

Table SIV. Summary of upstream regulator analysis performed on differentially expressed genes compared distinct keloid regions from whole biopsies

Upstream regulator	Biopsy, leading edge	Upstream regulator	Biopsy centre	Upstream regulator	Biopsy top
TGFB1	7.5	Pirinixic acid	-6.8	mono-(2-ethylhexyl)phthalate	-4.4
F2	5.4	MYCN	-6.4	Dexamethasone	-4.3
Alpha catenin	-5.4	Mono-(2-ethylhexyl)phthalate	-5.6	Pirinixic acid	-4.1
Tretinoin	5.0	Alpha catenin	-5.6	Rosiglitazone	-3.9
Vegf	5.0	MYC	-5.5	INSIG1	3.7
Decitabine	5.0	INSIG1	5.5	PPARA	-3.5
PD98059	-4.6	SREBF1	-5.4	WNT3A	3.4
XBP1	4.6	SREBF2	-5.4	Troglitazone	-3.3
TNF	4.5	AHR	-5.2	ESRRA	-3.2
AHR	-4.5	TGFB3	5.1	AHR	-3.1
FGF2	4.4	Tretinoin	4.9	PPARG	-3.1
TP53	4.3	SCAP	-4.9	SREBF2	-3.1
CTNNB1	4.3	Sirolimus	4.7	Alpha catenin	-3.0
TGFB3	4.3	TGFB1	4.5	SREBF1	-3.0
Doxorubicin	4.2	IgG	4.4	HNF4A	-3.0

Summary of Z-scores for upstream regulators for keloid whole biopsy leading edge, centre and top signatures as generated in Ingenuity Pathway Analysis.