

Table S2. List of cancer gene transcripts that had up or down regulated expression in two tumor samples compared to their normal controls

Notes : Fold change >= 1.0

ProbeName	Fold change([TUMOR] vs [COI Regulation][TUMOR] vs [Common name	GeneSymbol	GenbankAccession	Description
A_52_P340074	1.8099836 down	AK152535	Abcb7	AK152535	Mus musculus bone marrow macrophage cDNA, RIKEN full-length enriched library, clone:ib3007815 product:ATP-binding cassette, sub-family B (MDR/TAP), member 7, full insert sequence. [AK152535]
A_52_P360650	2.453843 down	XM_007304	Abcb7	XM_007304	PREDICTED: Mus musculus ATP-binding cassette, sub-family B (MDR/TAP), member 7, transcript variant 5 (Abcb7), mRNA [NM_007304]
A_52_P363556	4.2834387 up	NM_198127	Abi2	NM_198127	Mus musculus abi-interactor 2 (Abi2), mRNA [NM_198127]
A_52_P530042	4.517351 up	NM_198127	Abi2	NM_198127	Mus musculus abi-interactor 2 (Abi2), mRNA [NM_198127]
A_52_P141338	1.2804152 down	NM_022819	Acot10	NM_022819	Mus musculus acyl-CoA thioesterase 10 (Acot10), mRNA [NM_022819]
A_52_P392674	1.1627663 down	NM_019736	Acot9	NM_019736	Mus musculus acyl-CoA thioesterase 9 (Acot9), mRNA [NM_019736]
A_52_P664656	1.7672709 down	NM_007396	Acrv2a	NM_007396	Mus musculus activin receptor IIA (Acrv2a), mRNA [NM_007396]
A_52_P575854	2.2381537 down	NM_007396	Acrv2a	NM_007396	Mus musculus activin receptor IIA (Acrv2a), mRNA [NM_007396]
A_51_P148290	4.214034 up	NM_172875	Adc	NM_172875	Mus musculus arginine decarboxylase (Adc), mRNA [NM_172875]
A_51_P428555	7.612395 down	NM_007409	Adh1	NM_007409	Mus musculus alcohol dehydrogenase 1 (class I) (Adh1), mRNA [NM_007409]
A_52_P629895	7.6195116 down	NM_007409	Adh1	NM_007409	Mus musculus alcohol dehydrogenase 1 (class I) (Adh1), mRNA [NM_007409]
A_51_P342567	6.9533815 up	NM_031185	Akap12	NM_031185	Mus musculus A kinase (PKA) anchor protein (gravin) 12 (Akap12), mRNA [NM_031185]
A_51_P359272	9.003699 down	NM_009655	Alcam	NM_009655	Mus musculus activated leukocyte cell adhesion molecule (Alcam), mRNA [NM_009655]
A_51_P429681	1.7780472 up	AK033397	Apbb2	AK033397	Mus musculus 16 days embryo lung cDNA, RIKEN full-length enriched library, clone:8430429117 product:unclassified, full insert sequence. [AK033397]
A_51_P149562	1.9322677 up	NM_009686	Apbb2	NM_009686	Mus musculus amyloid beta 1(A4) precursor protein-binding, family 8, member 2 (Apbb2), mRNA [NM_009686]
A_52_P555603	3.4982803 up	AK032770	Apbb2	AK032770	Mus musculus 12 days embryo male wolffian duct includes surrounding region cDNA, RIKEN full-length enriched library, clone:6720431015 product:amyloid beta (A4) precursor protein-binding, family 8, member 2, full insert sequence. [AK032770]
A_51_P223946	1.6330367 up	AK122414	Aprin	AK122414	Mus musculus mRNA for mitogen-activated protein kinase [AK122414]
A_52_P24783	2.1686547 up	NM_175310	Aprin	NM_175310	Mus musculus androgen-induced proliferation inhibitor (Aprin), mRNA [NM_175310]
A_52_P617762	2.0554051 down	AK039081	Arhgap5	AK039081	Mus musculus adult male hypothalamus cDNA, RIKEN full-length enriched library, clone:A230093124 product:unclassified, full insert sequence. [AK039081]
A_52_P260864	2.4404852 down	NM_009706	Arhgap5	NM_009706	Mus musculus Rho GTPase activating protein 5 (Arhgap5), mRNA [NM_009706]
A_52_P551909	2.6211565 down	NM_009706	Arhgap5	NM_009706	Mus musculus Rho GTPase activating protein 5 (Arhgap5), mRNA [NM_009706]
A_51_P614762	1.5588276 down	AK029400	Bad	AK029400	Mus musculus 0 day neonate head cDNA, RIKEN full-length enriched library, clone:4833429M11 product:Bcl-associated death promoter, full insert sequence. [AK029400]
A_51_P419364	2.6857738 down	NM_007522	Bad	NM_007522	Mus musculus Bcl-associated death promoter (Bad), mRNA [NM_007522]
A_51_P106263	2.1901217 up	NM_133926	Camk1	NM_133926	Mus musculus calcium/calmodulin-dependent protein kinase 1 (Camk1), mRNA [NM_133926]
A_51_P106259	2.258415 up	NM_133926	Camk1	NM_133926	Mus musculus calcium/calmodulin-dependent protein kinase 1 (Camk1), mRNA [NM_133926]
A_51_P262766	3.800415 up	S78355	Cnd1	S78355	Cyt-1-cyclin D1 (mice, BALB/c, brain, mRNA, 3737 nt), [S78355]
A_51_P248666	3.0001664 up	NM_021893	Cd274	NM_021893	Mus musculus CD274 antigen (Cd274), mRNA [NM_021893]
A_51_P375146	2.9806201 down	NM_007643	Cd36	NM_007643	Mus musculus CD36 antigen (Cd36), mRNA [NM_007643]
A_51_P375138	3.2577126 down	L23108	Cd36	L23108	Mus musculus CD36 antigen mRNA, complete cds. [L23108]
A_52_P683146	1.129669 up	NM_009866	Cdh11	NM_009866	Mus musculus cadherin 11 (Cdh11), mRNA [NM_009866]
A_52_P437795	6.037858 up	NM_009866	Cdh11	NM_009866	Mus musculus cadherin 11 (Cdh11), mRNA [NM_009866]
A_51_P506204	7.4964786 up	NM_009866	Cdh11	NM_009866	Mus musculus cadherin 11 (Cdh11), mRNA [NM_009866]
A_51_P193563	1.2164589 down	NM_009874	Cdk7	NM_009874	Mus musculus cyclin-dependent kinase 7 (homolog of Xenopus MO15 cdk-activating kinase) (Cdk7), mRNA [NM_009874]
A_52_P258991	2.0637655 down	AK145759	Cdk7	AK145759	Mus musculus blastocyst blastocyst cDNA, RIKEN full-length enriched library, clone:IC0038111 product:cyclin-dependent kinase 7 (homolog of Xenopus MO15 cdk-activating kinase), full insert sequence [AK145759]
A_51_P513719	2.98359 up	NM_007671	Cdk2c	NM_007671	Mus musculus cyclin-dependent kinase 2C (p18, inhibits CDK4) (Cdk2c), mRNA [NM_007671]
A_51_P313720	3.0137582 up	U15092c	Cdk2c	U15092c	Mus musculus CDK4 and Cdk6 inhibitor protein mRNA, complete cds. [U15092c]
A_51_P244663	2.4548311 up	NM_020008	Clec7a	NM_020008	Mus musculus C-type lectin domain family 7, member A (Clec7a), mRNA [NM_020008]
A_52_P216436	1.6547683 down	NM_031163	Col2a1	NM_031163	Mus musculus procollagen, type II, alpha 1 (Col2a1), mRNA [NM_031163]
A_51_P317141	6.2127233 up	NM_031163	Col2a1	NM_031163	Mus musculus procollagen, type II, alpha 1 (Col2a1), mRNA [NM_031163]
A_51_P493234	12.867895 up	NM_007752	Cp	NM_007752	Mus musculus ceruloplasmin (Cp), transcript variant 2, mRNA [NM_007752]
A_51_P111762	2.3400002 down	NM_011804	Creg1	NM_011804	Mus musculus cellular repressor of E1A-stimulated genes 1 (Creg1), mRNA [NM_011804]
A_52_P340789	2.454221 down	NM_011804	Creg1	NM_011804	Mus musculus cellular repressor of E1A-stimulated genes 1 (Creg1), mRNA [NM_011804]
A_52_P155708	3.8975482 down	NM_011804	Creg1	NM_011804	Mus musculus cellular repressor of E1A-stimulated genes 1 (Creg1), mRNA [NM_011804]
A_52_P542419	2.378108 up	NM_013767	Csnk1e	NM_013767	Mus musculus casein kinase 1, epsilon (Csnk1e), mRNA [NM_013767]
A_51_P429197	2.4807916 up	NM_013767	Csnk1e	NM_013767	Mus musculus casein kinase 1, epsilon (Csnk1e), mRNA [NM_013767]
A_51_P363187	23.046015 up	NM_008176	Cxcl1	NM_008176	Mus musculus chemokine (C-X-C motif) ligand 1 (Cxcl1), mRNA [NM_008176]
A_51_P252859	8.381687 up	NM_010516	Cy61	NM_010516	Mus musculus cysteine rich protein 61 (Cy61), mRNA [NM_010516]
A_51_P123895	6.5943394 up	NM_053078	DOH45114	NM_053078	Mus musculus DNA segment, human D4S114 (DOH45114), mRNA [NM_053078]
A_52_P301821	6.656651 up	NM_053078	DOH45114	NM_053078	Mus musculus DNA segment, human D4S114 (DOH45114), mRNA [NM_053078]
A_51_P120636	3.176658 up	NM_007891	E2f1	NM_007891	Mus musculus E2F transcription factor 1 (E2f1), mRNA [NM_007891]
A_52_P587611	3.7846649 up	NM_007891	E2f1	NM_007891	Mus musculus E2F transcription factor 1 (E2f1), mRNA [NM_007891]
A_51_P499871	2.5193021 up	L20334	Edg5	L20334	Mouse EDG-like receptor mRNA, partial cds. [L20334]
A_51_P499871	6.7542095 up	NM_010333	Edg5	NM_010333	Mus musculus endothelial differentiation, sphingolipid G-protein-coupled receptor, 5 (Edg5), mRNA [NM_010333]
A_52_P604613	6.415614 up	NM_010333	Edg5	NM_010333	Mus musculus endothelial differentiation, sphingolipid G-protein-coupled receptor, 5 (Edg5), mRNA [NM_010333]
A_51_P320354	3.1780504 up	NM_010155	Erf1	NM_010155	Mus musculus Ets2 regulator factor 1 (Erf1), mRNA [NM_010155]
A_51_P224102	2.3398597 down	NM_011935	Esr3	NM_011935	Mus musculus estrogen-related receptor gamma (Esr3), mRNA [NM_011935]
A_52_P317246	76.70423 down	NM_011935	Esr3	NM_011935	Mus musculus estrogen-related receptor gamma (Esr3), mRNA [NM_011935]
A_52_P194250	7.0206957 up	NM_011808	Ets1	NM_011808	Mus musculus E26 avian leukemia oncogene 1, 5' domain (Ets1), transcript variant 1, mRNA [NM_011808]
A_52_P232830	7.1453555 up	NM_011808	Ets1	NM_011808	Mus musculus E26 avian leukemia oncogene 1, 5' domain (Ets1), transcript variant 1, mRNA [NM_011808]
A_51_P329043	7.3364906 up	X55787	Ets1	X55787	Mus musculus c-ets-1 gene. [X55787]
A_52_P250291	9.294166 up	NM_011808	Ets1	NM_011808	Mus musculus E26 avian leukemia oncogene 1, 5' domain (Ets1), transcript variant 1, mRNA [NM_011808]
A_51_P490311	23.250677 down	NM_010168	F2r	NM_010168	Mus musculus coagulation factor II (F2), mRNA [NM_010168]
A_52_P344290	4.809881 up	NM_010169	F2r	NM_010169	Mus musculus coagulation factor II (thrombin) receptor (F2r), mRNA [NM_010169]
A_52_P278336	5.3344594 up	NM_011812	Fbn5	NM_011812	Mus musculus fibulin 5 (Fbn5), mRNA [NM_011812]
A_52_P288050	5.8763804 up	AK084895	Fbn5	AK084895	Mus musculus 13 days embryo lung cDNA, RIKEN full-length enriched library, clone:d430006M14 product:fibulin 5, full insert sequence. [AK084895]
A_51_P282179	2.6078815 down	NM_020009	Frsp1	NM_020009	Mus musculus FK506 binding protein 12-rapamycin associated protein 1 (Frsp1), mRNA [NM_020009]
A_52_P67643	3.452959 down	BC043920	Frsp1	BC043920	Mus musculus FK506 binding protein 12-rapamycin associated protein 1, mRNA (cDNA clone IMAGE5064192), complete cds. [BC043920]
A_51_P441798	6.143435 down	X16314	Glu	X16314	Mus musculus mRNA for glutamine synthetase. [X16314]
A_52_P101279	8.605247 down	NM_008131	Glu	NM_008131	Mus musculus glutamate-ammonia ligase (glutamine synthetase) (Glu), mRNA [NM_008131]
A_52_P143866	9.359642 down	NM_008131	Glu	NM_008131	Mus musculus glutamate-ammonia ligase (glutamine synthetase) (Glu), mRNA [NM_008131]
A_51_P498004	2.1664174 down	NM_010301	Gria11	NM_010301	Mus musculus guanine nucleotide binding protein, alpha 11 (Gria11), mRNA [NM_010301]
A_52_P366932	2.2694962 down	NM_010301	Gria11	NM_010301	Mus musculus guanine nucleotide binding protein, alpha 11 (Gria11), mRNA [NM_010301]
A_51_P275623	4.711687 down	NM_015828	Gne	NM_015828	Mus musculus glucosaminase (Gne), mRNA [NM_015828]
A_52_P37593	4.7818285 down	NM_015828	Gne	NM_015828	Mus musculus glucosaminase (Gne), mRNA [NM_015828]
A_52_P189099	8.8575535 down	AK033507	Gne	AK033507	Mus musculus adult male colon cDNA, RIKEN full-length enriched library, clone:9030414E18 product:UDP-N-acetylglucosamine-2-epimerase [AK033507]
A_52_P45841	2.8249576 down	NM_028976	Gorasp1	NM_028976	Mus musculus golgi reassembly stacking protein 1 (Gorasp1), mRNA [NM_028976]
A_52_P68221	5.018613 up	NM_016886	Gria3	NM_016886	Mus musculus glutamate receptor, ionotropic, AMPA3 (alpha 3) (Gria3), mRNA [NM_016886]
A_52_P179309	5.3627505 up	NM_016886	Gria3	NM_016886	Mus musculus glutamate receptor, ionotropic, AMPA3 (alpha 3) (Gria3), mRNA [NM_016886]
A_52_P272364	6.907053 up	AK161163	Gria3	AK161163	Mus musculus 0 day neonate head cDNA, RIKEN full-length enriched library, clone:483140116 product:glutamate receptor, ionotropic, AMPA3 (alpha 3), full insert sequence. [AK161163]
A_51_P112223	4.4080848 down	NM_010357	Gria3	NM_010357	Mus musculus glutamate receptor, ionotropic, alpha 3 (Gria3), mRNA [NM_010357]
A_52_P466741	1.1672565 down	NM_011826	Hax1	NM_011826	Mus musculus HCLS1 associated X-1 (Hax1), mRNA [NM_011826]
A_51_P437697	1.3066484 down	NM_011826	Hax1	NM_011826	Mus musculus HCLS1 associated X-1 (Hax1), mRNA [NM_011826]
A_52_P572818	2.070577 down	AF023483	Hax1	AF023483	Mus musculus HS-1-associating protein HAX-1 (mHAX-1) pseudogene mRNA, complete sequence. [AF023483]
A_52_P29583	1.191088 down	AK016742	Hpk2	AK016742	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4933408M17 product:homeodomain interacting protein kinase 2, full insert sequence. [AK016742]
A_51_P318292	1.8150687 down	NM_010433	Hpk2	NM_010433	Mus musculus homeodomain interacting protein kinase 2 (Hpk2), mRNA [NM_010433]
A_52_P504845	1.8751788 down	NM_010433	Hpk2	NM_010433	Mus musculus homeodomain interacting protein kinase 2 (Hpk2), mRNA [NM_010433]
A_51_P215316	2.2076242 down	AK037318	Hpk2	AK037318	Mus musculus 18-day embryo whole body cDNA, RIKEN full-length enriched library, clone:1110014C20 product:unclassified, full insert sequence. [AK037318]
A_51_P517182	1.3813775 down	AK052657	Hrasl3	AK052657	Mus musculus adult male kidney cDNA, RIKEN full-length enriched library, clone:DG30015C01 product:HRV 107 PROTEIN homolog (Rattus norvegicus), full insert sequence. [AK052657]
A_52_P154800	3.2264626 down	NM_139269	Hrasl3	NM_139269	Mus musculus HRAS like suppressor 3 (Hrasl3), mRNA [NM_139269]
A_52_P90363	2.305422 down	NM_029803	Il27	NM_029803	Mus musculus interferon, alpha-inducible protein 27 (Il27), mRNA [NM_029803]
A_51_P358233	2.4438343 down	AK010014	Il27	AK010014	Mus musculus adult male tongue cDNA, RIKEN full-length enriched library, clone:2310061N23 product:similar to ALPHA-INTERFERON INDUCIBLE PROTEIN (FRAGMENT) [Mesocricetus auratus], full insert sequence. [AK010014]
A_52_P90364	7.517165 down	NM_029803	Il27	NM_029803	Mus musculus interferon, alpha-inducible protein 27 (Il27), mRNA [NM_029803]
A_51_P490305	5.010123 down	NM_023065	Il30	NM_023065	Mus musculus interferon gamma inducible protein 30 (Il30), mRNA [NM_023065]
A_52_P15461	2.1396448 down	NM_008357	Il15	NM_008357	Mus musculus interleukin 15 (Il15), mRNA [NM_008357]
A_52_P383066	2.6090174 down	AB022307	Il15	AB022307	Mus musculus mRNA for shorter isoform of interleukin 15, partial cds. [AB022307]
A_51_P239750	15.527142 up	NM_008380	Inhba	NM_008380	Mus musculus inhibin beta-A (Inhba), mRNA [NM_008380]

A_52_0549279	1.7002345	down	NM_172944	Igtae	NM_172944	Mus musculus integrin, alpha E, epithelial-associated (Igtae), transcript variant 2, mRNA [NM_172944]
A_51_0352076	2.2181423	down	NM_008399	Igtae	NM_008399	Mus musculus integrin, alpha E, epithelial-associated (Igtae), transcript variant 2, mRNA [NM_008399]
A_51_0425680	3.261504	down	NM_019826	Ivd	NM_019826	Mus musculus isovaleryl coenzyme A dehydrogenase (Ivd), mRNA [NM_019826]
A_52_0550069	3.5622003	down	NM_019826	Ivd	NM_019826	Mus musculus isovaleryl coenzyme A dehydrogenase (Ivd), mRNA [NM_019826]
A_51_0319410	5.449637	up	NM_008478	L1cam	NM_008478	Mus musculus L1 cell adhesion molecule (L1cam), mRNA [NM_008478]
A_51_0465281	5.0744843	up	NM_008495	Lgals1	NM_008495	Mus musculus lectin, galactose binding, soluble 1 (Lgals1), mRNA [NM_008495]
A_52_0480351	8.826755	up	XM_985144	Lox12	XM_985144	PREDICTED: Mus musculus lysyl oxidase-like 2 (Lox12), mRNA [XM_985144]
A_51_0275949	9.040233	up	NM_033325	Lox12	NM_033325	Mus musculus lysyl oxidase-like 2 (Lox12), mRNA [NM_033325]
A_52_0189946	2.759351	up	NM_019199	Ltbp1	NM_019199	Mus musculus latent transforming growth factor beta binding protein 1 (Ltbp1), transcript variant 1, mRNA [NM_019199]
A_51_0281716	5.700854	up	NM_019199	Ltbp1	NM_019199	Mus musculus latent transforming growth factor beta binding protein 1 (Ltbp1), transcript variant 1, mRNA [NM_019199]
A_51_0257457	3.849494	up	NM_013589	Ltbp2	NM_013589	Mus musculus latent transforming growth factor beta binding protein 2 (Ltbp2), mRNA [NM_013589]
A_52_0425632	2.562844	down	NM_025649	Mad21bp	NM_025649	Mus musculus MAD2L1 binding protein (Mad21bp), mRNA [NM_025649]
A_51_0246270	6.409573	up	NM_008597	Mgp	NM_008597	Mus musculus matrix Gla protein (Mgp), mRNA [NM_008597]
A_52_0415168	30.265642	down	NM_019394	Mia1	NM_019394	Mus musculus melanoma inhibitory activity 1 (Mia1), mRNA [NM_019394]
A_52_0415167	31.490252	down	NM_019394	Mia1	NM_019394	Mus musculus melanoma inhibitory activity 1 (Mia1), mRNA [NM_019394]
A_52_0174346	31.516293	down	NM_019394	Mia1	NM_019394	Mus musculus melanoma inhibitory activity 1 (Mia1), mRNA [NM_019394]
A_51_0216303	6.9670506	up	NM_008608	Mmp14	NM_008608	Mus musculus matrix metalloproteinase 14 (membrane-inserted) (Mmp14), mRNA [NM_008608]
A_52_0304128	9.432858	up	NM_008608	Mmp14	NM_008608	Mus musculus matrix metalloproteinase 14 (membrane-inserted) (Mmp14), mRNA [NM_008608]
A_52_0127130	8.683262	up	NM_031195	Msr1	NM_031195	Mus musculus macrophage scavenger receptor 1 (Msr1), mRNA [NM_031195]
A_51_0404846	9.584209	up	NM_031195	Msr1	NM_031195	Mus musculus macrophage scavenger receptor 1 (Msr1), mRNA [NM_031195]
A_52_0607128	9.630034	up	NM_031195	Msr1	NM_031195	Mus musculus macrophage scavenger receptor 1 (Msr1), mRNA [NM_031195]
A_52_0320971	2.598462	down	NM_013603	M3	NM_013603	Mus musculus metallothionein 3 (M3), mRNA [NM_013603]
A_51_0303823	2.1514068	down	NM_013752	Nbn	NM_013752	Mus musculus nibrin (Nbn), mRNA [NM_013752]
A_52_0298548	2.3453636	down	NM_013752	Nbn	NM_013752	Mus musculus nibrin (Nbn), mRNA [NM_013752]
A_52_0860172	2.933912	down	AK085134	Nbn	AK085134	Mus musculus 13 days embryo lung cDNA, RIKEN full-length enriched library, clone:D430042D16 product:unclassified, full insert sequence. [AK085134]
A_52_0907073	2.0523741	down	AK019159	Neo1	AK019159	Mus musculus 10 days embryo whole body cDNA, RIKEN full-length enriched library, clone:2610028H22 product:unclassified, full insert sequence. [AK019159]
A_51_0476728	2.1847363	down	NM_008684	Neo1	NM_008684	Mus musculus neogenin (Neo1), transcript variant 1, mRNA [NM_008684]
A_52_0290003	2.804242	down	NM_008684	Neo1	NM_008684	Mus musculus neogenin (Neo1), transcript variant 1, mRNA [NM_008684]
A_51_0452323	7.772345	up	NM_016701	Nes	NM_016701	Mus musculus nestin (Nes), mRNA [NM_016701]
A_51_0460143	10.083625	down	NM_015750	Neu2	NM_015750	Mus musculus neuraminidase 2 (Neu2), mRNA [NM_015750]
A_52_0183088	2.1586757	up	NM_008714	Notch1	NM_008714	Mus musculus Notch gene homolog 1 (Drosophila) (Notch1), mRNA [NM_008714]
A_51_0508510	2.2233179	up	Z11886	Notch1	Z11886	M.musculus notch-1 mRNA. [Z11886]
A_52_0225912	3.6903982	up	NM_130866	Olfir78	NM_130866	Mus musculus olfactory receptor 78 (Olfir78), mRNA [NM_130866]
A_52_0495729	2.6905644	up	NM_011019	Osmr	NM_011019	Mus musculus oncostatin M receptor (Osmr), mRNA [NM_011019]
A_51_0319460	2.7220554	up	NM_011019	Osmr	NM_011019	Mus musculus oncostatin M receptor (Osmr), mRNA [NM_011019]
A_52_0370274	7.3907814	up	AK171700	Pde4b	AK171700	Mus musculus activated spleen cDNA, RIKEN full-length enriched library, clone:F83000509 product:phosphodiesterase 4b, cAMP specific, full insert sequence. [AK171700]
A_52_0423247	8.59967	up	NM_019840	Pde4b	NM_019840	Mus musculus phosphodiesterase 4b, cAMP specific (Pde4b), mRNA [NM_019840]
A_51_0512340	9.169716	up	NM_019840	Pde4b	NM_019840	Mus musculus phosphodiesterase 4b, cAMP specific (Pde4b), mRNA [NM_019840]
A_51_0224311	5.4113717	down	NM_022318	Popdc2	NM_022318	Mus musculus popeye domain containing 2 (Popdc2), transcript variant 2, mRNA [NM_022318]
A_52_027332	1.1177047	down	NM_012023	Ppp2r5c	NM_012023	Mus musculus protein phosphatase 2, regulatory subunit B (B56), gamma isoform (Ppp2r5c), transcript variant 1, mRNA [NM_012023]
A_51_0320523	2.1761737	down	NM_012023	Ppp2r5c	NM_012023	Mus musculus protein phosphatase 2, regulatory subunit B (B56), gamma isoform (Ppp2r5c), transcript variant 1, mRNA [NM_012023]
A_52_0166952	2.2764115	down	NM_001081458	Ppp2r5c	NM_001081458	Mus musculus protein phosphatase 2, regulatory subunit B (B56), gamma isoform (Ppp2r5c), transcript variant 3, mRNA [NM_001081458]
A_52_094495	1.2268181	up	AK050059	Prkcn	AK050059	Mus musculus adult male liver tumor cDNA, RIKEN full-length enriched library, clone:C73000023 product:weakly similar to PROTEIN KINASE C BETA (FRAGMENT) [Homo sapiens], full insert sequence. [AK050059]
A_51_0413965	1.645991	up	DV056587	Prkcn	DV056587	DLPO1_18_M21.x2 FH DLPO1 Mus musculus cDNA clone DLPO1_18_M21 similar to Protein Kinase C nu, mRNA sequence [DV056587]
A_51_0106397	1.9773166	up	NM_029239	Prkcn	NM_029239	Mus musculus protein kinase C, nu (Prkcn), mRNA [NM_029239]
A_52_0669996	2.161055	up	NM_029239	Prkcn	NM_029239	Mus musculus protein kinase C, nu (Prkcn), mRNA [NM_029239]
A_52_01012802	2.893061	up	NM_008982	Ptpjr	NM_008982	Mus musculus protein tyrosine phosphatase, receptor type, j (Ptpjr), mRNA [NM_008982]
A_52_019161	3.9330317	up	NM_008982	Ptpjr	NM_008982	Mus musculus protein tyrosine phosphatase, receptor type, j (Ptpjr), mRNA [NM_008982]
A_52_0162687	1.121824	up	NM_027514	Pvr	NM_027514	Mus musculus poliovirus receptor (Pvr), mRNA [NM_027514]
A_52_0162695	1.7960799	up	NM_027514	Pvr	NM_027514	Mus musculus poliovirus receptor (Pvr), mRNA [NM_027514]
A_52_0628590	1.9556673	up	NM_027514	Pvr	NM_027514	Mus musculus poliovirus receptor (Pvr), mRNA [NM_027514]
A_51_0237097	2.0245855	up	NM_027514	Pvr	NM_027514	Mus musculus poliovirus receptor (Pvr), mRNA [NM_027514]
A_52_0225377	4.047059	up	AK014446	Pvr	AK014446	Mus musculus 18 days pregnant adult female placenta and extra embryonic tissue cDNA, RIKEN full-length enriched library, clone:3830421F03 product:hypothetical protein, full insert sequence. [AK014446]
A_51_0241733	2.8632343	down	NM_145435	Pyy	NM_145435	Mus musculus peptide YY (Pyy), mRNA [NM_145435]
A_52_0366462	15.498475	down	NM_145435	Pyy	NM_145435	Mus musculus peptide YY (Pyy), mRNA [NM_145435]
A_51_0314763	1.4071349	down	NM_011231	Rabggtb	NM_011231	Mus musculus RAB geranylgeranyl transferase, b subunit (Rabggtb), mRNA [NM_011231]
A_52_0430628	1.5020984	down	NM_011231	Rabggtb	NM_011231	Mus musculus RAB geranylgeranyl transferase, b subunit (Rabggtb), mRNA [NM_011231]
A_52_0682873	2.1243684	down	BC057661	Rabggtb	BC057661	Mus musculus RAB geranylgeranyl transferase, b subunit, mRNA (cDNA clone IMAGE:3155581), complete cds. [BC057661]
A_52_026409	2.35221	up	M32070	Rarg	M32070	Mouse retinoic acid receptor gamma 3 mRNA, 5' end. [M32070]
A_51_0372853	2.856912	up	NM_011244	Rarg	NM_011244	Mus musculus retinoic acid receptor, gamma (Rarg), transcript variant 1, mRNA [NM_011244]
A_51_0372858	3.0058188	up	NM_011244	Rarg	NM_011244	Mus musculus retinoic acid receptor, gamma (Rarg), transcript variant 1, mRNA [NM_011244]
A_52_0380418	3.537931	up	M32070	Rarg	M32070	Mouse retinoic acid receptor gamma 3 mRNA, 5' end. [M32070]
A_51_0271644	2.75481	down	NM_011246	Rasgrp1	NM_011246	Mus musculus RAS guanyl releasing protein 1 (Rasgrp1), mRNA [NM_011246]
A_52_0487303	8.492334	down	NM_011246	Rasgrp1	NM_011246	Mus musculus RAS guanyl releasing protein 1 (Rasgrp1), mRNA [NM_011246]
A_51_0224903	1.8568233	up	NM_009062	Rgs4	NM_009062	Mus musculus regulator of G-protein signaling 4 (Rgs4), mRNA [NM_009062]
A_52_043326	2.3301473	up	NM_009062	Rgs4	NM_009062	Mus musculus regulator of G-protein signaling 4 (Rgs4), mRNA [NM_009062]
A_51_0314375	2.6451383	down	NM_080844	Serpinc1	NM_080844	Mus musculus serine (or cysteine) peptidase inhibitor, clade C (antithrombin), member 1 (Serpinc1), mRNA [NM_080844]
A_52_0409746	3.580984	down	NM_080844	Serpinc1	NM_080844	Mus musculus serine (or cysteine) peptidase inhibitor, clade C (antithrombin), member 1 (Serpinc1), mRNA [NM_080844]
A_51_0183571	15.32139	up	NM_008871	Serpinc1	NM_008871	Mus musculus serine (or cysteine) peptidase inhibitor, clade E, member 1 (Serpinc1), mRNA [NM_008871]
A_51_0145520	5.5402393	down	NM_023059	Sigirr	NM_023059	Mus musculus single immunoglobulin and toll-interleukin 1 receptor (TIR) domain (Sigirr), mRNA [NM_023059]
A_52_0640221	6.283906	down	NM_008767	Slc22a18	NM_008767	Mus musculus solute carrier family 22 (organic cation transporter), member 18 (Slc22a18), transcript variant 1, mRNA [NM_008767]
A_51_0165882	8.795703	down	NM_008767	Slc22a18	NM_008767	Mus musculus solute carrier family 22 (organic cation transporter), member 18 (Slc22a18), transcript variant 1, mRNA [NM_008767]
A_51_0372826	3.7735744	up	NM_145533	Smox	NM_145533	Mus musculus spermine oxidase (Smox), mRNA [NM_145533]
A_52_0430194	5.8303814	up	AK087437	Smox	AK087437	Mus musculus 0 day neonate eyball cDNA, RIKEN full-length enriched library, clone:E130115D16 product:POLYAMINE OXIDASE ISOFORM-3 homolog [Homo sapiens], full insert sequence. [AK087437]
A_51_0474459	5.173515	up	NM_007707	Socs3	NM_007707	Mus musculus suppressor of cytokine signaling 3 (Socs3), mRNA [NM_007707]
A_52_0204311	9.630001	up	NM_011898	Spry4	NM_011898	Mus musculus sprouty homolog 4 (Drosophila) (Spry4), mRNA [NM_011898]
A_51_0390715	5.047894	up	NM_011577	Tgfb1	NM_011577	Mus musculus transforming growth factor, beta 1 (Tgfb1), mRNA [NM_011577]
A_52_0337092	2.0655103	up	NM_011580	Thbs1	NM_011580	Mus musculus thrombospondin 1 (Thbs1), mRNA [NM_011580]
A_52_0337086	4.5024614	up	NM_011580	Thbs1	NM_011580	Mus musculus thrombospondin 1 (Thbs1), mRNA [NM_011580]
A_52_0363951	4.5403414	up	NM_011580	Thbs1	NM_011580	Mus musculus thrombospondin 1 (Thbs1), mRNA [NM_011580]
A_51_0388835	2.7979338	down	NM_009380	Thrb	NM_009380	Mus musculus thyroid hormone receptor beta (Thrb), mRNA [NM_009380]
A_52_0532559	3.1085851	down	AK158826	Thrb	AK158826	Mus musculus visual cortex cDNA, RIKEN full-length enriched library, clone:X430339A03 product:thyroid hormone receptor beta, full insert sequence. [AK158826]
A_51_0877015	3.785894	down	BC089035	Thrb	BC089035	Mus musculus thyroid hormone receptor beta, mRNA (cDNA clone MGC:115768 IMAGE:30695885), complete cds. [BC089035]
A_51_0313532	1.9120182	down	NM_027154	Timb1	NM_027154	Mus musculus transmembrane BAX inhibitor motif containing 1 (Timb1), mRNA [NM_027154]
A_52_0461378	2.0281549	down	NM_027154	Timb1	NM_027154	Mus musculus transmembrane BAX inhibitor motif containing 1 (Timb1), mRNA [NM_027154]
A_52_0127362	1.5548475	down	NM_029478	Tmem49	NM_029478	Mus musculus transmembrane protein 49 (Tmem49), mRNA [NM_029478]
A_52_0413448	2.1169481	down	AK019443	Tmem49	AK019443	Mus musculus 13 days embryo head cDNA, RIKEN full-length enriched library, clone:3110098I04 product:unclassified, full insert sequence. [AK019443]
A_51_0439746	4.2890396	down	NM_029478	Tmem49	NM_029478	Mus musculus transmembrane protein 49 (Tmem49), mRNA [NM_029478]
A_51_0278282	1.5826579	down	NM_011610	Tfr1f1b	NM_011610	Mus musculus tumor necrosis factor receptor superfamily, member 1b (Tfr1f1b), mRNA [NM_011610]
A_52_0228621	2.2646317	up	NM_011610	Tfr1f1b	NM_011610	Mus musculus tumor necrosis factor receptor superfamily, member 1b (Tfr1f1b), mRNA [NM_011610]
A_52_0151853	2.8686774	down	NM_009412	Tp52	NM_009412	Mus musculus tumor protein D52 (Tp52), transcript variant 5, mRNA [NM_009412]
A_51_0506792	3.239838	down	NM_009412	Tp52	NM_009412	Mus musculus tumor protein D52 (Tp52), transcript variant 5, mRNA [NM_009412]
A_52_0383913	3.6701207	up	AK020775	Trim35	AK020775	Mus musculus 0 day neonate thymus cDNA, RIKEN full-length enriched library, clone:A430106H13 product:tripartite motif-containing 35, full insert sequence. [AK020775]
A_52_045738	5.755788	up	NM_029979	Trim35	NM_029979	Mus musculus tripartite motif-containing 35 (Trim35), mRNA [NM_029979]
A_51_0373777	6.833079	up	NM_029979	Trim35	NM_029979	Mus musculus tripartite motif-containing 35 (Trim35), mRNA [NM_029979]
A_51_0173656	3.2427914	up	NM_134028	Tubg2	NM_134028	Mus musculus tubulin, gamma 2 (Tubg2), mRNA [NM_134028]
A_51_0109840	3.8641542	down	NM_011707	Vtn	NM_011707	Mus musculus vimentin (Vtn), mRNA [NM_011707]
A_51_0390804	2.9994416	up	NM_016873	Wnt1	NM_016873	Mus musculus WNT1 inducible signaling pathway protein 2 (Wisp2), mRNA [NM_016873]
A_51_0121006	4.979566	up	NM_015753	Zeb2	NM_015753	Mus musculus zinc finger E-box binding homeobox 2 (Zeb2), transcript variant 2, mRNA [NM_015753]

A_52_P526372	6.219306 up	NM_015753	Zeb2	NM_015753	Mus musculus zinc finger E-box binding homeobox 2 (Zeb2), transcript variant 2, mRNA [NM_015753]
A_52_P596008	6.952508 up	NM_015753	Zeb2	NM_015753	Mus musculus zinc finger E-box binding homeobox 2 (Zeb2), transcript variant 2, mRNA [NM_015753]
A_51_P106893	7.538661 up	AK051204	Zeb2	AK051204	Mus musculus 12 days embryo spinal ganglion cDNA, RIKEN full-length enriched library, clone: D130016B08 product:undclassifiable, full insert sequence. [AK051204]
A_52_P587928	8.078221 up	AK031541	Zeb2	AK031541	Mus musculus 13 days embryo male testis cDNA, RIKEN full-length enriched library, clone: 6030449F06 product:zinc finger homeobox 1b, full insert sequence. [AK031541]

List of cancer genes that were up or down regulated in two tumor samples with respect to their normal controls (genes that were affected at least by 2 fold with p value ≤ 0.01 were listed here)

Genes that exhibited at least by 2 fold with p value ≤ 0.01 were listed here