

Supplemental Material 2 - Hypergeometric distribution of cores intersections.

Pathway	Gene Set	Gene Set Size	Gene Set Core RAF1 Patient	Gene Set Core NRAS Patient	Observed Core Intersection	Expected Core Intersection	Observed / Expected Ratio	Hypergeometric P value
<i>EGFR/RAS/MEX</i>	<i>EGFR_UP.V1_UP</i>	192	50	51	25	13,3	1,88	5,4E-06
<i>EGFR/RAS/MEX</i>	<i>KRAS.300_UP.V1_UP</i>	142	14	16	9	1,6	5,71	1,0E-08
<i>EGFR/RAS/MEX</i>	<i>RAF_UP.V1_UP</i>	193	43	39	20	8,7	2,30	8,9E-07
<i>EGFR/RAS/MEX</i>	<i>KRAS.DF.V1_UP</i>	191	59	54	34	16,7	2,04	6,3E-10
<i>Cell cycle</i>	<i>ATF2_S_UP.V1_UP</i>	192	27	29	13	4,1	3,19	7,9E-07
<i>Cell cycle</i>	<i>ATF2_UP.V1_UP</i>	190	27	25	16	3,6	4,50	7,8E-12
<i>Cell cycle</i>	<i>CYCLIN_D1_UP.V1_UP</i>	187	35	59	27	11,0	2,45	5,3E-11
<i>PI-3 kinase pathway</i>	<i>AKT_UP.V1_UP</i>	169	53	48	34	15,1	2,26	8,9E-13
<i>WNT pathway</i>	<i>LEF1_UP.V1_UP</i>	194	43	23	13	5,1	2,55	1,9E-05
<i>WNT pathway</i>	<i>BCAT.100_UP.V1_UP</i>	49	12	10	8	2,4	3,27	1,0E-06
<i>YAP/TAZ pathway</i>	<i>CORDENONSI_YAP_CONSERVED</i>	57	27	16	12	7,6	1,58	1,6E-03
<i>PTPN11/SOS1/SHOC2 NS</i>	<i>NS_UP</i>	48	16	24	15	8,0	1,88	3,3E-07
<i>PTPN11 NS</i>	<i>PTPN11_UP</i>	97	32	26	26	8,6	3,03	0