

S2 Table. Upregulated genes which belong to MAPK pathway in A549 BC-LI-0186 sensitive cells comparing H460 resistant cells

Gene_Symbol	Transcript_ID	baseMean	log2FoldChange	lfcSE	stat	p value	padj
<i>MEF2C</i>	NM_001308002	1474.387976	14.14599181	1.21787345	11.61532162	3.44E-31	1.96E-29
<i>EGF</i>	NM_001178130	798.0660928	13.26046041	1.036170185	12.79756994	1.69E-37	1.33E-35
<i>FGF14</i>	NM_004115	674.8829784	13.0183206	1.131099017	11.50944383	1.18E-30	6.49E-29
<i>NTRK1</i>	NM_001007792	569.994347	12.77466025	1.207126573	10.58270155	3.58E-26	1.53E-24
<i>RAPGEF2</i>	NM_014247	261.5803669	11.65097781	2.957997512	3.938805818	8.19E-05	0.00051578
<i>CACNB2</i>	NM_201596	250.9270084	11.59085738	1.290977524	8.978357222	2.75E-19	7.39E-18
<i>NFATC4</i>	NM_004554	137.4329415	10.72206259	1.482496156	7.23243871	4.74E-13	7.85E-12
<i>DUSP6</i>	NM_022652	126.6669369	10.60434674	1.345084473	7.883777522	3.18E-15	6.23E-14
<i>FGF13</i>	NM_004114	2019.613368	9.985089958	0.790668558	12.62866704	1.47E-36	1.10E-34
<i>PRKCB</i>	NM_212535	80.05296357	9.942128652	1.462591632	6.797610784	1.06E-11	1.56E-10
<i>IL1A</i>	NM_000575	75.23066142	9.853930578	1.621894058	6.075569811	1.24E-09	1.49E-08
<i>CACNA2D3</i>	NM_018398	2184.304	9.566325322	0.832043327	11.49738843	1.36E-30	7.46E-29
<i>IL1R2</i>	NM_004633	17.74672942	7.769657664	1.660358426	4.679506268	2.88E-06	2.32E-05
<i>BDNF</i>	NM_001143814	46.72688319	7.692722162	1.464415384	5.253101167	1.50E-07	1.44E-06
<i>CACNA2D2</i>	NM_001174051	27.49897613	7.671662609	2.943721955	2.606109791	0.00915771	0.034169886
<i>RASGRP3</i>	NM_001349975	15.50224314	7.572998322	1.851548887	4.090088235	4.31E-05	0.000286142
<i>RPS6KA2</i>	NM_021135	169.0534476	7.550684697	0.898502387	8.40363343	4.33E-17	9.92E-16
<i>NGF</i>	NM_002506	32.92132765	7.174722258	1.58081072	4.538634617	5.66E-06	4.35E-05
<i>DUSP2</i>	NM_004418	448.1467944	7.099640849	0.982487727	7.226187825	4.97E-13	8.21E-12
<i>FGF7</i>	NM_002009	24.23052179	6.737845034	1.408163332	4.784846247	1.71E-06	1.43E-05
<i>PDGFRB</i>	NM_002609	263.3028628	6.63460525	0.914147804	7.257694241	3.94E-13	6.53E-12

<i>CACNA1C</i>	NM_199460	5.941229532	6.189587954	2.350317455	2.633511461	0.008450698	0.031887069
<i>TAOK3</i>	NM_001346489	148.7213217	5.780880771	0.714898185	8.086299409	6.15E-16	1.28E-14
<i>MAPK13</i>	NR_072996	32.46637842	5.621295956	1.099033364	5.114763701	3.14E-07	2.89E-06
<i>RASGRF2</i>	NM_006909	264.0713174	5.315170846	0.504130944	10.54323466	5.46E-26	2.32E-24
<i>CACNA1G</i>	NM_018896	68.50303495	4.73769636	0.59878114	7.91223377	2.53E-15	4.99E-14
<i>GADD45G</i>	NM_006705	155.6271165	4.335328582	0.692736962	6.258260812	3.89E-10	4.91E-09
<i>GNAI2</i>	NM_001282440	203.2036777	3.180248903	0.821374372	3.871862832	0.000108007	0.000663805
<i>FAS</i>	NR_028035	49.01634139	3.146333499	1.109252162	2.836445677	0.004561874	0.018734255
<i>RPS6KA1</i>	NM_001006665	20.51123327	2.963921022	1.186221628	2.49862332	0.012467675	0.044215303
<i>PRKACB</i>	NM_182948	2507.313972	2.401227189	0.776822794	3.091087448	0.001994249	0.0090585
<i>FGF12</i>	NM_021032	319.6026788	2.357991706	0.252088841	9.353812332	8.45E-21	2.55E-19
<i>DDIT3</i>	NM_004083	379.685869	2.253401425	0.74532125	3.023396187	0.002499548	0.011070575
<i>RASGRP1</i>	NM_005739	224.8221401	1.846028759	0.336814847	5.480841398	4.23E-08	4.32E-07
<i>MAPK12</i>	NM_002969	3529.841074	1.775483742	0.264732117	6.706718325	1.99E-11	2.85E-10
<i>DUSP7</i>	NM_001947	3156.59653	1.642846781	0.246430309	6.666577608	2.62E-11	3.70E-10
<i>MAP3K13</i>	NM_004721	1304.279837	1.626278775	0.327594439	4.964305193	6.89E-07	6.06E-06
<i>TGFB3</i>	NM_003239	362.8075111	1.50360296	0.347949455	4.321325808	1.55E-05	0.000111428
<i>HSPA6</i>	NM_002155	537.5398023	1.423407941	0.389743891	3.652162285	0.000260041	0.001483422
<i>NFATC2</i>	NM_001258294	291.4434077	1.384516805	0.457936815	3.023379555	0.002499685	0.011070575
<i>MAP2K7</i>	NM_001297556	718.8121508	1.368882802	0.433977954	3.154268064	0.001609012	0.007523126
<i>IKBKG</i>	NM_001099856	961.1403018	1.312186955	0.492418804	2.664778322	0.007703909	0.029456793
<i>GADD45A</i>	NM_001199741	111.6083273	1.258181258	0.505228526	2.4903211	0.012762773	0.045043391
<i>FLNB</i>	NM_001164319	22453.02584	1.125820212	0.282433447	3.986143373	6.72E-05	0.000430969

MARPK, mitogen-activated protein kinase.