

	Antibody_Name	Gene_Name	HEL Control 1_B	HEL Control 2_B	HEL Control 3_B	HEL 1.0 uM JQ1 1	HEL 1.0 uM JQ1 2	HEL 1.0uM JQ1 3	log2_FC_HEL_JQ1_1.0uM.over.HEL_Control_B	Pval_HEL_JQ1_1.0uM.over.HEL_Control_B	adj.Pval_HEL_JQ1_1.0uM.over.HEL_Control_B
22	ARID1A-R-C	ARID1A	-0.015	0.046	0.07	-2.519	-2.634	-2.62	-2.63	4.997E-07	4.77949E-05
246	S6_pS235_S236-R-V	RPS6	1.478	1.467	1.5	-0.96	-1.149	-1.16	-2.57	2.5511E-06	9.40718E-05
237	Rb_pS807_S811-R-V	RB1	0.119	0.01	0.17	-2.247	-2.375	-2.37	-2.43	2.5001E-06	9.40718E-05
247	S6_pS240_S244-R-V	RPS6	1.27	0.908	0.94	-1.09	-1.126	-1.18	-2.17	5.27257E-05	0.000486065
70	Chk1_pS296-R-V	CHEK1	0.188	-0.2	-0.2	-2.157	-2.268	-2.26	-2.16	8.87233E-05	0.000584089
266	Stat5a-R-V	STAT5A	-0.218	-0.24	0.17	-2.087	-2.201	-2.19	-2.06	0.000113732	0.000633037
10	ACC_pS79-R-V	ACACA	0.301	0.142	0.12	-1.713	-1.755	-1.73	-1.92	4.9754E-06	0.000106287
69	Chk1-M-C	CHEK1	0.035	0.023	0.12	-1.825	-1.849	-1.83	-1.89	4.913E-07	4.77949E-05
239	Rictor-R-C	RICTOR	-0.186	-0.06	0.64	-1.759	-1.778	-1.69	-1.87	0.001957364	0.005661005
6	4E-BP1_pT37_T46-R-V	EIF4EBP1	0.508	0.474	0.56	-1.242	-1.356	-1.39	-1.84	3.7235E-06	9.90684E-05
101	eIF4G-R-C	EIF4G1	0.186	0.133	0.17	-1.572	-1.67	-1.6	-1.78	7.404E-07	4.77949E-05
117	Gab2-R-V	GAB2	0.21	0.159	-0	-1.54	-1.516	-1.42	-1.61	3.28852E-05	0.000373121
204	Pdcd4-R-C	PDCD4	0.067	0.127	0.12	-1.298	-1.448	-1.46	-1.51	1.03904E-05	0.000180304
172	mTOR-R-V	MTOR	0.11	-0.11	0.1	-1.388	-1.5	-1.46	-1.49	4.71154E-05	0.000448356
198	PAR-R-C	PAR	-0.18	-0.29	0.05	-1.656	-1.724	-1.52	-1.49	0.000210308	0.001017063
160	MDM2_pS166-R-V	MDM2	0.297	-0.24	-0.3	-1.578	-1.563	-1.53	-1.47	0.001554174	0.00482612
9	ACC1-R-C	ACACA	0.179	0.32	0.3	-1.082	-1.178	-1.17	-1.41	1.19618E-05	0.000196041
175	Myosin-Ila_pS1943-R-V	MYO2A	0.181	-0.15	-0.2	-1.535	-1.539	-1.3	-1.41	0.000503124	0.002032213
173	mTOR_pS2448-R-C	MTOR	0.556	-0.2	0.06	-1.237	-1.267	-1.2	-1.37	0.003553131	0.008827837

243	RPA32_pS4_S8-R-C	RPA32	0.227	-0.06	0.2	-1.18	-1.228	-1.12	-1.3	0.00017627	0.000881348
17	AMPKa_pT172-R-C	PRKAA1	0.095	-0.04	0.13	-1.188	-1.212	-1.31	-1.3	3.20511E-05	0.000373121
264	Stat3-R-C	STAT3	0.261	0.185	0.22	-1.055	-1.048	-1.09	-1.29	0.00000086	4.77949E-05
7	53BP1-R-V	TP53BP1	0.334	0.23	0.09	-1.061	-1.104	-1.01	-1.28	7.58499E-05	0.000571676
112	FoxM1-R-V	FOXM1	0.044	0.137	0.12	-1.157	-1.168	-1.09	-1.24	5.4044E-06	0.000106287
127	Gys_pS641-R-V	GYS1	0.335	0.102	-0	-1.524	-0.925	-0.86	-1.24	0.006260219	0.012563024
96	eEF2K-R-V	EEF2K	0.322	0.073	-0.1	-1.02	-1.097	-1.09	-1.18	0.000509775	0.002032213
225	PRAS40_pT246-R-V	AKT1S1	0.244	0.37	0.3	-0.847	-0.832	-0.88	-1.16	7.4678E-06	0.000137688
220	PLK1-R-C	PLK1	0.285	0.354	0.26	-0.836	-0.829	-0.88	-1.15	0.000003144	9.90684E-05
265	Stat3_pY705-R-V	STAT3	0.247	0.324	0.21	-0.812	-0.904	-0.92	-1.14	1.79893E-05	0.000279308
106	ERCC5-R-C	ERCC5	0.099	0.011	-0.1	-1.083	-1.164	-1.12	-1.13	0.000039381	0.000410727
125	GSK-3a-b_pS21_S9-R-V	GSK3A,GSK	0.319	0.087	0.12	-0.931	-0.961	-0.91	-1.11	0.000112739	0.000633037
35	B-Raf_pS445-R-V	BRAF	0.16	0.15	0.05	-1.031	-1.016	-0.92	-1.11	2.26647E-05	0.000313598
169	Mnk1-R-V	MKNK1	-0.001	-0.16	-0.2	-1.21	-1.286	-1.17	-1.1	0.000110047	0.000633037
221	PMS2-R-V	PMS2	0.283	0.116	-0.1	-0.981	-1.009	-0.94	-1.09	0.000476309	0.001968357
51	c-Kit-R-V	KIT	0.397	0.12	-0	-0.818	-0.976	-0.96	-1.08	0.00139089	0.004610253
134	HES1-R-V	HES1	0.376	0.301	0.15	-0.837	-0.775	-0.79	-1.08	0.000094877	0.000595505
190	p38-MAPK-R-V	MAPK14	-0.061	-0.08	0.12	-1.097	-1.082	-1.06	-1.07	7.75154E-05	0.000571676
92	Dvl3-R-V	DVL3	0.223	0.157	0.02	-0.918	-0.876	-0.85	-1.02	8.32542E-05	0.000584089
151	Jak2-R-V	JAK2	-0.102	-0.11	-0	-1.112	-1.128	-1.05	-1.01	5.0727E-06	0.000106287
194	p70-S6K1-R-V	RPS6KB1	0.279	0.049	-0.2	-0.897	-1.042	-0.88	-0.99	0.002280728	0.006469372
54	c-Myc-R-C	MYC	0.177	0.226	0.2	-0.744	-0.803	-0.72	-0.96	4.0299E-06	9.90684E-05
277	Tuberin-R-V	TSC2	0.165	0.188	0.02	-0.783	-0.816	-0.84	-0.94	6.76435E-05	0.000566678
180	NDRG1_pT346-R-V	NDRG1	0.177	0.292	0.11	-0.759	-0.74	-0.71	-0.93	7.05872E-05	0.000566678
263	Src_pY527-R-V	SRC	0.097	0.199	0.03	-0.819	-0.823	-0.74	-0.9	8.60945E-05	0.000584089
227	PTEN-R-V	PTEN	0.323	0.089	-0.1	-0.747	-0.845	-0.74	-0.89	0.001699754	0.005116608
40	BAP1-M-V	BAP1	0.11	0.124	-0.1	-0.828	-0.881	-0.84	-0.88	0.000599022	0.002356154
191	p38_pT180_Y182-R-V	MAPK14	-0.027	-0.06	-0.2	-0.946	-0.993	-0.92	-0.86	0.000106921	0.000633037
145	IGFRb-R-C	IGF1R	0.062	-0.09	-0.2	-0.884	-0.985	-0.89	-0.85	0.000361454	0.001591476
171	MSH6-R-C	MSH6	0.135	0.088	0.05	-0.713	-0.802	-0.73	-0.84	0.000023387	0.000313598
268	Syk-M-V	SYK	-0.161	-0.16	-0.1	-0.862	-0.969	-1.02	-0.8	7.29958E-05	0.000566678
234	Raptor-R-V	RPTOR	-0.162	-0.09	0.45	-0.722	-0.735	-0.7	-0.79	0.015261724	0.026483579
295	YB1_pS102-R-V	YBX1	0.569	0.489	0.37	-0.32	-0.303	-0.32	-0.79	0.000163227	0.000844771
108	FAK-R-C	PTK2	0.393	0.163	-0	-0.669	-0.618	-0.55	-0.79	0.003702034	0.008827837

38	Bad_pS112-R-V	BAD	0.232	0.133	-0.1	-0.703	-0.694	-0.64	-0.78	0.001057239	0.003669243
4	4E-BP1-R-V	EIF4EBP1	-0.052	0.027	-0	-0.727	-0.856	-0.83	-0.78	7.25324E-05	0.000566678
5	4E-BP1_pS65-R-V	EIF4EBP1	0.412	0.36	0.12	-0.403	-0.436	-0.48	-0.74	0.00132062	0.004427078
288	XIAP-R-C	XIAP	0.239	0.23	0	-0.588	-0.61	-0.56	-0.74	0.000691606	0.00264966
126	Gys-R-V	GYS1	-0.043	0.019	-0.1	-0.759	-0.802	-0.82	-0.74	8.90983E-05	0.000584089
152	JNK2-R-C	MAPK9	0.219	-0.11	-0.1	-0.768	-0.74	-0.68	-0.72	0.003391753	0.008625579
262	Src_pY416-R-V	SRC	-0.485	-0.09	0.02	-0.862	-0.946	-0.89	-0.72	0.010149763	0.018713626
244	RSK-R-C	RPS6KA1	0.319	-0.07	0	-0.689	-0.642	-0.55	-0.71	0.00490421	0.010960166
189	p27_pT198-R-V	CDKN1B	0.262	0.278	0.16	-0.424	-0.471	-0.43	-0.68	5.97793E-05	0.000534391
161	MEK1-R-V	MAP2K1	0.149	-0.07	-0.2	-0.709	-0.781	-0.67	-0.67	0.003729937	0.008827837
207	PDK1_pS241-R-V	PDK1	0.05	0.081	-0.1	-0.635	-0.711	-0.64	-0.66	0.000890933	0.003166569
216	PKC-b-II_pS660-R-V	PRKCB	-0.078	-0.16	0.18	-0.634	-0.694	-0.66	-0.65	0.003517437	0.008827837
289	XPA-M-V	XPA	0.2	0.102	-0.1	-0.57	-0.509	-0.57	-0.63	0.001438545	0.004663414
115	FRA-1-R-C	FOSL1	0.192	-0.24	-0.4	-0.76	-0.747	-0.75	-0.62	0.021355861	0.034615269
283	VEGFR-2-R-V	KDR	0.169	0.103	0.12	-0.393	-0.474	-0.49	-0.58	8.66066E-05	0.000584089
83	Cyclin-B1-R-V	CCNB1	0.058	0.151	0.21	-0.379	-0.413	-0.42	-0.54	0.000273794	0.001242601
196	p90RSK_pT573-R-C	RPS6K	0.363	0.453	0.26	-0.198	-0.144	-0.15	-0.52	0.000820588	0.002988562
114	FoxO3a_pS318_S321-R-C	FOXO3	0.204	0.033	-0.1	-0.504	-0.455	-0.42	-0.51	0.003672454	0.008827837
183	Notch1-R-V	NOTCH1	0.119	0.151	-0.1	-0.463	-0.457	-0.4	-0.51	0.001520718	0.004772467
32	b-Catenin-R-V	CTNNB1	-0.088	-0.03	0.16	-0.449	-0.42	-0.61	-0.51	0.005882707	0.012135655
71	Chk1_pS345-R-C	CHEK1	0.236	0.015	-0.1	-0.463	-0.486	-0.4	-0.51	0.005282953	0.01154423
72	Chk2-M-V	CHEK2	0.225	0.088	-0	-0.376	-0.416	-0.4	-0.49	0.003102524	0.008274166
25	ATM-R-V	ATM	-0.193	-0.11	-0.3	-0.705	-0.651	-0.71	-0.48	0.001287689	0.004366302
8	A-Raf-R-V	ARAF	0.179	0.204	0.09	-0.368	-0.294	-0.3	-0.48	0.000358031	0.001591476
13	Akt-R-V	AKT1	-0.134	0.036	0.12	-0.432	-0.497	-0.45	-0.47	0.003758243	0.008827837
280	UBAC1-R-V	UBAC1	0.41	0.007	-0	-0.314	-0.327	-0.33	-0.45	0.032002503	0.049427949
226	PREX1-R-V	PREX1	-0.196	-0.13	-0.2	-0.613	-0.635	-0.63	-0.45	3.17195E-05	0.000373121
56	C-Raf_pS338-R-V	RAF1	0.114	0.174	0.13	-0.276	-0.265	-0.32	-0.43	6.93296E-05	0.000566678
16	AMPKa-R-C	PRKAA1	0.078	-0.06	-0.1	-0.414	-0.482	-0.49	-0.43	0.002636382	0.00726853
136	HIAP-R-C	BIRC2	0.009	-0.04	-0.1	-0.457	-0.477	-0.39	-0.41	0.000245172	0.001148027
120	GCN5L2-R-V	KAT2A	0.203	0.006	-0.1	-0.384	-0.393	-0.39	-0.41	0.01414281	0.024982808
28	ATR_pS428-R-C	ATR	0.15	0.115	-0	-0.396	-0.336	-0.28	-0.41	0.004278988	0.009861731
68	CDK1-R-C	CDK1	0.002	-0.01	0.12	-0.399	-0.377	-0.34	-0.41	0.000819544	0.002988562
252	SHP-2_pY542-R-C	PTPN11	0.128	0.265	0.32	-0.179	-0.145	-0.11	-0.38	0.00311333	0.008274166

240	Rictor_pT1135-R-V	RICTOR	-0.052	0.087	0.15	-0.284	-0.347	-0.3	-0.37	0.003960454	0.009199479
78	Connexin-43-R-C	CNST43	0.343	0.537	0.44	0.0632	0.0528	0.094	-0.37	0.002921903	0.007922032
235	Rb-M-Q	RB1	0.257	0.137	-0	-0.215	-0.239	-0.24	-0.36	0.009430551	0.017948468
55	C-Raf-R-C	RAF1	0.14	0.093	0.12	-0.243	-0.199	-0.27	-0.35	0.000129189	0.000692921
205	PDGFR-b-R-V	PDGFR	0.052	0.255	0.26	-0.206	-0.145	-0.14	-0.35	0.007958889	0.01558963
61	CD171-M-V	L1CAM	-0.195	0.077	0.04	0.3108	0.2947	0.31	0.33	0.017185183	0.02880471
144	IGFBP5-G-C	IGFBP5	-0.222	0.026	0.12	0.2675	0.2958	0.365	0.33	0.034899836	0.053069338
197	PAI-1-M-V	SERPINE1	-0.115	0.024	-0.1	0.3194	0.2368	0.242	0.34	0.003677677	0.008827837
104	ER-R-V	ESR1	-0.282	-0.04	0.12	0.2536	0.2777	0.28	0.34	0.045466896	0.067400675
43	Bcl2-M-V	BCL2	-0.212	-0.07	0.08	0.3091	0.2592	0.246	0.34	0.016601411	0.02814607
165	MIF-R-C	MIF	-0.025	0.003	0.09	0.3739	0.3729	0.338	0.34	0.000761741	0.002844477
176	Myt1-R-C	MYT1	-0.232	-0.08	0.05	0.2266	0.2643	0.316	0.35	0.014962549	0.026273524
181	NDUFB4-M-V	NDUFB4	-0.221	-0.02	0.06	0.295	0.281	0.308	0.36	0.012211816	0.021966376
24	Atg7-R-V	ATG7	-0.033	0.003	-0	0.3342	0.3343	0.377	0.36	3.41621E-05	0.000373253
109	FAK_pY397-R-V	PTK2	-0.321	-0.07	0.05	0.271	0.2975	0.235	0.38	0.024535582	0.03891396
65	CD44-M-C	CD44	-0.202	-0.03	0.05	0.2616	0.346	0.343	0.38	0.009371683	0.017948468
209	PEA-15_pS116-R-V	PEA15	-0.199	-0.06	0.04	0.32	0.2968	0.321	0.38	0.005553443	0.011728598
11	ACVRL1-R-C	ACVRL1	-0.263	-0	0.06	0.3194	0.3093	0.345	0.39	0.016407109	0.02797744
192	p44-42-MAPK-R-V	MAPK3	0.052	-0.02	-0.1	0.3837	0.3629	0.334	0.39	0.001739234	0.005154727
203	Pdcd-1L1-G-C	PDCD1	-0.229	-0.12	-0.1	0.1093	0.1788	0.442	0.4	0.020447339	0.033510916
2	14-3-3-epsilon-M-C	YWHAE	-0.043	-0.06	0	0.397	0.3745	0.4	0.42	2.76339E-05	0.000354435
224	PRAS40-M-C	AKT1S1	-0.092	-0.05	-0	0.4171	0.376	0.357	0.43	0.000101185	0.000621868
118	GAPDH-M-C	GAPDH	-0.218	0.041	0.21	0.5212	0.3813	0.417	0.43	0.029888243	0.046405429
119	GATA3-M-V	GATA3	0.055	-0.12	0.08	0.3824	0.4433	0.458	0.43	0.003273126	0.008469931
97	EGFR-R-V	EGFR	-0.109	-0.06	-0	0.3233	0.3888	0.41	0.44	0.000208379	0.001017063
154	LC3A-B-R-C	LC3AB	0.051	0.016	0.09	0.4748	0.5067	0.506	0.44	4.50867E-05	0.000443353
19	Annexin-VII-M-V	ANXA7	-0.081	0.018	-0.1	0.4748	0.3435	0.341	0.44	0.00142342	0.004663414
88	DJ1-R-V	PARK7	0.007	-0.1	-0.3	0.4644	0.2069	0.247	0.45	0.026524442	0.0416208
121	Glutamate-D1-2-R-C	GLUD	-0.073	-0.08	0.07	0.4077	0.4139	0.459	0.45	0.000904461	0.00317638
90	DM-K9-Histone-H3-R-C	H3K9ME2	-0.152	-0.11	0.1	0.4423	0.4422	0.432	0.49	0.002927124	0.007922032
129	HER2-M-V	ERBB2	-0.197	-0	0.12	0.4487	0.5202	0.461	0.5	0.005859189	0.012135655
113	FoxO3a-R-C	FOX3	-0.349	0.019	0.25	0.4653	0.4941	0.514	0.52	0.042621791	0.063824509
167	Mitochondria-M-V	MTCO2	-0.076	-0.14	-0.1	0.509	0.3982	0.304	0.52	0.001139785	0.003909727
3	14-3-3-zeta-R-V	YWHAZ	0.091	-0.03	-0.2	0.5312	0.5166	0.408	0.55	0.006170917	0.012468633

86	Cyclophilin-F-M-V	PPIF	-0.22	-0.26	-0.5	0.5964	0.0604	0.07	0.57	0.044620057	0.066479378
116	G6PD-M-V	G6PD	-0.129	-0.2	-0.1	0.4748	0.4576	0.454	0.59	0.00014114	0.000743503
222	Porin-M-V	VDAC1	-0.047	0.05	-0	0.6727	0.5872	0.597	0.62	9.23572E-05	0.000592291
77	Complex-II-Subunit-M-V	SDHB	-0.046	-0.24	-0.4	0.5483	0.4774	0.303	0.67	0.006020198	0.012247988
267	Stathmin-1-R-V	STMN1	-0.147	-0.05	-0.2	0.7857	0.4255	0.44	0.68	0.005566114	0.011728598
259	SOD2-R-V	SOD2	-0.132	0.011	-0	0.7301	0.6306	0.558	0.69	0.000444712	0.001901304
103	EMA-M-C	EMA	-0.21	-0.06	-0.6	0.5947	0.535	0.154	0.72	0.028326146	0.044212768
31	b-Actin-R-C	ACTB	-0.065	-0.2	-0	0.6573	0.6722	0.638	0.75	0.000216986	0.001032432
218	PKM2-R-C	PKM2	-0.063	-0.19	-0.3	0.589	0.5872	0.521	0.76	0.000749667	0.002835279
249	SDHA-R-V	SDHA	-0.255	-0.24	-0.3	0.5855	0.551	0.631	0.84	3.7971E-06	9.90684E-05
271	TFAM-R-V	TFAM	-0.247	-0.19	-0.4	0.702	0.6408	0.633	0.93	0.000112017	0.000633037
128	H2AX_pS140-M-C	H2AFX	-0.492	-0.69	-0.7	0.8299	0.7184	0.828	1.41	4.03766E-05	0.000410727
57	Caspase-3-R-C	CASP3	-0.321	-0.22	-0.3	1.32	1.3528	1.348	1.63	9.721E-07	4.77949E-05
58	Caspase-7-cleaved-R-C	CASP7	-0.461	-0.52	-0.5	1.714	1.6829	1.687	2.18	7.26E-08	0.000021417

