

Table S7. Functional categories of up-regulated genes associated with good prognosis

GO category	Corrected p-value	No. of genes	Other tags with upregulated genes	Other tags with downregulated genes
Biological Processes				
regulation of cellular process	6.66E-25	266	<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>	<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>t(8;21)</i>
positive regulation of biological process	5.00E-22	91	<i>aneuploid</i> <i>CD34+CD38+ fraction</i> <i>high centrosome aberrations</i> <i>inv(16)</i>	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i> <i>euploid</i> <i>low centrosome aberrations</i> <i>t(8;21)</i>
positive regulation of cellular process	2.00E-21	86	<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>	<i>CD34+CD38- fraction</i> <i>euploid</i> <i>low centrosome aberrations</i> <i>t(8;21)</i>
transcription from RNA polymerase II promoter	9.14E-18	62	<i>abnormal cytogenetics</i> <i>inv(16)</i> <i>NPM1 mutation</i>	<i>del(7q)</i> <i>MLL fusion gene</i> <i>poor prognosis</i> <i>t(8;21)</i>
regulation of developmental process	9.57E-17	70	<i>CD34+CD38+ fraction</i> <i>CEBPA silenced</i> <i>inv(16)</i> <i>MLL fusion gene</i>	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i> <i>t(8;21)</i>
protein kinase cascade	9.58E-16	45	<i>MLL fusion gene</i> <i>NPM1 mutation</i>	<i>poor prognosis</i>
multicellular organismal process	1.99E-15	174	<i>11q23</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>FAB-M7</i> <i>FLT3-ITD</i> <i>FLT3 mutation</i>	<i>CEBPA mutation</i> <i>control</i> <i>del(7q)</i> <i>t(8;21)</i>
RNA metabolic process	1.42E-14	187	<i>abnormal cytogenetics</i> <i>NPM1 mutation</i>	<i>poor prognosis</i>
intracellular signaling cascade	2.48E-14	113	<i>inv(16)</i> <i>MLL fusion gene</i> <i>NPM1 mutation</i>	<i>poor prognosis</i> <i>t(8;21)</i>
signal transduction	7.34E-14	215	<i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>normal cytogenetics</i>	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i> <i>FLT3 mutation</i> <i>poor prognosis</i> <i>t(8;21)</i>
cell communication	8.89E-14	227	<i>CD34+CD38+ fraction</i> <i>CEBPA silenced</i> <i>inv(16)</i> <i>normal cytogenetics</i>	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i> <i>poor prognosis</i> <i>t(8;21)</i>
negative regulation of developmental process	1.79E-13	39	<i>NPM1 mutation</i>	<i>FLT3 mutation</i> <i>poor prognosis</i>
nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	2.75E-12	224	<i>abnormal cytogenetics</i> <i>NPM1 mutation</i>	<i>poor prognosis</i>
regulation of apoptosis	4.30E-12	50	<i>CD34+CD38+ fraction</i> <i>CEBPA silenced</i> <i>MLL fusion gene</i>	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i> <i>t(8;21)</i>
regulation of transcription from RNA polymerase II promoter	6.61E-12	42	<i>normal cytogenetics</i> <i>NPM1 mutation</i>	<i>CEBPA mutation</i> <i>MLL fusion gene</i> <i>t(8;21)</i>
regulation of programmed cell death	6.93E-12	50	<i>CEBPA silenced</i> <i>MLL fusion gene</i>	<i>CEBPA mutation</i> <i>t(8;21)</i>

positive regulation of metabolic process	1.94E-11	41	<i>high centrosome aberrations</i> <i>inv(16)</i>	<i>low centrosome aberrations</i> <i>poor prognosis</i>
regulation of metabolic process	3.07E-11	177	<i>high centrosome aberrations</i> <i>NPM1 mutation</i>	<i>CEBPA mutation</i> <i>low centrosome aberrations</i> <i>poor prognosis</i> <i>t(15;17)</i>
regulation of cellular metabolic process	3.39E-11	173	<i>high centrosome aberrations</i> <i>NPM1 mutation</i>	<i>CEBPA mutation</i> <i>low centrosome aberrations</i> <i>poor prognosis</i> <i>t(15;17)</i>
positive regulation of cellular metabolic process	3.49E-11	40	<i>high centrosome aberrations</i> <i>inv(16)</i>	<i>low centrosome aberrations</i>
negative regulation of apoptosis	4.74E-11	30	<i>NPM1 mutation</i>	<i>poor prognosis</i>
negative regulation of programmed cell death	6.73E-11	30	<i>NPM1 mutation</i>	<i>poor prognosis</i>
regulation of gene expression	1.06E-09	162	<i>NPM1 mutation</i>	<i>abnormal cytogenetics</i> <i>CEBPA mutation</i> <i>poor prognosis</i> <i>t(15;17)</i>
protein modification process	1.29E-09	126	<i>CD34+CD38- fraction</i>	<i>CD34+CD38+ fraction</i>
transcription	1.82E-09	160	<i>NPM1 mutation</i>	<i>abnormal cytogenetics</i> <i>CEBPA mutation</i> <i>poor prognosis</i>
transcription, DNA-dependent	2.48E-09	148	<i>NPM1 mutation</i>	<i>abnormal cytogenetics</i> <i>CEBPA mutation</i> <i>poor prognosis</i>
RNA biosynthetic process	2.89E-09	148	<i>NPM1 mutation</i>	<i>abnormal cytogenetics</i> <i>CEBPA mutation</i> <i>poor prognosis</i>
post-translational protein modification	3.96E-09	109	<i>CD34+CD38- fraction</i>	<i>CD34+CD38+ fraction</i>
regulation of RNA metabolic process	4.58E-09	145		<i>abnormal cytogenetics</i> <i>CEBPA mutation</i> <i>poor prognosis</i>
regulation of transcription, DNA-dependent	6.53E-09	144		<i>abnormal cytogenetics</i> <i>CEBPA mutation</i> <i>poor prognosis</i>
positive regulation of transcription, DNA-dependent	6.58E-09	27		<i>poor prognosis</i>
positive regulation of RNA metabolic process	8.12E-09	27		<i>poor prognosis</i>
gene expression	9.88E-09	205	<i>abnormal cytogenetics</i>	<i>poor prognosis</i>
positive regulation of transcription	1.20E-08	30	<i>high centrosome aberrations</i>	<i>low centrosome aberrations</i> <i>poor prognosis</i>
anatomical structure morphogenesis	1.24E-08	57	<i>FLT3-ITD</i> <i>FLT3 mutation</i> <i>MLL fusion gene</i> <i>normal cytogenetics</i>	<i>poor prognosis</i> <i>t(15;17)</i> <i>t(8;21)</i>
regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	1.55E-08	154	<i>NPM1 mutation</i>	<i>abnormal cytogenetics</i> <i>CEBPA mutation</i> <i>poor prognosis</i>
positive regulation of developmental process	2.94E-08	33	<i>inv(16)</i> <i>MLL fusion gene</i>	<i>poor prognosis</i> <i>t(8;21)</i>
regulation of biological quality	2.96E-08	66	<i>FAB-M7</i> <i>MLL fusion gene</i> <i>t(8;14)</i>	<i>poor prognosis</i> <i>t(8;21)</i>
regulation of transcription	3.22E-08	151	<i>NPM1 mutation</i>	<i>abnormal cytogenetics</i> <i>CEBPA mutation</i> <i>poor prognosis</i>
positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	3.42E-08	30	<i>high centrosome aberrations</i> <i>inv(16)</i>	<i>low centrosome aberrations</i> <i>poor prognosis</i>

organ morphogenesis	2.86E-07	32	<i>inv(16)</i> <i>normal cytogenetics</i> <i>NPM1 mutation</i>	<i>poor prognosis</i> <i>t(8;21)</i>
mRNA metabolic process	5.21E-07	31		<i>poor prognosis</i>
multi-organism process	1.04E-06	29	<i>CD34+CD38+ fraction</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>NPM1 mutation</i>	<i>CD34+CD38- fraction</i> <i>poor prognosis</i>
macromolecule localization	1.27E-06	60	<i>MLL fusion gene</i>	<i>poor prognosis</i>
mRNA processing	4.26E-06	26		<i>poor prognosis</i>
hemopoietic or lymphoid organ development	6.90E-06	20	<i>inv(16)</i>	<i>NPM1 mutation</i> <i>poor prognosis</i>
protein localization	8.61E-06	56	<i>MLL fusion gene</i>	<i>poor prognosis</i>
ubiquitin cycle	8.72E-06	38		<i>poor prognosis</i>
hemopoiesis	1.16E-05	19	<i>inv(16)</i>	<i>NPM1 mutation</i> <i>poor prognosis</i>
regulation of cell proliferation	1.40E-05	34	<i>aneuploid</i> <i>CD34+CD38- fraction</i> <i>MLL fusion gene</i> <i>NPM1 mutation</i>	<i>CD34+CD38+ fraction</i> <i>euploid</i> <i>poor prognosis</i> <i>t(8;21)</i>
immune system development	1.66E-05	20	<i>inv(16)</i>	<i>poor prognosis</i>
negative regulation of transcription	1.68E-05	26	<i>poor prognosis</i>	
regulation of signal transduction	1.73E-05	48		<i>poor prognosis</i>
response to other organism	2.34E-05	21	<i>CD34+CD38+ fraction</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>NPM1 mutation</i>	<i>CD34+CD38- fraction</i> <i>poor prognosis</i>
localization	2.71E-05	169	<i>FAB-M7</i> <i>inv(16)</i> <i>MLL fusion gene</i>	<i>poor prognosis</i> <i>t(8;21)</i>
protein transport	2.92E-05	51	<i>MLL fusion gene</i>	<i>poor prognosis</i>
anti-apoptosis	3.48E-05	19	<i>NPM1 mutation</i>	<i>poor prognosis</i>
negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	3.69E-05	27	<i>poor prognosis</i>	
response to molecule of bacterial origin	4.08E-05	6	<i>NPM1 mutation</i>	<i>poor prognosis</i>
establishment of protein localization	6.24E-05	52	<i>MLL fusion gene</i>	<i>poor prognosis</i>
cellular localization	6.34E-05	60	<i>MLL fusion gene</i>	<i>poor prognosis</i>
localization of cell	9.26E-05	29	<i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>NPM1 mutation</i>	<i>CD34+CD38- fraction</i> <i>normal cytogenetics</i> <i>poor prognosis</i> <i>t(8;21)</i>
cell motility	9.26E-05	29	<i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>NPM1 mutation</i>	<i>CD34+CD38- fraction</i> <i>normal cytogenetics</i> <i>poor prognosis</i> <i>t(8;21)</i>
positive regulation of cell activation	1.40E-04	11	<i>NPM1 mutation</i>	
positive regulation of leukocyte activation	1.40E-04	11	<i>NPM1 mutation</i>	
response to biotic stimulus	1.50E-04	24	<i>CD34+CD38+ fraction</i> <i>NPM1 mutation</i>	<i>CD34+CD38- fraction</i> <i>poor prognosis</i>
RNA splicing	1.60E-04	21		<i>poor prognosis</i>
regulation of immune effector process	1.70E-04	8	<i>normal cytogenetics</i> <i>NPM1 mutation</i>	
response to hypoxia	1.80E-04	10		<i>poor prognosis</i>
response to external stimulus	1.90E-04	39	<i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>monocytic</i> <i>normal cytogenetics</i> <i>NPM1 mutation</i>	<i>CD34+CD38- fraction</i> <i>control</i> <i>del(7q)</i> <i>poor prognosis</i> <i>t(8;21)</i>

positive regulation of transcription from RNA polymerase II promoter	2.10E-04	16		<i>poor prognosis</i>
positive regulation of apoptosis	3.10E-04	22	<i>NPM1 mutation</i>	
regulation of mast cell cytokine production	3.80E-04	4	<i>inv(16) normal cytogenetics</i>	<i>t(8;21)</i>
positive regulation of programmed cell death	3.80E-04	22	<i>NPM1 mutation</i>	
mast cell cytokine production	3.80E-04	4	<i>inv(16) normal cytogenetics</i>	<i>t(8;21)</i>
enzyme linked receptor protein signaling pathway	4.10E-04	24		<i>poor prognosis</i>
protein targeting	4.20E-04	20		<i>poor prognosis</i>
positive regulation of signal transduction	4.20E-04	17	<i>MLL fusion gene NPM1 mutation</i>	<i>poor prognosis</i>
regulation of molecular function	5.20E-04	40	<i>aneuploid high centrosome aberrations</i>	<i>euploid low centrosome aberrations NPM1 mutation</i>
induction of apoptosis	7.10E-04	19	<i>NPM1 mutation</i>	
positive regulation of lymphocyte activation	7.10E-04	10	<i>NPM1 mutation</i>	
establishment of cellular localization	7.50E-04	56	<i>MLL fusion gene</i>	<i>poor prognosis</i>
induction of programmed cell death	7.60E-04	19	<i>NPM1 mutation</i>	
cytokine production	8.30E-04	14	<i>CD34+CD38+ fraction FAB-M4 FAB-M5 inv(16) NPM1 mutation</i>	<i>CD34+CD38- fraction t(8;21)</i>
mRNA transport	9.50E-04	12		<i>poor prognosis</i>
regulation of production of molecular mediator of immune response	1.04E-03	5	<i>normal cytogenetics NPM1 mutation</i>	
regulation of cytokine production during immune response	1.04E-03	5	<i>normal cytogenetics NPM1 mutation</i>	
homeostasis of number of cells	1.13E-03	9		
positive regulation of T cell activation	1.13E-03	9	<i>NPM1 mutation</i>	
cell activation	1.18E-03	19	<i>inv(16) NPM1 mutation</i>	<i>t(8;21)</i>
nuclear transport	1.26E-03	16		<i>poor prognosis</i>
regulation of cell activation	1.57E-03	12	<i>inv(16) NPM1 mutation</i>	<i>t(8;21)</i>
regulation of leukocyte activation	1.57E-03	12	<i>inv(16) NPM1 mutation</i>	<i>t(8;21)</i>
defense response	1.58E-03	35	<i>11q23 CD34+CD38+ fraction inv(16) MLL fusion gene monocytic normal cytogenetics</i>	<i>CD34+CD38- fraction poor prognosis t(8;21)</i>
response to endogenous stimulus	1.87E-03	33	<i>abnormal cytogenetics aneuploid high centrosome aberrations</i>	<i>euploid low centrosome aberrations poor prognosis</i>
peptidyl-amino acid modification	2.07E-03	14		
blood vessel development	2.46E-03	16	<i>inv(16) NPM1 mutation</i>	<i>MLL fusion gene t(8;21)</i>
regulation of immune system process	2.46E-03	16	<i>inv(16) NPM1 mutation</i>	<i>t(8;21)</i>
positive regulation of immune system process	3.02E-03	14	<i>inv(16) NPM1 mutation</i>	<i>t(8;21)</i>
regulation of T cell activation	3.06E-03	10	<i>NPM1 mutation</i>	
vasculature development	3.12E-03	16	<i>inv(16) NPM1 mutation</i>	<i>MLL fusion gene t(8;21)</i>
nucleic acid transport	3.18E-03	12		
RNA transport	3.18E-03	12		

establishment of RNA localization	3.18E-03	12		
response to wounding	3.42E-03	28	<i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>monocytic</i> <i>normal cytogenetics</i> <i>NPM1 mutation</i>	<i>CD34+CD38- fraction</i> <i>control</i> <i>poor prognosis</i> <i>t(8;21)</i>
protein import into nucleus	3.55E-03	12		
RNA localization	3.55E-03	12		
T cell activation	3.55E-03	12	<i>inv(16)</i>	
response to chemical stimulus	3.92E-03	34	<i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>normal cytogenetics</i> <i>NPM1 mutation</i>	<i>11q23</i> <i>CD34+CD38- fraction</i> <i>poor prognosis</i> <i>t(8;21)</i>
regulation of multicellular organismal process	4.18E-03	23	<i>FAB-M7</i> <i>inv(16)</i> <i>NPM1 mutation</i>	<i>t(8;21)</i>
regulation of response to stimulus	4.42E-03	15	<i>NPM1 mutation</i>	<i>t(8;21)</i>
nuclear import	4.43E-03	12		
leukocyte mediated immunity	4.56E-03	11	<i>inv(16)</i> <i>normal cytogenetics</i> <i>NPM1 mutation</i>	<i>t(8;21)</i>
immune response-regulating cell surface receptor signaling pathway	4.92E-03	7		
intracellular transport	5.14E-03	47		<i>poor prognosis</i>
negative regulation of cell cycle	5.19E-03	14		
nucleocytoplasmic transport	5.20E-03	15		
nervous system development	5.45E-03	38	<i>CD34+CD38- fraction</i>	<i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>NPM1 mutation</i> <i>poor prognosis</i>
I-kappaB kinase/NF-kappaB cascade	5.66E-03	14	<i>MLL fusion gene</i> <i>NPM1 mutation</i>	<i>poor prognosis</i>
regulation of catalytic activity	5.96E-03	35	<i>aneuploid</i> <i>high centrosome aberrations</i>	<i>euploid</i> <i>low centrosome aberrations</i> <i>NPM1 mutation</i>
regulation of cell differentiation	6.60E-03	15	<i>NPM1 mutation</i>	
response to abiotic stimulus	6.64E-03	16		
regulation of cytokine production	6.75E-03	8	<i>normal cytogenetics</i> <i>NPM1 mutation</i>	
RNA processing	7.00E-03	31		
immune response-regulating signal transduction	7.95E-03	7		<i>poor prognosis</i>

Molecular Functions

binding	1.20E-14	619	<i>aneuploid</i> <i>CD34+CD38+ fraction</i> <i>inv(16)</i> <i>normal cytogenetics</i>	<i>CD34+CD38- fraction</i> <i>euploid</i> <i>t(8;21)</i>
transcription factor binding	1.65E-14	45	<i>NPM1 mutation</i>	<i>poor prognosis</i>
transcription activator activity	2.40E-12	36	<i>inv(16)</i> <i>NPM1 mutation</i>	<i>poor prognosis</i> <i>t(8;21)</i>
transcription cofactor activity	3.09E-11	34		<i>poor prognosis</i>
RNA binding	1.42E-09	62		<i>poor prognosis</i>
transcription coactivator activity	1.44E-09	25	<i>inv(16)</i>	<i>poor prognosis</i> <i>t(8;21)</i>
transcription regulator activity	6.81E-09	103	<i>NPM1 mutation</i>	<i>abnormal cytogenetics</i> <i>control</i> <i>MLL fusion gene</i> <i>poor prognosis</i> <i>t(15;17)</i>
DNA binding	5.13E-07	141	<i>NPM1 mutation</i>	<i>abnormal cytogenetics</i> <i>poor prognosis</i>
transcription repressor activity	3.28E-06	22		<i>poor prognosis</i>
enzyme binding	2.86E-05	25		<i>poor prognosis</i>

receptor signaling protein activity	9.93E-05	18	<i>MLL fusion gene</i>	<i>poor prognosis</i>
nucleic acid binding	1.90E-03	203		<i>abnormal cytogenetics</i>
RNA polymerase II transcription factor activity	2.58E-03	21		
protein serine/threonine kinase activity	2.63E-03	37	<i>aneuploid</i>	<i>euploid</i> <i>poor prognosis</i>
nuclear hormone receptor binding	2.86E-03	9		
hormone receptor binding	3.31E-03	9		
molecular adaptor activity	4.41E-03	9		<i>poor prognosis</i>
protein dimerization activity	5.74E-03	24	<i>CD34+CD38+ fraction</i>	<i>CD34+CD38- fraction</i>
metal ion binding	6.20E-03	212		
transcription factor activity	7.24E-03	63	<i>NPM1 mutation</i>	<i>abnormal cytogenetics control</i> <i>MLL fusion gene t(15;17)</i>

Cellular Components

nucleoplasm part	7.90E-13	45		
nuclear body	5.45E-10	20		<i>poor prognosis</i>
nuclear speck	2.21E-08	16		<i>poor prognosis</i>
Golgi apparatus	9.93E-06	43	<i>inv(16)</i> <i>MLL fusion gene</i>	<i>poor prognosis</i> <i>t(8;21)</i>
endomembrane system	3.52E-05	54	<i>CEBPA silenced</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>NPM1 mutation</i>	<i>CEBPA mutation</i> <i>poor prognosis</i> <i>t(8;21)</i>
lysosome	8.17E-05	19	<i>CD34+CD38+ fraction</i> <i>CEBPA mutation</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>monocytic</i>	<i>CD34+CD38- fraction</i> <i>CEBPA silenced</i> <i>poor prognosis</i> <i>t(8;21)</i>
lytic vacuole	1.00E-04	19	<i>CD34+CD38+ fraction</i> <i>CEBPA mutation</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>monocytic</i>	<i>CD34+CD38- fraction</i> <i>CEBPA silenced</i> <i>poor prognosis</i> <i>t(8;21)</i>
vacuole	1.80E-04	20	<i>CD34+CD38+ fraction</i> <i>CEBPA mutation</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>inv(16)</i> <i>MLL fusion gene</i> <i>monocytic</i>	<i>CD34+CD38- fraction</i> <i>CEBPA silenced</i> <i>poor prognosis</i> <i>t(8;21)</i>
cellular_component	1.13E-03	40		<i>poor prognosis</i>
intrinsic to plasma membrane	1.19E-03	59	<i>CBF</i> <i>CD34+CD38+ fraction</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>FAB-M7</i> <i>inv(16)</i> <i>monocytic</i>	<i>CD34+CD38- fraction</i> <i>t(15;17)</i>
integral to plasma membrane	1.67E-03	58	<i>CBF</i> <i>CD34+CD38+ fraction</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>FAB-M7</i> <i>inv(16)</i> <i>monocytic</i>	<i>CD34+CD38- fraction</i>
endosome	6.26E-03	16	<i>MLL fusion gene</i>	<i>poor prognosis</i>

plasma membrane	6.87E-03	129	<i>11q23</i> <i>CBF</i> <i>CD34+CD38+ fraction</i> <i>CEBPA silenced</i> <i>control</i> <i>FAB-M4</i> <i>FAB-M5</i> <i>FAB-M7</i> <i>inv(16)</i> <i>monocytic</i>	<i>CD34+CD38- fraction</i> <i>CEBPA mutation</i> <i>t(15;17)</i>
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Significantly over-represented functional gene ontology (GO) categories of up-regulated genes associated with good prognosis are presented here. GO categories that are also over-represented in down-regulated genes associated with good prognosis 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.