Supplemental material

Table S1. RNA-seq sample details, including metrics considered in pre-processing.

Sample	Run	Days	Lesion	Condition	Decision	Library size
M_3dpiSci_1_S_Run1_22	1	3dpi	Sci	3dpi Sci	Kept	19.806.031
M_3dpiSci2_S_Run1_4	1	3dpi	Sci	3dpi Sci	Kept	13.671.058
M_3dpiSci3_S_Run1_5	1	3dpi	Sci	3dpi Sci	Kept	14.685.878
M_3dpiSham1_S_Run1_1	1	3dpi	Sham	3dpi Sham	Removed	493.364
M_3dpiSham2_S_Run1_2	1	3dpi	Sham	3dpi Sham	Removed	715.638
M_3dpiSham3_S_Run1_3	1	3dpi	Sham	3dpi Sham	Kept	13.698.148
M_7dpiSci_1_S_Run1_9	1	7dpi	Sci	7dpi Sci	Kept	11.585.719
M_7dpiSci_3_S_Run1_8	1	7dpi	Sci	7dpi Sci	Removed	3.564.291
M_7dpiSham_1_S_Run1_6	1	7dpi	Sham	7dpi Sham	Removed	50.047
M_7dpiSham_2_S_Run1_7	1	7dpi	Sham	7dpi Sham	Kept	15.958.959
M_7dpiSham_3_S_Run1_10	1	7dpi	Sham	7dpi Sham	Removed	2.025.102
M_3dpiSham1_S_Run3_1	3	3dpi	Sham	3dpi Sham	Kept	12.245.908
M_7_DpiSci_1A_S_Run3_4	3	7dpi	Sci	7dpi Sci	Kept	9.298.239
M_7_DpiSham_1A_S_Run3_3	3	7dpi	Sham	7dpi Sham	Kept	9.026.449
M_3dpiSham2_S_Run4_2	4	3dpi	Sham	3dpi Sham	Kept	9.537.205
M_7_DpiSham_1A_S_Run4_7	4	7dpi	Sham	7dpi Sham	Removed	1.564.290
M_7dpiSham_1_S_Run4_3	4	7dpi	Sham	7dpi Sham	Removed	710.086
M_7dpiSham_1_S_Run5_1	5	7dpi	Sham	7dpi Sham	Removed	371.243
0dpisham1b_S_Run7_10	7	0dpi	Sham	0dpi Sham	Kept	8.789.607
0dpisham2b_S_Run7_11	7	0dpi	Sham	0dpi Sham	Kept	7.804.849
0dpisham3b_S_Run7_12	7	0dpi	Sham	0dpi Sham	Removed *	8.351.209
0dp1_sci1a_S_Run8_1	8	0dpi	Sci	0dpi Sci	Kept	13.090.441
0dp1_sci2_S_Run8_2	8	0dpi	Sci	0dpi Sci	Kept	11.474.316
0dp1_sci3a_S_Run8_3	8	0dpi	Sci	0dpi Sci	Kept	13.340.809

* Sample with more than 7 million read counts but removed due a low number of profiled genes.

Table S2. qPCR Primers.

Name	Sequence
cd9_Fw	CGGTCAAAGGAGGTAGCAAGT
cd9_Rv	TGAGAGTCGAATCGGAGCCATA
mylip_Fw	CAGCTCCACTTTGAACAGCATC
mylip_Rv	CCACTCTATGCCGTAGTTCTCC
PPIA_Fw	TATCTGCACTGCCAAGACTGAGTG
PPIA_Rv	CTTCTTGCTGGTCTTGCCATTCC

Table S3. Western Blot Antibodies.

Antigen	Host	Dilution	Reference	Secondary	Dilution	Reference
CD9	Rabbit	1:1000	Abcam - ab92726	Goat anti-rabbit	1:3000	BioRad - 1706515
MYLIP	Rabbit	1:500	Invitrogen - PA5-106656	Goat anti-rabbit	1:3000	BioRad - 1706515
GAPDH	Mouse	1:1000	ThermoFisher Scientific - AM4300	Goat anti-mouse	1:4000	CAYMAN - 10004302

Table S4. Immunohistochemistry Antibodies e details.

Antigen	Host	Dilution	Reference	Retrieval	Blocking	Washing	Secondary	Dilution	Reference
CD9	Rabbit	1:100	Abcam - ab92726	Sodium Citrate Buffer, pH 6.0	1% BSA/0,3% Triton X-100 in PBS	0,1% Triton X-100 in PBS	Donkey anti-rabbit 488	1:400	Invitrogen - A21206
***αSMA**	Mouse	1:100	Sigma - C6198				NA - Cy3 conjugated antibody		
CD31	Goat	1:100	RD Systems - AF3628				Donkey anti-goat 647	1:500	Invitrogen - A21447
MYLIP	Rabbit	1:100	Invitrogen - PA5-106656	NA	2% BSA/0,2% Triton X-100 in PBS	0,2% Triton X-100 in PBS	Donkey anti-rabbit 488	1:500	Invitrogen - A21206
CD13	Rat	1:100	BioRad - MCA2183T				Donkey anti-rat 647	1:500	712-605-153
CD31	Goat	1:100	RD Systems - AF3628				Donkey anti-goat 568	1:500	Invitrogen - A11057

* CD13 was used as a gold standard immunostaining to detect pericytes. CD13 however does not work with the antigen retrieval protocol necessary to detect CD9. Given this, we used a compatible antibody for pericytes detection (αSMA).