

1 **Supplementary Table 1.** Genes (84) up- and down-regulated associated with SPARC
 2 modulation.

Gene symbol	Ref seq	Gene name	Fold Change
Adamts1	NM_024400	ADAM metalloproteinase with thrombospondin type 1 motif, 1	1,181
Adamts5	NM_198761	ADAM metalloproteinase with thrombospondin type 1 motif, 5	0,9266
Adamts8	XM_235977	ADAM metalloproteinase with thrombospondin type 1 motif, 8	4,8906
Catna1	NM_001007145	Catenin (cadherin associated protein), alpha 1	1,3947
Ctnna2	XM_232077	Catenin (cadherin associated protein), alpha 2	0,6736
Cd44	NM_012924	Cd44 molecule	1,8404
Cdh1	NM_031334	Cadherin 1	9,7811
Cdh2	NM_031333	Cadherin 2	0,3789
Cdh3	XM_226426	Cadherin 3, type 1, P-cadherin (placental)	1,2924
Cdh4	XM_001061943	Cadherin 4	1,2924
Cntn1	NM_057118	Contactin 1	1,057
Coll1a1	XM_213440	Collagen, type I, alpha 1	1,2397
Col2a1	NM_012929	Collagen, type II, alpha 1	1,8921
Col3a1	NM_032085	Collagen, type III, alpha 1	1,3947
Col4a1	XM_214400	Collagen, type IV, alpha 1	1,2311
Col4a2	XM_225043	Collagen, type IV, alpha 2	1,5157
Col4a3	XM_343607	Collagen, type IV, alpha 3	1,7777
Col5a1	NM_134452	Collagen, type V, alpha 1	0,9075
Col6a1	XM_215375	Collagen, type VI, alpha 1	1,0425
Col8a1	XM_221536	Collagen, type VIII, alpha 1	1,6245
Vcan	XM_215451	Versican	0,9202
Ctgf	NM_022266	Connective tissue growth factor	0,9727
Ctnnb1	NM_053357	Catenin (cadherin associated protein), beta 1	1,3566
Ecm1	NM_053882	Extracellular matrix protein 1	0,8293
Emilin1	XM_238447	Elastin microfibril interfacier 1	1,2142
Entpd1	NM_022587	Ectonucleoside triphosphate diphosphohydrolase 1	2,0562
Fbln1	XM_243637	Fibulin 1	1,4743
Fn1	NM_019143	Fibronectin 1	1,3472
Hapln1	NM_019189	Hyaluronan and proteoglycan link protein 1	1,2746

Icam1	NM_012967	Intercellular adhesion molecule 1	1,1975
Itga2	XM_345156	Integrin, alpha 2	0,8827
Itga3	XM_340884	Integrin alpha 3	1,5476
Itga4	XM_230033	Integrin alpha 4	0,7631
Itga5	XM_235707	Integrin alpha 5 (fibronectin receptor alpha)	0,9266
Itgad	NM_031691	Integrin, alpha D	0,2102
Itgae	NM_031768	Integrin, alpha E, epithelial-associated	0,9526
Itgal	NM_001033998	Integrin alpha L	0,7526
Itgam	NM_012711	Integrin alpha M	0,9526
Itgav	XM_230950	Integrin alpha V	1,2483
Itgb1	NM_017022	Integrin beta 1 (fibronectin receptor beta)	1,6245
Itgb2	XM_001069791	Integrin beta 2	0,8706
Itgb3	NM_153720	Integrin beta 3	0,8827
Itgb4	NM_013180	Integrin beta 4	1,2397
Lama1	XM_237536	Laminin, alpha 1	1,1096
Lama2	XM_219866	Laminin, alpha 2	1,0867
Lama3	XM_226159	Laminin, alpha 3	1,6586
Lamb2	NM_012974	Laminin, beta 2	0,895
Lamb3	XM_223087	Laminin, beta 3	1,2834
Lamc1	XM_341133	Laminin, gamma 1	1,0644
Mmp10	NM_133514	Matrix metalloproteinase 10	1,3104
Mmp11	NM_012980	Matrix metalloproteinase 11	1,1329
Mmp12	NM_053963	Matrix metalloproteinase 12	0,6199
Mmp13	XM_343345	Matrix metalloproteinase 13	2,2974
Mmp14	NM_031056	Matrix metalloproteinase 14 (membrane-inserted)	1,5583
Mmp15	XM_238034	Matrix metalloproteinase 15	1,7171
Mmp16	NM_080776	Matrix metalloproteinase 16	1,454
Mmp1a	XM_235794	Matrix metalloproteinase 1a (interstitial collagenase)	0,8123
Mmp2	NM_031054	Matrix metalloproteinase 2	1,057
Mmp3	NM_133523	Matrix metalloproteinase 3	1,0943
Mmp7	NM_012864	Matrix metalloproteinase 7	0,8586
Mmp8	NM_022221	Matrix metalloproteinase 8	1,2311
Mmp9	NM_031055	Matrix metalloproteinase 9	0,9461
Ncam1	NM_031521	Neural cell adhesion molecule 1	1,3013
Ncam2	NM_203409	Neural cell adhesion molecule 2	0,8123
Pecam1	NM_031591	Platelet/endothelial cell adhesion molecule 1	1,6472

Postn	XM_342245	Periostin, osteoblast specific factor	1,1251
Adamts2	XM_213548	ADAM metallopeptidase with thrombospondin type 1 motif, 2	0,6462
Sele	NM_138879	Selectin, endothelial cell	1,5369
Sell	NM_019177	Selectin, lymphocyte	0,9526
Selp	NM_013114	Selectin, platelet	0,6878
Sgce	NM_001002023	Sarcoglycan, epsilon	2,4623
Sparc	NM_012656	Secreted protein, acidic, cysteine-rich (osteonectin)	0,6373
Spock1	XM_225160	Sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	1,2924
Spp1	NM_012881	Secreted phosphoprotein 1	1,057
Syt1	NM_001033680	Synaptotagmin I	2,9897
Tgfb1	XM_573983	Transforming growth factor, beta 1	0,6736
Thbs1	NM_001013062	Thrombospondin 1	1,9185
Thbs2	XM_214778	Thrombospondin 2	1,8661
Timp1	NM_053819	TIMP metallopeptidase inhibitor 1	1,0867
Timp2	NM_021989	TIMP metallopeptidase inhibitor 2	1,0718
Timp3	NM_012886	TIMP metallopeptidase inhibitor 3	1,3195
Tnc	NM_053861	Tenascin C	1,4241
Vcam1	NM_012889	Vascular cell adhesion molecule 1	1,6021
Vtn	NM_019156	Vitronectin	0,7955