

Differential Expression Analysis for Dr. Heemers.											
These 131 Affymetrix HG-U133Plus2.0 probesets are the result of selecting only probesets that met the following two criteria:											
1) LUC treated with R1881 had statistically higher expression values with at least a 2 fold-change compared to each of the other three groups.											
2) Of the remaining three groups none of the 3 pairwise tests showed significant difference.											
Table results (log2 Fold Change, t, adjusted p-value, etc.) are from the comparison of the LUC Samples R1881 treated (n=3) vs. EtOH treated (n=3).											
Rank Order	Symbol	GenBank ID	LocusLink	Affymetrix HG-U133Plus2.0 Probeset ID	log2 Fold Change from LUC R1881 vs. EtOH	Average Expression from all Experimental Conditions	t Statistic	p-value	adjusted p-value	B: Log odds of Differential Expression	
1	CRIM1	BG546884	51232	202551_s_at	3.013	4.053	38.347	1.90E-11	2.29E-09	17.849	
2	SLC26A3	NM_000111	1811	206143_at	3.314	3.491	35.723	3.62E-11	2.29E-09	17.377	
3	SDK1	AL042166	221935	229912_at	2.915	3.232	33.334	6.81E-11	2.29E-09	16.897	
4	ACTA2	NM_001613	59	200974_at	2.658	6.189	32.879	7.72E-11	2.29E-09	16.799	
5	NA	AW014022	NA	230577_at	4.287	3.918	32.429	8.75E-11	2.29E-09	16.7	
6	ERN1	AW194689	2081	239045_at	1.821	2.998	30.652	1.46E-10	3.19E-09	16.288	
7	CRIM1	AW243081	51232	228496_s_at	2.618	4.060	29.057	2.38E-10	4.45E-09	15.886	
8	ADAM32	NM_145004	203102	1552266_at	2.417	3.989	27.941	3.39E-10	5.55E-09	15.585	
9	FMO5	NM_001461	2330	205776_at	2.671	3.176	27.225	4.29E-10	6.25E-09	15.383	
10	NA	BU632652	NA	1561542_at	2.435	2.557	24.242	1.23E-09	1.61E-08	14.453	
11	GBP3	AW014593	2635	231577_s_at	3.234	4.209	21.540	3.58E-09	4.26E-08	13.469	
12	NA	AI090874	NA	240110_at	2.537	4.463	20.640	5.25E-09	5.73E-08	13.106	
13	NA	BF507344	NA	229370_at	1.546	3.777	20.428	5.77E-09	5.81E-08	13.017	
14	SLITRK6	AI680986	84189	235976_at	2.338	4.290	17.548	2.25E-08	2.11E-07	11.694	
15	CNN2	NM_004368	1265	201605_x_at	1.146	6.696	16.762	3.39E-08	2.96E-07	11.288	
16	NHP2L1	AI288202	4809	230443_at	2.033	3.026	16.575	3.75E-08	3.07E-07	11.188	
17	CITED2	AF109161	10370	209357_at	1.137	9.763	16.132	4.77E-08	3.68E-07	10.946	
18	LAMA1	AI990816	284217	227048_at	2.524	2.765	15.869	5.52E-08	3.82E-07	10.799	
19	DNAH7	AB023161	56171	214222_at	2.195	3.788	15.865	5.54E-08	3.82E-07	10.797	
20	WFS1	NM_006005	7466	202908_at	1.390	7.798	15.421	7.12E-08	4.66E-07	10.543	
21	WWTR1	NM_015472	25937	202134_s_at	2.447	3.210	15.171	8.23E-08	5.13E-07	10.396	
22	AHNAK	NM_024060	79026	220016_at	2.024	4.035	15.077	8.70E-08	5.18E-07	10.341	
23	GBP1	BC002666	2633	202269_x_at	2.485	4.019	14.947	9.39E-08	5.31E-07	10.263	
24	CNTNAP2	AC005378	26047	215145_s_at	1.769	3.238	14.888	9.72E-08	5.31E-07	10.228	
25	CYR61	NM_001554	3491	201289_at	1.585	6.660	14.533	1.20E-07	6.13E-07	10.01	
26	ITGAV	AU144005	3685	232797_at	1.962	4.062	14.516	1.22E-07	6.13E-07	10	
27	F5	AI740541	2153	231029_at	2.401	3.201	14.290	1.40E-07	6.78E-07	9.859	
28	UBE2J1	NM_016021	51465	217826_s_at	1.619	9.414	14.083	1.5885E-07	7.43188E-07	9.727	
29	LMO7	AA100793	4008	242722_at	2.66	3.851	13.519	2.2761E-07	1.01495E-06	9.357	
30	SLITRK6	R70320	84189	232176_at	2.939	3.967	13.468	2.3519E-07	1.01495E-06	9.324	

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31	NA	AI194016	NA	244116_at	1.708	3.251	13.436	2.4018E-07	1.01495E-06	9.302
32	SLC22A5	AI768445	6584	239615_at	1.437	4.457	13.193	2.8193E-07	1.15414E-06	9.137
33	FLJ13137	AA129774	400793	227019_at	2.276	3.955	13.026	3.1505E-07	1.25066E-06	9.022
34	WDFY2	T87542	115825	227490_at	1.568	3.812	12.625	4.1411E-07	1.59552E-06	8.739
35	CNNM2	BC021222	54805	1554522_at	1.858	4.615	12.289	5.2372E-07	1.96022E-06	8.495
36	OTUD7B	NM_020205	56957	220031_at	1.276	3.068	12.197	5.5919E-07	2.03483E-06	8.427
37	NA	AW967747	NA	235360_at	1.798	5.76	12.031	6.2989E-07	2.23016E-06	8.303
38	CCDC4	AA833830	389206	230896_at	2.77	5.274	11.854	7.1639E-07	2.46965E-06	8.169
39	DGKB	AB018261	1607	216307_at	1.24	6.839	11.787	7.5226E-07	2.47391E-06	8.118
40	NA	H19488	NA	238573_at	1.601	6.542	11.782	7.5539E-07	2.47391E-06	8.113
41	GBP1	NM_002053	2633	202270_at	2.074	3.373	11.637	8.4054E-07	2.68564E-06	8.002
42	ARL4A	NM_005738	10124	205020_s_at	1.274	3.894	11.563	8.8821E-07	2.77037E-06	7.944
43	SLC39A3	AA535975	29985	229677_at	1.054	5.021	11.497	9.3356E-07	2.84411E-06	7.892
44	GOLGA2	NM_004486	2801	204384_at	1.334	6.93	11.203	1.1667E-06	3.47365E-06	7.659
45	NNMT	NM_006169	4837	202238_s_at	1.388	3.574	10.991	1.3756E-06	4.0045E-06	7.486
46	LIN7A	T82147	8825	241652_x_at	1.147	4.795	10.884	1.4955E-06	4.25896E-06	7.398
47	TTC12	BC032355	54970	1554531_at	1.368	2.772	10.778	1.6267E-06	4.53387E-06	7.31
48	TM4SF18	AI721164	116441	228489_at	1.034	2.347	10.625	1.8381E-06	5.01644E-06	7.181
49	IL10RB	AI202642	3588	230631_s_at	2.265	3.015	10.581	1.9049E-06	5.09267E-06	7.144
50	NA	H95280	NA	239642_at	2.072	3.302	10.488	2.0548E-06	5.38357E-06	7.064
51	CCDC15	BG413368	80071	241360_at	2.34	5.174	10.31	2.3765E-06	6.10441E-06	6.91
52	CALU	U67280	813	200756_x_at	1.335	8.157	10.175	2.6591E-06	6.58949E-06	6.792
53	NA	AW979182	NA	243724_at	1.299	5.678	10.172	2.666E-06	6.58949E-06	6.789
54	RAB3IP	AI436813	117177	238853_at	1.521	4.101	9.778	3.7265E-06	9.04023E-06	6.435
55	DIDO1	BE222450	11083	238920_at	1.198	2.838	9.618	4.28E-06	1.01943E-05	6.289
56	SDK1	AF131799	221935	229407_at	1.624	2.723	9.435	5.0328E-06	1.17635E-05	6.117
57	RAB3IP	BE671491	117177	231399_at	1.576	4.015	9.413	5.132E-06	1.17635E-05	6.097
58	CTL8	AI984980	6355	214038_at	2.567	3.411	9.396	5.2108E-06	1.17635E-05	6.08
59	DGKZ	AI567554	8525	239342_at	1.02	2.327	9.377	5.2981E-06	1.17635E-05	6.063
60	C6orf125	AI686131	84300	229443_at	1.211	4.448	9.331	5.525E-06	1.20628E-05	6.018
61	ELMO2	NM_022086	63916	220363_s_at	1.783	7.408	9.281	5.7779E-06	1.24084E-05	5.971
62	VPS26B	AA514326	112936	230306_at	1.291	7.55	9.21	6.1621E-06	1.29835E-05	5.903
63	CITED2	NM_006079	10370	207980_s_at	1.161	9.758	9.195	6.244E-06	1.29835E-05	5.889
64	LOC73005	AW014345	730051	236229_at	1.065	6.336	9.143	6.5502E-06	1.34074E-05	5.838
65	ZNF432	AF086256	9668	1556678_a_at	1.3	3.909	9.095	6.8446E-06	1.37945E-05	5.791
66	WFS1	BC030130	7466	1555270_a_at	1.399	6.8	9.009	7.4076E-06	1.47029E-05	5.707
67	ATP7B	NM_000053	540	204624_at	1.707	5.973	8.973	7.6566E-06	1.49105E-05	5.672

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68	NA	AI281932	NA	230762_at	1.238	3.892	8.961	7.7398E-06	1.49105E-05	5.661
69	GRHL1	NM_014552	29841	1552685_a_at	1.557	6.142	8.572	1.118E-05	2.09716E-05	5.27
70	MMP10	NM_002425	4319	205680_at	2.431	3.398	8.57	1.1206E-05	2.09716E-05	5.267
71	MGC1301	BC018086	91368	1554348_s_at	1.135	3.203	8.325	1.423E-05	2.62559E-05	5.013
72	CALU	AF257659	813	214845_s_at	1.47	8.123	8.109	1.7639E-05	3.20923E-05	4.784
73	MAP2K4	AA810268	6416	203265_s_at	1.133	8.539	8.042	1.8864E-05	3.35525E-05	4.713
74	C6orf201	AA121544	404220	242739_at	1.125	3.405	8.038	1.8953E-05	3.35525E-05	4.708
75	ANK1	M28880	286	205391_x_at	1.98	4.163	7.987	1.9948E-05	3.48426E-05	4.653
76	LOC14448	AK054607	144481	1559315_s_at	1.225	3.155	7.853	2.2888E-05	3.94521E-05	4.507
77	CDC25A	AI343459	993	204695_at	1.662	6.256	7.796	2.4268E-05	4.12877E-05	4.444
78	KIAA1622	AB046842	57718	233002_at	1.183	3.125	7.724	2.6159E-05	4.3934E-05	4.364
79	SH3BP4	BF224439	23677	231468_at	1.022	3.053	7.573	3.0656E-05	5.08342E-05	4.195
80	NA	T94585	NA	1560071_a_at	1.077	2.783	7.538	3.1814E-05	5.12977E-05	4.156
81	FGD4	AA296351	121512	242445_at	2.072	3.579	7.535	3.1948E-05	5.12977E-05	4.151
82	DHRS2	NM_005794	10202	206463_s_at	1.829	3.606	7.53	3.211E-05	5.12977E-05	4.146
83	EPS15L1	AK023744	58513	231926_at	1.35	3.308	7.444	3.5206E-05	5.51814E-05	4.047
84	CNTNAP2	AU144598	26047	219301_s_at	1.85	4.179	7.439	3.5383E-05	5.51814E-05	4.042
85	NA	AF052146	651803	214947_at	1.788	2.917	7.375	3.7902E-05	5.8413E-05	3.969
86	CYR61	AF003114	3491	210764_s_at	1.214	5.995	7.198	4.5997E-05	7.00651E-05	3.762
87	NA	BF438330	NA	227010_at	1.064	3.966	7.136	4.923E-05	7.41272E-05	3.69
88	NA	AW972855	NA	222315_at	1.082	2.778	7.02	5.6E-05	8.33634E-05	3.552
89	GNA12	AK024696	2768	221737_at	1.305	6.823	6.959	6.0003E-05	8.83194E-05	3.478
90	LARP2	AI339785	55132	231011_at	1.516	3.529	6.941	6.1228E-05	8.91203E-05	3.457
91	COG3	AI732206	83548	238228_at	1.636	4.701	6.925	6.2349E-05	8.95363E-05	3.437
92	NA	AC004522	NA	217013_at	1.76	3.433	6.917	6.288E-05	8.95363E-05	3.428
93	CLEC11A	NM_002975	6320	205131_x_at	1.154	3.925	6.773	7.4155E-05	0.000104455	3.252
94	ANK1	NM_020479	286	208352_x_at	1.573	5.691	6.624	8.8143E-05	0.000122838	3.068
95	FLJ43663	AL569506	378805	228702_at	2.075	4.218	6.544	9.6717E-05	0.000133368	2.969
96	OR7E47P	AW514038	26628	222304_x_at	1.403	2.849	6.441	0.00010932	0.000149179	2.838
97	RBP2	AA398901	5948	230334_at	1.044	3.032	6.324	0.00012566	0.000169709	2.689
98	LRIG1	AI356774	26018	238339_x_at	1.044	4.349	6.29	0.00013104	0.000175167	2.644
99	LOC15774	AI499833	157740	239877_at	1.582	2.874	6.229	0.00014107	0.000184858	2.566
100	HIST1H4H	NM_003543	8365	208181_at	1.937	4.759	6.229	0.00014111	0.000184858	2.565
101	SSR3	AW150923	6747	222412_s_at	1.459	8.759	6.177	0.00015031	0.00019495	2.498
102	FBXL8	NM_018378	55336	220080_at	1.451	4.027	6.088	0.00016756	0.000214609	2.382
103	CDC25A	NM_001789	993	204696_s_at	1.273	3.801	6.083	0.00016874	0.000214609	2.375
104	SLAIN2	AV723459	57606	233230_s_at	1.133	6.082	6.047	0.00017642	0.000222218	2.327

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105	DSCR1	AL049369	1827	215253_s_at	1.639	5.828	5.976	0.00019272	0.000240445	2.233
106	FAM73A	AI078279	374986	235125_x_at	1.053	8.307	5.926	0.00020508	0.000253449	2.167
107	VWTR1	AA081084	25937	202132_at	1.715	3.679	5.918	0.00020709	0.000253544	2.156
108	RAB3IP	AL119897	117177	238526_at	1.165	4.862	5.891	0.00021431	0.000259952	2.12
109	C18orf8	AU158529	29919	232345_at	1.091	4.233	5.851	0.00022549	0.000271	2.065
110	RASSF1	AI939548	11186	240278_at	1.06	3.235	5.711	0.00026964	0.000321119	1.875
111	ENTPD4	NM_004901	9583	204077_x_at	1.168	4.195	5.492	0.00035806	0.000422578	1.573
112	LOC44090	AA977481	440900	228603_at	1.412	5.055	5.36	0.0004268	0.000499201	1.386
113	FAM111B	AA960844	374393	1557129_a_at	1.03	4.774	5.315	0.00045295	0.000525098	1.322
114	MBNL1	AA093668	4154	235173_at	1.319	3.912	5.236	0.00050399	0.00057915	1.209
115	NA	AI807887	NA	239242_at	1.156	4.303	5.211	0.00052158	0.000594144	1.172
116	ARID5B	AL832681	84159	1563469_at	1.097	3.756	5.148	0.00056774	0.000641153	1.082
117	NA	BF109773	NA	243063_at	1.258	4.516	4.728	0.00102067	0.001142799	0.46
118	EXOC4	AI857698	60412	235974_at	1.048	3.735	4.705	0.00105344	0.001169499	0.426
119	ARID5B	AI289774	84159	241837_at	1.385	3.65	4.637	0.00116222	0.001279423	0.322
120	NA	AK023629	NA	233063_s_at	1.085	5.607	4.584	0.00125361	0.001368522	0.242
121	FLJ43663	AA417078	378805	238619_at	1.461	3.47	4.546	0.00132432	0.001433767	0.184
122	CAMKK2	AF140507	10645	210787_s_at	1.086	6.625	4.507	0.00140136	0.001504737	0.125
123	NA	BC042816	NA	1561595_x_at	1.195	4.098	4.466	0.00148822	0.001585016	0.061
124	RC3H2	BF972355	54542	230133_at	1.445	5.233	4.444	0.00153708	0.001623854	0.027
125	RIT2	NM_002930	6014	206984_s_at	1.154	3.651	4.427	0.00157524	0.001650854	0.001
126	CRIM1	NM_016441	51232	202552_s_at	1.107	3.732	4.31	0.00187405	0.001944312	-0.182
127	SC5DL	AK027246	6309	215064_at	1.49	4.664	4.306	0.00188494	0.001944312	-0.188
128	PTGER4	AI675173	5734	204896_s_at	1.375	2.327	3.997	0.00300111	0.003071447	-0.677
129	LMAN1	U09716	3998	203294_s_at	1.156	8.628	3.759	0.00433287	0.004400049	-1.061
130	C18orf8	AK024370	29919	232348_at	1.262	4.624	3.703	0.00473378	0.004770197	-1.153
131	CTH	NM_001902	1491	206085_s_at	1.045	4.827	3.342	0.00839341	0.008393406	-1.747