

	Biological pathway	<i>p-value</i>
Apoptosis	TRAIL signaling pathway	<0.01
	p53 pathway	0.01
	Direct p53 effectors	0.03
Circadian rhythm	Circadian rhythm pathway	<0.01
	Circadian Clock	0.02
Endocrine system	Plasma membrane estrogen receptor signaling	<0.01
Immune response	IL3-mediated signaling events	<0.01
	S1P1 pathway	<0.01
	IL5-mediated signaling events	<0.01
	CDC42 signaling events	<0.01
	Regulation of CDC42 activity	<0.01
	IL12-mediated signaling events	<0.01
	Cytokine Signaling in Immune system	<0.01
	Signaling by Interleukins	<0.01
	IL23-mediated signaling events	0.01
	LPA receptor mediated events	0.01
	CD40/CD40L signaling	0.02
	TCR signaling in naive CD4+ T cells	0.02
	Immune System	0.02
	IL2 signaling events mediated by PI3K	0.04
Inflammatory response	GMCSF-mediated signaling events	<0.01
	AP-1 transcription factor network	<0.01
	PIP3 activates AKT signaling	<0.01
	TGFBR	<0.01
	Interleukin-1 signaling	<0.01
	Alternative NF-kappaB pathway	0.01
	Interleukin-1 processing	0.01
	Canonical NF-kappaB pathway	0.01
	CXCR4-mediated signaling events	0.02
	TNF receptor signaling pathway	0.02
	Toll Like Receptor 10 (TLR10) Cascade	0.02
	Toll Like Receptor 7/8 (TLR7/8) Cascade	0.03
	p38 MAPK signaling pathway	0.03

	Toll Like Receptor 9 (TLR9) Cascade	0.03
	MyD88 cascade initiated on plasma membrane	0.04
	TNF alpha/NF-kB	0.04
	Toll Like Receptor 5 (TLR5) Cascade	0.05
<b>Metabolism</b>	LKB1 signaling events	<0.01
	Arf6 signaling events	<0.01
	mTOR signaling pathway	<0.01
	Insulin Pathway	<0.01
	IGF1 pathway	<0.01
	cholesterol biosynthesis I	0.03
	cholesterol biosynthesis III (via desmosterol)	0.03
	cholesterol biosynthesis II (via 24,25-dihydrolanosterol)	0.03
	Beta-oxidation of pristanoyl-CoA	0.03
<b>Neuronal system</b>	Signalling by NGF	<0.01
	p75(NTR)-mediated signaling	0.01
	NGF signalling via TRKA from the plasma membrane	0.02
<b>Pain perception and transmission</b>	IFN-gamma pathway	<0.01
	Class I PI3K signaling events	<0.01
	Class I PI3K signaling events mediated by Akt	<0.01
	G-protein beta:gamma signalling	0.01
	Enkephalin release	0.03
<b>Vascular system</b>	ErbB receptor signaling network	<0.01
	VEGF and VEGFR signaling network	<0.01
	PAR1-mediated thrombin signaling events	<0.01
	Thrombin/protease-activated receptor (PAR) pathway	<0.01
	PDGF receptor signaling network	<0.01
	Internalization of ErbB1	<0.01
	Urokinase-type plasminogen activator (uPA) and uPAR-mediated signaling	<0.01
	EGFR-dependent Endothelin signaling events	<0.01
	Endothelins	<0.01
	GAB1 signalosome	<0.01
	ALK1 signaling events	<0.01
	PAR4-mediated thrombin signaling events	0.01
	Thromboxane signalling through TP receptor	0.03

Integrins in angiogenesis  
Signaling by EGFR

0.03  
0.04