

Pathway	Observed # of genes	Expected # of genes	Ratio of enrichment	FDR-adjusted p-value
Integrin family cell surface interactions	10	2.59	3.86	0.0022
Signaling events mediated by focal adhesion kinase	9	2.42	3.72	0.0022
Internalization of ErbB1	9	2.42	3.72	0.0022
VEGF and VEGFR signaling network	9	2.45	3.67	0.0022
Nectin adhesion pathway	9	2.43	3.70	0.0022
Endothelins	9	2.45	3.67	0.0022
TRAIL signaling pathway	9	2.49	3.61	0.0022
S1P1 pathway	9	2.42	3.72	0.0022
Urokinase-type plasminogen activator (uPA) and uPAR-mediated s	9	2.42	3.72	0.0022
Sphingosine 1-phosphate (S1P) pathway	9	2.46	3.66	0.0022
EGF receptor (ErbB1) signaling pathway	9	2.42	3.72	0.0022
IL5-mediated signaling events	9	2.43	3.71	0.0022
PDGF receptor signaling network	9	2.43	3.71	0.0022
Insulin Pathway	9	2.42	3.72	0.0022
IL3-mediated signaling events	9	2.43	3.70	0.0022
IGF1 pathway	9	2.42	3.71	0.0022
ErbB receptor signaling network	9	2.46	3.65	0.0022
Syndecan-1-mediated signaling events	9	2.44	3.69	0.0022
Arf6 signaling events	9	2.42	3.72	0.0022
Signaling events mediated by Hepatocyte Growth Factor Receptor	9	2.43	3.71	0.0022
LKB1 signaling events	9	2.46	3.66	0.0022
ErbB1 downstream signaling	9	2.42	3.72	0.0022
PDGFR-beta signaling pathway	9	2.42	3.72	0.0022
Alpha9 beta1 integrin signaling events	9	2.45	3.67	0.0022
Plasma membrane estrogen receptor signaling	9	2.44	3.68	0.0022
Arf6 downstream pathway	9	2.42	3.72	0.0022
Signaling events mediated by VEGFR1 and VEGFR2	9	2.43	3.70	0.0022
Arf6 trafficking events	9	2.42	3.72	0.0022
Glypican pathway	9	2.51	3.58	0.0022
EGFR-dependent Endothelin signaling events	9	2.42	3.72	0.0022
Thrombin/protease-activated receptor (PAR) pathway	10	2.44	4.10	0.0022
mTOR signaling pathway	9	2.42	3.72	0.0022
Glypican 1 network	9	2.44	3.69	0.0022
Class I PI3K signaling events	9	2.42	3.72	0.0022
IFN-gamma pathway	9	2.43	3.70	0.0022
Beta1 integrin cell surface interactions	10	2.54	3.94	0.0022
GMCSF-mediated signaling events	9	2.43	3.71	0.0022
Proteoglycan syndecan-mediated signaling events	9	2.53	3.56	0.0022
Class I PI3K signaling events mediated by Akt	9	2.42	3.72	0.0022
PAR1-mediated thrombin signaling events	10	2.44	4.10	0.0022
p63 transcription factor network	3	0.20	15.21	0.0024
Presenilin action in Notch and Wnt signaling	2	0.09	23.15	0.0081
Validated transcriptional targets of TAp63 isoforms	2	0.10	19.72	0.0109
ATF-2 transcription factor network	2	0.11	18.05	0.0127
RhoA signaling pathway	3	0.39	7.79	0.0138
RAC1 signaling pathway	3	0.39	7.79	0.0138
Regulation of RAC1 activity	3	0.39	7.79	0.0138
Unfolded Protein Response	2	0.12	16.90	0.0138
Validated transcriptional targets of deltaNp63 isoforms	2	0.12	16.64	0.0138
Regulation of RhoA activity	3	0.39	7.79	0.0138
p73 transcription factor network	2	0.15	13.65	0.0186
IL1-mediated signaling events	3	0.44	6.83	0.0189
Glucocorticoid receptor regulatory network	2	0.15	13.31	0.0189
Glucocorticoid receptor signaling	2	0.16	12.53	0.0207
Notch-mediated HES/HEY network	2	0.18	11.33	0.0243

Notch signaling pathway	2	0.18	11.33	0.0243
LPA receptor mediated events	2	0.19	10.65	0.0268
TNF receptor signaling pathway	3	0.56	5.34	0.0326
Validated transcriptional targets of AP1 family members Fra1 and	2	0.26	7.83	0.0453
Regulation of nuclear beta catenin signaling and target gene trans	2	0.25	7.89	0.0453
Platelet activation, signaling and aggregation	2	0.26	7.66	0.0456
Direct p53 effectors	2	0.26	7.72	0.0456