

## Supplementary Material

**Supplementary Table 1**

**Linear mixed effects regression model estimates for 3-NT immunofluorescence between tensile strain conditions**

	$\beta$ coefficient	Standard Error	95% CI
<b>Model 1: %3-NT+ cells</b>			
Tensile strain:			
Control	Reference	Reference	Reference
Low frequency	0.41	7.63	-14.55 to 15.37
High frequency	<b>16.83</b>	<b>7.63</b>	<b>1.87 to 31.79</b>
<b>Model 2: %3-NT+ macrophages</b>			
Tensile strain:			
Control	Reference	Reference	Reference
Low frequency	-5.90	7.85	-21.29 to 9.49
High frequency	1.86	7.85	-13.52 to 17.25
<b>Model 3: %3NT+ cells with strain x Total lining macrophage interaction</b>			
Tensile strain:			
Control	Reference	Reference	Reference
Low frequency	-0.45	10.35	-20.74 to 19.84
High frequency	<b>26.29</b>	<b>10.00</b>	<b>6.68 to 45.89</b>
Total Lining Macrophages	0.27	0.36	-0.44 to 0.98
<b>Tensile Strain x Total Lining Macrophages</b>			
Control x Total lining macrophages	Reference	Reference	Reference
Low frequency x Total lining macrophages	0.14	0.56	-0.95 to 1.23
High frequency x Total lining macrophages	-0.81	0.53	-1.86 to 0.23

Bolded value indicates significance at the 5% level

Random intercepts specified by individual

Independent covariance structure