

Supplemental Table 2. Proteins expressed differentially in both primary HNSCC and PDXs

Rank	Antibody	meanDiff	pvalue	qvalue
1	TRANSGLUTAMINASE	0.587	3.86E-19	7.34E-17
2	HSP70	1.68	1.27E-18	1.21E-16
3	BRCA2	0.48	2.16E-17	1.37E-15
4	PR	-0.318	5.02E-15	2.31E-13
5	BAK	0.64	6.07E-15	2.31E-13
6	FOXO3A(pS318, S321)	0.196	4.84E-14	1.53E-12
7	CKIT	0.624	1.12E-13	3.05E-12
8	GSK3PS9	-0.936	2.68E-13	6.37E-12
9	ETS1	0.504	6.77E-13	1.43E-11
10	YB1	-0.646	1.84E-12	3.45E-11
11	MRE11	0.202	2.00E-12	3.45E-11
12	TAZ	0.33	4.87E-12	7.71E-11
13	ERALPHA	0.681	2.33E-11	3.40E-10
14	ERALPHA(pS118)	0.352	1.33E-10	1.80E-09
15	YAP	0.603	5.29E-10	6.70E-09
16	CASPASE7(CLEAVEDD198)	1.43	5.85E-10	6.95E-09
17	CMET(pY1235)	0.149	5.86E-09	6.32E-08
18	ACC1	-0.723	5.99E-09	6.32E-08
19	P27	0.276	1.27E-08	1.24E-07
20	CHK1	0.197	1.31E-08	1.24E-07
21	ARHI	0.331	1.78E-08	1.61E-07
22	ACC(pS790)	-1.12	2.76E-08	2.39E-07
23	P70S6K(pT389)	-0.441	3.65E-08	3.02E-07
24	CHK1(pS345)	-0.224	4.39E-08	3.48E-07
25	S6(pS240, S244)	-0.803	1.65E-07	1.25E-06
26	AKT	-0.621	1.71E-07	1.25E-06
27	JNK(pT183,Y185)	0.416	2.84E-07	2.00E-06
28	PREX1	0.681	4.06E-07	2.75E-06
29	CRAF	0.168	6.53E-07	4.28E-06
30	BCL2	1.09	6.90E-07	4.37E-06
31	CMYC	-0.574	8.59E-07	5.27E-06
32	SRC(pY527)	-0.646	1.00E-06	5.95E-06
33	MTOR(pS2448)	-0.293	1.28E-06	7.36E-06
34	MTOR	-0.4	1.38E-06	7.72E-06
35	NRAS	0.181	1.67E-06	9.08E-06
36	PAXILLIN	-0.91	2.03E-06	1.07E-05
37	PKCPANBETAIIPS660	-0.813	2.37E-06	1.19E-05
38	SMAD3	0.332	2.38E-06	1.19E-05
39	NCADHERIN	0.271	3.53E-06	1.72E-05
40	ERK2	-0.356	3.95E-06	1.80E-05
41	BCLXL	-0.326	3.99E-06	1.80E-05
42	FASN	-0.647	4.04E-06	1.80E-05
43	PI3KP110ALPHA	-0.361	4.08E-06	1.80E-05
44	GAB2	-0.762	6.81E-06	2.94E-05

45	EEF2K	-1.01	7.42E-06	3.13E-05
46	DJ1	0.235	1.13E-05	4.68E-05
47	STATHMIN	0.216	1.16E-05	4.68E-05
48	CDK1	0.302	1.19E-05	4.70E-05
49	BAX	0.351	1.26E-05	4.90E-05
50	GSK3ALPHABETAPS21S9	-0.371	1.43E-05	5.32E-05
51	TSC1	-0.227	1.43E-05	5.32E-05
52	S6	-0.488	1.49E-05	5.44E-05
53	EGFR	-1.03	1.53E-05	5.48E-05
54	BECLIN	-0.213	1.82E-05	6.42E-05
55	CD20	0.222	2.41E-05	8.32E-05
56	COLLAGENVI	0.186	2.45E-05	8.32E-05
57	P70S6K	-0.299	2.62E-05	8.73E-05
58	BRAF	-0.628	2.67E-05	8.73E-05
59	EIF4G	-0.39	3.06E-05	9.85E-05
60	RBM15	-0.622	3.46E-05	0.000108
61	P62LCKLIGAND	0.676	3.47E-05	0.000108
62	1433EPSILON	0.149	4.98E-05	0.000153
63	RAD51	0.253	6.88E-05	0.000207
64	CAVEOLIN1	1.38	7.92E-05	0.000235

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