis	9.41E-05	18	<i>CD34+CD38- fraction</i> <i>NPM1 mutation</i> <i>poor prognosis</i>	<i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>MLL fusion gene</i>
wound healing	9.52E-05	13		<i>inv(16)</i> <i>NPM1 mutation</i>
transcription from RNA polymerase II promoter	1.00E-04	28	<i>del(7q)</i> <i>MLL fusion gene</i> <i>poor prognosis</i>	<i>abnormal cytogenetics</i> <i>good prognosis</i> <i>inv(16)</i> <i>NPM1 mutation</i>
regulation of biological quality	1.90E-04	39	<i>poor prognosis</i>	<i>FAB-M7</i> <i>good prognosis</i> <i>MLL fusion gene</i> <i>t(8;14)</i>
activation of immune response	4.00E-04	9		<i>NPM1 mutation</i>
blood vessel development	4.60E-04	13	<i>MLL fusion gene</i>	<i>good prognosis</i> <i>inv(16)</i> <i>NPM1 mutation</i>
vasculature development	5.70E-04	13	<i>MLL fusion gene</i>	<i>good prognosis</i> <i>inv(16)</i> <i>NPM1 mutation</i>
cell death	6.10E-04	33	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i>	<i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>normal cytogenetics</i>
death	6.10E-04	33	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i>	<i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>normal cytogenetics</i>
vesicle-mediated transport	6.20E-04	26	<i>poor prognosis</i>	<i>inv(16)</i> <i>MLL fusion gene</i>
hemostasis	6.40E-04	11		<i>inv(16)</i> <i>NPM1 mutation</i>
immunoglobulin mediated immune response	7.50E-04	8		
lymphocyte mediated immunity	8.30E-04	9		<i>NPM1 mutation</i>
B cell mediated immunity	8.70E-04	8		
blood vessel morphogenesis	9.30E-04	12		<i>inv(16)</i>
regulation of immune response	1.16E-03	10		<i>NPM1 mutation</i>
adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains	1.30E-03	9		<i>NPM1 mutation</i>
adaptive immune response	1.30E-03	9		<i>NPM1 mutation</i>
apoptosis	1.37E-03	31	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i>	<i>CD34+CD38+ fraction</i> <i>MLL fusion gene</i> <i>normal cytogenetics</i>
anatomical structure formation	1.42E-03	12		<i>inv(16)</i>
intracellular signaling cascade	1.44E-03	55	<i>poor prognosis</i>	<i>good prognosis</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>NPM1 mutation</i>
skeletal development	1.55E-03	14		<i>inv(16)</i>
programmed cell death	1.66E-03	31	<i>CD34+CD38- fraction</i>	<i>CD34+CD38+ fraction</i> <i>MLL fusion gene</i> <i>normal cytogenetics</i>
regulation of apoptosis	1.80E-03	24	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i>	<i>CD34+CD38+ fraction</i> <i>CEBPA silenced</i> <i>good prognosis</i> <i>MLL fusion gene</i>
tissue development	1.96E-03	17		<i>inv(16)</i>

regulation of programmed cell death	2.21E-03	24	<i>CEBPA mutation</i>	<i>CEBPA silenced good prognosis MLL fusion gene</i>
response to mechanical stimulus	2.30E-03	5		<i>inv(16)</i>
positive regulation of immune response	2.43E-03	9		<i>NPM1 mutation</i>
production of molecular mediator of immune response	2.62E-03	6		<i>inv(16)</i> <i>NPM1 mutation</i>
regulation of body fluid levels	2.65E-03	11		<i>NPM1 mutation</i>
blood coagulation	3.27E-03	10		<i>NPM1 mutation</i>
rhythmic process	3.50E-03	8		
regulation of cell activation	3.57E-03	9		<i>good prognosis</i> <i>inv(16)</i> <i>NPM1 mutation</i>
regulation of leukocyte activation	3.57E-03	9		<i>good prognosis</i> <i>inv(16)</i> <i>NPM1 mutation</i>
negative regulation of cell proliferation	3.63E-03	14	<i>euploid</i>	<i>aneuploid</i> <i>inv(16)</i>
response to chemical stimulus	3.72E-03	24	<i>11q23</i> <i>CD34+CD38- fraction</i> <i>poor prognosis</i>	<i>CD34+CD38+ fraction</i> <i>good prognosis</i> <i>inv(16)</i> <i>normal cytogenetics</i> <i>NPM1 mutation</i>
cytokine production	4.49E-03	10	<i>CD34+CD38- fraction</i>	<i>CD34+CD38+ fraction</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>good prognosis</i> <i>inv(16)</i> <i>NPM1 mutation</i>
coagulation	4.49E-03	10		
positive regulation of cell proliferation	4.66E-03	14	<i>poor prognosis</i>	<i>inv(16)</i> <i>MLL fusion gene</i> <i>NPM1 mutation</i>
regulation of transcription from RNA polymerase II promoter	6.90E-03	19	<i>CEBPA mutation</i> <i>MLL fusion gene</i>	<i>good prognosis</i> <i>normal cytogenetics</i> <i>NPM1 mutation</i>
localization	8.23E-03	100	<i>poor prognosis</i>	<i>FAB-M7</i> <i>good prognosis</i> <i>inv(16)</i> <i>MLL fusion gene</i>
regulation of response to stimulus	8.32E-03	11		<i>good prognosis</i> <i>NPM1 mutation</i>
locomotory behavior	8.56E-03	12	<i>11q23</i> <i>CD34+CD38- fraction</i> <i>control</i>	<i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>NPM1 mutation</i>
regulation of mast cell cytokine production	8.92E-03	3		<i>good prognosis</i> <i>inv(16)</i> <i>normal cytogenetics</i>
mast cell cytokine production	8.92E-03	3		<i>good prognosis</i> <i>inv(16)</i> <i>normal cytogenetics</i>
lymphocyte activation	9.42E-03	11	<i>FLT3 mutation</i>	<i>inv(16)</i>
negative regulation of cytokine production	9.49E-03	4		

#### Molecular Functions

signal transducer activity	3.82E-08	99	<i>CD34+CD38- fraction</i>	<i>CD34+CD38+ fraction</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>inv(16)</i> <i>normal cytogenetics</i>
molecular transducer activity	3.82E-08	99	<i>CD34+CD38- fraction</i>	<i>CD34+CD38+ fraction</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>inv(16)</i> <i>normal cytogenetics</i>

binding	1.06E-05	353	<i>CD34+CD38- fraction euploid</i>	<i>aneuploid CD34+CD38+ fraction good prognosis inv(16) normal cytogenetics</i>
enzyme regulator activity	6.45E-05	44		
protein complex binding	5.80E-04	10		<i>inv(16)</i>
transcription activator activity	6.80E-04	17	<i>poor prognosis</i>	<i>good prognosis inv(16) NPM1 mutation</i>
receptor binding	7.70E-04	35		<i>11q23 inv(16) NPM1 mutation</i>
transcription coactivator activity	4.53E-03	12	<i>poor prognosis</i>	<i>good prognosis inv(16)</i>
enzyme activator activity	4.92E-03	20		
identical protein binding	6.43E-03	17	<i>CD34+CD38+ fraction FLT3 mutation normal cytogenetics NPM1 mutation</i>	<i>abnormal cytogenetics CD34+CD38- fraction MLL fusion gene</i>
IgE binding	8.42E-03	3		
receptor activity	9.20E-03	70	<i>CD34+CD38- fraction</i>	<i>CD34+CD38+ fraction FAB-M4 FAB-M5 inv(16)</i>
structural constituent of cytoskeleton	9.41E-03	8		
enzyme inhibitor activity	9.87E-03	18		
<b>Cellular Components</b>				
membrane	7.53E-18	233	<i>normal cytogenetics</i>	<i>FLT3 mutation inv(16) MLL fusion gene</i>
membrane part	5.49E-13	186	<i>CEBPA mutation normal cytogenetics</i>	<i>CEBPA silenced FAB-M4 FAB-M5 inv(16) MLL fusion gene</i>
intrinsic to membrane	4.60E-12	167		<i>CEBPA silenced FAB-M4 FAB-M5 inv(16) MLL fusion gene</i>
integral to membrane	4.98E-11	162		<i>CEBPA silenced FAB-M4 FAB-M5 inv(16) MLL fusion gene</i>
extracellular region	2.96E-09	76	<i>CD34+CD38- fraction</i>	<i>11q23 CD34+CD38+ fraction inv(16) NPM1 mutation t(15;17)</i>
intracellular organelle	1.77E-07	216	<i>CD34+CD38+ fraction low centrosome aberrations</i>	<i>abnormal cytogenetics CD34+CD38- fraction FLT3-TKD high centrosome aberrations</i>
organelle	1.83E-07	216	<i>CD34+CD38+ fraction low centrosome aberrations</i>	<i>abnormal cytogenetics CD34+CD38- fraction FLT3-TKD high centrosome aberrations</i>
cytoplasmic part	4.25E-07	113	<i>FLT3-ITD normal cytogenetics NPM1 mutation</i>	<i>abnormal cytogenetics FAB-M7 inv(16) MLL fusion gene</i>
Golgi apparatus	1.80E-06	32	<i>poor prognosis</i>	<i>good prognosis inv(16) MLL fusion gene</i>

membrane fraction	2.00E-05	29	<i>del(7q)</i>	<i>FAB-M7</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>normal cytogenetics</i>
melanosome	3.77E-05	10	<i>NRAS-PM</i>	<i>inv(16)</i>
pigment granule	3.77E-05	10	<i>NRAS-PM</i>	<i>inv(16)</i>
cytoplasmic vesicle	4.43E-05	22		<i>inv(16)</i> <i>MLL fusion gene</i>
vesicle	6.02E-05	22		<i>inv(16)</i> <i>MLL fusion gene</i>
endomembrane system	1.50E-04	36	<i>CEBPA mutation</i> <i>poor prognosis</i>	<i>CEBPA silenced</i> <i>good prognosis</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>NPM1 mutation</i>
vacuole	1.70E-04	15	<i>CD34+CD38- fraction</i> <i>CEBPA silenced</i> <i>poor prognosis</i>	<i>CD34+CD38+ fraction</i> <i>CEBPA mutation</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>good prognosis</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>monocytic</i>
Golgi membrane	3.00E-04	19	<i>poor prognosis</i>	<i>inv(16)</i>
Golgi apparatus part	6.50E-04	20	<i>poor prognosis</i>	<i>inv(16)</i> <i>MLL fusion gene</i>
lysosome	8.50E-04	13	<i>CD34+CD38- fraction</i> <i>CEBPA silenced</i> <i>poor prognosis</i>	<i>CD34+CD38+ fraction</i> <i>CEBPA mutation</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>good prognosis</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>monocytic</i>
lytic vacuole	9.90E-04	13	<i>CD34+CD38- fraction</i> <i>CEBPA silenced</i> <i>poor prognosis</i>	<i>CD34+CD38+ fraction</i> <i>CEBPA mutation</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>good prognosis</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>monocytic</i>
extracellular region part	1.07E-03	31	<i>CD34+CD38- fraction</i>	<i>11q23</i> <i>CD34+CD38+ fraction</i> <i>FLT3 mutation</i> <i>inv(16)</i> <i>NPM1 mutation</i>
extracellular space	1.26E-03	22	<i>CD34+CD38- fraction</i>	<i>11q23</i> <i>CD34+CD38+ fraction</i> <i>FLT3 mutation</i> <i>inv(16)</i> <i>NPM1 mutation</i>
cytoplasmic membrane-bound vesicle	1.60E-03	17		<i>inv(16)</i> <i>MLL fusion gene</i>
integrin complex	1.72E-03	7		<i>inv(16)</i>
membrane-bound vesicle	1.92E-03	17		<i>inv(16)</i> <i>MLL fusion gene</i>
endoplasmic reticulum	2.19E-03	30	<i>poor prognosis</i>	<i>CEBPA silenced</i> <i>MLL fusion gene</i>
organelle membrane	3.03E-03	43	<i>poor prognosis</i>	<i>MLL fusion gene</i>
receptor complex	3.78E-03	9		<i>inv(16)</i> <i>MLL fusion gene</i>
lipid raft	6.43E-03	6		<i>inv(16)</i>

Significantly over-represented functional gene ontology (GO) categories of down-regulated genes associated with t(8;21) are presented here. GO categories that are also over-represented in up-regulated genes associated with t(8;21) are not included. Corrected p-value is the Bonferroni multiple hypothesis. Identification tags that are both up-regulated and down-regulated are not included in the 'other tags' columns. Identification tag descriptions can be found in Table S1.