

Supplementary information to manuscript SREP-14-01527A “Absence of fibromodulin affects matrix composition, collagen deposition and cell turnover in healthy and fibrotic lung parenchyma”, by Kristina Rydell-Törmänen, Kristofer Andréasson, Roger Hesselstrand and Gunilla Westergren-Thorsson.

Parameter	WT control	WT bleomycin	FM control	FM bleomycin
Total collagen (fraction, %)	7.45±2.05	12.58±2.45 <sup>***</sup>	6.53±1.08	12.43±3.11 <sup>###</sup>
Fibrillar collagen (fraction, %)	1.86±0.35	2.64±0.28 <sup>***</sup>	2.4±0.34 <sup>*</sup>	2.27±0.27 <sup>§</sup>
Tissue density (fraction, %)	32.6±0.95	43.9±5.3 <sup>***</sup>	34.1±2.35	40.3±4.32 <sup>##</sup>
TGF-β (pg/ml)	92±8	108±15 <sup>*</sup>	99±13	100±16
Collagen I (fraction, %)	0.18±0.07	0.61±0.21 <sup>***</sup>	0.07±0.04 <sup>*</sup>	0.40±0.19 <sup>### §</sup>
Collagen III (fraction, %)	5.49±0.91	4.64±0.80	4.98±0.68	5.28±0.87
LOX (fraction, %)	0.091±0.042	0.443±0.141 <sup>***</sup>	0.182±0.093 <sup>*</sup>	0.896±0.167 <sup>### §</sup>
Lumican (fraction, %)	1.52±0.57	0.46±0.36 <sup>***</sup>	0.59±0.16 <sup>***</sup>	0.68±0.25
Decorin (fraction, %)	0.063±0.011	0.059±0.017	0.043±0.015 <sup>*</sup>	0.043±0.016
Biglycan (fraction, %)	0.14±0.04	0.47±0.07 <sup>***</sup>	0.21±0.04 <sup>*</sup>	0.54±0.05 <sup>###</sup>
Proliferation (cells/mm <sup>2</sup> )	3.6±1.18	6.69±0.52	7.80±0.82	10.09 ±2.31
Apoptosis (TUNEL, cells/mm <sup>2</sup> )	5.3±1.4	27.5±9.9	8.5±2.1	9.8±3.9
Cell numbers (cells/mm <sup>2</sup> )	3808±649	3674±414	4106±568	4502±724
Neutrophils (cells/mm <sup>2</sup> )	379±107	510±109 <sup>*</sup>	480±42	534±55
Macrophages (cells/mm <sup>2</sup> )	75±19	63±10	63±11	104±16 <sup>### \$\$\$</sup>
MCP-1 (ELISA, pg/ml)	108±18	77±27 <sup>*</sup>	65±15 <sup>*</sup>	79±29

<sup>\*</sup>, <sup>\*\*</sup>, <sup>\*\*\*</sup> Denotes difference towards WT control, <sup>§</sup>, <sup>§§</sup>, <sup>§§§</sup> denotes difference towards WT bleomycin and <sup>#</sup>, <sup>##</sup>, <sup>###</sup> denotes difference towards FM control.

Abbreviations; LOX; Lysyl Oxidase, TUNEL; Terminal Uridine Nick-End Labelling, MCP-1; Monocyte Chemotactic Protein- 1 (aka CCL2 and JE).