

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: **Positive genes (934)** and **Negative genes (297)**

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
4326	AGI_HUM1_OLIGO_A_23_P139715	TNFRSF1A ^ Tumor necrosis factor receptor superfamily, member 1A ^ 7132	19.51800739	5.61	0.287426882	48.84029469	0
39606	AGI_OLIGO_NM_033339_2_2286	CASP7 ^ Caspase 7, apoptosis-related cysteine protease ^ 840	12.37741195	2.399	0.193820809	5.274374458	0
11237	AGI_HUM1_OLIGO_A_23_P253012	^ ^	11.89534104	3.780333333	0.317799491	13.74022128	0
18463	AGI_HUM1_OLIGO_A_23_P45324	TMEM35 ^ Transmembrane protein 35 ^ 59353	11.25386688	4.096	0.363963786	17.10089586	0
18742	AGI_HUM1_OLIGO_A_23_P47879	STAT6 ^ Signal transducer and activator of transcription 6, interleukin-4 induced ^ 67	11.21942417	4.32	0.385046499	19.97328878	0
20981	AGI_HUM1_OLIGO_A_23_P66798	KRT19 ^ Keratin 19 ^ 3880	11.14304224	3.903333333	0.350293326	14.96305997	0
38055	AGI_OLIGO_NM_002276_2_1204	KRT19 ^ Keratin 19 ^ 3880	10.74089937	4.076666667	0.379546119	16.87325807	0
258	AGI_HUM1_OLIGO_A_23_P101960	ZFP3612 ^ Zinc finger protein 36, C3H type-like 2 ^ 678	10.51685766	2.391666667	0.227412669	5.247632418	0
27794	AGI_HUM1_OLIGO_A_24_P298409	HLA-C ^ Major histocompatibility complex, class I, C ^ 3107	10.26561193	2.583	0.251616759	5.991843738	0
28638	AGI_HUM1_OLIGO_A_24_P348203	FLJ23420 ^ Hypothetical protein FLJ23420 ^ 80131	9.953152401	2.254925926	0.226553943	4.773097895	0
34608	AGI_HUM1_OLIGO_A_32_P28284	TPM4 ^ Tropomyosin 4 ^ 7171	9.844827397	3.096666667	0.314547583	8.554399989	0
10946	AGI_HUM1_OLIGO_A_23_P250629	PSMB8 ^ Proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctio	9.72628786	2.107666667	0.216697953	4.309936658	0
29260	AGI_HUM1_OLIGO_A_24_P387437	CTCF ^ CCCTC-binding factor (zinc finger protein)-like ^ 140690	9.575108532	1.512777778	0.157990666	2.853589431	0
38238	AGI_OLIGO_NM_003153_3_3529	STAT6 ^ Signal transducer and activator of transcription 6, interleukin-4 induced ^ 67	9.376958211	3.106666667	0.331308575	8.613900546	0
26476	AGI_HUM1_OLIGO_A_24_P216294	CST3 ^ Cystatin C (amyloid angiopathy and cerebral hemorrhage) ^ 1471	9.180673505	1.591666667	0.173371449	3.013973363	0
25697	AGI_HUM1_OLIGO_A_24_P16856	DXYS155E ^ DNA segment on chromosome X and Y (unique) 155 expressed sequence	8.985673038	1.553962037	0.172937746	2.936224007	0
25297	AGI_HUM1_OLIGO_A_24_P142743	CNN2 ^ Calponin 2 ^ 1265	8.913423262	3.007333333	0.337393754	8.040768161	0
38961	AGI_OLIGO_NM_007222_1_3742	ZHX1 ^ Zinc fingers and homeoboxes 1 ^ 11244	8.89873173	1.070666667	0.120316771	2.100403736	0
30783	AGI_HUM1_OLIGO_A_24_P71700	KIAA1190 ^ Hypothetical protein KIAA1190 ^ 92999	8.882733457	1.668333333	0.187817561	3.178471898	0
34304	AGI_HUM1_OLIGO_A_32_P221256	MGC70870 ^ Hypothetical LOC403340 ^ 403340	8.81842868	1.336666667	0.151576513	2.525670902	0
17752	AGI_HUM1_OLIGO_A_23_P42375	RAB32 ^ RAB32, member RAS oncogene family ^ 10981	8.80212193	2.13	0.241987105	4.377174805	0
1503	AGI_HUM1_OLIGO_A_23_P113716	HLA-C ^ Major histocompatibility complex, class I, C ^ 3107	8.781396619	3.023333333	0.344288439	8.130439457	0
9821	AGI_HUM1_OLIGO_A_23_P213386	BASP1 ^ Brain abundant, membrane attached signal protein 1 ^ 10409	8.706271589	4.012666667	0.460893808	16.14109633	0
4372	AGI_HUM1_OLIGO_A_23_P140146	FAM14A ^ Family with sequence similarity 14, member A ^ 83982	8.693801389	2.680333333	0.308303953	6.410039883	0
5749	AGI_HUM1_OLIGO_A_23_P152559	BZRAP1 ^ Benzodiazapine receptor (peripheral) associated protein 1 ^ 9256	8.578324179	1.633	0.190363522	3.101572825	0
22775	AGI_HUM1_OLIGO_A_23_P83436	PEPD ^ Peptidase D ^ 5184	8.533819092	1.87	0.219128151	3.655325801	0
37770	AGI_OLIGO_NM_001206_1_4791	KLF9 ^ Kruppel-like factor 9 ^ 687	8.523392061	2.957333333	0.346966714	7.766870079	0
38925	AGI_OLIGO_NM_006887_3_2016	ZFP3612 ^ Zinc finger protein 36, C3H type-like 2 ^ 678	8.514372819	2.302	0.270366362	4.931409302	0
28001	AGI_HUM1_OLIGO_A_24_P311926	HLA-G ^ HLA-G histocompatibility antigen, class I, G ^ 3135	8.49584822	2.607	0.306855764	6.092354959	0
5032	AGI_HUM1_OLIGO_A_23_P145895	TP53AP1 ^ TP53 activated protein 1 ^ 11257	8.470928813	2.553333333	0.301423066	5.869889452	0
38903	AGI_OLIGO_NM_006763_2_2491	BTG2 ^ BTG family, member 2 ^ 7832	8.438667535	2.101	0.248972956	4.290066467	0
9820	AGI_HUM1_OLIGO_A_23_P213385	BASP1 ^ Brain abundant, membrane attached signal protein 1 ^ 10409	8.299594337	4.343666667	0.523358913	20.3036425	0
17381	AGI_HUM1_OLIGO_A_23_P415401	KLF9 ^ Kruppel-like factor 9 ^ 687	8.259811785	3.024666667	0.366190749	8.137957052	0
4938	AGI_HUM1_OLIGO_A_23_P145074	PNRC1 ^ Proline-rich nuclear receptor coactivator 1 ^ 10957	8.239249702	1.670333333	0.202728816	3.182881252	0
4373	AGI_HUM1_OLIGO_A_23_P140152	FAM14A ^ Family with sequence similarity 14, member A ^ 83982	8.181512782	1.820666667	0.222534232	3.532443944	0
39418	AGI_OLIGO_NM_021800_1_629	DNAJC12 ^ DnaJ (Hsp40) homolog, subfamily C, member 12 ^ 56521	8.134804647	3.401333333	0.418121084	10.56582367	0
38841	AGI_OLIGO_NM_006317_2_1437	BASP1 ^ Brain abundant, membrane attached signal protein 1 ^ 10409	8.04992561	4.274333333	0.530977992	19.35096132	0
37366	AGI_OLIGO_NKI_NM_006117	PECI ^ Peroxisomal D3,D2-enoyl-CoA isomerase ^ 10455	7.962231522	1.405	0.176458069	2.648177821	0
34212	AGI_HUM1_OLIGO_A_32_P214565	^ ^	7.9427012	3.323	0.418371523	10.00743264	0
35761	AGI_HUM1_OLIGO_A_32_P88415	MYOZ3 ^ Myozenin 3 ^ 91977	7.941079854	1.802	0.226921279	3.487032958	0
17511	AGI_HUM1_OLIGO_A_23_P418031	^ ^	7.916739331	2.172333333	0.274397481	4.507518252	0
38352	AGI_OLIGO_NM_003651_3_1372	CSDA ^ Cold shock domain protein A ^ 8531	7.839211606	2.683	0.342253805	6.42189911	0
12041	AGI_HUM1_OLIGO_A_23_P26243	CCNDBP1 ^ Cyclin D-type binding-protein 1 ^ 23582	7.798686441	1.328666667	0.170370572	2.511704368	0
21897	AGI_HUM1_OLIGO_A_23_P75299	LHPP ^ Phospholysine phosphohistidine inorganic pyrophosphate phosphatase ^ 640	7.538341402	2.235666667	0.296572754	4.709802837	0.88708613
24802	AGI_HUM1_OLIGO_A_24_P113674	HLA-B ^ Major histocompatibility complex, class I, B ^ 3106	7.537200945	2.674	0.354773612	6.381961918	0.88708613
14416	AGI_HUM1_OLIGO_A_23_P345650	KIAA1280 ^ KIAA1280 protein ^ 55841	7.388823449	3.299666667	0.446575384	9.846879932	0.88708613

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Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
38377	AGI_OLIGO_NM_003793_2_1950	CTSF ^ Cathepsin F ^ 8722	7.366804647	1.952333333	0.265017661	3.869999375	0.88708613
217	AGI_HUM1_OLIGO_A_23_P101615	ZNF565 ^ Zinc finger protein 565 ^ 147929	7.346957061	1.636333333	0.222722594	3.108747265	0.88708613
24096	AGI_HUM1_OLIGO_A_23_P95917	HLA-C ^ Major histocompatibility complex, class I, C ^ 3107	7.337808232	2.811	0.383084419	7.01770839	0.88708613
1784	AGI_HUM1_OLIGO_A_23_P116533	SWAP70 ^ SWAP-70 protein ^ 23075	7.304297843	1.371	0.187697713	2.586497864	0.88708613
4584	AGI_HUM1_OLIGO_A_23_P141974	TPM4 ^ Tropomyosin 4 ^ 7171	7.282137759	1.793333333	0.246264681	3.466148183	0.88708613
37733	AGI_OLIGO_NM_001065_2_2074	TNFRSF1A ^ Tumor necrosis factor receptor superfamily, member 1A ^ 7132	7.254209884	4.209666667	0.580306709	18.50273541	0.88708613
10798	AGI_HUM1_OLIGO_A_23_P24345	SLC39A13 ^ Solute carrier family 39 (zinc transporter), member 13 ^ 91252	7.235987835	0.984	0.135986962	1.977941833	0.88708613
29534	AGI_HUM1_OLIGO_A_24_P403561	^ ^	7.206608094	2.048666667	0.284276131	4.137234312	0.88708613
14260	AGI_HUM1_OLIGO_A_23_P34144	MAGEH1 ^ Melanoma antigen, family H, 1 ^ 28986	7.12541956	1.879	0.26370377	3.678200185	0.88708613
24572	AGI_HUM1_OLIGO_A_24_P100673	LOC51234 ^ Hypothetical protein LOC51234 ^ 51234	7.102250462	1.343333333	0.189141926	2.537368988	0.88708613
27831	AGI_HUM1_OLIGO_A_24_P3005	SCN9A ^ Sodium channel, voltage-gated, type IX, alpha ^ 6335	7.047853977	4.030740741	0.571910365	16.34458386	0.88708613
16461	AGI_HUM1_OLIGO_A_23_P393034	HAS3 ^ Hyaluronan synthase 3 ^ 3038	7.040699412	1.839666667	0.261290329	3.5792732	0.88708613
2386	AGI_HUM1_OLIGO_A_23_P121773	FRG1 ^ FSHD region gene 1 ^ 2483	7.02935106	1.122333333	0.159663861	2.176987816	0.88708613
21384	AGI_HUM1_OLIGO_A_23_P70542	HLA-C ^ Major histocompatibility complex, class I, C ^ 3107	7.022315064	2.398	0.341482827	5.270719807	0.88708613
3883	AGI_HUM1_OLIGO_A_23_P135523	HLA-B ^ Major histocompatibility complex, class I, B ^ 3106	6.981134696	2.562666667	0.367084547	5.907987062	0.88708613
37261	AGI_OLIGO_NKI_CONTIG4595	LOC387763 ^ Hypothetical LOC387763 ^ 387763	6.977170665	2.366666667	0.339201487	5.157481234	0.88708613
37965	AGI_OLIGO_NM_001964_1_3066	EGR1 ^ Early growth response 1 ^ 1958	6.974814498	2.983666667	0.427777207	7.909939536	0.88708613
38819	AGI_OLIGO_NM_006227_1_1404	PLTP ^ Phospholipid transfer protein ^ 5360	6.955264891	2.58	0.370942019	5.979396995	0.88708613
15003	AGI_HUM1_OLIGO_A_23_P35912	CASP4 ^ Caspase 4, apoptosis-related cysteine protease ^ 837	6.883923218	2.134666667	0.310094491	4.391356519	0.88708613
20016	AGI_HUM1_OLIGO_A_23_P57856	BCL6 ^ B-cell CLL/lymphoma 6 (zinc finger protein 51) ^ 604	6.880654627	2.355	0.342263945	5.115942325	0.88708613
30223	AGI_HUM1_OLIGO_A_24_P550411	FGB ^ Fibrinogen, B beta polypeptide ^ 2244	6.875380179	1.334722222	0.194130679	2.522269131	0.88708613
38353	AGI_OLIGO_NM_003651_3_1818	CSDA ^ Cold shock domain protein A ^ 8531	6.842204083	3.874333333	0.56624054	14.66528632	0.88708613
23668	AGI_HUM1_OLIGO_A_23_P91912	PLSCR4 ^ Phospholipid scramblase 4 ^ 57088	6.838037427	2.298333333	0.336110084	4.918891843	0.88708613
6414	AGI_HUM1_OLIGO_A_23_P158425	CST2 ^ Cystatin SA ^ 1470	6.835521259	1.371666667	0.200667457	2.587693356	0.88708613
37932	AGI_OLIGO_NM_001873_1_2102	CPE ^ Carboxypeptidase E ^ 1363	6.824959981	3.241	0.474874579	9.454492375	0.88708613
33053	AGI_HUM1_OLIGO_A_32_P134402	EIF4A2 ^ Eukaryotic translation initiation factor 4A, isoform 2 ^ 1974	6.820606318	1.714	0.251297307	3.280691645	0.88708613
38428	AGI_OLIGO_NM_004099_3_2921	STOM ^ Stomatin ^ 2040	6.819759821	1.200666667	0.176057031	2.298458578	0.88708613
36590	AGI_OLIGO_AK098572_1_1133	PABPC1 ^ Poly(A) binding protein, cytoplasmic 1 ^ 26986	6.791255956	1.443333333	0.21252819	2.719484746	0.88708613
18579	AGI_HUM1_OLIGO_A_23_P46441	PVRL4 ^ Poliovirus receptor-related 4 ^ 81607	6.783196768	1.809966667	0.266830925	3.506341871	0.88708613
27506	AGI_HUM1_OLIGO_A_24_P280113	IL13RA1 ^ Interleukin 13 receptor, alpha 1 ^ 3597	6.727363449	1.92	0.285401557	3.784230587	0.88708613
5204	AGI_HUM1_OLIGO_A_23_P14754	HAPLN3 ^ Hyaluronan and proteoglycan link protein 3 ^ 145864	6.680379801	2.052033333	0.307173154	4.146900217	0.88708613
1910	AGI_HUM1_OLIGO_A_23_P117683	HYPK ^ Huntingtin interacting protein K ^ 25764	6.641753212	1.014666667	0.152770908	2.020436019	1.05974047
38840	AGI_OLIGO_NM_006317_2_1148	BASP1 ^ Brain abundant, membrane attached signal protein 1 ^ 10409	6.627190142	3.576	0.539595201	11.92568309	1.05974047
1063	AGI_HUM1_OLIGO_A_23_P109427	GSTT2 ^ Glutathione S-transferase theta 2 ^ 2953	6.610798657	2.266666667	0.342873348	4.812100144	1.05974047
38962	AGI_OLIGO_NM_007233_1_385	TP53AP1 ^ TP53 activated protein 1 ^ 11257	6.586391641	1.534	0.232904462	2.895876345	1.05974047
9901	AGI_HUM1_OLIGO_A_23_P214080	EGR1 ^ Early growth response 1 ^ 1958	6.582255875	2.757	0.418853362	6.759891075	1.05974047
1323	AGI_HUM1_OLIGO_A_23_P111888	CTHRC1 ^ Collagen triple helix repeat containing 1 ^ 115908	6.56534137	2.627	0.400131517	6.177401065	1.05974047
39048	AGI_OLIGO_NM_014033_1_1512	DKFZP586A0522 ^ DKFZP586A0522 protein ^ 25840	6.557890082	1.654333333	0.252266097	3.147776988	1.05974047
22620	AGI_HUM1_OLIGO_A_23_P81938	HLA-B ^ Major histocompatibility complex, class I, B ^ 3106	6.557048824	2.941666667	0.448626622	7.682983356	1.05974047
7478	AGI_HUM1_OLIGO_A_23_P168037	HLA-A ^ Major histocompatibility complex, class I, A ^ 3105	6.519060185	2.690333333	0.412687298	6.454625237	1.05974047
4258	AGI_HUM1_OLIGO_A_23_P139104	^ ^	6.517294039	2.215333333	0.339916125	4.6438885	1.05974047
39276	AGI_OLIGO_NM_017763_1_3368	FLJ20315 ^ Hypothetical protein FLJ20315 ^ 54894	6.514887524	2.035666667	0.312463824	4.100121513	1.05974047
11149	AGI_HUM1_OLIGO_A_23_P25229	CSDA ^ Cold shock domain protein A ^ 8531	6.468041255	1.746666667	0.27004569	3.355823099	1.05974047
18598	AGI_HUM1_OLIGO_A_23_P4662	BCL3 ^ B-cell CLL/lymphoma 3 ^ 602	6.464894557	2.746	0.424755574	6.708545476	1.05974047
21227	AGI_HUM1_OLIGO_A_23_P69109	PLSCR1 ^ Phospholipid scramblase 1 ^ 5359	6.461886069	1.352333333	0.209278424	2.553247395	1.05974047
10811	AGI_HUM1_OLIGO_A_23_P2446	TMEM5 ^ Transmembrane protein 5 ^ 10329	6.452156884	0.761333333	0.117996718	1.695056466	1.05974047

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18327	AGI_HUM1_OLIGO_A_23_P43964	LHPP ^ Phospholysine phosphohistidine inorganic pyrophosphate phosphatase ^ 640	6.449194779	2.413333333	0.374206923	5.327037118	1.05974047
12627	AGI_HUM1_OLIGO_A_23_P303251	^ ^	6.433619083	3.612	0.56142584	12.22701217	1.05974047
10138	AGI_HUM1_OLIGO_A_23_P216023	ANGPT1 ^ Angiotensin II type 1 receptor 1 ^ 284	6.418922682	2.256333333	0.351512776	4.777756517	1.05974047
35101	AGI_HUM1_OLIGO_A_32_P48438	^ ^	6.386588448	1.757333333	0.275159946	3.380726561	1.05974047
16865	AGI_HUM1_OLIGO_A_23_P402899	MGC19764 ^ Hypothetical protein MGC19764 ^ 162394	6.376129378	1.883666667	0.295424788	3.690117274	1.05974047
36885	AGI_OLIGO_BC018999_1_1182	SMPDL3A ^ Sphingomyelin phosphodiesterase, acid-like 3A ^ 10924	6.359451498	2.51	0.394688127	5.696200782	1.05974047
13925	AGI_HUM1_OLIGO_A_23_P333528	HLA-A ^ Major histocompatibility complex, class I, A ^ 3105	6.352816944	2.298	0.361729296	4.917755469	1.05974047
21258	AGI_HUM1_OLIGO_A_23_P69383	PARP9 ^ Poly (ADP-ribose) polymerase family, member 9 ^ 83666	6.342792682	1.513333333	0.238591013	2.854688508	1.05974047
36972	AGI_OLIGO_BF110534_1_494	RASGEF1B ^ RasGEF domain family, member 1B ^ 153020	6.340822633	1.868666667	0.294704138	3.651949123	1.05974047
34449	AGI_HUM1_OLIGO_A_32_P229965	PBP ^ Prostatic binding protein ^ 5037	6.336024928	1.132798942	0.178787008	2.192837556	1.05974047
38904	AGI_OLIGO_NM_006763_2_2532	BTG2 ^ BTG family, member 2 ^ 7832	6.327434505	1.932333333	0.305389701	3.81671995	1.05974047
13912	AGI_HUM1_OLIGO_A_23_P333029	FLJ39553 ^ Hypothetical protein FLJ39553 ^ 203111	6.289185793	4.243047619	0.674657699	18.93584135	1.05974047
37667	AGI_OLIGO_NM_000713_1_729	BLVRB ^ Biliverdin reductase B (flavin reductase (NADPH)) ^ 645	6.284468941	0.997666667	0.158751149	1.996767928	1.05974047
20624	AGI_HUM1_OLIGO_A_23_P63541	FLJ10157 ^ Hypothetical protein FLJ10157 ^ 55083	6.275200026	3.247333333	0.517486824	9.49608819	1.05974047
16476	AGI_HUM1_OLIGO_A_23_P3934	FLJ20315 ^ Hypothetical protein FLJ20315 ^ 54894	6.253045375	2.484	0.397246438	5.594464331	1.05974047
17828	AGI_HUM1_OLIGO_A_23_P425752	TRIM14 ^ Tripartite motif-containing 14 ^ 9830	6.238272006	1.098448148	0.176082118	2.141242433	1.05974047
19391	AGI_HUM1_OLIGO_A_23_P52176	ZNF124 ^ Zinc finger protein 124 (HZF-16) ^ 7678	6.229100042	1.397666667	0.224376982	2.634751076	1.05974047
3181	AGI_HUM1_OLIGO_A_23_P129188	CALML4 ^ Calmodulin-like 4 ^ 91860	6.217225052	1.09	0.175319373	2.128740365	1.05974047
21433	AGI_HUM1_OLIGO_A_23_P70968	HOXA7 ^ Homeobox A7 ^ 3204	6.215259887	1.42	0.228469931	2.67585511	1.05974047
9456	AGI_HUM1_OLIGO_A_23_P210540	^ ^	6.185265882	2.056666667	0.332510632	4.160239736	1.05974047
22985	AGI_HUM1_OLIGO_A_23_P85619	^ ^	6.184415957	1.433	0.231711452	2.70007597	1.05974047
4886	AGI_HUM1_OLIGO_A_23_P144627	PCDHB13 ^ Protocadherin beta 13 ^ 56123	6.176840535	1.344	0.217586967	2.538541772	1.05974047
9417	AGI_HUM1_OLIGO_A_23_P210210	EPAS1 ^ Endothelial PAS domain protein 1 ^ 2034	6.158993332	1.996666667	0.324187178	3.990768706	1.05974047
20532	AGI_HUM1_OLIGO_A_23_P62659	PPT1 ^ Palmitoyl-protein thioesterase 1 (ceroid-lipofuscinosis, neuronal 1, infantile) ^	6.155510437	1.395666667	0.226734514	2.631101066	1.05974047
11803	AGI_HUM1_OLIGO_A_23_P258088	PACSIN1 ^ Protein kinase C and casein kinase substrate in neurons 1 ^ 29993	6.152454197	1.468666667	0.238712328	2.767659893	1.05974047
22879	AGI_HUM1_OLIGO_A_23_P84483	C7orf10 ^ Chromosome 7 open reading frame 10 ^ 79783	6.132977299	1.359888889	0.221733886	2.566654113	1.05974047
11958	AGI_HUM1_OLIGO_A_23_P259442	CPE ^ Carboxypeptidase E ^ 1363	6.128032587	3.062333333	0.499725367	8.353225201	1.05974047
18984	AGI_HUM1_OLIGO_A_23_P500130	ANKRD15 ^ Ankyrin repeat domain 15 ^ 23189	6.121697552	2.650333333	0.432940914	6.27812317	1.05974047
34413	AGI_HUM1_OLIGO_A_32_P227657	^ ^	6.106368124	2.812	0.460502862	7.022574381	1.05974047
8888	AGI_HUM1_OLIGO_A_23_P205961	PML ^ Promyelocytic leukemia ^ 5371	6.09378038	2.211666667	0.362938362	4.632100859	1.05974047
37472	AGI_OLIGO_NM_000099_2_452	CST3 ^ Cystatin C (amyloid angiopathy and cerebral hemorrhage) ^ 1471	6.08718262	1.493666667	0.245378981	2.816037736	1.05974047
13307	AGI_HUM1_OLIGO_A_23_P31893	SIAT4A ^ Sialyltransferase 4A (beta-galactoside alpha-2,3-sialyltransferase) ^ 6482	6.086837397	2.143	0.352071176	4.416795389	1.05974047
10808	AGI_HUM1_OLIGO_A_23_P24433	CTSF ^ Cathepsin F ^ 8722	6.075112345	1.738333333	0.286140113	3.33649498	1.05974047
21316	AGI_HUM1_OLIGO_A_23_P69908	GLRX ^ Glutaredoxin (thioltransferase) ^ 2745	6.066094514	1.59	0.262112632	3.010493495	1.05974047
16914	AGI_HUM1_OLIGO_A_23_P4041	PCTP ^ Phosphatidylcholine transfer protein ^ 58488	6.059255123	3.646666667	0.601834152	12.52437466	1.05974047
31206	AGI_HUM1_OLIGO_A_24_P8454	SPAG9 ^ Sperm associated antigen 9 ^ 9043	6.044009217	1.272466667	0.210533542	2.415742474	1.05974047
4259	AGI_HUM1_OLIGO_A_23_P139114	^ ^	6.037680715	2.710566667	0.448941704	6.54578704	1.05974047
13091	AGI_HUM1_OLIGO_A_23_P314024	HLA-F ^ Major histocompatibility complex, class I, F ^ 3134	6.035100109	2.294666667	0.38022015	4.906406158	1.05974047
2726	AGI_HUM1_OLIGO_A_23_P125107	HLA-B ^ Major histocompatibility complex, class I, B ^ 3106	6.010220039	2.505333333	0.416845526	5.677805125	1.05974047
1669	AGI_HUM1_OLIGO_A_23_P115417	RGL1 ^ Ral guanine nucleotide dissociation stimulator-like 1 ^ 23179	6.008197154	1.733666667	0.288550229	3.3257199	1.05974047
16289	AGI_HUM1_OLIGO_A_23_P389102	MYO1D ^ Myosin ID ^ 4642	6.000271731	1.380666667	0.23010069	2.603886684	1.05974047
17385	AGI_HUM1_OLIGO_A_23_P415510	LAD1 ^ Ladinin 1 ^ 3898	5.963768298	1.693333333	0.283936808	3.234030609	1.05974047
27717	AGI_HUM1_OLIGO_A_24_P293192	FXDY3 ^ FXD domain containing ion transport regulator 3 ^ 5349	5.95524268	1.331	0.223500548	2.515769944	1.05974047
28765	AGI_HUM1_OLIGO_A_24_P356916	^ ^	5.923821341	1.631333333	0.275385303	3.097991817	1.05974047
20557	AGI_HUM1_OLIGO_A_23_P62901	BTG2 ^ BTG family, member 2 ^ 7832	5.921472585	1.911333333	0.32278007	3.761565816	1.05974047
28248	AGI_HUM1_OLIGO_A_24_P326082	HLA-E ^ Major histocompatibility complex, class I, E ^ 3133	5.920280278	2.719666667	0.459381404	6.587205995	1.05974047

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
35433	AGI_HUM1_OLIGO_A_32_P69368	ID2 ^ Inhibitor of DNA binding 2, dominant negative helix-loop-helix protein ^ 3398	5.915947978	2.411	0.407542461	5.318428433	1.05974047
37889	AGI_OLIGO_NM_001712_2_3310	CEACAM1 ^ Carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glyco	5.911992976	3.187666667	0.539186477	9.111361603	1.05974047
23533	AGI_HUM1_OLIGO_A_23_P90659	LAPTM4A ^ Lysosomal-associated protein transmembrane 4 alpha ^ 9741	5.889809996	0.826333333	0.14029881	1.773173041	1.44863606
31387	AGI_HUM1_OLIGO_A_24_P90097	ADD3 ^ Adducin 3 (gamma) ^ 120	5.886213309	2.473	0.420134282	5.551970876	1.44863606
15000	AGI_HUM1_OLIGO_A_23_P35906	CASP4 ^ Caspase 4, apoptosis-related cysteine protease ^ 837	5.880584523	3.077333333	0.523303988	8.440528487	1.44863606
13310	AGI_HUM1_OLIGO_A_23_P31896	SIAT4A ^ Sialyltransferase 4A (beta-galactoside alpha-2,3-sialyltransferase) ^ 6482	5.876155573	2.223666667	0.378422021	4.670790272	1.44863606
275	AGI_HUM1_OLIGO_A_23_P10211	SLC2A13 ^ Solute carrier family 2 (facilitated glucose transporter), member 13 ^ 1141	5.86571379	1.091666667	0.186109774	2.131201003	1.44863606
23921	AGI_HUM1_OLIGO_A_23_P94204	OXR1 ^ Oxidation resistance 1 ^ 55074	5.857775231	1.603666667	0.27376719	3.03914744	1.44863606
21436	AGI_HUM1_OLIGO_A_23_P7099	AGA ^ Aspartylglucosaminidase ^ 175	5.857199149	0.895	0.152803409	1.859609885	1.44863606
39607	AGI_OLIGO_NM_033339_2_2501	CASP7 ^ Caspase 7, apoptosis-related cysteine protease ^ 840	5.84297206	2.5229	0.431783684	5.747362316	1.44863606
4194	AGI_HUM1_OLIGO_A_23_P138541	AKR1C3 ^ Aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydro	5.828904884	1.682666667	0.288676295	3.210207754	1.44863606
4962	AGI_HUM1_OLIGO_A_23_P145264	HLA-F ^ Major histocompatibility complex, class I, F ^ 3134	5.808266386	2.174	0.374294128	4.51272855	1.44863606
20005	AGI_HUM1_OLIGO_A_23_P57760	ACPL2 ^ Acid phosphatase-like 2 ^ 92370	5.791707739	2.580333333	0.44552202	5.980778688	1.44863606
26341	AGI_HUM1_OLIGO_A_24_P208045	C1orf22 ^ Chromosome 1 open reading frame 22 ^ 80267	5.791283635	0.628666667	0.108553942	1.546135401	1.44863606
29240	AGI_HUM1_OLIGO_A_24_P385313	PTPRF ^ Protein tyrosine phosphatase, receptor type, F ^ 5792	5.789573914	0.844333333	0.145836869	1.795434887	1.44863606
22284	AGI_HUM1_OLIGO_A_23_P78782	CA11 ^ Carbonic anhydrase XI ^ 770	5.778673946	1.1487	0.198782629	2.217140198	1.44863606
35520	AGI_HUM1_OLIGO_A_32_P74409	^ ^	5.771714705	2.561666667	0.443831131	5.903893376	1.44863606
17094	AGI_HUM1_OLIGO_A_23_P408353	HLA-A ^ Major histocompatibility complex, class I, A ^ 3105	5.758909971	3.555	0.617304319	11.75334907	1.44863606
28308	AGI_HUM1_OLIGO_A_24_P330385	SLC22A17 ^ Solute carrier family 22 (organic cation transporter), member 17 ^ 51310	5.757643016	1.334601852	0.231796561	2.522058696	1.44863606
9992	AGI_HUM1_OLIGO_A_23_P214821	EDN1 ^ Endothelin 1 ^ 1906	5.752886143	2.156666667	0.374884295	4.458834546	1.44863606
3976	AGI_HUM1_OLIGO_A_23_P136424	EPS8L2 ^ EPS8-like 2 ^ 64787	5.749465429	2.123	0.36925172	4.355988061	1.44863606
37913	AGI_OLIGO_NM_001795_2_3394	CDH5 ^ Cadherin 5, type 2, VE-cadherin (vascular epithelium) ^ 1003	5.744198874	1.7238	0.300094067	3.303052728	1.44863606
22755	AGI_HUM1_OLIGO_A_23_P83277	IL11RA ^ Interleukin 11 receptor, alpha ^ 3590	5.732650554	2.040333333	0.355914479	4.113405595	1.44863606
16286	AGI_HUM1_OLIGO_A_23_P38894	FLJ11286 ^ Hypothetical protein FLJ11286 ^ 55337	5.724962101	0.850666667	0.148589048	1.80333405	1.44863606
15555	AGI_HUM1_OLIGO_A_23_P371966	KIAA1946 ^ KIAA1946 ^ 165215	5.715029793	1.576666667	0.275880743	2.982798801	1.44863606
15531	AGI_HUM1_OLIGO_A_23_P371410	PRKACB ^ Protein kinase, cAMP-dependent, catalytic, beta ^ 5567	5.707328848	1.532029762	0.268432011	2.891924247	1.44863606
21360	AGI_HUM1_OLIGO_A_23_P70348	SERPINB6 ^ Serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6	5.694968595	1.687333333	0.296284923	3.220608583	1.44863606
18813	AGI_HUM1_OLIGO_A_23_P48561	EFS ^ Embryonal Fyn-associated substrate ^ 10278	5.692798354	2.066666667	0.363031771	4.189176491	1.44863606
2595	AGI_HUM1_OLIGO_A_23_P123732	C9orf103 ^ Chromosome 9 open reading frame 103 ^ 414328	5.684812143	1.118333333	0.196723006	2.170960284	1.44863606
18580	AGI_HUM1_OLIGO_A_23_P46447	^ LOC440702 ^ 440702	5.680284357	2.871433333	0.50550873	7.317918424	1.44863606
6006	AGI_HUM1_OLIGO_A_23_P154745	CST3 ^ Cystatin C (amyloid angiopathy and cerebral hemorrhage) ^ 1471	5.678211536	1.467666667	0.258473404	2.765742162	1.44863606
424	AGI_HUM1_OLIGO_A_23_P103503	MDM4 ^ Mdm4, transformed 3T3 cell double minute 4, p53 binding protein (mouse)	5.670779604	1.109	0.19556394	2.156960863	1.44863606
21926	AGI_HUM1_OLIGO_A_23_P75589	CRYAB ^ Crystallin, alpha B ^ 1410	5.667919532	1.71	0.301698002	3.271608234	1.44863606
14275	AGI_HUM1_OLIGO_A_23_P34176	KIAA1280 ^ KIAA1280 protein ^ 55841	5.660075136	2.175333333	0.384329409	4.516901124	1.44863606
2478	AGI_HUM1_OLIGO_A_23_P122615	C6orf111 ^ Chromosome 6 open reading frame 111 ^ 25957	5.659201636	0.945	0.166984685	1.925188886	1.44863606
2800	AGI_HUM1_OLIGO_A_23_P12572	CASP7 ^ Caspase 7, apoptosis-related cysteine protease ^ 840	5.653380922	2.916666667	0.515915468	7.550994501	1.44863606
31107	AGI_HUM1_OLIGO_A_24_P816384	FLJ43276 ^ FLJ43276 protein ^ 388165	5.647505419	0.815666667	0.14442955	1.760111308	1.44863606
28148	AGI_HUM1_OLIGO_A_24_P320699	^ ^	5.637144917	0.787666667	0.139727944	1.726280216	1.44863606
8167	AGI_HUM1_OLIGO_A_23_P200203	FLJ10948 ^ Hypothetical protein FLJ10948 ^ 55268	5.622219756	1.136666667	0.202174002	2.198724227	1.44863606
39398	AGI_OLIGO_NM_021105_1_1182	PLSCR1 ^ Phospholipid scramblase 1 ^ 5359	5.619023361	1.242666667	0.221153497	2.366355236	1.44863606
5799	AGI_HUM1_OLIGO_A_23_P153026	GAA ^ Glucosidase, alpha; acid (Pompe disease, glycogen storage disease type II) ^ 25	5.612998184	1.241	0.221093961	2.363623094	1.44863606
36025	AGI_OLIGO_AB020689_2_4960	KIAA0882 ^ KIAA0882 protein ^ 23158	5.603022966	3.646	0.65072016	12.51858851	1.44863606
18398	AGI_HUM1_OLIGO_A_23_P44674	CRIP1 ^ Cysteine-rich protein 1 (intestinal) ^ 1396	5.591487405	2.207666667	0.394826368	4.619275736	1.44863606
5729	AGI_HUM1_OLIGO_A_23_P152374	^ ^	5.586901378	1.160537037	0.207724633	2.35406242	1.44863606
393	AGI_HUM1_OLIGO_A_23_P103232	DUSP23 ^ Dual specificity phosphatase 23 ^ 54935	5.585092188	1.073333333	0.192178266	2.104289696	1.44863606
14015	AGI_HUM1_OLIGO_A_23_P335695	KIAA0657 ^ KIAA0657 protein ^ 23363	5.581795076	2.253666667	0.403753029	4.768933504	1.44863606

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
34310	AGI_HUM1_OLIGO_A_32_P221479	^ ^	5.567946098	1.35225	0.242863342	2.553099918	1.44863606
3463	AGI_HUM1_OLIGO_A_23_P131695	UCN ^ Urocortin ^ 7349	5.567063598	1.423333333	0.255670392	2.682044796	1.44863606
6725	AGI_HUM1_OLIGO_A_23_P161422	PLXDC2 ^ Plexin domain containing 2 ^ 84898	5.553717381	2.022	0.364080464	4.061464403	1.44863606
4090	AGI_HUM1_OLIGO_A_23_P137514	IVNS1ABP ^ Influenza virus NS1A binding protein ^ 10625	5.552817261	1.410666667	0.254045217	2.658599878	1.44863606
3551	AGI_HUM1_OLIGO_A_23_P132454	CCNL1 ^ Cyclin L1 ^ 57018	5.538979838	1.458	0.263225367	2.747272467	1.44863606
11786	AGI_HUM1_OLIGO_A_23_P257924	ETS2 ^ V-ets erythroblastosis virus E26 oncogene homolog 2 (avian) ^ 2114	5.524423542	1.558666667	0.282141051	2.945814665	1.44863606
38488	AGI_OLIGO_NM_004433_2_2218	ELF3 ^ E74-like factor 3 (ets domain transcription factor, epithelial-specific) ^ 1999	5.515593925	2.117	0.383820859	4.337909635	1.44863606
18777	AGI_HUM1_OLIGO_A_23_P4821	JUNB ^ Jun B proto-oncogene ^ 3726	5.506336383	2.636666667	0.47884228	6.218931243	1.44863606
26375	AGI_HUM1_OLIGO_A_24_P209455	GIMAP4 ^ GTPase, IMAP family member 4 ^ 55303	5.502182469	1.327433333	0.241255782	2.509558076	1.44863606
10122	AGI_HUM1_OLIGO_A_23_P215891	RNF19 ^ Ring finger protein 19 ^ 25897	5.496776038	1.303	0.237048043	2.46741434	1.44863606
10286	AGI_HUM1_OLIGO_A_23_P217228	TRO ^ Trophinin ^ 7216	5.488806523	1.36	0.247776997	2.566851795	1.44863606
33679	AGI_HUM1_OLIGO_A_32_P179526	ZBTB20 ^ Zinc finger and BTB domain containing 20 ^ 26137	5.471044447	1.888666667	0.345211355	3.702928433	1.44863606
27832	AGI_HUM1_OLIGO_A_24_P300777	ADAM8 ^ A disintegrin and metalloproteinase domain 8 ^ 101	5.459092269	2.256333333	0.413316578	4.777756517	1.44863606
14884	AGI_HUM1_OLIGO_A_23_P356484	RPS10 ^ Ribosomal protein S10 ^ 6204	5.448501378	0.901666667	0.165488931	1.868222993	1.44863606
24399	AGI_HUM1_OLIGO_A_23_P98640	DCHS1 ^ Dachshous 1 (Drosophila) ^ 8642	5.447793978	2.612	0.479460128	6.113506083	1.44863606
22776	AGI_HUM1_OLIGO_A_23_P83438	FLJ13855 ^ Hypothetical protein FLJ13855 ^ 65264	5.44575967	0.95	0.174447654	1.931872658	1.44863606
33366	AGI_HUM1_OLIGO_A_32_P156851	DSCR1L1 ^ Down syndrome critical region gene 1-like 1 ^ 10231	5.445418078	2.710666667	0.497788531	6.546240775	1.44863606
27414	AGI_HUM1_OLIGO_A_24_P273857	ZFPM2 ^ Zinc finger protein, multitype 2 ^ 23414	5.441406971	3.100040741	0.569713083	8.574429833	1.86497634
28626	AGI_HUM1_OLIGO_A_24_P347431	FOXA1 ^ Forkhead box A1 ^ 3169	5.440914558	2.588333333	0.475716592	6.014035289	1.86497634
8914	AGI_HUM1_OLIGO_A_23_P206150	DAPK2 ^ Death-associated protein kinase 2 ^ 23604	5.420682377	1.623666667	0.299531785	3.081572357	1.86497634
872	AGI_HUM1_OLIGO_A_23_P10761	EPS8L2 ^ EPS8-like 2 ^ 64787	5.420095933	2.28	0.420656761	4.856779538	1.86497634
17350	AGI_HUM1_OLIGO_A_23_P41455	TRPC3 ^ Transient receptor potential cation channel, subfamily C, member 3 ^ 7222	5.419323574	2.454259259	0.452871881	5.480316671	1.86497634
1702	AGI_HUM1_OLIGO_A_23_P115759	ADAM8 ^ A disintegrin and metalloproteinase domain 8 ^ 101	5.409835392	1.556333333	0.287685894	2.941054122	1.86497634
39120	AGI_OLIGO_NM_014713_2_1282	LAPTM4A ^ Lysosomal-associated protein transmembrane 4 alpha ^ 9741	5.400591037	0.769	0.142391822	1.70408819	1.86497634
9287	AGI_HUM1_OLIGO_A_23_P209146	ZNF91 ^ Zinc finger protein 91 (HPF7, HTF10) ^ 7644	5.39917112	0.696333333	0.128970414	1.620381292	1.86497634
37671	AGI_OLIGO_NM_000729_2_586	CCK ^ Cholecystokinin ^ 885	5.390114504	1.507666667	0.27970958	2.843497758	1.86497634
23732	AGI_HUM1_OLIGO_A_23_P92490	DHR56 ^ Dehydrogenase/reductase (SDR family) member 6 ^ 56898	5.385396505	2.446	0.454191255	5.449032139	1.86497634
14310	AGI_HUM1_OLIGO_A_23_P342869	^ ^	5.383939604	2.389666667	0.443850942	5.240362695	1.86497634
31294	AGI_HUM1_OLIGO_A_24_P868583	^ ^	5.358827695	2.904	0.541909568	7.484987983	1.86497634
38719	AGI_OLIGO_NM_005558_2_2386	LAD1 ^ Ladinin 1 ^ 3898	5.353748385	1.919	0.358440454	3.781608467	1.86497634
11851	AGI_HUM1_OLIGO_A_23_P258463	PROM1 ^ Prominin 1 ^ 8842	5.347521662	1.685592593	0.315210054	3.216724974	1.86497634
15903	AGI_HUM1_OLIGO_A_23_P380076	FLJ35036 ^ Hypothetical protein FLJ35036 ^ 253461	5.315886754	2.197	0.413289466	4.585248743	1.86497634
23211	AGI_HUM1_OLIGO_A_23_P87709	FLJ22662 ^ Hypothetical protein FLJ22662 ^ 79887	5.303108478	2.247333333	0.423776661	4.748044095	1.86497634
8825	AGI_HUM1_OLIGO_A_23_P205493	LRP10 ^ Low density lipoprotein receptor-related protein 10 ^ 26020	5.302795139	1.174666667	0.221518395	2.257407178	1.86497634
3737	AGI_HUM1_OLIGO_A_23_P134160	DCDC2 ^ Doublecortin domain containing 2 ^ 51473	5.302510687	2.2306	0.420668648	4.693291276	1.86497634
22010	AGI_HUM1_OLIGO_A_23_P76364	CD9 ^ CD9 antigen (p24) ^ 928	5.298914566	0.963	0.181735332	1.949359262	1.86497634
10600	AGI_HUM1_OLIGO_A_23_P22526	HEPH ^ Hephaestin ^ 9843	5.294056733	3.366037037	0.635814312	10.31046173	1.86497634
37699	AGI_OLIGO_NM_000873_2_959	ICAM2 ^ Intercellular adhesion molecule 2 ^ 3384	5.286303721	3.807	0.720162934	13.99655624	1.86497634
903	AGI_HUM1_OLIGO_A_23_P107903	^ ^	5.286043268	1.604333333	0.303503633	3.040552148	1.86497634
28575	AGI_HUM1_OLIGO_A_24_P344961	AMOT ^ Angiomotin ^ 154796	5.283952657	1.465233333	0.277298725	2.761081232	1.86497634
17371	AGI_HUM1_OLIGO_A_23_P415021	DKFZP586A0522 ^ DKFZP586A0522 protein ^ 25840	5.280365131	1.328	0.25149776	2.510543983	1.86497634
12173	AGI_HUM1_OLIGO_A_23_P27315	EMILIN2 ^ Elastin microfibril interfacer 2 ^ 84034	5.274737438	2.772666667	0.525650177	6.833698825	1.86497634
23196	AGI_HUM1_OLIGO_A_23_P87564	BTG1 ^ B-cell translocation gene 1, anti-proliferative ^ 694	5.268412927	1.229333333	0.233340353	2.344586219	1.86497634
5288	AGI_HUM1_OLIGO_A_23_P148345	RNF128 ^ Ring finger protein 128 ^ 79589	5.264555276	2.210333333	0.419851862	4.627821866	1.86497634
37905	AGI_OLIGO_NM_001769_2_638	CD9 ^ CD9 antigen (p24) ^ 928	5.262420841	0.963666667	0.183122311	1.950260265	1.86497634
9083	AGI_HUM1_OLIGO_A_23_P207493	CROP ^ Cisplatin resistance-associated overexpressed protein ^ 51747	5.250549457	1.11	0.211406446	2.158456473	1.91893978

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
23532	AGI_HUM1_OLIGO_A_23_P90649	IRS1 ^ Insulin receptor substrate 1 ^ 3667	5.240446991	2.5	0.477058542	5.656854249	1.91893978
17783	AGI_HUM1_OLIGO_A_23_P424582	PPT2 ^ Palmitoyl-protein thioesterase 2 ^ 9374	5.23935696	1.331333333	0.25410243	2.516351277	1.91893978
7819	AGI_HUM1_OLIGO_A_23_P17130	MGC13057 ^ Hypothetical protein MGC13057 ^ 84281	5.236229009	0.799333333	0.152654388	1.740296753	1.91893978
20401	AGI_HUM1_OLIGO_A_23_P61371	LOC340061 ^ Hypothetical protein LOC340061 ^ 340061	5.226209508	1.284	0.245684755	2.435132037	1.91893978
655	AGI_HUM1_OLIGO_A_23_P105571	CHPT1 ^ Choline phosphotransferase 1 ^ 56994	5.223267468	1.076666667	0.206128955	2.109157259	1.91893978
9953	AGI_HUM1_OLIGO_A_23_P214501	HCG12 ^ HLA complex group 12 ^ 493826	5.217829947	1.255	0.240521445	2.386671486	1.91893978
17359	AGI_HUM1_OLIGO_A_23_P41487	^ ^	5.210880553	3.167	0.607766762	8.981771377	1.91893978
745	AGI_HUM1_OLIGO_A_23_P106481	LOC51234 ^ Hypothetical protein LOC51234 ^ 51234	5.195962604	1.143666667	0.220106793	2.209418427	1.91893978
14971	AGI_HUM1_OLIGO_A_23_P358528	PLA2G4D ^ Phospholipase A2, group IVD (cytosolic) ^ 283748	5.192177289	1.0105	0.194619703	2.014609189	1.91893978
22091	AGI_HUM1_OLIGO_A_23_P77076	SPPL2A ^ Putative intramembrane cleaving protease ^ 84888	5.189690938	1.084	0.208875637	2.119905567	1.91893978
22296	AGI_HUM1_OLIGO_A_23_P78867	RYR1 ^ Ryanodine receptor 1 (skeletal) ^ 6261	5.179754461	2.754041667	0.531693478	6.746043713	1.91893978
14215	AGI_HUM1_OLIGO_A_23_P340333	KIAA1754 ^ KIAA1754 ^ 85450	5.177277461	2.514333333	0.485647785	5.713335827	1.91893978
31155	AGI_HUM1_OLIGO_A_24_P82880	TPM4 ^ Tropomyosin 4 ^ 7171	5.170143966	1.018666667	0.197028685	2.02604563	1.91893978
13089	AGI_HUM1_OLIGO_A_23_P31399	PON2 ^ Paraoxonase 2 ^ 5445	5.162169944	0.826666667	0.160139375	1.773582778	1.91893978
18023	AGI_HUM1_OLIGO_A_23_P43019	Shax3 ^ Snf7 homologue associated with Alix 3 ^ 92421	5.153019816	2.342333333	0.454555468	5.071221654	1.91893978
22043	AGI_HUM1_OLIGO_A_23_P76659	CG018 ^ Hypothetical gene CG018 ^ 90634	5.145305989	2.185703704	0.42479567	4.549486456	1.91893978
10461	AGI_HUM1_OLIGO_A_23_P21862	^ ^	5.133662558	1.364666667	0.265827107	2.5751682	1.91893978
31124	AGI_HUM1_OLIGO_A_24_P820037	^ ^	5.13308017	1.837715344	0.358014152	3.574435313	1.91893978
3062	AGI_HUM1_OLIGO_A_23_P128174	RAB3IP ^ RAB3A interacting protein (rab3in) ^ 117177	5.131314975	1.436666667	0.279980214	2.706947048	1.91893978
34286	AGI_HUM1_OLIGO_A_32_P21993	TPM4 ^ Tropomyosin 4 ^ 7171	5.126083428	2.259333333	0.440752353	4.787701919	1.91893978
7143	AGI_HUM1_OLIGO_A_23_P165102	FUT3 ^ Fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group	5.121943078	0.879555556	0.171723024	1.839808433	1.91893978
13002	AGI_HUM1_OLIGO_A_23_P312150	EDN2 ^ Endothelin 2 ^ 1907	5.117041095	2.222	0.434235324	4.665397479	1.91893978
21329	AGI_HUM1_OLIGO_A_23_P70060	PPAP2A ^ Phosphatidic acid phosphatase type 2A ^ 8611	5.13308017	1.491	0.292661967	2.8108374	1.91893978
5250	AGI_HUM1_OLIGO_A_23_P147918	S100A16 ^ S100 calcium binding protein A16 ^ 140576	5.094139054	2.080333333	0.408377807	4.229049167	1.91893978
5192	AGI_HUM1_OLIGO_A_23_P147431	LYN ^ V-yes-1 Yamaguchi sarcoma viral related oncogene homolog ^ 4067	5.09205987	1.433666667	0.281549452	2.701323959	1.91893978
15432	AGI_HUM1_OLIGO_A_23_P369298	PERP ^ PERP, TP53 apoptosis effector ^ 64065	5.08966594	1.973	0.387648231	3.925836255	1.91893978
23849	AGI_HUM1_OLIGO_A_23_P93562	SESN1 ^ Sestrin 1 ^ 27244	5.088156445	0.888	0.174522936	1.850608856	1.91893978
19576	AGI_HUM1_OLIGO_A_23_P54029	SLC22A17 ^ Solute carrier family 22 (organic cation transporter), member 17 ^ 51310	5.070495243	1.492666667	0.294382816	2.814086483	1.94939914
15213	AGI_HUM1_OLIGO_A_23_P363966	C1RL ^ Complement component 1, r subcomponent-like ^ 51279	5.062825248	1.621666667	0.320308639	3.07730335	1.94939914
36808	AGI_OLIGO_AW753676_1_569	ZBTB10 ^ Zinc finger and BTB domain containing 10 ^ 65986	5.055752493	1.835516667	0.363055088	3.568991998	1.94939914
7565	AGI_HUM1_OLIGO_A_23_P168828	KLF10 ^ Kruppel-like factor 10 ^ 7071	5.055696177	1.783666667	0.352803374	3.443001159	1.94939914
24964	AGI_HUM1_OLIGO_A_24_P123601	DDR1 ^ Discoidin domain receptor family, member 1 ^ 780	5.051494497	1.386666667	0.274506221	2.614738494	1.94939914
38044	AGI_OLIGO_NM_002229_1_1653	JUNB ^ Jun B proto-oncogene ^ 3726	5.047256746	2.143333333	0.424653122	4.417816003	1.94939914
20643	AGI_HUM1_OLIGO_A_23_P63736	MGC16291 ^ Hypothetical protein MGC16291 ^ 84856	5.041168475	2.752	0.545905183	6.736503629	1.94939914
12068	AGI_HUM1_OLIGO_A_23_P26503	^ ^	5.033335057	1.603666667	0.318609162	3.03914744	1.94939914
37293	AGI_OLIGO_NKI_CONTIG753_RC	CACNA1D ^ Calcium channel, voltage-dependent, L type, alpha 1D subunit ^ 776	5.02974211	0.953333333	0.189539207	1.936341392	1.94939914
15667	AGI_HUM1_OLIGO_A_23_P37441	B2M ^ Beta-2-microglobulin ^ 567	5.028798099	1.696666667	0.337390095	3.241511445	1.94939914
10363	AGI_HUM1_OLIGO_A_23_P217866	IFI16 ^ Interferon, gamma-inducible protein 16 ^ 3428	5.027366119	4.748333333	0.944497222	26.87761711	1.94939914
35720	AGI_HUM1_OLIGO_A_23_P85999	CDH13 ^ Cadherin 13, H-cadherin (heart) ^ 1012	5.017052052	1.223	0.243768649	2.334316204	1.94939914
31412	AGI_HUM1_OLIGO_A_24_P910490	^ ^	5.008063317	1.239666667	0.247534144	2.361439651	1.94939914
24372	AGI_HUM1_OLIGO_A_23_P98402	^ ^	4.987274811	1.031333333	0.206792963	2.043912355	1.94939914
32627	AGI_HUM1_OLIGO_A_32_P104746	ZFYVE28 ^ Zinc finger, FYVE domain containing 28 ^ 57732	4.965046278	1.220333333	0.245784886	2.330005456	1.94939914
39718	AGI_OLIGO_NM_145809_1_3648	^ ^	4.962229464	1.185	0.238803951	2.273633946	1.94939914
8764	AGI_HUM1_OLIGO_A_23_P20502	SLC39A4 ^ Solute carrier family 39 (zinc transporter), member 4 ^ 55630	4.954106919	0.896666667	0.180994613	1.861759432	1.94939914
1388	AGI_HUM1_OLIGO_A_23_P112554	COL15A1 ^ Collagen, type XV, alpha 1 ^ 1306	4.945048146	2.143333333	0.433430226	4.417816003	1.94939914
24199	AGI_HUM1_OLIGO_A_23_P96931	C1orf26 ^ Chromosome 1 open reading frame 26 ^ 54823	4.942234814	1.340666667	0.271267294	2.532683266	1.94939914

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
26351	AGI_HUM1_OLIGO_A_24_P208567	IL18R1 ^ Interleukin 18 receptor 1 ^ 8809	4.942165028	1.133725	0.229398451	2.194245578	1.94939914
27612	AGI_HUM1_OLIGO_A_24_P286898	^ ^	4.939135001	0.770333333	0.155965231	1.70566383	1.94939914
26819	AGI_HUM1_OLIGO_A_24_P236437	DNCL12 ^ Dynein, cytoplasmic, light intermediate polypeptide 2 ^ 1783	4.937842311	0.733	0.148445405	1.662091723	1.94939914
2382	AGI_HUM1_OLIGO_A_23_P121716	ANXA3 ^ Annexin A3 ^ 306	4.936744236	2.391	0.484327299	5.245208057	1.94939914
16334	AGI_HUM1_OLIGO_A_23_P390172	RNASEL ^ Ribonuclease L (2',5'-oligoadenylate synthetase-dependent) ^ 6041	4.929290906	2.809333333	0.569926463	7.009605896	1.94939914
31733	AGI_HUM1_OLIGO_A_24_P921366	CALD1 ^ Caldesmon 1 ^ 800	4.922419185	1.919666667	0.389984395	3.783356345	1.94939914
38059	AGI_OLIGO_NM_002293_2_7752	LAMC1 ^ Laminin, gamma 1 (formerly LAMB2) ^ 3915	4.905538565	1.739333333	0.354565214	3.338808464	1.94939914
9819	AGI_HUM1_OLIGO_A_23_P213375	PCDH82 ^ Protocadherin beta 2 ^ 56133	4.903720749	1.633333333	0.333080413	3.102289524	1.94939914
26383	AGI_HUM1_OLIGO_A_24_P210399	TM9SF2 ^ Transmembrane 9 superfamily member 2 ^ 9375	4.890369005	0.684666667	0.140003068	1.607330566	2.27941553
425	AGI_HUM1_OLIGO_A_23_P103511	^ ^	4.884514553	1.646666667	0.33711982	3.131093665	2.27941553
11142	AGI_HUM1_OLIGO_A_23_P25224	CSDA ^ Cold shock domain protein A ^ 8531	4.876390769	2.997666667	0.614730609	7.98707171	2.27941553
39005	AGI_OLIGO_NM_012317_2_1012	LDOC1 ^ Leucine zipper, down-regulated in cancer 1 ^ 23641	4.875681661	1.793208333	0.36778618	3.465847878	2.27941553
36934	AGI_OLIGO_BC034048_1_3545	SCAMP1 ^ Secretory carrier membrane protein 1 ^ 9522	4.854987514	0.646666667	0.13319636	1.565546833	2.27941553
24017	AGI_HUM1_OLIGO_A_23_P9513	MTA1 ^ Metastasis associated 1 ^ 9112	4.850093949	0.803333333	0.16563253	1.745128575	2.27941553
29080	AGI_HUM1_OLIGO_A_24_P376483	HLA-A ^ Major histocompatibility complex, class I, A ^ 3105	4.845008142	2.317	0.478224171	4.982949662	2.27941553
20748	AGI_HUM1_OLIGO_A_23_P64743	STK38L ^ Serine/threonine kinase 38 like ^ 23012	4.842750219	1.222333333	0.252404786	2.33323777	2.27941553
36734	AGI_OLIGO_AL832814_1_2402	MGC19764 ^ Hypothetical protein MGC19764 ^ 162394	4.842737814	0.777666667	0.160584094	1.714355927	2.27941553
5782	AGI_HUM1_OLIGO_A_23_P152876	RAB34 ^ RAB34, member RAS oncogene family ^ 83871	4.835889417	2.543333333	0.525928762	5.829343164	2.27941553
38094	AGI_OLIGO_NM_002444_1_3597	MSN ^ Moesin ^ 4478	4.83417617	1.599	0.330769907	3.029332632	2.27941553
23281	AGI_HUM1_OLIGO_A_23_P88347	PLEKHC1 ^ Pleckstrin homology domain containing, family C (with FERM domain) me	4.832878042	1.788666667	0.370103829	3.454954393	2.27941553
38734	AGI_OLIGO_NM_005620_1_174	S100A11 ^ S100 calcium binding protein A11 (calgizzarin) ^ 6282	4.831375971	1.407333333	0.291290378	2.652464299	2.27941553
1242	AGI_HUM1_OLIGO_A_23_P111112	VARS2L ^ Valyl-tRNA synthetase 2-like ^ 57176	4.828982985	0.953	0.197350043	1.935894054	2.27941553
38796	AGI_OLIGO_NM_006113_3_4663	VAV3 ^ Vav 3 oncogene ^ 10451	4.828872087	2.464333333	0.510333115	5.518718635	2.27941553
26020	AGI_HUM1_OLIGO_A_24_P187921	MANEA ^ Mannosidase, endo-alpha ^ 79694	4.827044957	1.191844444	0.246909746	2.284446165	2.27941553
33760	AGI_HUM1_OLIGO_A_32_P184937	MGC4677 ^ Hypothetical protein MGC4677 ^ 112597	4.82336005	1.522666667	0.315685881	2.873216422	2.27941553
6341	AGI_HUM1_OLIGO_A_23_P157679	MGC14595 ^ Hypothetical protein MGC14595 ^ 84294	4.817744629	0.807	0.167505765	1.74956953	2.27941553
4038	AGI_HUM1_OLIGO_A_23_P137016	SAT ^ Spermidine/spermine N1-acetyltransferase ^ 6303	4.817486255	2.272333333	0.471684446	4.831038444	2.27941553
16410	AGI_HUM1_OLIGO_A_23_P391778	MACF1 ^ Microtubule-actin crosslinking factor 1 ^ 23499	4.799467926	0.632333333	0.131750716	1.550069963	2.27941553
23667	AGI_HUM1_OLIGO_A_23_P91910	PLSCR4 ^ Phospholipid scramblase 4 ^ 57088	4.795868673	2.501333333	0.521560014	5.66208471	2.27941553
37279	AGI_OLIGO_NKI_CONTIG55188_RC	RHBDL6 ^ Rhomboid, veinlet-like 6 (Drosophila) ^ 79651	4.785802924	1.026666667	0.21452339	2.03731162	2.27941553
12607	AGI_HUM1_OLIGO_A_23_P30283	UNQ1912 ^ HGS_RE408 ^ 345757	4.782737969	0.726666667	0.151935287	1.654811245	2.27941553
37525	AGI_OLIGO_NM_000237_1_3459	LPL ^ Lipoprotein lipase ^ 4023	4.78264712	2.499375	0.522592392	5.654404135	2.27941553
36246	AGI_OLIGO_AK001536_1_2389	^ CDNA FLJ10674 fis, clone NT2RP2006436 ^	4.782106507	1.237333333	0.25874232	2.357623479	2.27941553
23107	AGI_HUM1_OLIGO_A_23_P86726	PPYR1 ^ Pancreatic polypeptide receptor 1 ^ 5540	4.774731572	0.971	0.203362217	1.960198831	2.27941553
5249	AGI_HUM1_OLIGO_A_23_P147914	S100A16 ^ S100 calcium binding protein A16 ^ 140576	4.771785941	2.566666667	0.537883865	5.924390209	2.27941553
14817	AGI_HUM1_OLIGO_A_23_P354894	ZNF567 ^ Zinc finger protein 567 ^ 163081	4.761396001	0.885666667	0.186009873	1.847618205	2.27941553
19607	AGI_HUM1_OLIGO_A_23_P54283	CRI1 ^ CREBBP/EP300 inhibitor 1 ^ 23741	4.757994485	1.030666667	0.216617878	2.042968085	2.27941553
13436	AGI_HUM1_OLIGO_A_23_P3215	MDS009 ^ X 009 protein ^ 56986	4.754219559	0.713666667	0.150112265	1.639966866	2.27941553
489	AGI_HUM1_OLIGO_A_23_P104054	C1orf9 ^ Chromosome 1 open reading frame 9 ^ 51430	4.751114462	0.889	0.187113993	1.851892045	2.27941553
23053	AGI_HUM1_OLIGO_A_23_P86252	PIGC ^ Phosphatidylinositol glycan, class C ^ 5279	4.743023913	0.920333333	0.194039362	1.892552515	2.27941553
7895	AGI_HUM1_OLIGO_A_23_P17663	MX1 ^ Myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mo	4.736489158	1.565333333	0.330483884	2.95945872	2.5946228
38101	AGI_OLIGO_NM_002462_2_2647	MX1 ^ Myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mo	4.736430116	1.201333333	0.253636875	2.299520937	2.5946228
36852	AGI_OLIGO_BC010607_1_2539	IGF1R ^ Insulin-like growth factor 1 receptor ^ 3480	4.73546526	0.849333333	0.179355837	1.801668185	2.5946228
14852	AGI_HUM1_OLIGO_A_23_P35564	SEC31L2 ^ SEC31-like 2 (S. cerevisiae) ^ 25956	4.727793304	1.043333333	0.220680826	2.060984041	2.5946228
12384	AGI_HUM1_OLIGO_A_23_P29185	KIAA1043 ^ KIAA1043 protein ^ 23331	4.723792223	1.026	0.217198376	2.0363704	2.5946228
21200	AGI_HUM1_OLIGO_A_23_P68868	^ ^	4.72274462	0.627	0.132761784	1.544350266	2.5946228

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: **Positive genes (934)** and **Negative genes (297)**

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
28550	AGI_HUM1_OLIGO_A_24_P343233	HLA-DRB1 ^ Major histocompatibility complex, class II, DR beta 4 ^ 3123	4.707165719	2.541333333	0.539886098	5.821267578	2.5946228
8670	AGI_HUM1_OLIGO_A_23_P204286	MGP ^ Matrix Gla protein ^ 4256	4.706047238	2.335	0.496170115	5.045509635	2.5946228
24282	AGI_HUM1_OLIGO_A_23_P97623	RRAGC ^ Ras-related GTP binding C ^ 64121	4.702157592	1.041333333	0.22145862	2.05812889	2.5946228
34545	AGI_HUM1_OLIGO_A_32_P24125	FLJ32926 ^ Hypothetical protein FLJ32926 ^ 93233	4.701175136	0.973483333	0.207072339	1.963575857	2.5946228
2385	AGI_HUM1_OLIGO_A_23_P121772	FRG1 ^ FSHD region gene 1 ^ 2483	4.70041029	1.158	0.246361472	2.231478645	2.5946228
34040	AGI_HUM1_OLIGO_A_32_P203786	^ ^	4.698305999	3.071	0.653639844	8.403556352	2.5946228
36575	AGI_OLIGO_AK097956_1_1063	LOC286144 ^ Hypothetical protein LOC286144 ^ 286144	4.697187367	1.151666667	0.245182186	2.221704075	2.5946228
15641	AGI_HUM1_OLIGO_A_23_P373819	TUSC1 ^ Tumor suppressor candidate 1 ^ 286319	4.688124588	2.503	0.533902193	5.668629586	2.5946228
8441	AGI_HUM1_OLIGO_A_23_P202435	ADD3 ^ Adducin 3 (gamma) ^ 120	4.683819123	1.781	0.380245256	3.43664302	2.5946228
15665	AGI_HUM1_OLIGO_A_23_P37435	B2M ^ Beta-2-microglobulin ^ 567	4.675264203	1.909333333	0.408390467	3.756354791	2.5946228
30768	AGI_HUM1_OLIGO_A_24_P712350	CHML ^ Choroideremia-like (Rab escort protein 2) ^ 1122	4.667907668	0.909	0.194733929	1.877743495	2.5946228
37211	AGI_OLIGO_NKI_AF161553	IVNS1ABP ^ Influenza virus NS1A binding protein ^ 10625	4.65962082	1.176666667	0.252524124	2.260538779	2.5946228
4428	AGI_HUM1_OLIGO_A_23_P140646	CYFIP1 ^ Cytoplasmic FMR1 interacting protein 1 ^ 23191	4.657199943	0.765333333	0.164333364	1.699762681	2.5946228
25017	AGI_HUM1_OLIGO_A_24_P12626	CAV1 ^ Caveolin 1, caveolae protein, 22kDa ^ 857	4.656574307	0.670666667	0.144025763	1.591808369	2.5946228
2178	AGI_HUM1_OLIGO_A_23_P120048	BAZ2B ^ Bromodomain adjacent to zinc finger domain, 2B ^ 29994	4.640288109	0.871	0.187703862	1.828930179	2.5946228
5611	AGI_HUM1_OLIGO_A_23_P151394	TM9SF2 ^ Transmembrane 9 superfamily member 2 ^ 9375	4.638179016	0.753333333	0.162420064	1.68568309	2.5946228
23052	AGI_HUM1_OLIGO_A_23_P86250	PIGC ^ Phosphatidylinositol glycan, class C ^ 5279	4.637634211	1.170333333	0.25235568	2.250636917	2.5946228
8823	AGI_HUM1_OLIGO_A_23_P205489	SLC7A8 ^ Solute carrier family 7 (cationic amino acid transporter, y+ system), membe	4.636065211	1.332	0.287312611	2.517514347	2.5946228
38778	AGI_OLIGO_NM_005962_2_2342	MXI1 ^ MAX interactor 1 ^ 4601	4.635297572	0.998666667	0.215448232	1.998152461	2.5946228
9077	AGI_HUM1_OLIGO_A_23_P207445	MAP2K6 ^ Mitogen-activated protein kinase kinase 6 ^ 5608	4.634441905	1.770333333	0.381994935	3.41132766	2.5946228
32535	AGI_HUM1_OLIGO_A_24_P98263	EBAG9 ^ Estrogen receptor binding site associated, antigen, 9 ^ 9166	4.628725132	0.760333333	0.164264093	1.693881949	2.5946228
2455	AGI_HUM1_OLIGO_A_23_P122439	BTN2A2 ^ Butyrophilin, subfamily 2, member A2 ^ 10385	4.624404991	1.266666667	0.273909112	2.406050072	2.5946228
7972	AGI_HUM1_OLIGO_A_23_P18372	B3GNT5 ^ UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5 ^ 84002	4.620288851	2.24	0.484818173	4.723970646	2.5946228
2828	AGI_HUM1_OLIGO_A_23_P126037	RLF ^ Rearranged L-myc fusion sequence ^ 6018	4.615311242	0.764	0.165535965	1.698192493	2.5946228
39414	AGI_OLIGO_NM_021572_2_2378	ENPP5 ^ Ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative function) ^	4.612952306	1.581	0.342730619	2.991771517	2.5946228
8445	AGI_HUM1_OLIGO_A_23_P202474	BCCIP ^ BRCA2 and CDKN1A interacting protein ^ 56647	4.607332717	0.93	0.201852147	1.905275996	2.5946228
807	AGI_HUM1_OLIGO_A_23_P107051	TCAP ^ Titin-cap (teletonin) ^ 8557	4.600028751	0.74	0.16086856	1.670175839	2.5946228
6249	AGI_HUM1_OLIGO_A_23_P156852	PECI ^ Peroxisomal D3,D2-enoyl-CoA isomerase ^ 10455	4.595033883	2.98	0.64852623	7.889861636	2.5946228
6224	AGI_HUM1_OLIGO_A_23_P156645	HLA-G ^ HLA-G histocompatibility antigen, class I, G ^ 3135	4.583111413	2.505	0.546571919	5.676493425	2.5946228
20663	AGI_HUM1_OLIGO_A_23_P63929	WDR11 ^ WD repeat domain 11 ^ 55717	4.580050007	0.751	0.163972009	1.682958965	2.5946228
38000	AGI_OLIGO_NM_002064_1_1177	GLRX ^ Glutaredoxin (thioltransferase) ^ 2745	4.578365917	0.882666667	0.192790765	1.843780183	2.5946228
18716	AGI_HUM1_OLIGO_A_23_P47685	TRIM21 ^ Tripartite motif-containing 21 ^ 6737	4.576792853	1.979333333	0.432471689	3.943108294	2.5946228
34019	AGI_HUM1_OLIGO_A_32_P202502	EFHA2 ^ EF hand domain family, member A2 ^ 286097	4.572335581	1.912333333	0.418239934	3.764174038	2.68768222
15049	AGI_HUM1_OLIGO_A_23_P3602	^ ^	4.561838398	1.793333333	0.393116366	3.466148183	2.68768222
6841	AGI_HUM1_OLIGO_A_23_P162425	CGI-141 ^ CGI-141 protein ^ 51026	4.55785328	0.728266667	0.159782824	1.656647508	2.68768222
21481	AGI_HUM1_OLIGO_A_23_P71415	FLJ10204 ^ Hypothetical protein FLJ10204 ^ 55093	4.557710767	0.757666667	0.166238427	1.690753883	2.68768222
21716	AGI_HUM1_OLIGO_A_23_P73589	MSN ^ Moesin ^ 4478	4.554976117	3.039333333	0.667255602	8.221110776	2.68768222
27348	AGI_HUM1_OLIGO_A_24_P270460	IFI27 ^ Interferon, alpha-inducible protein 27 ^ 3429	4.550699738	2.917	0.641000323	7.552739353	2.68768222
8069	AGI_HUM1_OLIGO_A_23_P19322	C6orf64 ^ Chromosome 6 open reading frame 64 ^ 55776	4.540516961	1.062666667	0.234040898	2.088788857	2.68768222
11754	AGI_HUM1_OLIGO_A_23_P257649	RBP1 ^ Retinol binding protein 1, cellular ^ 5947	4.540116865	2.261333333	0.498078221	4.794343686	2.68768222
3552	AGI_HUM1_OLIGO_A_23_P132456	CCNL1 ^ Cyclin L1 ^ 57018	4.539715209	1.166666667	0.256991158	2.244924097	2.68768222
2953	AGI_HUM1_OLIGO_A_23_P127220	DNAJC12 ^ DnaJ (Hsp40) homolog, subfamily C, member 12 ^ 56521	4.538501633	4.164666667	0.917630311	17.93451302	2.68768222
12843	AGI_HUM1_OLIGO_A_23_P30848	HLA-E ^ Major histocompatibility complex, class I, E ^ 3133	4.531880049	2.102666667	0.463972268	4.29502541	2.68768222
14285	AGI_HUM1_OLIGO_A_23_P342091	C6orf130 ^ Chromosome 6 open reading frame 130 ^ 221443	4.517559887	1.009666667	0.223498236	2.013445842	2.68768222
34968	AGI_HUM1_OLIGO_A_32_P43050	FRG1 ^ FSHD region gene 1 ^ 2483	4.51120055	0.897333333	0.198912312	1.862619947	2.68768222
38250	AGI_OLIGO_NM_003186_2_970	TAGLN ^ Transgelin ^ 6876	4.507563085	1.132	0.251133479	2.191623533	2.68768222

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
7820	AGI_HUM1_OLIGO_A_23_P171310	FUNDC2 ^ FUN14 domain containing 2 ^ 65991	4.504898484	0.593666667	0.131782474	1.509077257	2.68768222
7335	AGI_HUM1_OLIGO_A_23_P16682	FLJ20244 ^ Hypothetical protein FLJ20244 ^ 55621	4.494046604	0.746666667	0.166145733	1.67791155	2.68768222
11627	AGI_HUM1_OLIGO_A_23_P256540	MRPL33 ^ Mitochondrial ribosomal protein L33 ^ 9553	4.493639203	1.389333333	0.309177767	2.619576027	2.68768222
19630	AGI_HUM1_OLIGO_A_23_P54477	NOLA3 ^ Nucleolar protein family A, member 3 (H/ACA small nucleolar RNPs) ^ 5550	4.49228482	1.138333333	0.253397409	2.20126576	2.68768222
36476	AGI_OLIGO_AK093890_1_2091	FER1L3 ^ Fer-1-like 3, myoferlin (C. elegans) ^ 26509	4.484315417	1.543666667	0.344236862	2.915345092	2.68768222
32398	AGI_HUM1_OLIGO_A_24_P943283	FLJ20054 ^ Family with sequence similarity 31, member B ^ 54530	4.481670139	1.646666667	0.367422549	3.131093665	2.68768222
6592	AGI_HUM1_OLIGO_A_23_P160214	C1orf34 ^ Chromosome 1 open reading frame 34 ^ 22996	4.478516575	1.276666667	0.285064629	2.422785474	2.68768222
1484	AGI_HUM1_OLIGO_A_23_P113471	FLJ31204 ^ Hypothetical protein FLJ31204 ^ 158584	4.473944405	2.133333333	0.476835012	4.387299919	2.68768222
27548	AGI_HUM1_OLIGO_A_24_P282363	^ ^	4.464700582	1.608333333	0.36023319	3.048994047	2.68768222
22226	AGI_HUM1_OLIGO_A_23_P78289	FLJ14775 ^ Hypothetical protein FLJ14775 ^ 84923	4.460268923	0.578333333	0.129663333	1.493123328	2.68768222
35360	AGI_HUM1_OLIGO_A_32_P63162	^ ^	4.459688938	0.973333333	0.218251395	1.96337171	2.68768222
256	AGI_HUM1_OLIGO_A_23_P101949	ARL5 ^ ADP-ribosylation factor-like 5 ^ 26225	4.450755538	0.777666667	0.174726889	1.714355927	2.68768222
37213	AGI_OLIGO_NKI_AF257175	PECI ^ Peroxisomal D3,D2-enoyl-CoA isomerase ^ 10455	4.443136423	2.972666667	0.669046904	7.849858599	2.68768222
20860	AGI_HUM1_OLIGO_A_23_P65767	C15orf15 ^ Chromosome 15 open reading frame 15 ^ 51187	4.437108275	0.866666667	0.195322407	1.823444977	2.68768222
16613	AGI_HUM1_OLIGO_A_23_P396858	FZD8 ^ Frizzled homolog 8 (Drosophila) ^ 8325	4.436865215	1.268333333	0.285862489	2.408831256	2.68768222
7495	AGI_HUM1_OLIGO_A_23_P1682	LOC120224 ^ Hypothetical protein BC016153 ^ 120224	4.435157695	1.536666667	0.346473964	2.901234011	2.68768222
13904	AGI_HUM1_OLIGO_A_23_P33285	CRIP1 ^ Cysteine-rich protein 1 (intestinal) ^ 1396	4.432387827	2.093333333	0.472281175	4.267328972	2.68768222
28151	AGI_HUM1_OLIGO_A_24_P32085	MOBK12B ^ MOB1, Mps One Binder kinase activator-like 2B (yeast) ^ 79817	4.430802793	1.920333333	0.433405282	3.785105031	2.68768222
17474	AGI_HUM1_OLIGO_A_23_P417282	IGF1R ^ Insulin-like growth factor 1 receptor ^ 3480	4.42935328	1.914666667	0.43226777	3.770266926	2.68768222
10010	AGI_HUM1_OLIGO_A_23_P214950	PERP ^ PERP, TP53 apoptosis effector ^ 64065	4.415326127	1.993333333	0.45145778	3.981558716	2.68768222
28750	AGI_HUM1_OLIGO_A_24_P355876	TEGT ^ Testis enhanced gene transcript (BAX inhibitor 1) ^ 7009	4.413059969	0.841333333	0.19064625	1.791705264	2.68768222
23501	AGI_HUM1_OLIGO_A_23_P90369	C19orf6 ^ Chromosome 19 open reading frame 6 ^ 91304	4.409727664	0.585333333	0.132736844	1.500385612	2.87368322
38060	AGI_OLIGO_NM_002293_2_7801	LAMC1 ^ Laminin, gamma 1 (formerly LAMB2) ^ 3915	4.407724929	2.916666667	0.661717034	7.550994501	2.87368322
11922	AGI_HUM1_OLIGO_A_23_P259116	TNFAIP8 ^ Tumor necrosis factor, alpha-induced protein 8 ^ 25816	4.403459195	2.212333333	0.502408047	4.634241838	2.87368322
38102	AGI_OLIGO_NM_002462_2_2693	MX1 ^ Myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mo	4.400902325	2.172	0.493535153	4.506476914	2.87368322
35153	AGI_HUM1_OLIGO_A_32_P50614	^ ^	4.399545973	1.316185185	0.299163867	2.490068077	2.87368322
37464	AGI_OLIGO_NM_000087_1_2405	CNGA1 ^ Cyclic nucleotide gated channel alpha 1 ^ 1259	4.390570956	2.512	0.572135156	5.704102869	2.87368322
13466	AGI_HUM1_OLIGO_A_23_P3221	SQRDL ^ Sulfide quinone reductase-like (yeast) ^ 58472	4.390082648	2.196666667	0.500370231	4.584189448	2.87368322
5950	AGI_HUM1_OLIGO_A_23_P154235	NMI ^ N-myc (and STAT) interactor ^ 9111	4.389887351	2.366666667	0.539117858	5.157481234	2.87368322
5410	AGI_HUM1_OLIGO_A_23_P149529	TACSTD2 ^ Tumor-associated calcium signal transducer 2 ^ 4070	4.389713461	1.006666667	0.229324004	2.009263349	2.87368322
23740	AGI_HUM1_OLIGO_A_23_P9255	SYK ^ Spleen tyrosine kinase ^ 6850	4.388848254	1.667	0.379826301	3.175535724	2.87368322
28889	AGI_HUM1_OLIGO_A_24_P364363	TNFRSF1A ^ Tumor necrosis factor receptor superfamily, member 1A ^ 7132	4.387161582	1.672666667	0.381263976	3.188033229	2.87368322
22611	AGI_HUM1_OLIGO_A_23_P81880	CTDSP2 ^ CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small ph	4.386476662	1.322333333	0.301456826	2.500702323	2.87368322
16508	AGI_HUM1_OLIGO_A_23_P394064	PTRF ^ Polymerase I and transcript release factor ^ 284119	4.382705032	1.745666667	0.398308044	3.353497826	2.87368322
37709	AGI_OLIGO_NM_000900_1_59	MGP ^ Matrix Gla protein ^ 4256	4.375995088	2.029333333	0.463742141	4.082161708	2.87368322
1627	AGI_HUM1_OLIGO_A_23_P115022	MGC17299 ^ Hypothetical protein MGC17299 ^ 128218	4.373333012	1.255333333	0.287042704	2.387222988	2.87368322
430	AGI_HUM1_OLIGO_A_23_P103561	NAV1 ^ Neuron navigator 1 ^ 89796	4.367362479	0.663666667	0.151960518	1.584103574	2.87368322
14582	AGI_HUM1_OLIGO_A_23_P349481	FLJ35630 ^ Hypothetical protein FLJ35630 ^ 166379	4.361303276	2.487	0.570242389	5.606109796	2.87368322
17804	AGI_HUM1_OLIGO_A_23_P42514	^ ^	4.359740596	0.919	0.210792358	1.890804234	2.87368322
25948	AGI_HUM1_OLIGO_A_24_P184305	BBS1 ^ Bardet-Biedl syndrome 1 ^ 582	4.359452659	1.701049206	0.390197885	3.251373301	2.87368322
6876	AGI_HUM1_OLIGO_A_23_P162746	CRYL1 ^ Crystallin, lambda 1 ^ 51084	4.356764816	1.03	0.236413955	2.042024251	2.87368322
12984	AGI_HUM1_OLIGO_A_23_P311740	PARC ^ P53-associated parkin-like cytoplasmic protein ^ 23113	4.356420662	1.377666667	0.316238209	2.59847768	2.87368322
6548	AGI_HUM1_OLIGO_A_23_P159764	POF1B ^ Premature ovarian failure, 1B ^ 79983	4.35463603	2.091866667	0.480376925	4.262992942	2.87368322
13253	AGI_HUM1_OLIGO_A_23_P31765	PKIA ^ Protein kinase (cAMP-dependent, catalytic) inhibitor alpha ^ 5569	4.353433382	3.495666667	0.802967764	11.2797772	2.87368322
15771	AGI_HUM1_OLIGO_A_23_P376799	^ ^	4.338451589	0.581666667	0.134072411	1.496577164	2.87368322
36267	AGI_OLIGO_AK023329_1_1638	^ CDNA FLJ13267 fis, clone OVARC1000964 ^	4.338025882	1.204666667	0.277699281	2.304840101	2.87368322

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
19800	AGI_HUM1_OLIGO_A_23_P55936	FCGRT ^ Fc fragment of IgG, receptor, transporter, alpha ^ 2217	4.332996933	1.815333333	0.418955601	3.519409366	2.87368322
34888	AGI_HUM1_OLIGO_A_32_P40456	^ Transcribed locus, weakly similar to NP_078810.1 Homo sapiens FLJ12684 gene ^	4.324366301	2.191666667	0.506817997	4.568329357	2.87368322
20834	AGI_HUM1_OLIGO_A_23_P65518	DACT1 ^ Dapper homolog 1, antagonist of beta-catenin (xenopus) ^ 51339	4.318044896	1.345333333	0.311560756	2.540888967	2.87368322
37712	AGI_OLIGO_NM_000909_2_2591	NPY1R ^ Neuropeptide Y receptor Y1 ^ 4886	4.309623913	1.186666667	0.27535272	2.276262069	2.87368322
8862	AGI_HUM1_OLIGO_A_23_P205768	ARPP-19 ^ Cyclic AMP phosphoprotein, 19 kD ^ 10776	4.306889262	0.753333333	0.17491356	1.68568309	2.87368322
37092	AGI_OLIGO_BM969703_1_78	^ ^	4.302129283	1.406333333	0.326892392	2.650626388	2.87368322
13233	AGI_HUM1_OLIGO_A_23_P31713	^ Hypothetical gene supported by BC055092 ^ 401466	4.299828977	1.161	0.270010739	2.236123702	2.87368322
8340	AGI_HUM1_OLIGO_A_23_P201628	LAMC1 ^ Laminin, gamma 1 (formerly LAMB2) ^ 3915	4.299106907	1.512666667	0.351856025	2.853369667	2.87368322
2885	AGI_HUM1_OLIGO_A_23_P126593	S100A11 ^ S100 calcium binding protein A11 (calgizzarin) ^ 6282	4.298368854	1.244666667	0.289567208	2.369637976	2.87368322
36580	AGI_OLIGO_AK098212_1_3017	FLJ10359 ^ Protein BAP28 ^ 55127	4.298163554	0.848	0.197293563	1.80000386	2.87368322
22261	AGI_HUM1_OLIGO_A_23_P78554	FBXL12 ^ F-box and leucine-rich repeat protein 12 ^ 54850	4.297312553	0.817666667	0.190273958	1.762553033	2.87368322
38593	AGI_OLIGO_NM_004888_2_469	ATP6V1G1 ^ ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G isoform 1 ^ 955	4.296135211	0.928333333	0.216085688	1.903076206	2.87368322
30188	AGI_HUM1_OLIGO_A_24_P53976	GLUL ^ Glutamate-ammonia ligase (glutamine synthase) ^ 2752	4.293119688	1.844666667	0.429679767	3.591699537	2.87368322
5907	AGI_HUM1_OLIGO_A_23_P153905	IER2 ^ Immediate early response 2 ^ 9592	4.287730918	2.069666667	0.482695091	4.197896702	2.87368322
20918	AGI_HUM1_OLIGO_A_23_P66260	ZNF267 ^ Zinc finger protein 267 ^ 10308	4.281540732	0.908666667	0.212228897	1.877309694	2.87368322
17744	AGI_HUM1_OLIGO_A_23_P42347	ETV7 ^ Ets variant gene 7 (TEL2 oncogene) ^ 51513	4.280387345	1.363333333	0.318507	2.572789339	2.87368322
5102	AGI_HUM1_OLIGO_A_23_P146548	MOBK12B ^ MOB1, Mps One Binder kinase activator-like 2B (yeast) ^ 79817	4.279404579	1.139259259	0.266219106	2.202678993	2.87368322
1386	AGI_HUM1_OLIGO_A_23_P112541	HDHD3 ^ Haloacid dehalogenase-like hydrolase domain containing 3 ^ 81932	4.272685788	0.685666667	0.160476735	1.608445069	2.87368322
23195	AGI_HUM1_OLIGO_A_23_P87560	BTG1 ^ B-cell translocation gene 1, anti-proliferative ^ 694	4.269167277	1.005333333	0.235486986	2.007407253	2.87368322
36719	AGI_OLIGO_AL832719_1_4101	GCNT2 ^ Glucosaminyl (N-acetyl) transferase 2, I-branching enzyme ^ 2651	4.268938738	1.075666667	0.251975194	2.107695809	2.87368322
8822	AGI_HUM1_OLIGO_A_23_P205480	SLC7A8 ^ Solute carrier family 7 (cationic amino acid transporter, y+ system), membe	4.267225014	2.72	0.637416586	6.588728138	2.87368322
34280	AGI_HUM1_OLIGO_A_32_P219520	TNFAIP8 ^ Tumor necrosis factor, alpha-induced protein 8 ^ 25816	4.265182473	2.152333333	0.504628664	4.445461916	2.87368322
30378	AGI_HUM1_OLIGO_A_24_P59607	^ ^	4.262090247	1.115	0.261608726	2.165950091	2.87368322
22185	AGI_HUM1_OLIGO_A_23_P7791	OGFRL1 ^ Opioid growth factor receptor-like 1 ^ 79627	4.257995489	1.623333333	0.381243554	3.080860445	2.87368322
22873	AGI_HUM1_OLIGO_A_23_P84388	ITLN1 ^ Intelectin 1 (galactofuranose binding) ^ 55600	4.257723657	0.734733333	0.172564824	1.664089852	2.87368322
16163	AGI_HUM1_OLIGO_A_23_P386030	SNTB1 ^ Syntrophin, beta 1 (dystrophin-associated protein A1, 59kDa, basic compon	4.256025319	1.242037037	0.291830275	2.365322723	2.87368322
30798	AGI_HUM1_OLIGO_A_24_P71973	KDR ^ Kinase insert domain receptor (a type III receptor tyrosine kinase) ^ 3791	4.253294759	0.890851852	0.209449827	1.854270671	2.87368322
16442	AGI_HUM1_OLIGO_A_23_P392529	C21orf81 ^ Chromosome 21 open reading frame 81 ^ 114035	4.249175996	1.896	0.446204159	3.721798631	2.87368322
23401	AGI_HUM1_OLIGO_A_23_P89431	CCL2 ^ Chemokine (C-C motif) ligand 2 ^ 6347	4.244733365	3.136333333	0.738876406	8.792865089	3.1670754
14193	AGI_HUM1_OLIGO_A_23_P340123	TRIM29 ^ Tripartite motif-containing 29 ^ 23650	4.242848038	1.3342	0.314458587	2.521356293	3.1670754
37294	AGI_OLIGO_NKI_CONTIG8581_RC	^ ^	4.240362395	1.083333333	0.255481309	2.118926189	3.1670754
19375	AGI_HUM1_OLIGO_A_23_P52046	VAMP4 ^ Vesicle-associated membrane protein 4 ^ 8674	4.233683608	1.084333333	0.25612054	2.120395426	3.1670754
28439	AGI_HUM1_OLIGO_A_24_P337592	BTN2A2 ^ Butyrophilin, subfamily 2, member A2 ^ 10385	4.232563648	0.966666667	0.228387981	1.954319937	3.1670754
25377	AGI_HUM1_OLIGO_A_24_P148043	FAM20B ^ Family with sequence similarity 20, member B ^ 9917	4.226107235	1.130666667	0.267543298	2.189598978	3.1670754
28427	AGI_HUM1_OLIGO_A_24_P337058	CCNL1 ^ Cyclin L1 ^ 57018	4.21953178	1.332	0.315674835	2.517514347	3.1670754
4942	AGI_HUM1_OLIGO_A_23_P145096	PLA2G7 ^ Phospholipase A2, group VII (platelet-activating factor acetylhydrolase, pla	4.218589059	1.129	0.267625024	2.187070915	3.1670754
14729	AGI_HUM1_OLIGO_A_23_P352957	USP36 ^ Ubiquitin specific protease 36 ^ 57602	4.216740084	1.840333333	0.436435089	3.580927558	3.1670754
8113	AGI_HUM1_OLIGO_A_23_P19673	SGK ^ Serum/glucocorticoid regulated kinase ^ 6446	4.212179559	1.916333333	0.454950532	3.774625026	3.1670754
39186	AGI_OLIGO_NM_015548_1_16296	DST ^ Dystonin ^ 667	4.207310553	1.713333333	0.407227684	3.279175994	3.1670754
38148	AGI_OLIGO_NM_002648_1_1769	PIM1 ^ Pim-1 oncogene ^ 5292	4.20606831	0.901333333	0.214293556	1.867791391	3.1670754
36247	AGI_OLIGO_AK001536_1_2390	^ CDNA FLJ10674 fis, clone NT2RP2006436 ^	4.205228694	1.385333333	0.329431152	2.612323079	3.1670754
15942	AGI_HUM1_OLIGO_A_23_P380945	FLJ32191 ^ Hypothetical protein FLJ32191 ^ 147923	4.204865514	1.071666667	0.254863482	2.101860129	3.1670754
30295	AGI_HUM1_OLIGO_A_24_P57528	SLC39A11 ^ Solute carrier family 39 (metal ion transporter), member 11 ^ 201266	4.204068936	1.922	0.457176138	3.789480282	3.1670754
10320	AGI_HUM1_OLIGO_A_23_P217528	KLF8 ^ Kruppel-like factor 8 ^ 11279	4.202066535	4.082208333	0.971476367	16.93819611	3.1670754
32371	AGI_HUM1_OLIGO_A_24_P942730	FLJ35867 ^ Hypothetical protein FLJ35867 ^ 146050	4.198094168	0.862666667	0.205490071	1.818396316	3.1670754
22197	AGI_HUM1_OLIGO_A_23_P78018	ABCA5 ^ ATP-binding cassette, sub-family A (ABC1), member 5 ^ 23461	4.197701687	1.176666667	0.280312122	2.260538779	3.1670754

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
34495	AGI_HUM1_OLIGO_A_32_P2333	PC4 ^ Activated RNA polymerase II transcription cofactor 4 ^ 10923	4.195986832	0.819666667	0.195345386	1.764998144	3.1670754
1556	AGI_HUM1_OLIGO_A_23_P114172	FLJ20298 ^ FLJ20298 protein ^ 54885	4.194269467	1.249333333	0.297866731	2.377315423	3.1670754
26699	AGI_HUM1_OLIGO_A_24_P229726	^ ^	4.192102939	1.072037037	0.255727746	2.102399791	3.1670754
14867	AGI_HUM1_OLIGO_A_23_P356088	TMEM23 ^ Transmembrane protein 23 ^ 259230	4.189546623	1.461333333	0.348804648	2.753627353	3.1670754
13411	AGI_HUM1_OLIGO_A_23_P3212	MDS009 ^ X 009 protein ^ 56986	4.187393111	0.743666667	0.177596573	1.674426056	3.1670754
9683	AGI_HUM1_OLIGO_A_23_P21234	^ ^	4.187142479	1.098333333	0.262310953	2.141072032	3.1670754
12548	AGI_HUM1_OLIGO_A_23_P301530	ANK3 ^ Ankyrin 3, node of Ranvier (ankyrin G) ^ 288	4.18646093	0.880333333	0.210281034	1.840800567	3.1670754
36715	AGI_OLIGO_AL832675_1_6484	^ ^	4.184574699	0.949666667	0.226944608	1.931426352	3.1670754
38663	AGI_OLIGO_NM_005252_2_1501	FOS ^ V-fos FBJ murine osteosarcoma viral oncogene homolog ^ 2353	4.175910947	3.136666667	0.751133515	8.794896907	3.1670754
8172	AGI_HUM1_OLIGO_A_23_P200239	DJ167A19.1 ^ Hypothetical protein DJ167A19.1 ^ 54432	4.171327067	0.850333333	0.203851992	1.802917439	3.1670754
16443	AGI_HUM1_OLIGO_A_23_P392541	SPG20 ^ Spastic paraplegia 20, spartin (Trojer syndrome) ^ 23111	4.161321455	1.757444444	0.422328451	3.380986942	3.1670754
718	AGI_HUM1_OLIGO_A_23_P106192	FOS ^ V-fos FBJ murine osteosarcoma viral oncogene homolog ^ 2353	4.160022581	3.436666667	0.826117311	10.82778819	3.1670754
21367	AGI_HUM1_OLIGO_A_23_P70409	POLR1C ^ Polymerase (RNA) I polypeptide C, 30kDa ^ 9533	4.156603682	0.847	0.203772133	1.798756624	3.1670754
38367	AGI_OLIGO_NM_003739_4_1128	AKR1C3 ^ Aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase) ^ 23111	4.154555812	2.040333333	0.491107455	4.113405595	3.1670754
38722	AGI_OLIGO_NM_005562_1_5085	LAMC2 ^ Laminin, gamma 2 ^ 3918	4.153574612	3.046666667	0.73350474	8.263005721	3.1670754
38711	AGI_OLIGO_NM_005544_1_5682	IRS1 ^ Insulin receptor substrate 1 ^ 3667	4.153186484	3.514333333	0.846177591	11.42667165	3.1670754
10131	AGI_HUM1_OLIGO_A_23_P215956	MYC ^ V-myc myelocytomatosis viral oncogene homolog (avian) ^ 4609	4.152111996	2	0.481682576	4	3.1670754
13493	AGI_HUM1_OLIGO_A_23_P32279	BARX1 ^ BarH-like homeobox 1 ^ 56033	4.151883882	0.961666667	0.231621764	1.947558504	3.1670754
17682	AGI_HUM1_OLIGO_A_23_P422222	C6orf62 ^ Chromosome 6 open reading frame 62 ^ 81688	4.150395057	0.87	0.2096186	1.8276629	3.1670754
10482	AGI_HUM1_OLIGO_A_23_P218774	RAC2 ^ Ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein) ^ 23111	4.14938197	1.645666667	0.396605248	3.128924108	3.1670754
10856	AGI_HUM1_OLIGO_A_23_P24883	ST5 ^ Suppression of tumorigenicity 5 ^ 6764	4.143077574	1.049333333	0.25327388	2.069573281	3.1670754
8121	AGI_HUM1_OLIGO_A_23_P19770	DPP6 ^ Dipeptidylpeptidase 6 ^ 1804	4.137934208	1.243148148	0.300427239	2.36714511	3.1670754
2204	AGI_HUM1_OLIGO_A_23_P120252	DUSP22 ^ Dual specificity phosphatase 22 ^ 56940	4.137856967	0.881333333	0.212992701	1.842076955	3.1670754
25881	AGI_HUM1_OLIGO_A_24_P179611	TPR ^ Translocated promoter region (to activated MET oncogene) ^ 7175	4.128772115	0.731333333	0.177130952	1.660172708	3.1670754
35913	AGI_HUM1_OLIGO_A_32_P9753	VMP1 ^ Likely ortholog of rat vacuole membrane protein 1 ^ 81671	4.124100624	2.572	0.623651126	5.946331938	3.1670754
4321	AGI_HUM1_OLIGO_A_23_P139669	SLC2A3 ^ Solute carrier family 2 (facilitated glucose transporter), member 3 ^ 6515	4.123782867	2.001766667	0.485419997	4.00490124	3.1670754
15980	AGI_HUM1_OLIGO_A_23_P381714	CA13 ^ Carbonic anhydrase XIII ^ 377677	4.119610293	1.792814815	0.435190391	3.46490264	3.1670754
18947	AGI_HUM1_OLIGO_A_23_P49708	GRN ^ Granulin ^ 2896	4.119454822	1.301333333	0.315899407	2.464565517	3.1670754
30685	AGI_HUM1_OLIGO_A_24_P683011	^ ^	4.118857607	2.295666667	0.557355191	4.909808198	3.1670754
38814	AGI_OLIGO_NM_006208_1_3292	ENPP1 ^ Ectonucleotide pyrophosphatase/phosphodiesterase 1 ^ 5167	4.117303616	0.688421296	0.167201975	1.61151911	3.1670754
29791	AGI_HUM1_OLIGO_A_24_P418408	MGC15887 ^ Hypothetical gene supported by BC009447 ^ 375061	4.112173767	1.834666667	0.446154946	3.566889856	3.1670754
13984	AGI_HUM1_OLIGO_A_23_P334883	SHANK2 ^ SH3 and multiple ankyrin repeat domains 2 ^ 22941	4.109424969	1.315	0.319996109	2.488023307	3.1670754
5562	AGI_HUM1_OLIGO_A_23_P150960	MGC13168 ^ Hypothetical protein MGC13168 ^ 84821	4.108784364	1.325333333	0.322560937	2.505907798	3.1670754
10722	AGI_HUM1_OLIGO_A_23_P23664	PALMD ^ Palmelphin ^ 54873	4.103148824	2.801	0.682646455	6.969233537	3.1670754
18321	AGI_HUM1_OLIGO_A_23_P43910	^ ^	4.100691241	1.051333333	0.25637954	2.072444308	3.1670754
38660	AGI_OLIGO_NM_005245_1_14591	FAT ^ FAT tumor suppressor homolog 1 (Drosophila) ^ 2195	4.097307694	1.43	0.349009669	2.694467154	3.1670754
8079	AGI_HUM1_OLIGO_A_23_P19389	HMGNA4 ^ High mobility group nucleosomal binding domain 4 ^ 10473	4.093743773	0.833333333	0.203562651	1.781797436	3.1670754
32622	AGI_HUM1_OLIGO_A_32_P104432	^ CDNA FLJ41308 fis, clone BRAMY2042612 ^	4.092389459	1.398	0.341609716	2.635359903	3.1670754
27959	AGI_HUM1_OLIGO_A_24_P30806	CRI1 ^ CREBBP/EP300 inhibitor 1 ^ 23741	4.089150594	1.096666667	0.268189357	2.138599997	3.1670754
16210	AGI_HUM1_OLIGO_A_23_P387071	MGC20398 ^ Hypothetical protein MGC20398 ^ 91603	4.088581168	1.099333333	0.268878931	2.142556625	3.1670754
7320	AGI_HUM1_OLIGO_A_23_P166686	AMOTL2 ^ Angiomotin like 2 ^ 51421	4.08579209	1.492	0.365167871	2.8127864	3.1670754
7072	AGI_HUM1_OLIGO_A_23_P16443	UBXD1 ^ UBX domain containing 1 ^ 80700	4.084241152	0.944	0.231132287	1.923854909	3.1670754
4033	AGI_HUM1_OLIGO_A_23_P136978	SRPX2 ^ Sushi-repeat-containing protein, X-linked 2 ^ 27286	4.083286287	2.142640741	0.52473439	4.415695657	3.1670754
11680	AGI_HUM1_OLIGO_A_23_P257003	PCSK5 ^ Proprotein convertase subtilisin/kexin type 5 ^ 5125	4.078620004	1.979666667	0.485376589	3.944019451	3.1670754
22760	AGI_HUM1_OLIGO_A_23_P83298	PRRX2 ^ Paired related homeobox 2 ^ 51450	4.078011556	1.341185185	0.328882144	2.5335937	3.1670754
4498	AGI_HUM1_OLIGO_A_23_P141235	POLR2A ^ Polymerase (RNA) II (DNA directed) polypeptide A, 220kDa ^ 5430	4.076219874	0.743	0.182276723	1.673652485	3.1670754

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
36705	AGI_OLIGO_AL832532_1_3645	PTPLB ^ Protein tyrosine phosphatase-like (proline instead of catalytic arginine), men	4.07589754	0.665333333	0.16323603	1.58593466	3.1670754
13473	AGI_HUM1_OLIGO_A_23_P32233	KLF4 ^ Kruppel-like factor 4 (gut) ^ 9314	4.074284263	1.480666667	0.363417614	2.790776647	3.1670754
15646	AGI_HUM1_OLIGO_A_23_P374053	^ ^	4.06426086	1.564333333	0.384899835	2.95740809	3.1670754
12938	AGI_HUM1_OLIGO_A_23_P310560	FLJ31265 ^ Hypothetical protein FLJ31265 ^ 131870	4.062762396	0.987666667	0.243102247	1.982975244	3.1670754
12155	AGI_HUM1_OLIGO_A_23_P27147	ANAPC11 ^ APC11 anaphase promoting complex subunit 11 homolog (yeast) ^ 51529	4.060572003	0.6	0.147762433	1.515716567	3.1670754
22500	AGI_HUM1_OLIGO_A_23_P80739	PLCD1 ^ Phospholipase C, delta 1 ^ 5333	4.05813674	0.840333333	0.207073686	1.790463779	3.1670754
19606	AGI_HUM1_OLIGO_A_23_P54276	CRI1 ^ CREBBP/EP300 inhibitor 1 ^ 23741	4.057385378	0.968666667	0.238741597	1.957031078	3.1670754
16181	AGI_HUM1_OLIGO_A_23_P386398	C6orf141 ^ Chromosome 6 open reading frame 141 ^ 135398	4.057313492	1.28	0.315479689	2.428389769	3.1670754
37816	AGI_OLIGO_NM_001400_2_2484	EDG1 ^ Endothelial differentiation, sphingolipid G-protein-coupled receptor, 1 ^ 190J	4.052815727	1.243300926	0.306774601	2.367395798	3.1670754
18542	AGI_HUM1_OLIGO_A_23_P46118	CHML ^ Choroideremia-like (Rab escort protein 2) ^ 1122	4.050223189	0.978333333	0.241550475	1.970188043	3.1670754
19324	AGI_HUM1_OLIGO_A_23_P51580	HSD3B2 ^ Hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomera	4.049085197	2.282333333	0.563666414	4.864640974	3.1670754
27424	AGI_HUM1_OLIGO_A_24_P274615	ARRDC3 ^ Arrestin domain containing 3 ^ 57561	4.048170171	1.151	0.284325992	2.220677667	3.1670754
39247	AGI_OLIGO_NM_016588_1_1051	NRN1 ^ Neuritin 1 ^ 51299	4.046889883	1.937666667	0.478803902	3.830855655	3.1670754
36149	AGI_OLIGO_AF205218_1_3999	IVNS1ABP ^ Influenza virus NS1A binding protein ^ 10625	4.045435261	1.418	0.350518525	2.672148157	3.1670754
23339	AGI_HUM1_OLIGO_A_23_P88865	CKLFSF3 ^ Chemokine-like factor super family 3 ^ 123920	4.04346017	3.901	0.964767757	14.93887912	3.1670754
4702	AGI_HUM1_OLIGO_A_23_P143016	ARID5A ^ AT rich interactive domain 5A (MRF1-like) ^ 10865	4.042411394	2.097	0.518749775	4.278188352	3.1670754
6340	AGI_HUM1_OLIGO_A_23_P157669	NDUFB9 ^ NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa ^ 4715	4.04001598	0.696666667	0.172441562	1.620755722	3.1670754
35284	AGI_HUM1_OLIGO_A_32_P57810	^ ^	4.038913191	1.113333333	0.275651711	2.163449332	3.1670754
29787	AGI_HUM1_OLIGO_A_24_P418176	^ ^	4.036253349	0.634481481	0.157195653	1.552379709	3.1670754
37258	AGI_OLIGO_NKI_CONTIG44799_RC	^ ^	4.032453288	1.883333333	0.467044055	3.689264774	3.1670754
36971	AGI_OLIGO_BF110534_1_248	RASGEF1B ^ RasGEF domain family, member 1B ^ 153020	4.031389075	2.873	0.712657584	7.325869491	3.1670754
37544	AGI_OLIGO_NM_000310_1_2122	PPT1 ^ Palmitoyl-protein thioesterase 1 (ceroid-lipofuscinosis, neuronal 1, infantile) ^	4.025724293	1.424333333	0.353807968	2.683904492	3.1670754
23623	AGI_HUM1_OLIGO_A_32_P9152	RCL1 ^ RNA terminal phosphate cyclase-like 1 ^ 10171	4.025384602	0.75	0.1863176	1.681792831	3.1670754
2886	AGI_HUM1_OLIGO_A_23_P126594	S100A11 ^ S100 calcium binding protein A11 (calgizzarin) ^ 6282	4.022807475	1.07	0.265983398	2.099433367	3.1670754
6330	AGI_HUM1_OLIGO_A_23_P157580	SDCBP ^ Syndecan binding protein (syntenin) ^ 6386	4.022772643	1.403666667	0.348930151	2.645731515	3.1670754
15217	AGI_HUM1_OLIGO_A_23_P364024	GLIPR1 ^ GLI pathogenesis-related 1 (glioma) ^ 11010	4.021716521	0.8524	0.2119493	1.805501977	3.1670754
2242	AGI_HUM1_OLIGO_A_23_P120594	ACAS2L ^ Acetyl-Coenzyme A synthetase 2 (AMP forming)-like ^ 84532	4.01758139	1.823333333	0.453838555	3.538979325	3.1670754
30530	AGI_HUM1_OLIGO_A_24_P64241	^ ^	4.017499965	3.206333333	0.798091689	9.230017181	3.1670754
25086	AGI_HUM1_OLIGO_A_24_P13001	SORCS3 ^ Sortilin-related VPS10 domain containing receptor 3 ^ 22986	4.014756471	2.085948148	0.519570281	4.245540244	3.1670754
37224	AGI_OLIGO_NKI_AL137502	RRAGD ^ Ras-related GTP binding D ^ 58528	4.013724036	1.263333333	0.314753412	2.400497333	3.1670754
9246	AGI_HUM1_OLIGO_A_23_P20882	ATP6V1G1 ^ ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G isoform 1 ^ 955	4.012722241	0.85	0.211826274	1.802500925	3.1670754
5082	AGI_HUM1_OLIGO_A_23_P14636	MFAP1 ^ Microfibrillar-associated protein 1 ^ 4236	4.010051555	0.493666667	0.123107312	1.408018868	3.1670754
16512	AGI_HUM1_OLIGO_A_23_P394216	KIAA0329 ^ KIAA0329 ^ 9895	4.009719266	0.908	0.226449769	1.876442393	3.1670754
35481	AGI_HUM1_OLIGO_A_32_P71796	^ ^	4.00678754	1.118	0.279026524	2.170458744	3.1670754
39044	AGI_OLIGO_NM_013994_1_3786	DDR1 ^ Discoidin domain receptor family, member 1 ^ 780	4.006564539	1.466333333	0.365982706	2.763187254	3.1670754
9855	AGI_HUM1_OLIGO_A_23_P213678	PAM ^ Peptidylglycine alpha-amidating monooxygenase ^ 5066	4.00616787	2.466666667	0.615717251	5.52765152	3.1670754
13435	AGI_HUM1_OLIGO_A_23_P321497	C21orf99 ^ Chromosome 21 open reading frame 99 ^ 149992	4.00513319	1.183416667	0.295474984	2.271140041	3.1670754
15487	AGI_HUM1_OLIGO_A_23_P370514	^ ^	4.003142353	0.996333333	0.24888781	1.99423375	3.1670754
735	AGI_HUM1_OLIGO_A_23_P106405	NDN ^ Necdin homolog (mouse) ^ 4692	4.002385812	1.557333333	0.389101253	2.943093412	3.1670754
33199	AGI_HUM1_OLIGO_A_32_P144421	^ ^	4.001228285	0.885	0.221182081	1.846764621	3.1670754
18594	AGI_HUM1_OLIGO_A_23_P46588	IRF2BP2 ^ Interferon regulatory factor 2 binding protein 2 ^ 359948	3.99971	2.053333333	0.513370553	4.150638637	3.1670754
32222	AGI_HUM1_OLIGO_A_24_P938293	HES1 ^ Hairy and enhancer of split 1, (Drosophila) ^ 3280	3.998777097	2.475	0.618939226	5.559672879	3.1670754
3714	AGI_HUM1_OLIGO_A_23_P133923	BAT4 ^ HLA-B associated transcript 4 ^ 7918	3.998348605	0.713333333	0.178406988	1.639587997	3.1670754
21750	AGI_HUM1_OLIGO_A_23_P7397	PCDHB10 ^ Protocadherin beta 10 ^ 56126	3.998330956	2.901866667	0.725769502	7.473928006	3.1670754
20245	AGI_HUM1_OLIGO_A_23_P59921	PC4 ^ Activated RNA polymerase II transcription cofactor 4 ^ 10923	3.997192651	0.713666667	0.178541974	1.639966866	3.1670754
19904	AGI_HUM1_OLIGO_A_23_P56827	ASB3 ^ Ankyrin repeat and SOCS box-containing 3 ^ 51130	3.993768001	0.850666667	0.212998518	1.80333405	3.1670754

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
39455	AGI_OLIGO_NM_022551_2_489	RPS18 ^ Ribosomal protein S18 ^ 6222	3.98822234	1.186333333	0.297459177	2.275736202	3.1670754
12019	AGI_HUM1_OLIGO_A_23_P26021	COP52 ^ COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis) ^ 93	3.985606491	0.688333333	0.17270479	1.611420856	3.1670754
2911	AGI_HUM1_OLIGO_A_23_P126803	ARPC5 ^ Actin related protein 2/3 complex, subunit 5, 16kDa ^ 10092	3.982011923	1.152	0.289300992	2.222217457	3.1670754
11261	AGI_HUM1_OLIGO_A_23_P253221	ARHGEF4 ^ Rho guanine nucleotide exchange factor (GEF) 4 ^ 50649	3.978137446	1.360666667	0.342036112	2.568038207	3.1670754
3423	AGI_HUM1_OLIGO_A_23_P131330	LRRTM1 ^ Leucine rich repeat transmembrane neuronal 1 ^ 347730	3.978093362	0.73400463	0.184511665	1.663249534	3.1670754
10199	AGI_HUM1_OLIGO_A_23_P216522	C9orf127 ^ Chromosome 9 open reading frame 127 ^ 51754	3.975728701	1.391666667	0.350040652	2.623816209	3.1670754
18616	AGI_HUM1_OLIGO_A_23_P46785	SFTPD ^ Surfactant, pulmonary-associated protein D ^ 6441	3.974308741	2.391296296	0.601688609	5.246285412	3.1670754
38999	AGI_OLIGO_NM_012258_2_2110	HEY1 ^ Hairy/enhancer-of-split related with YRPW motif 1 ^ 23462	3.971612023	1.954333333	0.492075591	3.875368054	3.1670754
18123	AGI_HUM1_OLIGO_A_23_P432583	OAZ3 ^ Ornithine decarboxylase antizyme 3 ^ 51686	3.956702495	1.324166667	0.334664198	2.50388216	3.1670754
9737	AGI_HUM1_OLIGO_A_23_P212728	FLJ11046 ^ Hypothetical protein FLJ11046 ^ 55773	3.953632508	1.062333333	0.268698047	2.0883063	3.1670754
8295	AGI_HUM1_OLIGO_A_23_P201268	^ ^	3.950856796	2.132759259	0.53982196	4.385554481	3.1670754
23335	AGI_HUM1_OLIGO_A_23_P88819	MVP ^ Major vault protein ^ 9961	3.950402393	0.991333333	0.250949	1.988021464	3.1670754
38023	AGI_OLIGO_NM_002182_2_4101	IL1RAP ^ Interleukin 1 receptor accessory protein ^ 3556	3.949935	1.632488889	0.413295127	3.10047421	3.1670754
6737	AGI_HUM1_OLIGO_A_23_P161507	MTL5 ^ Metallothionein-like 5, testis-specific (tesmin) ^ 9633	3.948568817	3.007333333	0.761626167	8.040768161	3.1670754
9973	AGI_HUM1_OLIGO_A_23_P214663	RPS18 ^ Ribosomal protein S18 ^ 6222	3.946508209	1.393333333	0.353054716	2.626849112	3.1670754
797	AGI_HUM1_OLIGO_A_23_P106952	MYO15B ^ Myosin XVb, pseudogene ^ 80022	3.939582214	1.135	0.288101615	2.196185628	3.1670754
11916	AGI_HUM1_OLIGO_A_23_P259065	^ ^	3.935003414	1.417666667	0.360270759	2.671530831	3.1670754
8346	AGI_HUM1_OLIGO_A_23_P201672	KIAA0859 ^ KIAA0859 ^ 51603	3.934628108	0.947666667	0.240852919	1.928750682	3.1670754
4142	AGI_HUM1_OLIGO_A_23_P138034	FLJ14525 ^ Hypothetical protein FLJ14525 ^ 84886	3.930465544	0.86	0.218803597	1.815038311	3.1670754
5227	AGI_HUM1_OLIGO_A_23_P14774	CTSH ^ Cathepsin H ^ 1512	3.929223381	1.382666667	0.351893118	2.607498941	3.1670754
9964	AGI_HUM1_OLIGO_A_23_P214594	RPP21 ^ Ribonuclease P 21kDa subunit ^ 79897	3.929185375	0.683	0.17382738	1.605474777	3.1670754
2706	AGI_HUM1_OLIGO_A_23_P124912	NPEPPS ^ Aminopeptidase puromycin sensitive ^ 9520	3.928557139	1.150333333	0.292813186	2.219651733	3.1670754
14410	AGI_HUM1_OLIGO_A_23_P34548	SDCCAG8 ^ Serologically defined colon cancer antigen 8 ^ 10806	3.925769176	1.650159259	0.420340368	3.138682852	3.1670754
24798	AGI_HUM1_OLIGO_A_24_P113341	C19orf12 ^ Chromosome 19 open reading frame 12 ^ 83636	3.924122442	0.762	0.194183543	1.695839929	3.1670754
29200	AGI_HUM1_OLIGO_A_24_P383076	AASDH ^ 2-aminoadipic 6-semialdehyde dehydrogenase ^ 132949	3.923379202	0.561333333	0.143073943	1.475632361	3.1670754
8929	AGI_HUM1_OLIGO_A_23_P206280	GPR56 ^ G protein-coupled receptor 56 ^ 9289	3.921272194	0.606666667	0.154711695	1.522736872	3.1670754
1616	AGI_HUM1_OLIGO_A_23_P114921	SELL ^ Selectin L (lymphocyte adhesion molecule 1) ^ 6402	3.92120957	0.719595238	0.183513588	1.646719967	3.1670754
3165	AGI_HUM1_OLIGO_A_23_P129064	GATM ^ Glycine amidinotransferase (L-arginine:glycine amidinotransferase) ^ 2628	3.919336656	2.07	0.528150598	4.198866734	3.1670754
12116	AGI_HUM1_OLIGO_A_23_P26843	SOX9 ^ SRY (sex determining region Y)-box 9 (campomelic dysplasia, autosomal sex-r	3.918319853	0.903333333	0.230540989	1.870382496	3.1670754
20237	AGI_HUM1_OLIGO_A_23_P5983	PLTP ^ Phospholipid transfer protein ^ 5360	3.917102069	2.603	0.664521872	6.075486759	3.1670754
15714	AGI_HUM1_OLIGO_A_23_P375494	CEBPA ^ CCAAT/enhancer binding protein (C/EBP), alpha ^ 1050	3.914253769	2.742	0.700516666	6.689971199	3.1670754
24975	AGI_HUM1_OLIGO_A_24_P12435	NCOA7 ^ Nuclear receptor coactivator 7 ^ 135112	3.912570452	1.949333333	0.49822319	3.861960299	3.1670754
12117	AGI_HUM1_OLIGO_A_23_P26847	SOX9 ^ SRY (sex determining region Y)-box 9 (campomelic dysplasia, autosomal sex-r	3.906480398	1.538333333	0.393790107	2.904587585	3.1670754
9340	AGI_HUM1_OLIGO_A_23_P209564	CYBRD1 ^ Cytochrome b reductase 1 ^ 79901	3.905751496	2.418333333	0.61917235	5.345531251	3.1670754
21844	AGI_HUM1_OLIGO_A_23_P74852	^ ^	3.900377852	1.772666667	0.454485882	3.416849413	3.1670754
15075	AGI_HUM1_OLIGO_A_23_P360754	ADAMTS4 ^ A disintegrin-like and metalloprotease (reprolysin type) with thrombospc	3.897826095	1.761333333	0.451875812	3.390112932	3.1670754
9243	AGI_HUM1_OLIGO_A_23_P208798	^ ^	3.897096062	2.835666667	0.727635814	7.138726185	3.1670754
22090	AGI_HUM1_OLIGO_A_23_P77073	SPPL2A ^ Putative intramembrane cleaving protease ^ 84888	3.895786203	0.878666667	0.225542835	1.838675219	3.1670754
38105	AGI_OLIGO_NM_002467_1_1814	MYC ^ V-myc myelocytomatosis viral oncogene homolog (avian) ^ 4609	3.895523372	1.803333333	0.462924532	3.490257151	3.1670754
13407	AGI_HUM1_OLIGO_A_23_P320897	FLJ20054 ^ Family with sequence similarity 31, member B ^ 54530	3.894935987	1.127666667	0.289521232	2.185050566	3.1670754
37812	AGI_OLIGO_NM_001353_4_343	AKR1C1 ^ Aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; b	3.894649047	1.050333333	0.269686259	2.071008297	3.1670754
8226	AGI_HUM1_OLIGO_A_23_P200685	FLJ20605 ^ Hypothetical protein FLJ20605 ^ 54996	3.89434352	1.363666667	0.350165993	2.573383848	3.1670754
22636	AGI_HUM1_OLIGO_A_23_P82088	NRN1 ^ Neuritin 1 ^ 51299	3.887631687	2.067666667	0.531857653	4.192081214	3.24859346
36344	AGI_OLIGO_AK054814_1_1650	MEIS4 ^ Meis1, myeloid ecotropic viral integration site 1 homolog 4 (mouse) ^ 4213	3.887017769	2.293	0.589912405	4.900741328	3.24859346
29185	AGI_HUM1_OLIGO_A_24_P382319	CEACAM1 ^ Carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glyco	3.886283959	3.320666667	0.854458064	9.991260267	3.24859346
719	AGI_HUM1_OLIGO_A_23_P106194	FOS ^ V-fos FBJ murine osteosarcoma viral oncogene homolog ^ 2353	3.886004555	3.13	0.805454537	8.75434961	3.24859346

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
38146	AGI_OLIGO_NM_002634_2_1767	PHB ^ Prohibitin ^ 5245	3.884171431	1.015666667	0.26148863	2.021836964	3.24859346
28799	AGI_HUM1_OLIGO_A_24_P359020	FLJ22789 ^ Hypothetical protein FLJ22789 ^ 84190	3.883835975	0.782037037	0.201356865	1.719557117	3.24859346
3982	AGI_HUM1_OLIGO_A_23_P136492	PDGFA ^ Platelet-derived growth factor alpha polypeptide ^ 5154	3.883738213	1.346666667	0.346744964	2.543238333	3.24859346
36718	AGI_OLIGO_AL832719_1_4052	GCNT2 ^ Glucosaminyl (N-acetyl) transferase 2, I-branching enzyme ^ 2651	3.880316998	1.014333333	0.26140476	2.019969253	3.24859346
37998	AGI_OLIGO_NM_002053_1_2774	GBP1 ^ Guanylate binding protein 1, interferon-inducible, 67kDa ^ 2633	3.878217365	1.985666667	0.512004996	3.960456322	3.24859346
39503	AGI_OLIGO_NM_024843_2_3641	CYBRD1 ^ Cytochrome b reductase 1 ^ 79901	3.876302899	1.533666667	0.395651915	2.895207333	3.24859346
19756	AGI_HUM1_OLIGO_A_23_P55568	CLUL1 ^ Clusterin-like 1 (retinal) ^ 27098	3.874632014	1.925888889	0.497050786	3.799708881	3.24859346
12856	AGI_HUM1_OLIGO_A_23_P308763	FARP1 ^ FERM, RhoGEF (ARHGEF) and pleckstrin domain protein 1 (chondrocyte-deri	3.874486953	2.533666667	0.653936043	5.790414665	3.24859346
33000	AGI_HUM1_OLIGO_A_32_P129950	^ ^	3.873350547	0.785666667	0.20283903	1.723888741	3.24859346
17653	AGI_HUM1_OLIGO_A_23_P421512	LOC220594 ^ TL132 protein ^ 220594	3.869818309	1.313666667	0.339464688	2.485724947	3.24859346
38760	AGI_OLIGO_NM_005842_2_2014	SPRY2 ^ Sprouty homolog 2 (Drosophila) ^ 10253	3.866511238	2.236666667	0.578471529	4.713068555	3.24859346
35132	AGI_HUM1_OLIGO_A_32_P49764	^ ^	3.865612745	2.408333333	0.62301464	5.308606969	3.24859346
38799	AGI_OLIGO_NM_006117_1_1269	PECI ^ Peroxisomal D3,D2-enoyl-CoA isomerase ^ 10455	3.861358893	3.651	0.945522056	12.5620499	3.24859346
28420	AGI_HUM1_OLIGO_A_24_P336848	ACYP2 ^ Acylphosphatase 2, muscle type ^ 98	3.85818317	1.413666667	0.366407349	2.664134033	3.24859346
8329	AGI_HUM1_OLIGO_A_23_P201551	VAV3 ^ Vav 3 oncogene ^ 10451	3.857494108	2.61	0.676605052	6.105036836	3.24859346
36085	AGI_OLIGO_AB051469_1_4430	PIP3AP ^ Phosphatidylinositol-3-phosphate associated protein ^ 54545	3.855550015	0.659666667	0.171095347	1.579717589	3.24859346
35684	AGI_HUM1_OLIGO_A_32_P84092	^ ^	3.849715127	1.523100529	0.395639802	2.874080616	3.24859346
24947	AGI_HUM1_OLIGO_A_24_P122732	SLC41A1 ^ Solute carrier family 41, member 1 ^ 254428	3.847736747	1.162333333	0.302082343	2.238191274	3.24859346
13675	AGI_HUM1_OLIGO_A_23_P327307	PAK2 ^ P21 (CDKN1A)-activated kinase 2 ^ 5062	3.847496023	1.161333333	0.301841334	2.236640416	3.24859346
24281	AGI_HUM1_OLIGO_A_23_P97621	RRAGC ^ Ras-related GTP binding C ^ 64121	3.845575099	1.221666667	0.317681136	2.332159834	3.24859346
11501	AGI_HUM1_OLIGO_A_23_P255358	FOXI1 ^ Forkhead box I1 ^ 2299	3.845394546	1.178085185	0.30636263	2.262762529	3.24859346
36632	AGI_OLIGO_AL137502_1_3951	RRAGD ^ Ras-related GTP binding D ^ 58528	3.843376669	1.536	0.399648573	2.899893666	3.24859346
8105	AGI_HUM1_OLIGO_A_23_P19611	^ ^	3.843273991	2.266	0.589601471	4.809876996	3.24859346
29429	AGI_HUM1_OLIGO_A_24_P398147	NEBL ^ Nebulette ^ 10529	3.839032874	2.5825	0.672695464	5.989767483	3.24859346
18354	AGI_HUM1_OLIGO_A_23_P44195	MSI2 ^ Musashi homolog 2 (Drosophila) ^ 124540	3.838099702	0.832333333	0.21686079	1.780562816	3.24859346
9919	AGI_HUM1_OLIGO_A_23_P214222	MARCKS ^ Myristoylated alanine-rich protein kinase C substrate ^ 4082	3.835250112	1.707333333	0.445168707	3.265566604	3.24859346
3691	AGI_HUM1_OLIGO_A_23_P133712	CYP39A1 ^ Cytochrome P450, family 39, subfamily A, polypeptide 1 ^ 51302	3.834321182	1.451333333	0.378511153	2.734606659	3.24859346
5030	AGI_HUM1_OLIGO_A_23_P145874	C7orf6 ^ Chromosome 7 open reading frame 6 ^ 219285	3.822437193	0.9478	0.247956985	1.928928944	3.24859346
29813	AGI_HUM1_OLIGO_A_24_P419250	RASAL2 ^ RAS protein activator like 2 ^ 9462	3.822158073	2.514666667	0.657918019	5.714656041	3.24859346
10272	AGI_HUM1_OLIGO_A_23_P217109	SLC31A2 ^ Solute carrier family 31 (copper transporters), member 2 ^ 1318	3.820546221	1.049666667	0.274742565	2.070051509	3.24859346
29519	AGI_HUM1_OLIGO_A_24_P402690	ITM2C ^ Integral membrane protein 2C ^ 81618	3.819765035	1.329333333	0.348014425	2.51286529	3.24859346
38528	AGI_OLIGO_NM_004615_2_1471	TM4SF2 ^ Transmembrane 4 superfamily member 2 ^ 7102	3.818496562	1.970333333	0.515997147	3.918586471	3.24859346
32527	AGI_HUM1_OLIGO_A_24_P98021	MAP7 ^ Microtubule-associated protein 7 ^ 9053	3.817495594	0.686333333	0.17978628	1.6091885	3.24859346
24705	AGI_HUM1_OLIGO_A_24_P107941	FLJ13154 ^ Hypothetical protein FLJ13154 ^ 79650	3.815254847	1.174666667	0.307886816	2.257407178	3.24859346
9645	AGI_HUM1_OLIGO_A_23_P212025	FLJ35036 ^ Hypothetical protein FLJ35036 ^ 253461	3.814656204	1.55	0.406327574	2.928171392	3.24859346
8045	AGI_HUM1_OLIGO_A_23_P19102	GALNT10 ^ UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminy	3.813033036	0.710666667	0.186378314	1.636560194	3.24859346
27030	AGI_HUM1_OLIGO_A_24_P250650	RABL2A ^ RAB, member of RAS oncogene family-like 2A ^ 11159	3.812608472	0.668666667	0.175382988	1.589603183	3.24859346
7029	AGI_HUM1_OLIGO_A_23_P164089	RFFL ^ Fring ^ 117584	3.808954459	0.693333333	0.182027205	1.617015304	3.24859346
36591	AGI_OLIGO_AK098572_1_986	PABPC1 ^ Poly(A) binding protein, cytoplasmic 1 ^ 26986	3.805969225	1.274	0.334737336	2.418311352	3.24859346
20139	AGI_HUM1_OLIGO_A_23_P59005	TAP1 ^ Transporter 1, ATP-binding cassette, sub-family B (MDR/TAP) ^ 6890	3.805240876	2.012333333	0.52883205	4.034341843	3.24859346
33014	AGI_HUM1_OLIGO_A_32_P131377	C5orf18 ^ Chromosome 5 open reading frame 18 ^ 7905	3.798021035	1.577333333	0.415304001	2.984177465	3.24859346
20045	AGI_HUM1_OLIGO_A_23_P58137	^ ^	3.796621961	2.773333333	0.730473922	6.836857394	3.24859346
33533	AGI_HUM1_OLIGO_A_32_P168326	^ ^	3.792592702	2.621851852	0.691308574	6.15539676	3.24859346
20485	AGI_HUM1_OLIGO_A_23_P62188	KIAA1166 ^ KIAA1166 ^ 55906	3.792136515	0.988333333	0.260627045	1.983891785	3.24859346
38735	AGI_OLIGO_NM_005620_1_319	S100A11 ^ S100 calcium binding protein A11 (calgizzarin) ^ 6282	3.791484419	1.739666667	0.458835241	3.339579982	3.24859346
20883	AGI_HUM1_OLIGO_A_23_P65967	FLJ10815 ^ Amino acid transporter ^ 55238	3.787717331	1.058666667	0.279499914	2.083005526	3.24859346

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List of Significant Genes for Delta = 1.311: **Positive genes (934)** and **Negative genes (297)**

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
8767	AGI_HUM1_OLIGO_A_23_P205046	ANKRD10 ^ Ankyrin repeat domain 10 ^ 55608	3.787374066	0.947333333	0.250129329	1.928305097	3.24859346
1843	AGI_HUM1_OLIGO_A_23_P117104	AQP5 ^ Aquaporin 5 ^ 362	3.787358868	2.026666667	0.535113449	4.07462324	3.24859346
26170	AGI_HUM1_OLIGO_A_24_P197537	PDE8B ^ Phosphodiesterase 8B ^ 8622	3.786217842	1.604	0.423641763	3.039849713	3.24859346
7202	AGI_HUM1_OLIGO_A_23_P165636	CAPG ^ Capping protein (actin filament), gelsolin-like ^ 822	3.785873985	0.974666667	0.257448259	1.96518709	3.24859346
15964	AGI_HUM1_OLIGO_A_23_P381431	NPL ^ N-acetylneuraminatase pyruvate lyase (dihydrodipicolinate synthase) ^ 80896	3.785294025	1.894	0.500357433	3.716642697	3.24859346
3970	AGI_HUM1_OLIGO_A_23_P136355	HHAT ^ Hedgehog acyltransferase ^ 55733	3.784877473	1.803333333	0.47645752	3.490257151	3.24859346
11677	AGI_HUM1_OLIGO_A_23_P256988	ACY2 ^ Acylphosphatase 2, muscle type ^ 98	3.781951813	1.686333333	0.445889693	3.218377001	3.24859346
37503	AGI_OLIGO_NM_000196_1_1728	HSD11B2 ^ Hydroxysteroid (11-beta) dehydrogenase 2 ^ 3291	3.78092149	1.654	0.437459493	3.147049781	3.24859346
18311	AGI_HUM1_OLIGO_A_23_P43810	LTBP1 ^ Latent transforming growth factor beta binding protein 1 ^ 4052	3.776947985	1.223666667	0.323982928	2.335395136	3.24859346
33782	AGI_HUM1_OLIGO_A_32_P186678	^ ^	3.776898158	1.379	0.365114425	2.600880293	3.24859346
38514	AGI_OLIGO_NM_004529_1_3293	MLLT3 ^ Myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila)	3.76994941	1.095946429	0.290705871	2.137532608	3.24859346
8610	AGI_HUM1_OLIGO_A_23_P203833	HRB2 ^ HIV-1 rev binding protein 2 ^ 11103	3.766409004	1.033333333	0.274355051	2.046747784	3.24859346
16887	AGI_HUM1_OLIGO_A_23_P403424	PLA2G4B ^ Phospholipase A2, group IVB (cytosolic) ^ 8681	3.765904874	0.783666667	0.208095184	1.72150058	3.24859346
38825	AGI_OLIGO_NM_006271_1_526	S100A1 ^ S100 calcium binding protein A1 ^ 6271	3.764439371	2.114	0.561571005	4.328898578	3.24859346
38736	AGI_OLIGO_NM_005620_1_531	S100A11 ^ S100 calcium binding protein A11 (calgizzarin) ^ 6282	3.763068591	0.979333333	0.2602486	1.971554147	3.24859346
9518	AGI_HUM1_OLIGO_A_23_P211039	ADAMTS1 ^ A disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motifs	3.760335856	2.325	0.618295835	5.010657754	3.24859346
11727	AGI_HUM1_OLIGO_A_23_P257423	MGC19780 ^ Hypothetical protein MGC19780 ^ 199857	3.758273308	0.761666667	0.202663991	1.695448152	3.24859346
7082	AGI_HUM1_OLIGO_A_23_P164536	PIK3C3 ^ Phosphoinositide-3-kinase, class 3 ^ 5289	3.756236102	0.695	0.185025643	1.618884433	3.24859346
24022	AGI_HUM1_OLIGO_A_23_P95184	PSCD1 ^ Pleckstrin homology, Sec7 and coiled-coil domains 1 (cytohesin 1) ^ 9267	3.756107444	0.886666667	0.236059985	1.84889932	3.24859346
22554	AGI_HUM1_OLIGO_A_23_P81248	TAF7 ^ TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 55	3.75493722	1.103666667	0.293924133	2.149001764	3.24859346
3177	AGI_HUM1_OLIGO_A_23_P129157	NEIL1 ^ Nei endonuclease VIII-like 1 (E. coli) ^ 79661	3.751029044	1.171666667	0.31235873	2.252717909	3.24859346
15402	AGI_HUM1_OLIGO_A_23_P368724	TFEB ^ Transcription factor EB ^ 7942	3.746862048	1.045666667	0.279077973	2.064320057	3.24859346
14641	AGI_HUM1_OLIGO_A_23_P350886	KIAA0240 ^ KIAA0240 ^ 23506	3.740228051	1.239666667	0.331441465	2.361439651	3.62118
33058	AGI_HUM1_OLIGO_A_32_P134657	KIAA0240 ^ KIAA0240 ^ 23506	3.738947262	1.578	0.422043931	2.985556767	3.62118
21126	AGI_HUM1_OLIGO_A_23_P68155	IFIH1 ^ Interferon induced with helicase C domain 1 ^ 64135	3.738909063	1.298333333	0.347249241	2.459445922	3.62118
10486	AGI_HUM1_OLIGO_A_23_P218811	CPT1B ^ Carnitine palmitoyltransferase 1B (muscle) ^ 1375	3.736350942	1.100333333	0.294494107	2.144042247	3.62118
1850	AGI_HUM1_OLIGO_A_23_P117172	PARP4 ^ Poly (ADP-ribose) polymerase family, member 4 ^ 143	3.73610294	1.147	0.307004389	2.214529169	3.62118
12003	AGI_HUM1_OLIGO_A_23_P259851	ADAMTS19 ^ A disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motifs	3.734186305	1.117068783	0.299146505	2.169058229	3.62118
1716	AGI_HUM1_OLIGO_A_23_P115885	MINPP1 ^ Multiple inositol polyphosphate histidine phosphatase, 1 ^ 9562	3.728585683	0.641407407	0.172024318	1.559850114	3.62118
15399	AGI_HUM1_OLIGO_A_23_P368711	LILRB3 ^ Leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains)	3.727644309	0.798541667	0.21422153	1.739342042	3.62118
12299	AGI_HUM1_OLIGO_A_23_P28485	GCA ^ Grancalcin, EF-hand calcium binding protein ^ 25801	3.726338527	1.142666667	0.306645963	2.207887505	3.62118
36541	AGI_OLIGO_AK096260_1_2862	TMEM25 ^ Transmembrane protein 25 ^ 84866	3.726191638	1.127666667	0.302632493	2.185050566	3.62118
1144	AGI_HUM1_OLIGO_A_23_P110191	HERC5 ^ Hect domain and RLD 5 ^ 51191	3.721135351	1.321	0.35499918	2.498392251	3.62118
2401	AGI_HUM1_OLIGO_A_23_P121926	SEPP1 ^ Selenoprotein P, plasma, 1 ^ 6414	3.719504336	3.217666667	0.865079424	9.302810678	3.62118
35048	AGI_HUM1_OLIGO_A_32_P460973	HLA-E ^ Major histocompatibility complex, class I, E ^ 3133	3.718532005	1.829333333	0.491950407	3.553728174	3.62118
2647	AGI_HUM1_OLIGO_A_23_P124242	MAGED1 ^ Melanoma antigen, family D, 1 ^ 9500	3.717966275	0.575333333	0.154744097	1.490021691	3.62118
32437	AGI_HUM1_OLIGO_A_24_P944390	WWTR1 ^ WW domain containing transcription regulator 1 ^ 25937	3.715620208	1.255666667	0.337942684	2.387774617	3.62118
15419	AGI_HUM1_OLIGO_A_23_P368934	KIAA1545 ^ KIAA1545 protein ^ 57666	3.713525436	1.057	0.284635185	2.080600533	3.62118
22626	AGI_HUM1_OLIGO_A_23_P81999	TEAD3 ^ TEA domain family member 3 ^ 7005	3.712599798	1.110666667	0.299161431	2.159454122	3.62118
18644	AGI_HUM1_OLIGO_A_23_P47004	DHX32 ^ DEAH (Asp-Glu-Ala-His) box polypeptide 32 ^ 55760	3.70901172	1.484	0.400106582	2.797232165	3.62118
30925	AGI_HUM1_OLIGO_A_24_P754185	^ ^	3.699173041	0.631666667	0.170758886	1.549353844	3.62118
5125	AGI_HUM1_OLIGO_A_23_P146744	MTA1 ^ Metastasis associated 1 ^ 9112	3.698720153	0.818666667	0.221337823	1.763775165	3.62118
15358	AGI_HUM1_OLIGO_A_23_P367618	ZIC1 ^ Zic family member 1 (odd-paired homolog, Drosophila) ^ 7545	3.696240946	1.965666667	0.531801551	3.90593155	3.62118
38317	AGI_OLIGO_NM_003506_1_3181	FZD6 ^ Frizzled homolog 6 (Drosophila) ^ 8323	3.696053533	0.736	0.199131315	1.665551542	3.62118
31016	AGI_HUM1_OLIGO_A_24_P78540	NR2C1 ^ Nuclear receptor subfamily 2, group C, member 1 ^ 7181	3.694163437	0.379333333	0.102684502	1.300740647	3.62118
38854	AGI_OLIGO_NM_006393_1_7823	NEBL ^ Nebulette ^ 10529	3.692621548	2.228666667	0.603545919	4.687006081	3.62118

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
7966	AGI_HUM1_OLIGO_A_23_P18317	SLC41A3 ^ Solute carrier family 41, member 3 ^ 54946	3.688060819	0.583333333	0.158168035	1.498307077	3.62118
12082	AGI_HUM1_OLIGO_A_23_P26632	PYCARD ^ PYD and CARD domain containing ^ 29108	3.686908616	2.213333333	0.600322266	4.637455164	3.62118
16989	AGI_HUM1_OLIGO_A_23_P406025	^ ^	3.682991863	1.723566667	0.467980037	3.302518554	3.62118
10078	AGI_HUM1_OLIGO_A_23_P215525	OSBPL3 ^ Oxysterol binding protein-like 3 ^ 26031	3.68248769	1.647333333	0.447342523	3.132540872	3.62118
39688	AGI_OLIGO_NM_139177_1_2615	^ ^	3.681312983	1.950333333	0.52979286	3.864638134	3.62118
6040	AGI_HUM1_OLIGO_A_23_P155049	APOL6 ^ Apolipoprotein L, 6 ^ 80830	3.678491193	1.081833333	0.29409703	2.116724242	3.62118
20253	AGI_HUM1_OLIGO_A_23_P60000	KIAA0103 ^ KIAA0103 ^ 9694	3.678308437	0.765666667	0.208157277	1.700155455	3.62118
10854	AGI_HUM1_OLIGO_A_23_P24870	CD44 ^ CD44 antigen (homing function and Indian blood group system) ^ 960	3.677116526	1.136333333	0.309028372	2.198216272	3.62118
30222	AGI_HUM1_OLIGO_A_24_P54900	LNX ^ Ligand of numb-protein X ^ 84708	3.6757873	2.108884259	0.573723147	4.313575655	3.62118
3682	AGI_HUM1_OLIGO_A_23_P13364	NUCB2 ^ Nucleobindin 2 ^ 4925	3.674835254	1.246666667	0.339244233	2.37292527	3.62118
8388	AGI_HUM1_OLIGO_A_23_P202	EPS15 ^ Epidermal growth factor receptor pathway substrate 15 ^ 2060	3.674445517	0.952666667	0.259268143	1.935446819	3.62118
6551	AGI_HUM1_OLIGO_A_23_P159797	PNPLA4 ^ Patatin-like phospholipase domain containing 4 ^ 8228	3.669584397	1.016666667	0.277052264	2.023238881	3.62118
22715	AGI_HUM1_OLIGO_A_23_P8281	IFNGR1 ^ Interferon gamma receptor 1 ^ 3459	3.668165342	0.507666667	0.138397978	1.421748879	3.62118
39806	O_AL355708	NEO1 ^ Neogenin homolog 1 (chicken) ^ 4756	3.667851929	1.063	0.289815407	2.089271526	3.62118
19650	AGI_HUM1_OLIGO_A_23_P54649	TRADD ^ TNFRSF1A-associated via death domain ^ 8717	3.667823168	0.867333333	0.236470869	1.824287782	3.62118
4717	AGI_HUM1_OLIGO_A_23_P143143	ID2 ^ Inhibitor of DNA binding 2, dominant negative helix-loop-helix protein ^ 3398	3.664827816	1.844	0.503161429	3.590040203	3.62118
20763	AGI_HUM1_OLIGO_A_23_P64860	SELPLG ^ Selectin P ligand ^ 6404	3.662836822	1.102466667	0.300987109	2.147215017	3.62118
7930	AGI_HUM1_OLIGO_A_23_P17998	HES1 ^ Hairy and enhancer of split 1, (Drosophila) ^ 3280	3.662456451	2.189333333	0.597777301	4.560946772	3.62118
7034	AGI_HUM1_OLIGO_A_23_P16412	LRP3 ^ Low density lipoprotein receptor-related protein 3 ^ 4037	3.660446522	1.086333333	0.296776179	2.123336956	3.62118
27017	AGI_HUM1_OLIGO_A_24_P249072	BTN2A2 ^ Butyrophilin, subfamily 2, member A2 ^ 10385	3.658425514	1.212	0.331290058	2.316585612	3.62118
17599	AGI_HUM1_OLIGO_A_23_P420331	PGBD4 ^ PiggyBac transposable element derived 4 ^ 161779	3.658254084	1.117333333	0.305428029	2.169456011	3.62118
20988	AGI_HUM1_OLIGO_A_23_P66867	GEMIN4 ^ Gem (nuclear organelle) associated protein 4 ^ 50628	3.657859847	0.751333333	0.205402439	1.683347856	3.62118
10198	AGI_HUM1_OLIGO_A_23_P216520	C9orf127 ^ Chromosome 9 open reading frame 127 ^ 51754	3.653055854	1.24	0.33944184	2.361985323	3.62118
27077	AGI_HUM1_OLIGO_A_24_P252846	LOC119710 ^ Hypothetical protein BC009561 ^ 119710	3.652384274	1.276	0.34936083	2.421666168	3.62118
26101	AGI_HUM1_OLIGO_A_24_P193295	RAB15 ^ RAB15, member RAS oncogene family ^ 376267	3.651597854	0.666333333	0.182477195	1.587034327	3.62118
31026	AGI_HUM1_OLIGO_A_24_P79040	CAPN12 ^ Calpain 12 ^ 147968	3.650543723	1.003746032	0.274957954	2.005199851	3.62118
2459	AGI_HUM1_OLIGO_A_23_P122464	ZNF193 ^ Zinc finger protein 193 ^ 7746	3.650317793	1.019666667	0.27933641	2.027450465	3.62118
5046	AGI_HUM1_OLIGO_A_23_P146050	FLJ14007 ^ Hypothetical protein FLJ14007 ^ 79752	3.648245949	0.787	0.215720105	1.725482689	3.62118
8341	AGI_HUM1_OLIGO_A_23_P201636	LAMC2 ^ Laminin, gamma 2 ^ 3918	3.646468684	3.298666667	0.904619497	9.840056959	3.62118
38857	AGI_OLIGO_NM_006406_1_788	PRDX4 ^ Peroxiredoxin 4 ^ 10549	3.644108597	0.604	0.165746981	1.519924856	3.62118
20561	AGI_HUM1_OLIGO_A_23_P62932	ATP1B1 ^ ATPase, Na+/K+ transporting, beta 1 polypeptide ^ 481	3.642806315	1.133333333	0.311115452	2.193649959	3.62118
14881	AGI_HUM1_OLIGO_A_23_P356425	DKFZp686H1423 ^ Hypothetical protein FLJ32940 ^ 126859	3.642195602	0.55852381	0.153348109	1.472761491	3.62118
20254	AGI_HUM1_OLIGO_A_23_P60002	KIAA0103 ^ KIAA0103 ^ 9694	3.640566875	0.895666667	0.246023957	1.860469406	3.62118
37714	AGI_OLIGO_NM_000919_2_3838	PAM ^ Peptidylglycine alpha-amidating monooxygenase ^ 5066	3.640536306	2.649333333	0.727731606	6.273773015	3.62118
12450	AGI_HUM1_OLIGO_A_23_P29763	WWTR1 ^ WW domain containing transcription regulator 1 ^ 25937	3.640505715	1.336333333	0.367073544	2.525087416	3.62118
32300	AGI_HUM1_OLIGO_A_24_P941322	QKI ^ Quaking homolog, KH domain RNA binding (mouse) ^ 9444	3.637882632	3.455681481	0.949915605	10.97144376	3.62118
15525	AGI_HUM1_OLIGO_A_23_P371266	DNM3 ^ Dynamin 3 ^ 26052	3.637110919	2.828777778	0.777754058	7.104719923	3.62118
21383	AGI_HUM1_OLIGO_A_23_P70539	HLA-C ^ Major histocompatibility complex, class I, C ^ 3107	3.629646254	2.002	0.551568902	4.005549023	3.62118
30523	AGI_HUM1_OLIGO_A_24_P64100	^ FP15737 ^	3.628126943	1.173333333	0.323399195	2.255321854	3.62118
4323	AGI_HUM1_OLIGO_A_23_P139687	FLJ32115 ^ Hypothetical protein FLJ32115 ^ 121506	3.62775671	0.926966667	0.255520626	1.901274273	3.62118
12608	AGI_HUM1_OLIGO_A_23_P302914	ZFYVE28 ^ Zinc finger, FYVE domain containing 28 ^ 57732	3.626555548	1.373433333	0.378715648	2.590864083	3.62118
23309	AGI_HUM1_OLIGO_A_23_P88602	MEIS2 ^ Meis1, myeloid ecotropic viral integration site 1 homolog 2 (mouse) ^ 4212	3.62606887	1.397740741	0.385469993	2.634886359	3.62118
14327	AGI_HUM1_OLIGO_A_23_P343411	AGRN ^ Agrin ^ 375790	3.624514958	1.131666667	0.312225685	2.191117219	3.62118
30538	AGI_HUM1_OLIGO_A_24_P64401	MGC16291 ^ Hypothetical protein MGC16291 ^ 84856	3.622639767	1.192666667	0.329225853	2.28574849	3.62118
7048	AGI_HUM1_OLIGO_A_23_P164237	HCA66 ^ Hepatocellular carcinoma-associated antigen 66 ^ 55813	3.6193595	0.644666667	0.178116229	1.563378028	3.62118
9242	AGI_HUM1_OLIGO_A_23_P208788	C19orf33 ^ Chromosome 19 open reading frame 33 ^ 64073	3.618103022	1.916666667	0.52974353	3.775497251	3.62118

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Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
2785	AGI_HUM1_OLIGO_A_23_P125618	GABRA3 ^ Gamma-aminobutyric acid (GABA) A receptor, alpha 3 ^ 2556	3.617052593	2.513188889	0.694816795	5.708805415	3.62118
517	AGI_HUM1_OLIGO_A_23_P1043	FLJ10901 ^ Hypothetical protein FLJ10901 ^ 55765	3.61164183	1.465333333	0.405724987	2.761272623	3.62118
11738	AGI_HUM1_OLIGO_A_23_P257516	MICA ^ MHC class I polypeptide-related sequence A ^ 4276	3.610987557	1.11	0.307395133	2.158456473	3.62118
35771	AGI_HUM1_OLIGO_A_32_P88791	GTF2I ^ General transcription factor II, i ^ 2969	3.610731945	0.589666667	0.163309455	1.504899002	3.62118
28003	AGI_HUM1_OLIGO_A_24_P312058	C6orf68 ^ Chromosome 6 open reading frame 68 ^ 116150	3.610627244	0.404333333	0.111984236	1.323477193	3.62118
6261	AGI_HUM1_OLIGO_A_23_P156957	NCOA7 ^ Nuclear receptor coactivator 7 ^ 135112	3.608116969	2.254666667	0.624887354	4.772240223	3.62118
34798	AGI_HUM1_OLIGO_A_32_P36235	IER2 ^ Immediate early response 2 ^ 9592	3.608049719	1.849333333	0.512557608	3.603336371	3.62118
20221	AGI_HUM1_OLIGO_A_23_P59728	^ ^	3.607957433	1.335333333	0.37010784	2.523337765	3.62118
4280	AGI_HUM1_OLIGO_A_23_P13929	NRIP2 ^ Nuclear receptor interacting protein 2 ^ 83714	3.60037265	1.104634259	0.306811091	2.150443548	3.88802271
26485	AGI_HUM1_OLIGO_A_24_P216765	TOMM20 ^ Translocase of outer mitochondrial membrane 20 homolog (yeast) ^ 980:	3.599937574	0.636333333	0.176762324	1.554373633	3.88802271
8007	AGI_HUM1_OLIGO_A_23_P18684	CLGN ^ Calmegin ^ 1047	3.597896326	2.177666667	0.605261094	4.524212416	3.88802271
35379	AGI_HUM1_OLIGO_A_32_P64570	ANKRD15 ^ Ankyrin repeat domain 15 ^ 23189	3.5977618	2.134	0.59314655	4.38932775	3.88802271
12278	AGI_HUM1_OLIGO_A_23_P28263	CTDSP1 ^ CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small ph	3.596774082	1.109	0.308331848	2.156960863	3.88802271
14503	AGI_HUM1_OLIGO_A_23_P34757	GPATC2 ^ G patch domain containing 2 ^ 55105	3.595972498	0.940333333	0.261496253	1.918971564	3.88802271
10551	AGI_HUM1_OLIGO_A_23_P22052	PAQR4 ^ Progesterone and adiponectin receptor family member IV ^ 124222	3.595262145	1.516666667	0.421851483	2.861291865	3.88802271
25500	AGI_HUM1_OLIGO_A_24_P155761	AKAP13 ^ A kinase (PKA) anchor protein 13 ^ 11214	3.586149841	1.633333333	0.455455964	3.102289524	3.88802271
30880	AGI_HUM1_OLIGO_A_24_P742352	LOC348021 ^ Hypothetical protein LOC348021 ^ 348021	3.585939882	1.037985185	0.289459729	2.053358006	3.88802271
13547	AGI_HUM1_OLIGO_A_23_P324278	ALAD ^ Aminolevulinic acid, delta-, dehydratase ^ 210	3.585915418	0.633666667	0.176709875	1.551503194	3.88802271
6577	AGI_HUM1_OLIGO_A_23_P16006	ZNF600 ^ Zinc finger protein 600 ^ 162966	3.585298763	0.859666667	0.239775462	1.814618996	3.88802271
25519	AGI_HUM1_OLIGO_A_24_P156757	MYCL1 ^ V-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derivec	3.582444225	0.9598	0.267917639	1.945040236	3.88802271
13155	AGI_HUM1_OLIGO_A_23_P315364	CXCL2 ^ Chemokine (C-X-C motif) ligand 2 ^ 2920	3.582192575	3.985	1.112447172	15.8345065	3.88802271
25954	AGI_HUM1_OLIGO_A_24_P184555	PXN ^ Paxillin ^ 5829	3.576387459	1.171	0.327425374	2.251677172	3.88802271
38743	AGI_OLIGO_NM_005717_2_1825	ARPC5 ^ Actin related protein 2/3 complex, subunit 5, 16kDa ^ 10092	3.572355547	1.314333333	0.367917839	2.486873861	3.88802271
22894	AGI_HUM1_OLIGO_A_23_P84629	^ ^	3.572227713	0.501666667	0.140435243	1.41584827	3.88802271
16657	AGI_HUM1_OLIGO_A_23_P39790	CD207 ^ CD207 antigen, langerin ^ 50489	3.572205869	0.577066667	0.161543508	1.491812961	3.88802271
23322	AGI_HUM1_OLIGO_A_23_P88710	DKFZP564G2022 ^ DKFZP564G2022 protein ^ 25963	3.5616429	1.119333333	0.314274442	2.172465601	3.88802271
25663	AGI_HUM1_OLIGO_A_24_P166613	UCC1 ^ Upregulated in colorectal cancer gene 1 ^ 54749	3.561503824	1.868592593	0.52466393	3.651761621	3.88802271
36880	AGI_OLIGO_BC018130_1_2695	F2RL1 ^ Coagulation factor II (thrombin) receptor-like 1 ^ 2150	3.556442958	1.884333333	0.529836512	3.691822864	3.88802271
8229	AGI_HUM1_OLIGO_A_23_P200710	PIK3C2B ^ Phosphoinositide-3-kinase, class 2, beta polypeptide ^ 5287	3.556422788	0.975	0.274151882	1.965641197	3.88802271
4349	AGI_HUM1_OLIGO_A_23_P139934	ITM2B ^ Integral membrane protein 2B ^ 9445	3.555255126	1.091	0.306869679	2.130216407	3.88802271
36329	AGI_OLIGO_AK027252_1_2101	ATP8A1 ^ ATPase, aminophospholipid transporter (APLT), Class I, type 8A, member 1	3.553654866	1.187333333	0.334116108	2.277314169	3.88802271
18554	AGI_HUM1_OLIGO_A_23_P4626	ZNF606 ^ Zinc finger protein 606 ^ 80095	3.55164107	0.903333333	0.254342518	1.870382496	3.88802271
14798	AGI_HUM1_OLIGO_A_23_P354387	FER1L3 ^ Fer-1-like 3, myoferlin (C. elegans) ^ 26509	3.55045891	1.776666667	0.500404796	3.426336076	3.88802271
37804	AGI_OLIGO_NM_001311_2_62	CRIP1 ^ Cysteine-rich protein 1 (intestinal) ^ 1396	3.54659538	2.136	0.602267744	4.39541687	3.88802271
37565	AGI_OLIGO_NM_000389_2_1923	CDKN1A ^ Cyclin-dependent kinase inhibitor 1A (p21, Cip1) ^ 1026	3.544672583	1.646	0.464358826	3.129647127	3.88802271
30717	AGI_HUM1_OLIGO_A_24_P6921	^ ^	3.54234663	0.675333333	0.190645751	1.596965708	3.88802271
3690	AGI_HUM1_OLIGO_A_23_P133694	SLC29A1 ^ Solute carrier family 29 (nucleoside transporters), member 1 ^ 2030	3.542084434	0.629	0.177579053	1.546492675	3.88802271
7577	AGI_HUM1_OLIGO_A_23_P168944	STC1 ^ Stanniocalcin 1 ^ 6781	3.54203524	0.819	0.231222996	1.76418273	3.88802271
21295	AGI_HUM1_OLIGO_A_23_P697	KCND3 ^ Potassium voltage-gated channel, Shal-related subfamily, member 3 ^ 3752	3.540943018	0.429916667	0.121413043	1.34715576	3.88802271
7655	AGI_HUM1_OLIGO_A_23_P169738	SOX7 ^ SRY (sex determining region Y)-box 7 ^ 83595	3.536937073	2.224833333	0.629028249	4.674568936	3.88802271
17826	AGI_HUM1_OLIGO_A_23_P42575	CALD1 ^ Caldesmon 1 ^ 800	3.53219235	1.151333333	0.325954314	2.221190812	3.88802271
38823	AGI_OLIGO_NM_006270_2_366	RRAS ^ Related RAS viral (r-ras) oncogene homolog ^ 6237	3.528263989	0.897	0.254232677	1.86218964	3.88802271
23833	AGI_HUM1_OLIGO_A_23_P93372	RING1 ^ Ring finger protein 1 ^ 6015	3.526431713	1.134666667	0.321760567	2.19567826	3.88802271
39451	AGI_OLIGO_NM_022449_1_1923	RAB17 ^ RAB17, member RAS oncogene family ^ 64284	3.525601229	1.321333333	0.374782412	2.498969569	3.88802271
4595	AGI_HUM1_OLIGO_A_23_P142055	^ Similar to HIDE1 ^ 255809	3.521366014	0.505666667	0.143599576	1.419779282	3.88802271
2707	AGI_HUM1_OLIGO_A_23_P124927	RGS14 ^ Regulator of G-protein signalling 14 ^ 10636	3.518056234	0.673333333	0.191393568	1.594753377	3.88802271

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

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Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
33237	AGI_HUM1_OLIGO_A_32_P147747	RPL7 ^ Ribosomal protein L7 ^ 6129	3.517931165	0.973308333	0.276670659	1.963337688	3.88802271
37807	AGI_OLIGO_NM_001331_1_6097	CTNND1 ^ Catenin (cadherin-associated protein), delta 1 ^ 1500	3.517212864	1.085333333	0.308577665	2.121865681	3.88802271
8459	AGI_HUM1_OLIGO_A_23_P202587	KIAA1598 ^ KIAA1598 ^ 57698	3.51690621	0.763333333	0.217046827	1.697407943	3.88802271
32657	AGI_HUM1_OLIGO_A_32_P106646	FAM36A ^ Family with sequence similarity 36, member A ^ 116228	3.516675946	0.926333333	0.263411627	1.90043981	3.88802271
27475	AGI_HUM1_OLIGO_A_24_P278167	ZA20D2 ^ Zinc finger, A20 domain containing 2 ^ 7763	3.515433732	1.182	0.336231626	2.26891097	3.88802271
6734	AGI_HUM1_OLIGO_A_23_P161488	TIAL1 ^ TIA1 cytotoxic granule-associated RNA binding protein-like 1 ^ 7073	3.514043887	0.614	0.174727471	1.53049677	3.88802271
10823	AGI_HUM1_OLIGO_A_23_P24585	PHACS ^ 1-aminocyclopropane-1-carboxylate synthase ^ 84680	3.510514614	0.673	0.191709784	1.594384953	3.88802271
39462	AGI_OLIGO_NM_022772_2_2314	EPS8L2 ^ EPS8-like 2 ^ 64787	3.509504043	1.471333333	0.419242524	2.772780346	3.88802271
8090	AGI_HUM1_OLIGO_A_23_P19482	DDAH2 ^ Dimethylarginine dimethylaminohydrolase 2 ^ 23564	3.508128611	1.568	0.446961949	2.96493402	3.88802271
38547	AGI_OLIGO_NM_004685_1_1793	MTMR6 ^ Myotubularin related protein 6 ^ 9107	3.49974462	2.485333333	0.710147055	5.599637104	3.88802271
2681	AGI_HUM1_OLIGO_A_23_P124619	S100A14 ^ S100 calcium binding protein A14 ^ 57402	3.499493717	2.026666667	0.579131392	4.07462324	3.88802271
11485	AGI_HUM1_OLIGO_A_23_P255226	EBAG9 ^ Estrogen receptor binding site associated, antigen, 9 ^ 9166	3.49531183	0.963	0.275511899	1.949359262	3.88802271
33031	AGI_HUM1_OLIGO_A_32_P132796	BRE ^ Brain and reproductive organ-expressed (TNFRSF1A modulator) ^ 9577	3.493848913	0.808	0.231263578	1.750782659	3.88802271
1243	AGI_HUM1_OLIGO_A_23_P111125	HCP5 ^ HLA complex P5 ^ 10866	3.49346283	1.54	0.440823353	2.907945035	3.88802271
8730	AGI_HUM1_OLIGO_A_23_P204751	ACCN2 ^ Amiloride-sensitive cation channel 2, neuronal ^ 41	3.487886593	1.055666667	0.302666569	2.078678538	3.88802271
12206	AGI_HUM1_OLIGO_A_23_P27613	MAN2B1 ^ Mannosidase, alpha, class 2B, member 1 ^ 4125	3.48599175	0.97	0.278256539	1.958840595	3.88802271
29542	AGI_HUM1_OLIGO_A_24_P404204	COX11 ^ COX11 homolog, cytochrome c oxidase assembly protein (yeast) ^ 1353	3.483668243	0.666	0.191177791	1.586667686	3.88802271
23318	AGI_HUM1_OLIGO_A_23_P88680	C15orf24 ^ Chromosome 15 open reading frame 24 ^ 56851	3.483588427	1.117666667	0.320837748	2.169957319	3.88802271
3119	AGI_HUM1_OLIGO_A_23_P12866	C10orf89 ^ Chromosome 10 open reading frame 89 ^ 118672	3.480031119	0.996333333	0.286300122	1.994923375	3.88802271
4701	AGI_HUM1_OLIGO_A_23_P143006	PRLH ^ Prolactin releasing hormone ^ 51052	3.479247716	0.802222222	0.230573471	1.743785058	3.88802271
3209	AGI_HUM1_OLIGO_A_23_P129433	SLC9A5 ^ Solute carrier family 9 (sodium/hydrogen exchanger), isoform 5 ^ 6553	3.475876004	0.891666667	0.256530056	1.855318234	3.88802271
18560	AGI_HUM1_OLIGO_A_23_P46315	FLJ37099 ^ FLJ37099 protein ^ 163259	3.474273632	2.148	0.618258729	4.432129391	3.88802271
39454	AGI_OLIGO_NM_022551_2_488	RPS18 ^ Ribosomal protein S18 ^ 6222	3.473526612	1.072	0.308620062	2.102345818	3.88802271
12081	AGI_HUM1_OLIGO_A_23_P26629	PYCARD ^ PYD and CARD domain containing ^ 29108	3.471691093	2.020333333	0.581945017	4.056775125	3.88802271
6029	AGI_HUM1_OLIGO_A_23_P15493	^ ^	3.470650755	1.016666667	0.292932576	2.023238881	3.88802271
13492	AGI_HUM1_OLIGO_A_23_P32277	BARX1 ^ BarH-like homeobox 1 ^ 56033	3.470298531	1.832333333	0.528004527	3.561125633	3.88802271
19533	AGI_HUM1_OLIGO_A_23_P53557	LTBR ^ Lymphotoxin beta receptor (TNFR superfamily, member 3) ^ 4055	3.468893527	0.97	0.279628069	1.958840595	4.42580583
28585	AGI_HUM1_OLIGO_A_24_P345377	GOLPH3L ^ Golgi phosphoprotein 3-like ^ 55204	3.46670883	0.621666667	0.179324742	1.538651675	4.42580583
37959	AGI_OLIGO_NM_001951_2_1582	E2F5 ^ E2F transcription factor 5, p130-binding ^ 1875	3.463788063	0.989666667	0.28571802	1.985726138	4.42580583
36128	AGI_OLIGO_AF073310_1_6909	IRS2 ^ Insulin receptor substrate 2 ^ 8660	3.462330077	2.017666667	0.582748213	4.049283538	4.42580583
18429	AGI_HUM1_OLIGO_A_23_P44964	^ ^	3.457900768	2.213333333	0.640080061	4.637455164	4.42580583
19502	AGI_HUM1_OLIGO_A_23_P53247	DTX3 ^ Deltex 3 homolog (Drosophila) ^ 196403	3.457895102	0.672666667	0.194530675	1.594016614	4.42580583
19282	AGI_HUM1_OLIGO_A_23_P51202	ZNF436 ^ Zinc finger protein 436 ^ 80818	3.456940319	0.684333333	0.197959256	1.606959237	4.42580583
22588	AGI_HUM1_OLIGO_A_23_P81660	C6orf209 ^ Chromosome 6 open reading frame 209 ^ 55788	3.456053795	1.110666667	0.321368454	2.159454122	4.42580583
1327	AGI_HUM1_OLIGO_A_23_P111929	CGI-77 ^ CGI-77 protein ^ 51633	3.451991275	0.760666667	0.220355906	1.694273364	4.42580583
2251	AGI_HUM1_OLIGO_A_23_P120667	JAM2 ^ Junctional adhesion molecule 2 ^ 58494	3.451940387	0.531675	0.154022069	1.445606602	4.42580583
6329	AGI_HUM1_OLIGO_A_23_P157576	SDCBP ^ Syndecan binding protein (syntenin) ^ 6386	3.450385691	2.027	0.587470556	4.075564786	4.42580583
17241	AGI_HUM1_OLIGO_A_23_P412	GNG12 ^ Guanine nucleotide binding protein (G protein), gamma 12 ^ 55970	3.449448226	0.93	0.269608337	1.905275996	4.42580583
9647	AGI_HUM1_OLIGO_A_23_P212042	MFI2 ^ Antigen p97 (melanoma associated) identified by monoclonal antibodies 133.	3.445237262	2.378592593	0.690400228	5.200291851	4.42580583
32963	AGI_HUM1_OLIGO_A_32_P127052	FLJ31265 ^ Hypothetical protein FLJ31265 ^ 131870	3.443961576	1.268	0.368180647	2.408274762	4.42580583
36604	AGI_OLIGO_AL050391_1_4564	CASP4 ^ Caspase 4, apoptosis-related cysteine protease ^ 837	3.443309007	2.096333333	0.608813594	4.276211865	4.42580583
38937	AGI_OLIGO_NM_006988_2_3723	ADAMTS1 ^ A disintegrin-like and metalloprotease (reprolysin type) with thrombospor	3.442563448	2.583	0.750312969	5.991843738	4.42580583
26797	AGI_HUM1_OLIGO_A_24_P235248	PTPRZ1 ^ Protein tyrosine phosphatase, receptor-type, Z polypeptide 1 ^ 5803	3.439404584	0.874096296	0.254141749	1.832859624	4.42580583
20755	AGI_HUM1_OLIGO_A_23_P64792	KCNMB4 ^ Potassium large conductance calcium-activated channel, subfamily M, bet	3.438813666	1.2	0.348957552	2.29739671	4.42580583
725	AGI_HUM1_OLIGO_A_23_P106275	GABPB2 ^ GA binding protein transcription factor, beta subunit 2, 47kDa ^ 2553	3.436645026	0.965666667	0.2809911	1.952965775	4.42580583
15821	AGI_HUM1_OLIGO_A_23_P377957	KCTD12 ^ Potassium channel tetramerisation domain containing 12 ^ 115207	3.434967718	3.377333333	0.983221273	10.39150949	4.42580583

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25160	AGI_HUM1_OLIGO_A_24_P134488	MGC17330 ^ HGFL gene ^ 113791	3.43137618	0.928	0.270445428	1.902636553	4.42580583
13948	AGI_HUM1_OLIGO_A_23_P334168	LY75 ^ Lymphocyte antigen 75 ^ 4065	3.429538933	3.172666667	0.925100058	9.017119659	4.42580583
19483	AGI_HUM1_OLIGO_A_23_P53057	ZNF215 ^ Zinc finger protein 215 ^ 7762	3.427534217	1.312333333	0.382879718	2.483428711	4.42580583
31025	AGI_HUM1_OLIGO_A_24_P788878	^ ^	3.42324004	1.400541667	0.409127508	2.640006839	4.42580583
11891	AGI_HUM1_OLIGO_A_23_P258862	PDCD4 ^ Programmed cell death 4 (neoplastic transformation inhibitor) ^ 27250	3.422601851	1.196666667	0.349636539	2.292094724	4.42580583
25691	AGI_HUM1_OLIGO_A_24_P168398	ZNF177 ^ Zinc finger protein 177 ^ 7730	3.419517127	1.627666667	0.475993132	3.090128145	4.42580583
21071	AGI_HUM1_OLIGO_A_23_P67618	FLJ38451 ^ FLJ38451 protein ^ 126375	3.417846233	1.511147619	0.442134466	2.850366868	4.42580583
19810	AGI_HUM1_OLIGO_A_23_P56022	ZNF529 ^ Zinc finger protein 529 ^ 57711	3.4176667186	0.843	0.246659477	1.793776319	4.42580583
30841	AGI_HUM1_OLIGO_A_24_P73290	ATP2A2 ^ ATPase, Ca++ transporting, cardiac muscle, slow twitch 2 ^ 488	3.417290764	0.792333333	0.231860087	1.731873232	4.42580583
39502	AGI_OLIGO_NM_024829_1_1597	FLJ22662 ^ Hypothetical protein FLJ22662 ^ 79887	3.417233198	1.694666667	0.49591777	3.237020869	4.42580583
583	AGI_HUM1_OLIGO_A_23_P104881	ROBO4 ^ Roundabout homolog 4, magic roundabout (Drosophila) ^ 54538	3.416406144	1.66837037	0.488340759	3.178553498	4.42580583
2175	AGI_HUM1_OLIGO_A_23_P119976	^ ^	3.41578677	1.108580952	0.324546298	2.15633444	4.42580583
36904	AGI_OLIGO_BC025793_1_125	C1orf31 ^ Chromosome 1 open reading frame 31 ^ 388753	3.41555502	0.804333333	0.235491254	1.746338626	4.42580583
14929	AGI_HUM1_OLIGO_A_23_P357571	GSTT2 ^ Glutathione S-transferase theta 2 ^ 2953	3.413218765	1.749740741	0.512636564	3.362981263	4.42580583
1422	AGI_HUM1_OLIGO_A_23_P11286	HNRPH2 ^ Heterogeneous nuclear ribonucleoprotein H2 (H') ^ 3188	3.412170295	0.517333333	0.15161416	1.431307184	4.42580583
6469	AGI_HUM1_OLIGO_A_23_P158969	SLC39A11 ^ Solute carrier family 39 (metal ion transporter), member 11 ^ 201266	3.411047422	0.627333333	0.183912229	1.544707128	4.42580583
11894	AGI_HUM1_OLIGO_A_23_P258891	SNX16 ^ Sorting nexin 16 ^ 64089	3.407567373	1.287666667	0.377884434	2.441328893	4.42580583
17342	AGI_HUM1_OLIGO_A_23_P41437	FLJ11200 ^ Hypothetical protein FLJ11200 ^ 55325	3.407101265	0.933333333	0.273937656	1.909683208	4.42580583
13274	AGI_HUM1_OLIGO_A_23_P31810	CEBPD ^ CCAAT/enhancer binding protein (C/EBP), delta ^ 1052	3.407039917	2.136666667	0.627132854	4.397448454	4.42580583
15698	AGI_HUM1_OLIGO_A_23_P37505	DYX1C1 ^ Dyslexia susceptibility 1 candidate 1 ^ 161582	3.406276337	0.714	0.209613058	1.640345822	4.42580583
24415	AGI_HUM1_OLIGO_A_23_P98770	CENTD2 ^ Centaurin, delta 2 ^ 116985	3.405916615	1.034	0.303589347	2.047693801	4.42580583
32523	AGI_HUM1_OLIGO_A_24_P97703	PAM ^ Peptidylglycine alpha-amidating monooxygenase ^ 5066	3.404346599	1.564	0.459412682	2.956724863	4.42580583
38592	AGI_OLIGO_NM_004888_2_382	ATP6V1G1 ^ ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G isoform 1 ^ 955	3.404336422	0.903	0.265249931	1.869950396	4.42580583
28118	AGI_HUM1_OLIGO_A_24_P31929	PRRG1 ^ Proline rich Gla (G-carboxyglutamic acid) 1 ^ 5638	3.403297162	1.178333333	0.346232867	2.263151764	4.42580583
14975	AGI_HUM1_OLIGO_A_23_P358545	SLC43A3 ^ Solute carrier family 43, member 3 ^ 29015	3.401936385	0.984666667	0.289442998	1.978856047	4.42580583
3263	AGI_HUM1_OLIGO_A_23_P129935	VMP1 ^ Likely ortholog of rat vacuole membrane protein 1 ^ 81671	3.394489301	1.993666667	0.587324481	3.982478758	4.42580583
29197	AGI_HUM1_OLIGO_A_24_P38290	TAC1 ^ Tachykinin, precursor 1 (substance K, substance P, neurokinin 1, neurokinin 2	3.391852387	1.405439815	0.4143576	2.648985258	4.42580583
25488	AGI_HUM1_OLIGO_A_24_P154214	IRF2BP2 ^ Interferon regulatory factor 2 binding protein 2 ^ 359948	3.38830375	1.891666667	0.558293118	3.710636468	4.42580583
3387	AGI_HUM1_OLIGO_A_23_P130974	KIAA1683 ^ KIAA1683 ^ 80726	3.386936275	0.8	0.236201669	1.741101127	4.42580583
29419	AGI_HUM1_OLIGO_A_24_P397515	HMGN4 ^ High mobility group nucleosomal binding domain 4 ^ 10473	3.386626677	0.735666667	0.217226974	1.665166762	4.42580583
34026	AGI_HUM1_OLIGO_A_32_P202859	LOC341567 ^ HANP1 ^ 341567	3.386018617	1.545339683	0.456388419	2.918727822	4.42580583
38809	AGI_OLIGO_NM_006195_2_2451	PBX3 ^ Pre-B-cell leukemia transcription factor 3 ^ 5090	3.385744056	1.344	0.396958535	2.538541772	4.42580583
12442	AGI_HUM1_OLIGO_A_23_P29684	VILL ^ Villin-like ^ 50853	3.384453633	1.256	0.371108645	2.388326374	4.42580583
24070	AGI_HUM1_OLIGO_A_23_P95690	SPOCK3 ^ Sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3 ^	3.383994694	1.318097222	0.389509246	2.493370409	4.42580583
5918	AGI_HUM1_OLIGO_A_23_P153971	SGPP2 ^ Sphingosine-1-phosphate phosphatase 2 ^ 130367	3.381448549	1.240365741	0.366814909	2.362584191	4.42580583
30465	AGI_HUM1_OLIGO_A_24_P62521	PSEN2 ^ Presenilin 2 (Alzheimer disease 4) ^ 5664	3.380504798	0.684	0.202336645	1.606587994	4.42580583
14473	AGI_HUM1_OLIGO_A_23_P34690	LMX1A ^ LIM homeobox transcription factor 1, alpha ^ 4009	3.376756451	1.509657143	0.44707315	2.847423619	4.42580583
200	AGI_HUM1_OLIGO_A_23_P101461	MGC10471 ^ Hypothetical protein MGC10471 ^ 81576	3.376437163	0.671666667	0.198927637	1.592912109	4.42580583
36263	AGI_OLIGO_AK022914_1_2199	^ LOC440156 ^ 440156	3.375042066	0.951333333	0.28187303	1.933658913	4.42580583
1200	AGI_HUM1_OLIGO_A_23_P110712	DUSP1 ^ Dual specificity phosphatase 1 ^ 1843	3.371625134	1.839	0.545434301	3.577619607	4.42580583
15847	AGI_HUM1_OLIGO_A_23_P378722	SAT ^ Spermidine/spermine N1-acetyltransferase ^ 6303	3.371055092	2.068666667	0.61365555	4.19498795	4.42580583
6204	AGI_HUM1_OLIGO_A_23_P156471	CDC5L ^ CDC5 cell division cycle 5-like (S. pombe) ^ 988	3.366401688	0.641	0.190411026	1.559409685	4.42580583
3986	AGI_HUM1_OLIGO_A_23_P136544	FLJ20265 ^ Hypothetical protein FLJ20265 ^ 54872	3.366303407	0.875	0.259929036	1.834008086	4.42580583
15318	AGI_HUM1_OLIGO_A_23_P36658	MGST1 ^ Microsomal glutathione S-transferase 1 ^ 4257	3.365010103	0.747333333	0.222089477	1.678687088	4.42580583
11717	AGI_HUM1_OLIGO_A_23_P257335	KHDRB3 ^ KH domain containing, RNA binding, signal transduction associated 3 ^ 1C	3.364748216	1.197666667	0.355945405	2.293684034	4.42580583
28663	AGI_HUM1_OLIGO_A_24_P350124	KIAA1618 ^ KIAA1618 ^ 57714	3.364383423	0.664666667	0.197559726	1.585201971	4.42580583

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5149	AGI_HUM1_OLIGO_A_23_P146981	^ ^	3.361210869	2.348	0.698557779	5.091179741	4.42580583
8326	AGI_HUM1_OLIGO_A_23_P201538	JUN ^ V-jun sarcoma virus 17 oncogene homolog (avian) ^ 3725	3.360646964	1.35	0.401708366	2.549121255	4.42580583
34721	AGI_HUM1_OLIGO_A_32_P3342	^ ^	3.360350439	0.904666667	0.269217953	1.872111895	4.42580583
4706	AGI_HUM1_OLIGO_A_23_P143044	ATP6V1E2 ^ ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E isoform 2 ^ 904	3.360334392	2.122666667	0.631683166	4.354981731	4.42580583
38795	AGI_OLIGO_NM_006113_3_4623	VAV3 ^ Vav 3 oncogene ^ 10451	3.359497641	2.329333333	0.693357633	5.025730581	4.42580583
7270	AGI_HUM1_OLIGO_A_23_P166246	DSCR1 ^ Down syndrome critical region gene 1 ^ 1827	3.359055364	1.28	0.381059513	2.428389769	4.42580583
4080	AGI_HUM1_OLIGO_A_23_P137427	ZMPSTE24 ^ Zinc metalloproteinase (STE24 homolog, yeast) ^ 10269	3.358971998	0.726666667	0.21633603	1.654811245	4.42580583
12718	AGI_HUM1_OLIGO_A_23_P305140	C10orf32 ^ Chromosome 10 open reading frame 32 ^ 119032	3.358759632	0.419333333	0.124847676	1.337309444	4.42580583
29250	AGI_HUM1_OLIGO_A_24_P386323	RAB9P40 ^ Rab9 effector p40 ^ 10244	3.358272016	0.664	0.197720732	1.584469622	4.42580583
26376	AGI_HUM1_OLIGO_A_24_P20954	TFAP2B ^ Transcription factor AP-2 beta (activating enhancer binding protein 2 beta)	3.356538348	5.614333333	1.672655799	48.98721378	4.42580583
39770	AGI_OLIGO_X59405_1_2586	MCP ^ Membrane cofactor protein (CD46, trophoblast-lymphocyte cross-reactive an	3.355087939	0.641333333	0.191152466	1.559770027	4.42580583
25348	AGI_HUM1_OLIGO_A_24_P14531	TM9SF4 ^ Transmembrane 9 superfamily protein member 4 ^ 9777	3.354557323	0.793333333	0.236494195	1.733074092	4.42580583
31223	AGI_HUM1_OLIGO_A_24_P849628	RDBP ^ RD RNA binding protein ^ 7936	3.352794665	0.619333333	0.184721522	1.536165158	4.42580583
14806	AGI_HUM1_OLIGO_A_23_P354704	SIAT8A ^ Sialyltransferase 8A (alpha-N-acetylneuraminase: alpha-2,8-sialyltransferase	3.352352316	3.062	0.913388484	8.351295419	4.42580583
29030	AGI_HUM1_OLIGO_A_24_P37319	ACSL3 ^ Acyl-CoA synthetase long-chain family member 3 ^ 2181	3.352031418	0.885666667	0.264217889	1.847618205	4.42580583
30200	AGI_HUM1_OLIGO_A_24_P542375	PTMA ^ Prothymosin, alpha (gene sequence 28) ^ 5757	3.350946849	0.643	0.191886064	1.561572985	4.42580583
8308	AGI_HUM1_OLIGO_A_23_P201386	DDAH1 ^ Dimethylarginine dimethylaminohydrolase 1 ^ 23576	3.349027127	1.760333333	0.525625284	3.387763899	4.42580583
27050	AGI_HUM1_OLIGO_A_24_P251764	CXCL3 ^ Chemokine (C-X-C motif) ligand 3 ^ 2921	3.346503548	2.934	0.87673596	7.642263491	4.42580583
17176	AGI_HUM1_OLIGO_A_23_P410613	MGC17943 ^ Hypothetical protein MGC17943 ^ 90488	3.346102917	1.124	0.335913159	2.179504224	4.42580583
25742	AGI_HUM1_OLIGO_A_24_P170887	FLJ20989 ^ Hypothetical protein FLJ20989 ^ 65265	3.346029145	1.633	0.488041176	3.101572825	4.42580583
423	AGI_HUM1_OLIGO_A_23_P103502	MDM4 ^ Mdm4, transformed 3T3 cell double minute 4, p53 binding protein (mouse)	3.336538303	1.221666667	0.366147952	2.332159834	4.81015426
38204	AGI_OLIGO_NM_002970_1_943	SAT ^ Spermidine/spermine N1-acetyltransferase ^ 6303	3.334727999	2.165666667	0.649428279	4.486737146	4.81015426
27293	AGI_HUM1_OLIGO_A_24_P266037	HSA9761 ^ Putative dimethyladenosine transferase ^ 27292	3.334500907	0.758	0.227320376	1.691144575	4.81015426
33062	AGI_HUM1_OLIGO_A_32_P134968	^ ^	3.330106874	1.713666667	0.514598099	3.279933732	4.81015426
2792	AGI_HUM1_OLIGO_A_23_P125668	LOC203427 ^ Similar to solute carrier family 25, member 16 ^ 203427	3.329317725	0.962333333	0.289048211	1.948458675	4.81015426
33135	AGI_HUM1_OLIGO_A_32_P140139	F13A1 ^ Coagulation factor XIII, A1 polypeptide ^ 2162	3.328493183	0.448666667	0.134795729	1.364778351	4.81015426
9771	AGI_HUM1_OLIGO_A_23_P212997	TNIP3 ^ TNFAIP3 interacting protein 3 ^ 79931	3.326649158	2.663470238	0.80064657	6.335551627	4.81015426
27458	AGI_HUM1_OLIGO_A_24_P277295	RAB43 ^ RAB43, member RAS oncogene family ^ 339122	3.325745641	0.929	0.279335854	1.903955817	4.81015426
32655	AGI_HUM1_OLIGO_A_32_P106512	^ ^	3.325055647	1.18	0.354881279	2.265767771	4.81015426
29636	AGI_HUM1_OLIGO_A_24_P40968	MGA ^ MAX gene associated ^ 23269	3.324805988	0.760333333	0.228685023	1.693881949	4.81015426
10899	AGI_HUM1_OLIGO_A_23_P250245	CD72 ^ CD72 antigen ^ 971	3.322947159	1.575633333	0.474167436	2.98066313	4.81015426
13931	AGI_HUM1_OLIGO_A_23_P33364	^ ^	3.322768921	1.304666667	0.392644417	2.470266456	4.81015426
8156	AGI_HUM1_OLIGO_A_23_P200122	MKNK1 ^ MAP kinase interacting serine/threonine kinase 1 ^ 8569	3.318986874	0.772	0.232601101	1.707635429	4.81015426
36910	AGI_OLIGO_BC028706_1_4336	SSFA2 ^ Sperm specific antigen 2 ^ 6744	3.317234034	0.891333333	0.268697754	1.854889614	4.81015426
23737	AGI_HUM1_OLIGO_A_23_P92535	CNGA1 ^ Cyclic nucleotide gated channel alpha 1 ^ 1259	3.317226002	2.905	0.87573171	7.490177979	4.81015426
12594	AGI_HUM1_OLIGO_A_23_P30254	PLK2 ^ Polo-like kinase 2 (Drosophila) ^ 10769	3.316422716	0.93	0.280422636	1.905275996	4.81015426
32411	AGI_HUM1_OLIGO_A_24_P943792	CD47 ^ CD47 antigen (Rh-related antigen, integrin-associated signal transducer) ^ 96	3.314592572	0.622333333	0.187755605	1.539362847	4.81015426
7603	AGI_HUM1_OLIGO_A_23_P16915	QPCT ^ Glutaminyl-peptide cyclotransferase (glutaminyl cyclase) ^ 25797	3.308784071	1.058666667	0.319956408	2.083005526	4.81015426
18552	AGI_HUM1_OLIGO_A_23_P46238	ELA2A ^ Elastase 2A ^ 63036	3.308414954	0.354958333	0.107289544	1.278948643	4.81015426
19950	AGI_HUM1_OLIGO_A_23_P5724	INPP1 ^ Inositol polyphosphate-1-phosphatase ^ 3628	3.307417467	0.858333333	0.259517688	1.812942707	4.81015426
37199	AGI_OLIGO_NKI_AB020689	^ ^	3.307323397	1.466666667	0.443460312	2.76382576	4.81015426
37885	AGI_OLIGO_NM_001695_2_1974	ATP6V1C1 ^ ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C, isoform 1 ^ 528	3.295981839	0.648666667	0.196805291	1.567718646	4.81015426
34436	AGI_HUM1_OLIGO_A_32_P228869	SUMO2 ^ SMT3 suppressor of mif two 3 homolog 2 (yeast) ^ 6613	3.293189996	0.934333333	0.283716802	1.91007358	4.81015426
36853	AGI_OLIGO_BC010607_1_2682	IGF1R ^ Insulin-like growth factor 1 receptor ^ 3480	3.29157518	1.614333333	0.490444011	3.061700861	4.81015426
20854	AGI_HUM1_OLIGO_A_23_P65699	FLJ21439 ^ Hypothetical protein FLJ21439 ^ 80208	3.288620666	0.964666667	0.293334733	1.951612551	4.81015426
24307	AGI_HUM1_OLIGO_A_23_P97853	C10orf57 ^ Chromosome 10 open reading frame 57 ^ 80195	3.287810741	1.050333333	0.319462833	2.071008297	4.81015426

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
2453	AGI_HUM1_OLIGO_A_23_P122414	GUCA1A ^ Guanylate cyclase activator 1A (retina) ^ 2978	3.28541733	1.311814815	0.399284074	2.482536303	4.81015426
37792	AGI_OLIGO_NM_001257_2_3666	CDH13 ^ Cadherin 13, H-cadherin (heart) ^ 1012	3.284700398	1.294666667	0.394150661	2.453203079	4.81015426
39219	AGI_OLIGO_NM_016250_1_1916	NDRG2 ^ NDRG family member 2 ^ 57447	3.284166409	1.591333333	0.484547107	3.013277068	4.81015426
20408	AGI_HUM1_OLIGO_A_23_P61426	MSRA ^ Methionine sulfoxide reductase A ^ 4482	3.283999589	1.177	0.35840443	2.261061134	4.81015426
13928	AGI_HUM1_OLIGO_A_23_P333578	LYG2 ^ Lysozyme-like ^ 254773	3.28304263	1.582148148	0.481915201	2.994153423	4.81015426
23526	AGI_HUM1_OLIGO_A_23_P90589	MRPL44 ^ Mitochondrial ribosomal protein L44 ^ 65080	3.282148083	0.476333333	0.145128532	1.391203371	4.81015426
38839	AGI_OLIGO_NM_006310_2_4053	NPEPPS ^ Aminopeptidase puromycin sensitive ^ 9520	3.281990932	0.862	0.262645455	1.817556233	4.81015426
38733	AGI_OLIGO_NM_005619_1_1905	RTN2 ^ Reticulon 2 ^ 6253	3.280234403	1.907	0.581360892	3.750284386	4.81015426
8175	AGI_HUM1_OLIGO_A_23_P200260	PCNXL2 ^ Pecanex-like 2 (Drosophila) ^ 80003	3.277570645	0.804666667	0.24550704	1.746742162	4.81015426
19269	AGI_HUM1_OLIGO_A_23_P51060	MR-1 ^ Myofibrillogenesis regulator 1 ^ 25953	3.275364358	1.849428571	0.564648195	3.603574249	4.81015426
16397	AGI_HUM1_OLIGO_A_23_P391506	IVNS1ABP ^ Influenza virus NS1A binding protein ^ 10625	3.274165406	1.384666667	0.422906755	2.611116209	4.81015426
37256	AGI_OLIGO_NKI_CONTIG44064_RC	^ ^	3.273134131	0.94	0.28718652	1.918528239	4.81015426
19693	AGI_HUM1_OLIGO_A_23_P55011	^ ^	3.272980908	0.93	0.284144646	1.905275996	4.81015426
21838	AGI_HUM1_OLIGO_A_23_P74799	SLC25A24 ^ Solute carrier family 25 (mitochondrial carrier; phosphate carrier), memt	3.27213761	0.914333333	0.279429976	1.884697955	4.81015426

Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
10527	AGI_HUM1_OLIGO_A_23_P219161	OLFM1 ^ Olfactomedin 1 ^ 10439	-13.7739776	-4.234	0.307391236	0.053142135	0
29175	AGI_HUM1_OLIGO_A_24_P382001	POLR3K ^ Polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa ^ 51728	-11.30016092	-1.681666667	0.14881794	0.311722313	0
9268	AGI_HUM1_OLIGO_A_23_P208991	PALM ^ Paralemmin ^ 5064	-10.6977973	-2.691	0.251547111	0.154856087	0
16690	AGI_HUM1_OLIGO_A_23_P398523	PAQR4 ^ Progesterin and adipoQ receptor family member IV ^ 124222	-9.90473996	-1.416333333	0.142995509	0.374663325	0
7771	AGI_HUM1_OLIGO_A_23_P170873	GTPBP6 ^ GTP binding protein 6 (putative) ^ 8225	-9.590431234	-1.671666667	0.174305683	0.313890514	0
38265	AGI_OLIGO_NM_003236_1_3349	TGFA ^ Transforming growth factor, alpha ^ 7039	-9.179154786	-2.396666667	0.26109884	0.189902833	1.43546664
24652	AGI_HUM1_OLIGO_A_24_P105102	PKMYT1 ^ Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kin	-9.039169176	-1.369333333	0.151488849	0.387070071	1.43546664
27797	AGI_HUM1_OLIGO_A_24_P29876	AGPAT5 ^ 1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyl	-9.010126705	-1.084666667	0.120383065	0.471501195	1.43546664
2987	AGI_HUM1_OLIGO_A_23_P127522	FLJ32915 ^ Hypothetical protein FLJ32915 ^ 219844	-8.926102661	-1.451	0.162556947	0.365767805	1.43546664
14422	AGI_HUM1_OLIGO_A_23_P345707	MGC45866 ^ Leucine-rich repeat kinase 1 ^ 90381	-8.856166558	-1.180666667	0.13331577	0.441147598	1.43546664
39627	AGI_OLIGO_NM_054012_1_1314	ASS ^ Argininosuccinate synthetase ^ 445	-8.757053881	-1.401	0.159985312	0.378666579	1.43546664
20258	AGI_HUM1_OLIGO_A_23_P60024	PTTG1 ^ Pituitary tumor-transforming 1 ^ 9232	-8.416296914	-1.786666667	0.212286554	0.289840948	1.43546664
3751	AGI_HUM1_OLIGO_A_23_P134295	NUDT1 ^ Nudix (nucleoside diphosphate linked moiety X)-type motif 1 ^ 4521	-8.340403429	-1.227	0.147115186	0.42720487	1.43546664
13322	AGI_HUM1_OLIGO_A_23_P31922	ASS ^ Argininosuccinate synthetase ^ 445	-8.164552582	-1.426666667	0.174739112	0.371989378	1.43546664
15839	AGI_HUM1_OLIGO_A_23_P378526	TNFRSF6B ^ Tumor necrosis factor receptor superfamily, member 6b, decoy ^ 8771	-7.969121291	-1.803666667	0.226331938	0.28644565	1.53302263
16246	AGI_HUM1_OLIGO_A_23_P388146	ZNF587 ^ Zinc finger protein 587 ^ 84914	-7.694091615	-1.170666667	0.152151381	0.444216022	1.53302263
35241	AGI_HUM1_OLIGO_A_32_P54544	CCT6A ^ Chaperonin containing TCP1, subunit 6A (zeta 1) ^ 908	-7.57626215	-1.184	0.156277591	0.440129507	1.53302263
21118	AGI_HUM1_OLIGO_A_23_P68072	FLJ12953 ^ Hypothetical protein FLJ12953 similar to Mus musculus D3Mm3e ^ 84058	-7.483901186	-2.091666667	0.279488814	0.234609499	1.53302263
12696	AGI_HUM1_OLIGO_A_23_P30464	MGC10772 ^ Hypothetical protein MGC10772 ^ 80758	-7.397064316	-1.878666667	0.253974629	0.271934921	1.53302263
7997	AGI_HUM1_OLIGO_A_23_P18579	PTTG2 ^ Pituitary tumor-transforming 2 ^ 10744	-7.348682348	-1.709	0.232558698	0.30587201	1.53302263
13609	AGI_HUM1_OLIGO_A_23_P32558	WDR5 ^ WD repeat domain 5 ^ 11091	-7.274992559	-1.107	0.152165104	0.464258426	1.53302263
12281	AGI_HUM1_OLIGO_A_23_P28307	^ ^	-7.232378645	-1.493333333	0.206478865	0.355190935	1.53302263
23407	AGI_HUM1_OLIGO_A_23_P89509	SPAG5 ^ Sperm associated antigen 5 ^ 10615	-7.21462472	-0.88	0.121974466	0.543367431	1.53302263
79	AGI_HUM1_OLIGO_A_23_P100326	^ ^	-7.212510966	-1.829666667	0.253679568	0.281329615	1.53302263
37295	AGI_OLIGO_NKI_D25328	PFKP ^ Phosphofructokinase, platelet ^ 5214	-7.135609696	-0.923333333	0.129397959	0.527289315	1.53302263
19189	AGI_HUM1_OLIGO_A_23_P50344	TUBB4 ^ Tubulin, beta 4 ^ 10382	-7.13097399	-1.511333333	0.211938562	0.350786873	1.53302263
5719	AGI_HUM1_OLIGO_A_23_P152297	POLR3K ^ Polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa ^ 51728	-7.071593801	-1.438	0.203348784	0.369078601	1.53302263
22009	AGI_HUM1_OLIGO_A_23_P7636	PTTG1 ^ Pituitary tumor-transforming 1 ^ 9232	-7.055550727	-1.7	0.240945047	0.307786103	1.53302263

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List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
39299	AGI_OLIGO_NM_018154_1_937	ASF1B ^ ASF1 anti-silencing function 1 homolog B (S. cerevisiae) ^ 55723	-6.907468341	-1.180333333	0.170877849	0.441249536	1.53302263
22270	AGI_HUM1_OLIGO_A_23_P78664	DDX39 ^ DEAD (Asp-Glu-Ala-Asp) box polypeptide 39 ^ 10212	-6.862128554	-1.233333333	0.179730433	0.42533358	1.53302263
37791	AGI_OLIGO_NM_001255_1_1579	CDC20 ^ CDC20 cell division cycle 20 homolog (S. cerevisiae) ^ 991	-6.855053794	-0.991333333	0.144613502	0.503012678	1.53302263
15331	AGI_HUM1_OLIGO_A_23_P366939	KRT6E ^ Keratin 6E ^ 286887	-6.799502017	-1.409222222	0.20725374	0.376514617	1.53302263
5151	AGI_HUM1_OLIGO_A_23_P146997	CXorf15 ^ Chromosome X open reading frame 15 ^ 55787	-6.76522824	-1.11	0.164074287	0.463294031	1.53302263
8526	AGI_HUM1_OLIGO_A_23_P203139	UBE4A ^ Ubiquitination factor E4A (UFD2 homolog, yeast) ^ 9354	-6.73615772	-0.927	0.137615543	0.52595089	1.86497634
39683	AGI_OLIGO_NM_138998_1_1714	^ ^	-6.735998289	-1.072666667	0.159243904	0.475439388	1.86497634
12073	AGI_HUM1_OLIGO_A_23_P26557	FLJ13909 ^ Hypothetical protein FLJ13909 ^ 80178	-6.724364396	-2.265	0.336834809	0.208049684	1.86497634
38560	AGI_OLIGO_NM_004738_1_1456	VAPB ^ VAMP (vesicle-associated membrane protein)-associated protein B and C ^ 9;	-6.656558402	-1.245	0.187033588	0.421907898	1.86497634
39070	AGI_OLIGO_NM_014279_1_2277	OLFM1 ^ Olfactomedin 1 ^ 10439	-6.65089163	-4.083666667	0.614002888	0.058978516	1.86497634
26522	AGI_HUM1_OLIGO_A_24_P219378	CASKIN1 ^ CASK interacting protein 1 ^ 57524	-6.599948364	-1.675333333	0.25384037	0.313093761	1.86497634
13670	AGI_HUM1_OLIGO_A_23_P327069	KIAA0232 ^ KIAA0232 gene product ^ 9778	-6.493707727	-1.168666667	0.179969089	0.444832263	1.91893978
18914	AGI_HUM1_OLIGO_A_23_P49459	LOC81691 ^ Exonuclease NEF-sp ^ 81691	-6.455938508	-1.317333333	0.204049858	0.401275969	1.91893978
38629	AGI_OLIGO_NM_005088_1_2864	DXYS155E ^ DNA segment on chromosome X and Y (unique) 155 expressed sequence	-6.448953438	-1.381	0.214143274	0.383952567	1.91893978
19591	AGI_HUM1_OLIGO_A_23_P54147	NIN ^ Ninein (GSK3B interacting protein) ^ 51199	-6.445630601	-1.289666667	0.200083862	0.409045528	1.91893978
22727	AGI_HUM1_OLIGO_A_23_P82950	PCM1 ^ Pericentriolar material 1 ^ 5108	-6.441276861	-1.126666667	0.17491356	0.457972645	1.91893978
15530	AGI_HUM1_OLIGO_A_23_P37137	DNAJC8 ^ Dnaj (Hsp40) homolog, subfamily C, member 8 ^ 22826	-6.32935387	-0.705	0.111385777	0.613442489	1.91893978
23881	AGI_HUM1_OLIGO_A_23_P93844	TOMM7 ^ Translocase of outer mitochondrial membrane 7 homolog (yeast) ^ 54543	-6.192801643	-1.023333333	0.165245618	0.491978327	1.94939914
37330	AGI_OLIGO_NKI_NM_003158	^ ^	-6.184438264	-1.566666667	0.253324005	0.337587487	1.94939914
38982	AGI_OLIGO_NM_012112_2_2787	TPX2 ^ TPX2, microtubule-associated protein homolog (Xenopus laevis) ^ 22974	-6.172303031	-0.987333333	0.159961902	0.50440926	1.94939914
5717	AGI_HUM1_OLIGO_A_23_P152284	C16orf33 ^ Chromosome 16 open reading frame 33 ^ 79622	-6.171969378	-1.546	0.250487309	0.342458245	1.94939914
2433	AGI_HUM1_OLIGO_A_23_P122197	CCNB1 ^ Cyclin B1 ^ 891	-6.157089043	-0.963333333	0.156459217	0.512870561	1.94939914
29581	AGI_HUM1_OLIGO_A_24_P406601	OLFM1 ^ Olfactomedin 1 ^ 10439	-6.149066794	-3.291666667	0.535311581	0.102119716	1.94939914
39008	AGI_OLIGO_NM_012321_1_632	LSM4 ^ LSM4 homolog, U6 small nuclear RNA associated (S. cerevisiae) ^ 25804	-6.144778162	-1.021333333	0.166211588	0.492660826	1.94939914
38266	AGI_OLIGO_NM_003236_1_3389	TGFA ^ Transforming growth factor, alpha ^ 7039	-6.143308554	-1.76	0.286490575	0.295248165	1.94939914
38098	AGI_OLIGO_NM_002452_2_458	NUDT1 ^ Nudix (nucleoside diphosphate linked moiety X)-type motif 1 ^ 4521	-6.086607048	-1.403	0.230506091	0.378141999	1.94939914
19574	AGI_HUM1_OLIGO_A_23_P54006	HECTD1 ^ HECT domain containing 1 ^ 25831	-6.068310015	-1.96	0.322989431	0.257028457	1.94939914
39428	AGI_OLIGO_NM_021953_1_2813	FOXM1 ^ Forkhead box M1 ^ 2305	-6.050404969	-1.134666667	0.187535656	0.455440134	1.94939914
38336	AGI_OLIGO_NM_003600_1_2082	STK6 ^ Serine/threonine kinase 6 ^ 6790	-6.046725798	-1.86	0.307604489	0.275476279	1.94939914
37318	AGI_OLIGO_NKI_NM_001673	ASNS ^ Asparagine synthetase ^ 440	-6.044179303	-1.053333333	0.17427235	0.481853559	1.94939914
39429	AGI_OLIGO_NM_021953_1_3088	FOXM1 ^ Forkhead box M1 ^ 2305	-6.030199781	-1.086333333	0.180148813	0.47095681	1.94939914
35142	AGI_HUM1_OLIGO_A_32_P503015	^ ^	-6.027984967	-1.160185185	0.192466503	0.447455096	1.94939914
35493	AGI_HUM1_OLIGO_A_32_P72447	UBE2S ^ Ubiquitin-conjugating enzyme E2S ^ 27338	-6.016867129	-1.708	0.283868658	0.306084098	1.94939914
27776	AGI_HUM1_OLIGO_A_24_P29703	MKRN1 ^ Makorin, ring finger protein, 1 ^ 23608	-6.011325961	-0.815666667	0.135688311	0.568145887	1.94939914
5371	AGI_HUM1_OLIGO_A_23_P149200	CDC20 ^ CDC20 cell division cycle 20 homolog (S. cerevisiae) ^ 991	-5.999403246	-1.083666667	0.180629076	0.471828128	1.94939914
14513	AGI_HUM1_OLIGO_A_23_P34788	KIF2C ^ Kinesin family member 2C ^ 11004	-5.9656574	-1.033333333	0.173213657	0.488579984	1.94939914
32239	AGI_HUM1_OLIGO_A_24_P93901	SIN3B ^ SIN3 homolog B, transcriptional regulator (yeast) ^ 23309	-5.928356354	-1.773333333	0.299127318	0.292532063	2.27941553
9274	AGI_HUM1_OLIGO_A_23_P20905	OXCT1 ^ 3-oxoacid CoA transferase 1 ^ 5019	-5.923538152	-1.191	0.201062265	0.437999158	2.27941553
11298	AGI_HUM1_OLIGO_A_23_P253524	XENPE ^ Centromere protein E, 312kDa ^ 1062	-5.91195621	-0.97	0.164074287	0.510506063	2.27941553
23268	AGI_HUM1_OLIGO_A_23_P88233	C14orf122 ^ Chromosome 14 open reading frame 122 ^ 51016	-5.900655886	-0.879333333	0.149022982	0.543618578	2.27941553
32729	AGI_HUM1_OLIGO_A_32_P111609	TOMM7 ^ Translocase of outer mitochondrial membrane 7 homolog (yeast) ^ 54543	-5.861210638	-0.882666667	0.150594599	0.542364003	2.27941553
21117	AGI_HUM1_OLIGO_A_23_P68068	FLJ12953 ^ Hypothetical protein FLJ12953 similar to Mus musculus D3Mm3e ^ 84058	-5.830024857	-1.998333333	0.342765834	0.250288978	2.27941553
21435	AGI_HUM1_OLIGO_A_23_P70989	JTV1 ^ JTV1 gene ^ 7965	-5.827672855	-1.238333333	0.21249191	0.423862038	2.27941553
3484	AGI_HUM1_OLIGO_A_23_P131866	STK6 ^ Serine/threonine kinase 6 ^ 6790	-5.818508319	-1.49	0.256079379	0.356012549	2.27941553
12094	AGI_HUM1_OLIGO_A_23_P2671	KRT4 ^ Keratin 4 ^ 3851	-5.800454831	-0.877192593	0.151228243	0.544425825	2.27941553
13870	AGI_HUM1_OLIGO_A_23_P331895	TTYH3 ^ Tweety homolog 3 (Drosophila) ^ 80727	-5.786951835	-0.659666667	0.113992078	0.63302454	2.27941553

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
3893	AGI_HUM1_OLIGO_A_23_P135616	STX18 ^ Syntaxin 18 ^ 53407	-5.766676446	-0.953	0.165259835	0.516557194	2.27941553
10955	AGI_HUM1_OLIGO_A_23_P250701	PRKWINK1 ^ Protein kinase, lysine deficient 1 ^ 65125	-5.747670902	-0.676666667	0.117728847	0.62560907	2.27941553
32128	AGI_HUM1_OLIGO_A_24_P935103	ADCY9 ^ Adenylate cyclase 9 ^ 115	-5.739799444	-1.389666667	0.242110666	0.381652973	2.27941553
10094	AGI_HUM1_OLIGO_A_23_P215652	TBRG4 ^ Transforming growth factor beta regulator 4 ^ 9238	-5.739240434	-1.231333333	0.214546393	0.425923627	2.27941553
23264	AGI_HUM1_OLIGO_A_23_P88201	C14orf10 ^ Chromosome 14 open reading frame 10 ^ 55012	-5.690289356	-1.404	0.246736135	0.377879982	2.27941553
14690	AGI_HUM1_OLIGO_A_23_P351866	NALP8 ^ NACHT, leucine rich repeat and PYD containing 8 ^ 126205	-5.675863024	-0.781211111	0.137637414	0.581878114	2.27941553
5890	AGI_HUM1_OLIGO_A_23_P153757	LSM4 ^ LSM4 homolog, U6 small nuclear RNA associated (S. cerevisiae) ^ 25804	-5.673254729	-1.147	0.202176714	0.451563255	2.27941553
37335	AGI_OLIGO_NKI_NM_003600	STK6 ^ Serine/threonine kinase 6 ^ 6790	-5.663440707	-1.706666667	0.301348024	0.306367111	2.27941553
35038	AGI_HUM1_OLIGO_A_32_P458096	KIAA1171 ^ KIAA1171 protein ^ 57465	-5.65947234	-1.781666667	0.314811445	0.290847203	2.27941553
38941	AGI_OLIGO_NM_007019_1_406	UBE2C ^ Ubiquitin-conjugating enzyme E2C ^ 11065	-5.651328531	-1.399333333	0.247611394	0.379104285	2.27941553
18452	AGI_HUM1_OLIGO_A_23_P45180	GYPA ^ Glycophorin A (includes MN blood group) ^ 2993	-5.649071403	-1.04387037	0.184786188	0.485024534	2.27941553
7886	AGI_HUM1_OLIGO_A_23_P17593	CDH4 ^ Cadherin 4, type 1, R-cadherin (retinal) ^ 1002	-5.623812571	-2.856666667	0.507959081	0.13805675	2.5946228
2528	AGI_HUM1_OLIGO_A_23_P123125	CCM2 ^ Cerebral cavernous malformation 2 ^ 83605	-5.616260181	-0.762	0.135677475	0.589678296	2.5946228
21428	AGI_HUM1_OLIGO_A_23_P70915	C7orf19 ^ Chromosome 7 open reading frame 19 ^ 80228	-5.600936759	-1.784	0.318518147	0.290377183	2.5946228
2631	AGI_HUM1_OLIGO_A_23_P124084	LOXL1 ^ Lysyl oxidase-like 1 ^ 4016	-5.565864188	-1.693	0.304175586	0.30928312	2.5946228
31867	AGI_HUM1_OLIGO_A_24_P925611	DDX17 ^ DEAD (Asp-Glu-Ala-Asp) box polypeptide 17 ^ 10521	-5.555990286	-0.694666667	0.125030216	0.617852056	2.5946228
20261	AGI_HUM1_OLIGO_A_23_P60069	VDAC3 ^ Voltage-dependent anion channel 3 ^ 7419	-5.500297539	-1.151333333	0.209322009	0.450208958	2.5946228
38335	AGI_OLIGO_NM_003600_1_2022	STK6 ^ Serine/threonine kinase 6 ^ 6790	-5.499209255	-1.595	0.2900417	0.331022228	2.5946228
27189	AGI_HUM1_OLIGO_A_24_P258633	TUBB3 ^ Tubulin, beta 3 ^ 10381	-5.486875533	-2.108	0.384189506	0.231968369	2.5946228
4727	AGI_HUM1_OLIGO_A_23_P143207	UBE2C ^ Ubiquitin-conjugating enzyme E2C ^ 11065	-5.476741372	-1.193333333	0.217891124	0.437291335	2.5946228
17214	AGI_HUM1_OLIGO_A_23_P411335	SGOL2 ^ Shugoshin-like 2 (S. pombe) ^ 151246	-5.474906999	-1.030666667	0.188252817	0.489483907	2.5946228
38969	AGI_OLIGO_NM_007295_1_7137	BRCA1 ^ Breast cancer 1, early onset ^ 672	-5.445499737	-0.896666667	0.164661961	0.537126324	2.6876822
36642	AGI_OLIGO_AL157459_1_1981	CBX2 ^ Chromobox homolog 2 (Pc class homolog, Drosophila) ^ 876	-5.399630764	-1.587333333	0.293970718	0.332786005	2.6876822
33847	AGI_HUM1_OLIGO_A_32_P191084	KCTD5 ^ Potassium channel tetramerisation domain containing 5 ^ 54442	-5.389050368	-0.996333333	0.184881058	0.501272386	2.6876822
18519	AGI_HUM1_OLIGO_A_23_P45917	CKS1B ^ CDC28 protein kinase regulatory subunit 1B ^ 1163	-5.362610825	-0.753333333	0.140478837	0.593231317	2.6876822
36619	AGI_OLIGO_AL133057_1_1975	DKFZp434K1815 ^ Hypothetical protein DKFZp434K1815 ^ 222229	-5.348127747	-1.047666667	0.195894099	0.483749922	2.6876822
6627	AGI_HUM1_OLIGO_A_23_P160537	MGC2603 ^ Hypothetical protein MGC2603 ^ 79000	-5.345623209	-1.774333333	0.331922634	0.292329366	2.6876822
26801	AGI_HUM1_OLIGO_A_24_P235316	VDAC3 ^ Voltage-dependent anion channel 3 ^ 7419	-5.323808946	-1.014666667	0.190590361	0.494942671	2.6876822
4554	AGI_HUM1_OLIGO_A_23_P141715	C18orf10 ^ Chromosome 18 open reading frame 10 ^ 25941	-5.318687776	-0.975666667	0.183441237	0.508504813	2.6876822
8525	AGI_HUM1_OLIGO_A_23_P203137	UBE4A ^ Ubiquitination factor E4A (UFD2 homolog, yeast) ^ 9354	-5.317725816	-1.032	0.194067922	0.489031737	2.6876822
7777	AGI_HUM1_OLIGO_A_23_P170927	CXYorf2 ^ Chromosome X and Y open reading frame 2 ^ 80161	-5.27650453	-0.813	0.154079276	0.569197015	2.8736832
25493	AGI_HUM1_OLIGO_A_24_P154948	GARS ^ Glycyl-tRNA synthetase ^ 2617	-5.261240547	-1.778333333	0.338006468	0.291519979	2.8736832
37349	AGI_OLIGO_NKI_NM_004456	EZH2 ^ Enhancer of zeste homolog 2 (Drosophila) ^ 2146	-5.245915794	-0.916666667	0.174739112	0.529731547	2.8736832
23262	AGI_HUM1_OLIGO_A_23_P88194	SIP1 ^ Survival of motor neuron protein interacting protein 1 ^ 8487	-5.16503327	-1.166666667	0.225877861	0.445449359	2.8736832
3615	AGI_HUM1_OLIGO_A_23_P133058	PP784 ^ PP784 protein ^ 114932	-5.15345836	-1.012666667	0.196502348	0.495629283	2.8736832
19349	AGI_HUM1_OLIGO_A_23_P51777	SECP43 ^ tRNA selenocysteine associated protein ^ 54952	-5.139113635	-0.723333333	0.140750601	0.605696368	2.8736832
15083	AGI_HUM1_OLIGO_A_23_P360874	DKFZp434K1815 ^ Hypothetical protein DKFZp434K1815 ^ 222229	-5.118988481	-1.089666667	0.212867575	0.469869925	3.1792214
17624	AGI_HUM1_OLIGO_A_23_P42087	BPHL ^ Biphenyl hydrolase-like (serine hydrolase; breast epithelial mucin-associated)	-5.118012708	-0.928333333	0.181385508	0.525465032	3.1792214
14639	AGI_HUM1_OLIGO_A_23_P35082	SESN2 ^ Sestrin 2 ^ 83667	-5.114831221	-1.427	0.278992588	0.371903441	3.1792214
28808	AGI_HUM1_OLIGO_A_24_P359291	GALGT ^ UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminy)-galactosylglucos	-5.103038557	-2.038441667	0.39945645	0.243426533	3.1792214
10471	AGI_HUM1_OLIGO_A_23_P218694	GNAS ^ GNAS complex locus ^ 2778	-5.096227635	-0.973333333	0.190990945	0.509327905	3.1792214
15788	AGI_HUM1_OLIGO_A_23_P377284	TGFA ^ Transforming growth factor, alpha ^ 7039	-5.087781977	-2.150333333	0.422646517	0.225260563	3.1792214
32955	AGI_HUM1_OLIGO_A_32_P126375	NHS ^ Nance-Horan syndrome (congenital cataracts and dental anomalies) ^ 4810	-5.077037436	-2.313291667	0.455638095	0.201200854	3.1792214
16759	AGI_HUM1_OLIGO_A_23_P400344	MGC10067 ^ Hypothetical protein MGC10067 ^ 134510	-5.064005557	-1.293	0.255331473	0.408101523	3.1792214
4863	AGI_HUM1_OLIGO_A_23_P144445	PGR1 ^ Protein associated with MRG, 14 kDa ^ 93621	-5.055100929	-1.036666667	0.205073387	0.487452428	3.1792214
25959	AGI_HUM1_OLIGO_A_24_P184803	COCH ^ Coagulation factor C homolog, cochlin (Limulus polyphemus) ^ 1690	-5.053133365	-1.76	0.348298743	0.295248165	3.1792214

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
10041	AGI_HUM1_OLIGO_A_23_P215208	FIGN1 ^ Fidgetin-like 1 ^ 63979	-5.048464669	-1.043333333	0.206663491	0.485205116	3.17922142
21471	AGI_HUM1_OLIGO_A_23_P71319	FDFT1 ^ Farnesyl-diphosphate farnesyltransferase 1 ^ 2222	-5.047249762	-1.345	0.26648176	0.393653988	3.17922142
25179	AGI_HUM1_OLIGO_A_24_P135322	NRP1 ^ Neuropilin 1 ^ 8829	-5.043438162	-2.712	0.537728413	0.152618314	3.17922142
17827	AGI_HUM1_OLIGO_A_23_P425750	ARMC6 ^ Armadillo repeat containing 6 ^ 93436	-5.026763512	-0.788666667	0.156893529	0.578878842	3.17922142
13005	AGI_HUM1_OLIGO_A_23_P31218	C7orf13 ^ Chromosome 7 open reading frame 13 ^ 129790	-5.018568443	-1.626	0.323996777	0.323985241	3.17922142
20543	AGI_HUM1_OLIGO_A_23_P62764	MGC1203 ^ Hypothetical protein MGC1203 ^ 79140	-4.982712943	-1.617	0.324522006	0.326012684	3.17922142
8573	AGI_HUM1_OLIGO_A_23_P203514	CARS ^ Cysteinyl-tRNA synthetase ^ 833	-4.977618263	-1.240666667	0.249249059	0.423177062	3.17922142
21437	AGI_HUM1_OLIGO_A_23_P70991	JTV1 ^ JTV1 gene ^ 7965	-4.963693296	-1.309333333	0.263782078	0.403507296	3.17922142
6751	AGI_HUM1_OLIGO_A_23_P161615	POLA2 ^ Polymerase (DNA-directed), alpha (70kD) ^ 23649	-4.960571105	-0.784666667	0.158180711	0.580486062	3.17922142
20474	AGI_HUM1_OLIGO_A_23_P62099	MAGEC2 ^ Melanoma antigen, family C, 2 ^ 51438	-4.943566631	-3.083966667	0.623834348	0.117932506	3.17922142
16877	AGI_HUM1_OLIGO_A_23_P40309	SNRPB ^ Small nuclear ribonucleoprotein polypeptide B" ^ 6629	-4.942870298	-0.87	0.176011092	0.547146851	3.17922142
14302	AGI_HUM1_OLIGO_A_23_P342668	DXYS155E ^ DNA segment on chromosome X and Y (unique) 155 expressed sequence	-4.934934842	-1.042666667	0.211282763	0.48542938	3.17922142
4908	AGI_HUM1_OLIGO_A_23_P14482	C14orf166 ^ Chromosome 14 open reading frame 166 ^ 51637	-4.923244038	-0.967333333	0.196482914	0.511450551	3.17922142
17480	AGI_HUM1_OLIGO_A_23_P417371	ZSCAN2 ^ Zinc finger and SCAN domain containing 2 ^ 54993	-4.915862444	-1.219333333	0.248040572	0.429481135	3.17922142
26100	AGI_HUM1_OLIGO_A_24_P193093	KLRK1 ^ Killer cell lectin-like receptor subfamily K, member 1 ^ 22914	-4.910945416	-1.8923	0.385322955	0.269377265	3.17922142
22058	AGI_HUM1_OLIGO_A_23_P76815	COCH ^ Coagulation factor C homolog, cochlin (Limulus polyphemus) ^ 1690	-4.909560454	-1.753666667	0.35719423	0.296547134	3.17922142
20548	AGI_HUM1_OLIGO_A_23_P6281	COL6A1 ^ Collagen, type VI, alpha 1 ^ 1291	-4.905834184	-1.921	0.391574588	0.264071406	3.17922142
39260	AGI_OLIGO_NM_017488_1_3933	ADD2 ^ Adducin 2 (beta) ^ 119	-4.861519473	-2.379666667	0.489490309	0.192153789	3.17922142
18635	AGI_HUM1_OLIGO_A_23_P46928	PFKP ^ Phosphofructokinase, platelet ^ 5214	-4.860765506	-1.113	0.228976279	0.462331639	3.17922142
5021	AGI_HUM1_OLIGO_A_23_P145777	NDUFA4 ^ NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa ^ 4697	-4.831963426	-0.983	0.20343697	0.505926601	3.17922142
2661	AGI_HUM1_OLIGO_A_23_P124417	BUB1 ^ BUB1 budding uninhibited by benzimidazoles 1 homolog (yeast) ^ 699	-4.831184473	-1.37	0.283574351	0.386891248	3.17922142
1487	AGI_HUM1_OLIGO_A_23_P113522	GTPBP6 ^ GTP binding protein 6 (putative) ^ 8225	-4.829889048	-1.421666667	0.294347686	0.373280832	3.17922142
17560	AGI_HUM1_OLIGO_A_23_P41948	FLJ20364 ^ Hypothetical protein FLJ20364 ^ 54908	-4.82511097	-1.565666667	0.324483038	0.337821565	3.17922142
35063	AGI_HUM1_OLIGO_A_32_P465742	PIP5K1B ^ Phosphatidylinositol-4-phosphate 5-kinase, type I, beta ^ 8395	-4.821783927	-2.228666667	0.462207909	0.213355814	3.17922142
6389	AGI_HUM1_OLIGO_A_23_P158148	CCT6A ^ Chaperonin containing TCP1, subunit 6A (zeta 1) ^ 908	-4.812527142	-1.084333333	0.225314747	0.471610148	3.17922142
21640	AGI_HUM1_OLIGO_A_23_P72912	SLC4A8 ^ Solute carrier family 4, sodium bicarbonate cotransporter, member 8 ^ 949	-4.80550577	-0.659759259	0.137292366	0.632983913	3.17922142
24565	AGI_HUM1_OLIGO_A_24_P100517	C9orf140 ^ Chromosome 9 open reading frame 140 ^ 89958	-4.796095914	-1.145333333	0.238805344	0.452085223	3.17922142
19526	AGI_HUM1_OLIGO_A_23_P53476	LDHB ^ Lactate dehydrogenase B ^ 3945	-4.784943081	-0.546666667	0.114247266	0.684600064	3.17922142
18962	AGI_HUM1_OLIGO_A_23_P49878	FLJ10156 ^ Hypothetical protein FLJ10156 ^ 54478	-4.784347188	-0.806666667	0.168605378	0.571701243	3.17922142
27785	AGI_HUM1_OLIGO_A_24_P297539	UBE2C ^ Ubiquitin-conjugating enzyme E2C ^ 11065	-4.782413359	-1.145666667	0.239558269	0.451980781	3.17922142
37734	AGI_OLIGO_NM_001067_2_5423	TOP2A ^ Topoisomerase (DNA) II alpha 170kDa ^ 7153	-4.775573861	-1.029	0.215471487	0.490049708	3.17922142
6732	AGI_HUM1_OLIGO_A_23_P161474	MCM10 ^ MCM10 minichromosome maintenance deficient 10 (S. cerevisiae) ^ 55388	-4.773247868	-1.345333333	0.281848622	0.393563045	3.17922142
8970	AGI_HUM1_OLIGO_A_23_P206632	PAQR4 ^ Progestin and adipoQ receptor family member IV ^ 124222	-4.772506193	-1.42	0.297537592	0.373712312	3.17922142
35007	AGI_HUM1_OLIGO_A_32_P446374	^ Homo sapiens, clone IMAGE:3930408, mRNA ^	-4.770625033	-1.78695	0.37457356	0.289784031	3.17922142
36620	AGI_OLIGO_AL133057_1_2043	DKFZp434K1815 ^ Hypothetical protein DKFZp434K1815 ^ 222229	-4.744324145	-1.153333333	0.243097499	0.449585268	3.24859346
9361	AGI_HUM1_OLIGO_A_23_P209735	FLJ12584 ^ Hypothetical protein FLJ12584 ^ 80210	-4.735871925	-1.568891667	0.331278314	0.337067243	3.24859346
38446	AGI_OLIGO_NM_004219_2_4	PTTG1 ^ Pituitary tumor-transforming 1 ^ 9232	-4.733839919	-1.690333333	0.35707446	0.309855325	3.24859346
28399	AGI_HUM1_OLIGO_A_24_P335620	SLC7A5 ^ Solute carrier family 7 (cationic amino acid transporter, y+ system), member 5 ^ 9249	-4.729160139	-1.958	0.414027003	0.257385021	3.24859346
14093	AGI_HUM1_OLIGO_A_23_P33759	DHS3 ^ Dehydrogenase/reductase (SDR family) member 3 ^ 9249	-4.728914207	-1.817333333	0.384302454	0.283744959	3.24859346
12619	AGI_HUM1_OLIGO_A_23_P30315	TRIM7 ^ Tripartite motif-containing 7 ^ 81786	-4.717393004	-1.151666667	0.244132016	0.450104949	3.24859346
11619	AGI_HUM1_OLIGO_A_23_P256455	RPA3 ^ Replication protein A3, 14kDa ^ 6119	-4.715963315	-1.453333333	0.308173163	0.365176711	3.24859346
14445	AGI_HUM1_OLIGO_A_23_P346206	^ ^	-4.684586836	-1.000333333	0.213537152	0.499884489	3.24859346
720	AGI_HUM1_OLIGO_A_23_P106204	GSTZ1 ^ Glutathione transferase zeta 1 (maleylacetoacetate isomerase) ^ 2954	-4.683677879	-1.002333333	0.214005608	0.499191982	3.24859346
23696	AGI_HUM1_OLIGO_A_23_P9214	NANS ^ N-acetylneuraminic acid synthase (sialic acid synthase) ^ 54187	-4.673745213	-0.721333333	0.154337325	0.606536624	3.24859346
39099	AGI_OLIGO_NM_014501_1_635	UBE2S ^ Ubiquitin-conjugating enzyme E2S ^ 27338	-4.665518732	-1.573333333	0.33722581	0.3360311	3.24859346
6981	AGI_HUM1_OLIGO_A_23_P163659	MPG ^ N-methylpurine-DNA glycosylase ^ 4350	-4.665081007	-1.299666667	0.278594662	0.406220044	3.24859346

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
36274	AGI_OLIGO_AK023653_1_1893	SMARCE1 ^ SWI/SNF related, matrix associated, actin dependent regulator of chrom:	-4.659453959	-0.937666667	0.201239603	0.522076575	3.24859346
1772	AGI_HUM1_OLIGO_A_23_P116430	USH1C ^ Usher syndrome 1C (autosomal recessive, severe) ^ 10083	-4.624365638	-0.8205	0.177429742	0.566245663	3.24859346
26235	AGI_HUM1_OLIGO_A_24_P202527	SMAD2 ^ SMAD, mothers against DPP homolog 2 (Drosophila) ^ 4087	-4.619219901	-1.037	0.224496781	0.487339815	3.24859346
10841	AGI_HUM1_OLIGO_A_23_P24723	HSPC196 ^ Hypothetical protein HSPC196 ^ 51524	-4.60292537	-0.900333333	0.195600246	0.535762929	3.24859346
3303	AGI_HUM1_OLIGO_A_23_P130316	PIAS2 ^ Protein inhibitor of activated STAT, 2 ^ 9063	-4.600611852	-1.633666667	0.355097696	0.322268109	3.24859346
4141	AGI_HUM1_OLIGO_A_23_P138025	FLJ10349 ^ Hypothetical protein FLJ10349 ^ 54707	-4.598257394	-0.77	0.167454741	0.586417475	3.24859346
39139	AGI_OLIGO_NM_014791_1_2145	MELK ^ Maternal embryonic leucine zipper kinase ^ 9833	-4.585219068	-0.653333333	0.142486831	0.635809583	3.62118
15139	AGI_HUM1_OLIGO_A_23_P362228	LOC148898 ^ Hypothetical protein BC007899 ^ 148898	-4.568564987	-1.347666667	0.294986866	0.392927033	3.62118
20867	AGI_HUM1_OLIGO_A_23_P6582	PMS2 ^ PMS2 postmeiotic segregation increased 2 (S. cerevisiae) ^ 5395	-4.568234253	-0.921666667	0.201755561	0.527898815	3.62118
1440	AGI_HUM1_OLIGO_A_23_P113026	PARN ^ Poly(A)-specific ribonuclease (deadenylation nuclease) ^ 5073	-4.562714227	-0.771666667	0.169124479	0.58574041	3.62118
7866	AGI_HUM1_OLIGO_A_23_P17430	RNPC1 ^ RNA-binding region (RNP1, RRM) containing 1 ^ 55544	-4.560495163	-1.163333333	0.255089259	0.446479756	3.62118
28032	AGI_HUM1_OLIGO_A_24_P313756	TUBB6 ^ Tubulin, beta 6 ^ 84617	-4.530291633	-1.091333333	0.240896927	0.469327423	3.62118
15879	AGI_HUM1_OLIGO_A_23_P37954	CCNF ^ Cyclin F ^ 899	-4.523948536	-1.132933333	0.250430199	0.455987653	3.62118
31093	AGI_HUM1_OLIGO_A_24_P810290	^ ^	-4.520937297	-2.400666667	0.53101083	0.18937704	3.62118
12176	AGI_HUM1_OLIGO_A_23_P27334	ZFP161 ^ Zinc finger protein 161 homolog (mouse) ^ 7541	-4.517946158	-0.856	0.189466623	0.552482242	3.62118
32529	AGI_HUM1_OLIGO_A_24_P98086	GNA12 ^ Guanine nucleotide binding protein (G protein) alpha 12 ^ 2768	-4.515793265	-0.860666667	0.190590361	0.550698023	3.62118
23269	AGI_HUM1_OLIGO_A_23_P88234	C14orf122 ^ Chromosome 14 open reading frame 122 ^ 51016	-4.500082005	-1.186333333	0.263624825	0.439418242	3.62118
24103	AGI_HUM1_OLIGO_A_23_P95972	TXNL4B ^ Thioredoxin-like 4B ^ 54957	-4.498843027	-1.004666667	0.223316675	0.49838527	3.62118
38966	AGI_OLIGO_NM_007274_1_839	BACH ^ Brain acyl-CoA hydrolase ^ 11332	-4.492428386	-1.610333333	0.358454981	0.327522668	3.62118
5106	AGI_HUM1_OLIGO_A_23_P146572	NPDC1 ^ Neural proliferation, differentiation and control, 1 ^ 56654	-4.488670982	-1.454	0.323926616	0.365008003	3.62118
3057	AGI_HUM1_OLIGO_A_23_P128154	TUBA6 ^ Tubulin alpha 6 ^ 84790	-4.477540615	-0.776	0.173309427	0.583983697	3.62118
33182	AGI_HUM1_OLIGO_A_32_P143245	^ ^	-4.472090097	-0.728333333	0.162861954	0.603600818	3.62118
11192	AGI_HUM1_OLIGO_A_23_P252642	BBS5 ^ Bardet-Biedl syndrome 5 ^ 129880	-4.469076866	-1.195	0.267393029	0.436786448	3.62118
11473	AGI_HUM1_OLIGO_A_23_P255122	GAB3 ^ GRB2-associated binding protein 3 ^ 139716	-4.455001531	-0.659666667	0.148073275	0.63302454	3.62118
12084	AGI_HUM1_OLIGO_A_23_P26649	HSCARG ^ HSCARG protein ^ 57407	-4.449895734	-0.694	0.15595871	0.61813763	3.62118
23692	AGI_HUM1_OLIGO_A_23_P9212	NANS ^ N-acetylneuraminic acid synthase (sialic acid synthase) ^ 54187	-4.438105073	-0.826666667	0.186265682	0.563830464	3.62118
22666	AGI_HUM1_OLIGO_A_23_P82361	GARS ^ Glycyl-tRNA synthetase ^ 2617	-4.43386278	-1.473333333	0.332291144	0.360149215	3.62118
19922	AGI_HUM1_OLIGO_A_23_P56969	C20orf11 ^ Chromosome 20 open reading frame 11 ^ 54994	-4.431503129	-1.218333333	0.274925527	0.429778932	3.62118
10170	AGI_HUM1_OLIGO_A_23_P216312	CNOT7 ^ CCR4-NOT transcription complex, subunit 7 ^ 29883	-4.42731363	-0.822333333	0.185740926	0.565526552	3.62118
17832	AGI_HUM1_OLIGO_A_23_P425826	PP784 ^ PP784 protein ^ 114932	-4.417994914	-1.062666667	0.240531437	0.47874633	3.62118
28941	AGI_HUM1_OLIGO_A_24_P367227	^ ^	-4.414966279	-1.272142857	0.288143278	0.41404433	3.62118
21820	AGI_HUM1_OLIGO_A_23_P74648	NUDC ^ Nuclear distribution gene C homolog (A. nidulans) ^ 10726	-4.410959173	-1.229	0.278624207	0.426613049	3.88802271
28309	AGI_HUM1_OLIGO_A_24_P330397	STRN3 ^ Striatin, calmodulin binding protein 3 ^ 29966	-4.410315357	-1.056333333	0.239514241	0.480852614	3.88802271
35369	AGI_HUM1_OLIGO_A_32_P63848	OXCT1 ^ 3-oxoacid CoA transferase 1 ^ 5019	-4.408962334	-1.090666667	0.247374911	0.469544349	3.88802271
21172	AGI_HUM1_OLIGO_A_23_P68610	TPX2 ^ TPX2, microtubule-associated protein homolog (Xenopus laevis) ^ 22974	-4.408032681	-1.177	0.267012539	0.442270218	3.88802271
39647	AGI_OLIGO_NM_080668_1_1789	CDCA5 ^ Cell division cycle associated 5 ^ 113130	-4.404887651	-0.72	0.163454793	0.607097442	3.88802271
37552	AGI_OLIGO_NM_000350_1_6505	ABCA4 ^ ATP-binding cassette, sub-family A (ABC1), member 4 ^ 24	-4.400487718	-0.5507	0.125145219	0.682688805	3.88802271
28890	AGI_HUM1_OLIGO_A_24_P364381	MMAB ^ Methylmalonic aciduria (cobalamin deficiency) type B ^ 326625	-4.400285183	-0.503	0.114310773	0.705637922	3.88802271
37920	AGI_OLIGO_NM_001813_1_8118	CENPE ^ Centromere protein E, 312kDa ^ 1062	-4.386934994	-1.126666667	0.256823196	0.457972645	3.88802271
26304	AGI_HUM1_OLIGO_A_24_P205589	BACH ^ Brain acyl-CoA hydrolase ^ 11332	-4.386450644	-1.703333333	0.388316995	0.307075787	3.88802271
19661	AGI_HUM1_OLIGO_A_23_P54758	MIR16 ^ Membrane interacting protein of RGS16 ^ 51573	-4.378519294	-0.734333333	0.167712709	0.601095726	3.88802271
38604	AGI_OLIGO_NM_004964_2_1751	HDAC1 ^ Histone deacetylase 1 ^ 3065	-4.373510024	-0.902666667	0.2063941	0.534897117	3.88802271
16076	AGI_HUM1_OLIGO_A_23_P3841	TRAP1 ^ TNF receptor-associated protein 1 ^ 10131	-4.359653763	-1.151666667	0.264164709	0.450104949	3.88802271
26953	AGI_HUM1_OLIGO_A_24_P245358	ATP5A1 ^ ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, is	-4.344945345	-0.868333333	0.199849081	0.547779305	3.88802271
28689	AGI_HUM1_OLIGO_A_24_P35109	CLDN3 ^ Claudin 3 ^ 1365	-4.337694527	-0.975333333	0.224850627	0.508622316	3.88802271
37735	AGI_OLIGO_NM_001067_2_5468	TOP2A ^ Topoisomerase (DNA) II alpha 170kDa ^ 7153	-4.329266817	-1.135666667	0.262323094	0.455124556	3.88802271

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Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
14164	AGI_HUM1_OLIGO_A_23_P339191	CBL ^ Cas-Br-M (murine) ecotropic retroviral transforming sequence ^ 867	-4.328939986	-0.658	0.152000259	0.633756261	3.88802271
21323	AGI_HUM1_OLIGO_A_23_P69988	RARS ^ Arginyl-tRNA synthetase ^ 5917	-4.328125448	-0.866	0.200086622	0.548665969	3.88802271
3001	AGI_HUM1_OLIGO_A_23_P127615	TRAPP4 ^ Trafficking protein particle complex 4 ^ 51399	-4.322806403	-0.876666667	0.202800354	0.544624328	3.88802271
14183	AGI_HUM1_OLIGO_A_23_P339705	C19orf14 ^ Chromosome 19 open reading frame 14 ^ 284403	-4.318209417	-1.063666667	0.246321233	0.478414604	3.88802271
24207	AGI_HUM1_OLIGO_A_23_P96990	NVL ^ Nuclear VCP-like ^ 4931	-4.310795654	-0.595	0.138025564	0.662044455	3.88802271
7862	AGI_HUM1_OLIGO_A_23_P17393	CSE1L ^ CSE1 chromosome segregation 1-like (yeast) ^ 1434	-4.308237317	-1.056	0.245111846	0.480963727	3.88802271
4525	AGI_HUM1_OLIGO_A_23_P141447	RAD52B ^ RAD52 homolog B (S. cerevisiae) ^ 201299	-4.307585716	-1.846666667	0.428701084	0.278034021	3.88802271
28287	AGI_HUM1_OLIGO_A_24_P329353	C7orf19 ^ Chromosome 7 open reading frame 19 ^ 80228	-4.301985643	-1.766333333	0.410585595	0.293954887	3.88802271
12672	AGI_HUM1_OLIGO_A_23_P304287	PSMC2 ^ Proteasome (prosome, macropain) 26S subunit, ATPase, 2 ^ 5701	-4.296064161	-0.796333333	0.185363464	0.575810765	3.88802271
18973	AGI_HUM1_OLIGO_A_23_P49972	CDC6 ^ CDC6 cell division cycle 6 homolog (S. cerevisiae) ^ 990	-4.292526557	-0.863333333	0.201124751	0.549681057	3.88802271
9513	AGI_HUM1_OLIGO_A_23_P210995	OSBPL2 ^ Oxysterol binding protein-like 2 ^ 9885	-4.290389069	-1.155333333	0.269284047	0.448962442	3.88802271
38618	AGI_OLIGO_NM_005030_2_1638	PLK1 ^ Polo-like kinase 1 (Drosophila) ^ 5347	-4.284762121	-0.745666667	0.174027553	0.596392216	3.88802271
23618	AGI_HUM1_OLIGO_A_23_P91468	PSMA7 ^ Proteasome (prosome, macropain) subunit, alpha type, 7 ^ 5688	-4.276970273	-1.122	0.262335235	0.459456442	3.88802271
31884	AGI_HUM1_OLIGO_A_24_P926432	^ ^	-4.276453716	-0.624	0.145915294	0.648869383	3.88802271
11287	AGI_HUM1_OLIGO_A_23_P253421	AUP1 ^ Ancient ubiquitous protein 1 ^ 550	-4.26660428	-0.958333333	0.224612659	0.514651118	3.88802271
8913	AGI_HUM1_OLIGO_A_23_P20615	ANP32B ^ Acidic (leucine-rich) nuclear phosphoprotein 32 family, member B ^ 10541	-4.263086747	-0.827666667	0.194147273	0.563439781	3.88802271
10097	AGI_HUM1_OLIGO_A_23_P215677	FLJ10803 ^ Hypothetical protein FLJ10803 ^ 55744	-4.26263637	-1.480333333	0.347281167	0.358405993	3.88802271
11719	AGI_HUM1_OLIGO_A_23_P25735	PSMA6 ^ Proteasome (prosome, macropain) subunit, alpha type, 6 ^ 5687	-4.260471785	-1.223	0.287057411	0.428390977	3.88802271
2512	AGI_HUM1_OLIGO_A_23_P122947	^ ^	-4.255824351	-0.805666667	0.189309191	0.572097654	3.88802271
4460	AGI_HUM1_OLIGO_A_23_P140876	ABCA3 ^ ATP-binding cassette, sub-family A (ABC1), member 3 ^ 21	-4.254563648	-1.413333333	0.332192312	0.375443226	3.88802271
38449	AGI_OLIGO_NM_004237_2_1999	TRIP13 ^ Thyroid hormone receptor interactor 13 ^ 9319	-4.254162533	-1.010333333	0.237492885	0.496431534	3.88802271
39295	AGI_OLIGO_NM_018101_1_1620	CDCA8 ^ Cell division cycle associated 8 ^ 55143	-4.243945125	-1.064666667	0.250867209	0.478083107	3.88802271
39356	AGI_OLIGO_NM_019082_1_1830	DDX56 ^ DEAD (Asp-Glu-Ala-Asp) box polypeptide 56 ^ 54606	-4.240098008	-0.97	0.228768297	0.510506063	3.88802271
30055	AGI_HUM1_OLIGO_A_24_P500891	AK2 ^ Adenylate kinase 2 ^ 204	-4.225270902	-0.910666667	0.215528587	0.531939226	3.88802271
19923	AGI_HUM1_OLIGO_A_23_P56971	C20orf11 ^ Chromosome 20 open reading frame 11 ^ 54994	-4.222378572	-1.131	0.267858502	0.456599125	3.88802271
7549	AGI_HUM1_OLIGO_A_23_P168683	DDX56 ^ DEAD (Asp-Glu-Ala-Asp) box polypeptide 56 ^ 54606	-4.213328529	-1.348333333	0.320016188	0.392745504	4.42580583
5369	AGI_HUM1_OLIGO_A_23_P149195	CDC20 ^ CDC20 cell division cycle 20 homolog (S. cerevisiae) ^ 991	-4.212744304	-0.906666667	0.215219961	0.533416121	4.42580583
4728	AGI_HUM1_OLIGO_A_23_P143218	PTE1 ^ Peroxisomal acyl-CoA thioesterase ^ 10005	-4.203187275	-0.954333333	0.22704992	0.516080014	4.42580583
13128	AGI_HUM1_OLIGO_A_23_P31477	KIAA1068 ^ KIAA1068 protein ^ 23386	-4.197420748	-1.420333333	0.338382406	0.373625976	4.42580583
2096	AGI_HUM1_OLIGO_A_23_P119337	ATF5 ^ Activating transcription factor 5 ^ 22809	-4.194867974	-1.800333333	0.429175208	0.287108245	4.42580583
38838	AGI_OLIGO_NM_006297_1_1841	XRCC1 ^ X-ray repair complementing defective repair in Chinese hamster cells 1 ^ 75	-4.187540728	-0.672	0.160476051	0.627635996	4.42580583
6172	AGI_HUM1_OLIGO_A_23_P156198	PHF15 ^ PHD finger protein 15 ^ 23338	-4.178598571	-1.091666667	0.261251864	0.469218998	4.42580583
28031	AGI_HUM1_OLIGO_A_24_P313744	USP14 ^ Ubiquitin specific protease 14 (tRNA-guanine transglycosylase) ^ 9097	-4.175995103	-0.976666667	0.233876392	0.508152466	4.42580583
37750	AGI_OLIGO_NM_001101_2_1456	ACTB ^ Actin, beta ^ 60	-4.160690398	-0.526666667	0.126581556	0.694156725	4.42580583
20206	AGI_HUM1_OLIGO_A_23_P59602	FLJ20323 ^ Hypothetical protein FLJ20323 ^ 54468	-4.156155933	-0.963333333	0.231784695	0.512870561	4.42580583
35925	AGI_HUM1_OLIGO_A_32_P98313	NDUFA4 ^ NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa ^ 4697	-4.153762337	-0.979	0.235689941	0.507331273	4.42580583
6511	AGI_HUM1_OLIGO_A_23_P15937	SMAD2 ^ SMAD, mothers against DPP homolog 2 (Drosophila) ^ 4087	-4.149046006	-0.673333333	0.162286302	0.627056205	4.42580583
6560	AGI_HUM1_OLIGO_A_23_P159877	RAB39B ^ RAB39B, member RAS oncogene family ^ 116442	-4.147567816	-1.735	0.418317452	0.300409012	4.42580583
23356	AGI_HUM1_OLIGO_A_23_P89020	AARS ^ Alanyl-tRNA synthetase ^ 16	-4.145388502	-1.001333333	0.241553556	0.499538115	4.42580583
39233	AGI_OLIGO_NM_016354_2_1925	SLCO4A1 ^ Solute carrier organic anion transporter family, member 4A1 ^ 28231	-4.143603804	-1.279	0.308668507	0.412081042	4.42580583
18404	AGI_HUM1_OLIGO_A_23_P44758	HYPB ^ Huntingtin interacting protein B ^ 29072	-4.133131667	-0.463	0.112021595	0.725476104	4.42580583
4213	AGI_HUM1_OLIGO_A_23_P13872	MLF2 ^ Myeloid leukemia factor 2 ^ 8079	-4.124040509	-0.605666667	0.146862444	0.657167634	4.42580583
37747	AGI_OLIGO_NM_001089_1_6034	ABCA3 ^ ATP-binding cassette, sub-family A (ABC1), member 3 ^ 21	-4.120670239	-1.245333333	0.302216208	0.421810428	4.42580583
763	AGI_HUM1_OLIGO_A_23_P106661	CKLSF1 ^ Chemokine-like factor super family 1 ^ 113540	-4.118451453	-1.414666667	0.343494802	0.375096403	4.42580583
23222	AGI_HUM1_OLIGO_A_23_P87827	MGC5139 ^ Hypothetical protein MGC5139 ^ 84747	-4.118035622	-0.706666667	0.171602854	0.612734221	4.42580583
23856	AGI_HUM1_OLIGO_A_23_P93623	ATP6V1F ^ ATPase, H+ transporting, lysosomal 14kDa, V1 subunit F ^ 9296	-4.103151572	-0.646	0.157439955	0.639049682	4.42580583

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List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
5181	AGI_HUM1_OLIGO_A_23_P147314	PCDH11Y ^ Protocadherin 11 Y-linked ^ 83259	-4.099641338	-1.409	0.343688602	0.376572617	4.42580583
39702	AGI_OLIGO_NM_145058_1_897	^ ^	-4.098809474	-1.189333333	0.290165557	0.438505446	4.42580583
10065	AGI_HUM1_OLIGO_A_23_P215406	RAC1 ^ Ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding pro	-4.0971428	-0.985666667	0.240574155	0.504992313	4.42580583
21930	AGI_HUM1_OLIGO_A_23_P75622	ATP5L ^ ATP synthase, H+ transporting, mitochondrial F0 complex, subunit g ^ 10632	-4.095736197	-0.885666667	0.216241141	0.54123736	4.42580583
30648	AGI_HUM1_OLIGO_A_24_P678104	STMN3 ^ Stathmin-like 3 ^ 50861	-4.089035396	-1.566	0.382975408	0.337743521	4.42580583
19970	AGI_HUM1_OLIGO_A_23_P57413	PPM1F ^ Protein phosphatase 1F (PP2C domain containing) ^ 9647	-4.084716116	-2.044291667	0.500473377	0.242441459	4.42580583
23337	AGI_HUM1_OLIGO_A_23_P88840	FLJ20399 ^ Hypothetical protein FLJ20399 ^ 54920	-4.082545757	-0.904666667	0.221593761	0.534156106	4.42580583
19036	AGI_HUM1_OLIGO_A_23_P50096	TYMS ^ Thymidylate synthetase ^ 7298	-4.082298399	-0.536666667	0.131461891	0.689361834	4.42580583
8735	AGI_HUM1_OLIGO_A_23_P20480	BRF2 ^ BRF2, subunit of RNA polymerase III transcription initiation factor, BRF1-like ^	-4.07672706	-0.929	0.227878881	0.525222272	4.42580583
10049	AGI_HUM1_OLIGO_A_23_P215269	GNA12 ^ Guanine nucleotide binding protein (G protein) alpha 12 ^ 2768	-4.074117044	-1.033333333	0.253633689	0.488579984	4.42580583
31565	AGI_HUM1_OLIGO_A_24_P916195	GTSE1 ^ G-2 and S-phase expressed 1 ^ 51512	-4.071251955	-1.545333333	0.379572021	0.342616531	4.42580583
15186	AGI_HUM1_OLIGO_A_23_P363344	TPM1 ^ Tropomyosin 1 (alpha) ^ 7168	-4.065294858	-0.781333333	0.192195981	0.581828821	4.42580583
14637	AGI_HUM1_OLIGO_A_23_P35075	SESN2 ^ Sestrin 2 ^ 83667	-4.061449393	-1.76	0.433342836	0.295248165	4.42580583
25624	AGI_HUM1_OLIGO_A_24_P163537	HNLF ^ Putative NFkB activating protein HNLF ^ 222068	-4.059829203	-0.690333333	0.170039994	0.61971065	4.42580583
38360	AGI_OLIGO_NM_003695_1_631	LY6D ^ Lymphocyte antigen 6 complex, locus D ^ 8581	-4.057931017	-2.217	0.546337528	0.215088158	4.42580583
26385	AGI_HUM1_OLIGO_A_24_P21044	MGC10911 ^ Hypothetical protein MGC10911 ^ 84262	-4.057110481	-1.095	0.26989652	0.468136124	4.42580583
35396	AGI_HUM1_OLIGO_A_32_P65934	OPRS1 ^ Opioid receptor, sigma 1 ^ 10280	-4.053001963	-1.886083333	0.465354656	0.270540534	4.42580583
16825	AGI_HUM1_OLIGO_A_23_P401904	^ ^	-4.037911737	-1.052333333	0.260613258	0.48218767	4.81015426
34691	AGI_HUM1_OLIGO_A_32_P32254	COL6A1 ^ Collagen, type VI, alpha 1 ^ 1291	-4.033948533	-1.746666667	0.432991808	0.297989486	4.81015426
15696	AGI_HUM1_OLIGO_A_23_P375	CDCA8 ^ Cell division cycle associated 8 ^ 55143	-4.027762679	-1.316666667	0.326897777	0.401461441	4.81015426
22825	AGI_HUM1_OLIGO_A_23_P83939	SYAP1 ^ Synapse associated protein 1, SAP47 homolog (Drosophila) ^ 94056	-4.021557964	-1.232666667	0.306514708	0.425530172	4.81015426
25793	AGI_HUM1_OLIGO_A_24_P174563	GRPEL1 ^ GrpE-like 1, mitochondrial (E. coli) ^ 80273	-4.013444942	-1.093666667	0.272500728	0.468568973	4.81015426
13488	AGI_HUM1_OLIGO_A_23_P322701	C14orf24 ^ Chromosome 14 open reading frame 24 ^ 283635	-4.010371008	-0.775	0.193248953	0.584388624	4.81015426
39668	AGI_OLIGO_NM_138338_1_238	^ ^	-4.010017838	-0.568	0.141645255	0.674551267	4.81015426
24504	AGI_HUM1_OLIGO_A_23_P99604	KIAA1333 ^ KIAA1333 ^ 55632	-4.000343878	-1.643	0.410714691	0.320189965	4.81015426
5406	AGI_HUM1_OLIGO_A_23_P149497	FLJ10307 ^ Hypothetical protein FLJ10307 ^ 55113	-3.999876693	-0.678	0.169505225	0.625031151	4.81015426
38628	AGI_OLIGO_NM_005088_1_2509	DXYS155E ^ DNA segment on chromosome X and Y (unique) 155 expressed sequence	-3.994744899	-1.144666667	0.28654312	0.452294179	4.81015426
12460	AGI_HUM1_OLIGO_A_23_P29851	LRPAP1 ^ Low density lipoprotein receptor-related protein associated protein 1 ^ 402	-3.993207039	-1.183666667	0.296420059	0.44023121	4.81015426
1194	AGI_HUM1_OLIGO_A_23_P110686	STC2 ^ Stanniocalcin 2 ^ 8614	-3.992622528	-0.727333333	0.182169321	0.604019347	4.81015426
39226	AGI_OLIGO_NM_016311_3_416	ATPIF1 ^ ATPase inhibitory factor 1 ^ 93974	-3.987973713	-1.184	0.296892629	0.440129507	4.81015426
26359	AGI_HUM1_OLIGO_A_24_P208794	APEH ^ N-acylaminoacyl-peptide hydrolase ^ 327	-3.980020706	-0.734666667	0.184588654	0.600956859	4.81015426
26051	AGI_HUM1_OLIGO_A_24_P190168	MAC30 ^ Hypothetical protein MAC30 ^ 27346	-3.976914582	-0.856666667	0.215409873	0.552227	4.81015426
13321	AGI_HUM1_OLIGO_A_23_P31921	ASS ^ Argininosuccinate synthetase ^ 445	-3.970721185	-1.507333333	0.379611981	0.35176081	4.81015426
10297	AGI_HUM1_OLIGO_A_23_P217339	PRKX ^ Protein kinase, X-linked ^ 5613	-3.968382077	-1.563333333	0.393947282	0.338368381	4.81015426
38794	AGI_OLIGO_NM_006111_1_727	ACAA2 ^ Acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A	-3.967228448	-0.994666667	0.250720794	0.501851813	4.81015426
28833	AGI_HUM1_OLIGO_A_24_P361006	NDUFA9 ^ NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa ^ 4704	-3.962680879	-0.617333333	0.15578679	0.651874735	4.81015426
38868	AGI_OLIGO_NM_006461_1_3603	SPAG5 ^ Sperm associated antigen 5 ^ 10615	-3.960883387	-0.845333333	0.213420404	0.556582196	4.81015426
25244	AGI_HUM1_OLIGO_A_24_P139773	PPP1R8 ^ Protein phosphatase 1, regulatory (inhibitor) subunit 8 ^ 5511	-3.954832705	-1.059533333	0.267908509	0.479787231	4.81015426
14336	AGI_HUM1_OLIGO_A_23_P343808	SOS1 ^ Son of sevenless homolog 1 (Drosophila) ^ 6654	-3.952336757	-0.877144444	0.221930594	0.544443995	4.81015426

Estimated Miss rates for Delta=1.310630712934

Quantiles	Cutpoints	Miss Rate(%)
0 -> 0.05	-3.929 -> -1.958	65.34
0.05 -> 0.1	-1.958 -> -1.425	42.49
0.1 -> 0.15	-1.425 -> -1.133	31.41

Supplementary Table S1. SAM between Lung mets and Parental models microarrays

List of Significant Genes for Delta = 1.311: Positive genes (934) and Negative genes (297)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
	0.15 -> 0.2	-1.133 -> -0.928					
	0.2 -> 0.25	-0.928 -> -0.757	25.46				
	0.25 -> 0.75	-0.757 -> 0.771	16.73				
	0.75 -> 0.8	0.771 -> 0.968	0.95				
	0.8 -> 0.85	0.968 -> 1.211	7.83				
	0.85 -> 0.9	1.211 -> 1.539	19.36				
	0.9 -> 0.95	1.539 -> 2.05	35.36				
	0.95 -> 1	2.05 -> 3.271	54.53				
			73.29				

Current settings

Input parameters

Data type?	Two class unpaired
Arrays centered?	FALSE
Delta	1.31063071
Minimum fold change	0
Test statistic	standard
Are data are log scale?	TRUE
Number of permutations	100
Input percentile for exchangeability factor s0	Automatic choice
Number of neighbors for KNN	10
Seed for Random number generator	1234567

Computed values

Estimate of pi0 (proportion of null genes)	0.78950665
Exchangibility factor s0	0.07928697
s0 percentile	5.00112751
False Discovery Rate (%)	4.81015426