

**Table SI. Summary of differentially expressed genes in leading edge gene list**

Gene symbol	Gene name	Keloid biopsy, leading edge		Keloid fibroblast, leading edge	
		Fold change	Raw <i>p</i> -value	Fold change	Raw <i>p</i> -value
<i>COL11A1</i>	Collagen, type XI, alpha 1	39.3	0.0106	5.6	0.0014
<i>INHBA</i>	Inhibin, beta A	2.7	0.0319	36.7	0.0014
<i>TMEM90B</i>	Transmembrane protein 90B	25.9	0.0019	8.8	0.0001
<i>PLOD2</i>	Procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2	6.0	0.0032	22.9	0.0004
<i>ACAN</i>	Aggrecan	10.2	0.0241	22.1	5.3E-07
<i>SMYD3</i>	SET and MYND domain containing 3	2.4	0.0067	19.8	0.0014
<i>ACAN</i>	Aggrecan	10.2	0.0241	19.4	3.02E-05
<i>FSTL3</i>	Follistatin-like 3 (secreted glycoprotein)	2.9	0.0133	19.2	0.0012
<i>COMP</i>	Cartilage oligomeric matrix protein	18.4	0.0027	15.9	0.0042
<i>DACT1</i>	Dapper, antagonist of beta-catenin, homolog 1 ( <i>Xenopus laevis</i> )	3.5	0.0098	18.0	2.72E-05
<i>ZNF469</i>	Zinc finger protein 469	17.1	0.0049	3.5	0.006
<i>SULF1</i>	Sulfatase 1	9.3	0.0013	16.8	0.014
<i>P4HA3</i>	Prolyl 4-hydroxylase, alpha polypeptide III	16.8	0.0055	12.1	0.0002
<i>COMP</i>	Cartilage oligomeric matrix protein	14.9	0.0034	15.9	0.0042
<i>POSTN</i>	Periostin, osteoblast specific factor	8.9	0.0312	15.8	0.0203
<i>CSRP2</i>	Cysteine and glycine-rich protein 2	3.1	0.0118	15.7	0.0007
<i>ODZ3</i>	Odz, odd Oz/ten-m homolog 3 ( <i>Drosophila</i> )	4.4	0.024	15.5	0.001
<i>COL4A1</i>	Collagen, type IV, alpha 1	2.0	0.0336	15.4	0.0008
<i>COL1A1</i>	Collagen, type I, alpha 1	4.2	0.0103	14.8	0.0009
<i>CALD1</i>	Caldesmon 1	1.9	0.0124	14.7	0.0002
<i>SRPX2</i>	Sushi-repeat containing protein, X-linked 2	5.9	0.0087	14.4	0.013
<i>SULF1</i>	Sulfatase 1	9.3	0.0013	12.5	0.0106
<i>CLEC3B</i>	C-type lectin domain family 3, member B	-3.3	0.0407	-12.3	0.0027
<i>ACAN</i>	Aggrecan	10.2	0.0241	12.3	0.0061
<i>ITGA10</i>	Integrin, alpha 10	12.0	0.0005	2.1	0.0009
<i>COL5A3</i>	Collagen, type V, alpha 3	4.2	0.0103	11.2	0.0004
<i>CALD1</i>	Caldesmon 1	2.0	0.0134	10.8	0.0032
<i>COL5A1</i>	Collagen, type V, alpha 1	10.3	0.0127	3.3	0.0006
<i>COL5A1</i>	Collagen, type V, alpha 1	10.3	0.0127	1.6	0.023
<i>CALD1</i>	Caldesmon 1	3.2	0.0127	10.3	0.0201
<i>SLC7A8</i>	Solute carrier family 7 (amino acid transporter, L-type), member 8	2.2	0.0099	10.1	0.0154
<i>COL4A2</i>	Collagen, type IV, alpha 2	2.0	0.0473	10.1	8.53E-05
<i>TTC3</i>	Tetratricopeptide repeat domain 3	1.8	0.034	9.5	0.0031