Table I

List of gene array components

Table II

Wound healing associated gene expression in the presence of TSA.

Table I. List of gene array components

Human Wound Healing Specific Genes:

Extracellular Matrix & Cell Adhesion:
ECM Components: COL14A1, COL1A1, COL1A2, COL3A1, COL4A1, COL4A3, COL5A1, COL5A2, COL5A3, VTN.
Remodeling Enzymes: CTSG, CTSK, CTSL2, F13A1, F3 (Tissue Factor), FGA (Fibrinogen), MMP1, MMP2, MMP7, MMP9, PLAT (tPA), PLAU (uPA), PLAUR (uPAR), PLG, SERPINE1 (PAI-1), TIMP1.
Cellular Adhesion: CDH1 (E-cadherin), ITGA1, ITGA2, ITGA3, ITGA4, ITGA5, ITGA6, ITGAV, ITGB1, ITGB3, ITGB5, ITGB6.
Cytoskeleton: ACTA2 (a-SMA), ACTC1, RAC1, RHOA, TAGLN.

Inflammatory Cytokines & Chemokines: CCL2 (MCP-1), CCL7 (MCP-3), CD40LG (TNFSF5), CXCL1, CXCL11 (ITAC/IP-9), CXCL2, CXCL5 (ENA-78/LIX), IFNG, IL10, IL1B, IL2, IL4, IL6.

Growth Factors: ANGPT1, CSF2 (GM-CSF), CSF3 (GCSF), CTGF, EGF, FGF10, FGF2, FGF7, HBEGF (DTR), HGF, IGF1, MIF, PDGFA, TGFA, TGFB1, TNF, VEGFA.

Signal Transduction:
TGFß: TGFB1, TGFBR3, STAT3.
WNT: CTNNB1, WISP1, WNT5A.
Phosphorylation: MAPK1 (ERK2), MAPK3 (ERK1), PTEN.
Receptors: EGFR, IL6ST (GP130).
Other: PTGS2.

Table II. Wound healing associated gene expression in the presence of TSA.

Gene	Fold increase	SD
EGF	5,70	0,03
ITGB3	3,23	0,21
F3	3,18	0,07
FGF10	2,72	0,03
COL3A1	2,29	0,13
IGF1	2,16	0,03
TAGLN	2,16	0,08
COL4A1	2,10	0,29
FGF2	2,00	0,09