

Table 2. Top PARADIGM pathways in GBM

Rank	Name	Avg. ^a	SPIA? ^b
1	Signaling by Ret tyrosine kinase	46.0	No
2	Signaling events activated by Hepatocyte GFR	43.7	No
3	Endothelins	42.5	Yes
4	Arf6 downstream pathway	42.3	No
5	Signaling events mediated by HDAC Class III	36.3	No
6	FOXM1 transcription factor network	35.9	Yes
7	IL6-mediated signaling events	33.2	No
8	FoxO family signaling	31.3	No
9	LPA receptor mediated events	30.7	Yes
10	ErbB2/ErbB3 signaling events	30.1	No
11	Signaling mediated by p38-alpha and p38-beta	28.1	No
12	HIF-1-alpha transcription factor network	27.6	Yes
13	Non-genotropic Androgen signaling	27.3	No
14	p38 MAPK signaling pathway	27.2	No
15	IL2 signaling events mediated by PI3K	26.9	No

^aAverage number of samples in which significant activity was detected per entity.

^bYes if the pathway was also ranked in SPIA's top 15; No otherwise.