

Supplementary Table S4. Reactome pathways of Differentially Expressed Genes among Regorafenib treated and controls in Responders GB-EXPs samples.

Pathway name	Entities found	Entities Total	Entities ratio	Entities pValue	Entities FDR	Reactions found	Reactions total	Reactions ratio	Responders (treated vs ctrl)
ERKs are inactivated	<u>1</u>	15	0.001	1.00E-05	1.45E-04	1	2	0	▲▲
ERK/MAPK targets	<u>1</u>	26	0.002	1.00E-05	1.45E-04	1	7	0	▲▲
RAF-independent MAPK1/3 activation	<u>1</u>	28	0.002	1.00E-05	1.45E-04	1	12	0.001	▲▲
MAPK targets/ Nuclear events mediated by MAP kinases	<u>1</u>	35	0.002	1.00E-05	1.45E-04	1	16	0.001	▲▲
Negative regulation of MAPK pathway	<u>1</u>	49	0.003	1.00E-05	1.45E-04	1	17	0.001	▲▲
MAP kinase activation	<u>1</u>	69	0.005	1.00E-05	1.45E-04	1	32	0.002	▲▲
Interleukin-17 signaling	<u>1</u>	78	0.005	1.00E-05	1.45E-04	1	35	0.002	▲▲
RAF/MAP kinase cascade	<u>2</u>	322	0.021	1.00E-05	1.45E-04	2	75	0.005	▲▲
MAPK1/MAPK3 signaling	<u>2</u>	329	0.022	1.00E-05	1.45E-04	2	82	0.006	▲▲
Oncogenic MAPK signaling	<u>1</u>	93	0.006	1.00E-05	1.45E-04	1	46	0.003	▲▲
TRAF6 mediated induction of NFkB and MAP kinases upon TLR7/8 or 9 activation	<u>1</u>	116	0.008	1.00E-05	1.45E-04	1	60	0.004	▲▲
MAPK family signaling cascades	<u>2</u>	380	0.025	1.00E-05	1.45E-04	2	122	0.009	▲▲
MyD88 cascade initiated on plasma membrane	<u>1</u>	109	0.007	1.00E-05	1.45E-04	1	70	0.005	▲▲
TRIF(TICAM1)-mediated TLR4 signaling	<u>1</u>	121	0.008	1.00E-05	1.45E-04	1	70	0.005	▲▲
Toll Like Receptor 10 (TLR10) Cascade	<u>1</u>	109	0.007	1.00E-05	1.45E-04	1	71	0.005	▲▲
Toll Like Receptor 5 (TLR5) Cascade	<u>1</u>	109	0.007	1.00E-05	1.45E-04	1	71	0.005	▲▲
MyD88-independent TLR4 cascade	<u>1</u>	121	0.008	1.00E-05	1.45E-04	1	72	0.005	▲▲
Toll Like Receptor 3 (TLR3) Cascade	<u>1</u>	116	0.008	1.00E-05	1.45E-04	1	73	0.005	▲▲
MyD88 dependent cascade initiated on endosome	<u>1</u>	117	0.008	1.00E-05	1.45E-04	1	75	0.005	▲▲
Toll Like Receptor 7/8 (TLR7/8) Cascade	<u>1</u>	118	0.008	1.00E-05	1.45E-04	1	79	0.006	▲▲
Toll Like Receptor 9 (TLR9) Cascade	<u>1</u>	121	0.008	1.00E-05	1.45E-04	1	80	0.006	▲▲
Diseases of signal transduction by growth factor receptors and second messengers	<u>3</u>	498	0.033	1.80E-02	2.50E-01	25	478	0.033	▲
Signaling by Receptor Tyrosine Kinases	<u>9</u>	623	0.041	2.30E-02	3.07E-01	100	746	0.052	▲▲
Nuclear Events (kinase and transcription factor activation)	<u>5</u>	80	0.005	4.10E-02	4.86E-01	14	48	0.003	▲▲
Signaling by NTRK1 (TRKA)	<u>5</u>	143	0.009	4.10E-02	4.86E-01	14	102	0.007	▲▲
Signaling by NTRKs	<u>5</u>	166	0.011	4.10E-02	4.86E-01	14	164	0.011	▲▲