

Supplementary Table S4. scRNA-seq marker genes.

gene	cluster
Beam A	BMP5, DCN, PDGFR1, CP, TAGLN
Beam C	PDGFRB
Schmy	S100B, CRYAB, MPZ, NRN1, CNP, PMP22, PLP1
Beam B	SFRP4
SMC	ACTA2, MYL9, RGS5, MYLK, HHIP, MYH11, GJA4
Vendo	PECAM1, VWF
Mono/Macro	LYZ, CD163, CD14
SC	PROX1, CCL21, FOXC2, CDH5
T cells	CD3D, CD3E, CD3G, CCR6
NK cells	CD160, NKG7, GNLY, CD247, CCL3, GZMB
Macrophages	NAAA, MARCH1, TYROBP
Melanocyte	DCT, MITF, RAB38, PRKN, SOX9
JCT	CNN1, TRPV4
pericytes	CD34