Supplementary Table 3: List of ECM genes with significantly changed expression evoked by aging, ischemia (pMCAo) in young adult (3M) and aged (18M) mice or between groups following pMCAo. Significance values are supplemented with information about increased (up, upregulation) or decreased (down, downregulation) expression. N = 6 animals/group. Statistical method: Wald test, Benjamini-Hochberg correlation. Abbreviations: Ctrl (control, non-ischemic tissue), pMCAo (permanent middle cerebral artery occlusion), 3M (3-month-old mice), 18M (18-month-old mice), ns (not significant difference).

Gene	Ctrl 3M vs.	18M	3M pMCAo v	s. Ctrl	18M pMCAo v	/s. Ctrl	pMCAo 3M vs	. 18M
Adamts1	ns		7.53E ⁻²²	up	1.33E ⁻⁴²	up	3.09E ⁻⁰³	up
Adamts2	ns		2.38E ⁻⁰³	up	ns	up	ns	
Adamts4	ns		2.88E ⁻⁰⁸	up	2.55E ⁻¹⁴	up	ns	
Adamts5	ns		1.79E ⁻⁰³	up	1.98E ⁻⁰⁷	up	ns	
Adamts7	ns		1.51E ⁻⁰⁴	up	7.42E ⁻⁰⁵	up	ns	
Adamts9	ns		2.77E ⁻⁰⁷	up	2.16E ⁻¹³	up	ns	
Adamts14	ns		8.59E ⁻⁰⁶	up	9.21E ⁻⁰⁶	up	ns	
Adamts17	ns		ns	-	2.55E ⁻⁰³	down	ns	
Bcan	ns		2.16E ⁻⁰²	down	3.30E ⁻⁰⁶	down	1.83E ⁻⁰²	down
Crtap	ns		ns		2.76E ⁻⁰³	up	ns	
Cspg4	ns		1.47E ⁻⁰³	up	1.90E ⁻⁰⁸	up	ns	
Ecm1	ns		7.22E ⁻¹⁴	up	1.20E ⁻²⁵	up	4.73E ⁻⁰²	up
Egflam	ns		2.92E ⁻⁰²	up	2.99E ⁻⁰⁵	up	ns	
Fn1	ns		7.92E ⁻³³	up	6.36E ⁻⁴⁰	up	ns	
Hapln2	6.29E ⁻⁰⁹	up	1.05E ⁻⁰²	up	ns		6.56E ⁻⁰⁶	up
Hapln3	ns		7.50E ⁻⁰⁶	up	6.28E ⁻⁰⁵	up	ns	
Hapin4	ns		ns		8.25E ⁻⁰⁷	down	ns	
Hpse	ns		ns		6.61E ⁻⁰⁵	up	2.65E ⁻⁰³	up
Hspg2	ns		2.84E ⁻¹⁷	up	7.17E ⁻²⁷	up	ns	
ltgb1	ns		3.45E ⁻²⁷	up	2.14E ⁻³⁴	up	ns	
Lum	ns		6.67E ⁻¹³	up	9.02E ⁻²³	up	3.31E ⁻⁰²	up
Mgp	ns		5.33E ⁻¹²	up	8.42E ⁻¹⁹	up	1.11E ⁻⁰²	up
Mmp2	ns		2.57E ⁻⁰⁵	up	5.29E ⁻⁰⁷	up	ns	
Mmp3	ns		5.05E ⁻¹¹	up	6.76E ⁻¹¹	up	ns	
Mmp8	ns		3.29E ⁻⁰⁷	up	1.44E ⁻¹⁰	up	ns	
Mmp9	ns		4.64E ⁻⁰⁴	up	1.13E ⁻⁰⁹	up	ns	
Mmp10	ns		8.48E ⁻⁰⁴	up	1.99E ⁻⁰⁵	up	ns	
Mmp11	ns		2.07E ⁻⁰²	up	1.85E ⁻⁰²	up	ns	
Mmp12	4.80E ⁻⁰³	up	1.55E ⁻¹¹	up	1.04E ⁻⁰⁹	up	ns	
Mmp13	ns		ns		3.68E ⁻⁰⁶	up	7.99E ⁻⁰³	up
Mmp14	ns		2.82E ⁻²⁰	up	2.19E ⁻³⁹	up	ns	
Mmp19	ns		2.13E ⁻¹³	up	1.12E ⁻¹⁶	up	ns	
Mmp24	ns		7.16E ⁻⁰³	down	ns		ns	
Ncan	4.80E ⁻⁰³	down	8.10E ⁻⁰³	down	ns		ns	
Sdc1	ns		4.95E ⁻¹¹	up	4.35E ⁻¹⁵	up	ns	
Sdc3	ns		9.71E ⁻⁰³	up	6.81E ⁻¹³	up	8.54E ⁻⁰⁴	up
Sdc4	1.30E ⁻⁰³	up	1.26E ⁻²³	up	1.68E ⁻¹³	up	ns	
Sparcl1	ns		8.30E ⁻⁰⁴	down	6.76E ⁻⁰⁸	down	ns	
Timp1	ns		5.84E ⁻²⁵	up	4.99E ⁻³⁰	up	ns	
Timp2	ns		2.15E ⁻⁰³	up	7.81E ⁻⁰³	up	ns	
Timp3	ns		1.78E ⁻⁰⁷	up	1.08E ⁻⁰⁵	up	ns	
Timp4	ns		6.25E ⁻⁰³	up	1.37E ⁻⁰²	up	ns	
Tnc	ns		1.46E ⁻³²	up	8.87E ⁻⁴⁸	up	ns	
Vcan	ns		3.27E ⁻¹⁰	up	3.41E ⁻¹⁷	up	ns	