

Supplemental Digital Content 3

Within-animal Regressions of k_3 with sVol

The mixed-effects model regression of k_3 onto sVol provided estimates of intercepts and slopes within each animal (i.e. the random effects within each study). These within-animal regressions are shown in Figure S8.

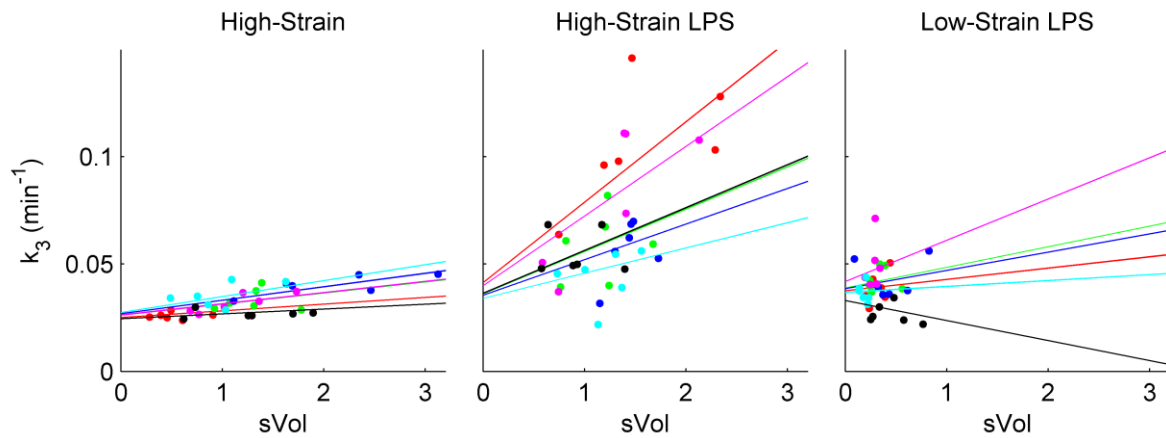


Figure S8. Within-animal regressions of k_3 vs. sVol obtained with the mixed-effects model, with data from each animal and its regression line shown in the same color. Note the significantly smaller range of strain and k_3 in the Low-Strain LPS group, resulting in a larger variability of estimated regression slopes. Effects of sVol on k_3 were found in the High-Strain ($p=0.027$) and High-Strain LPS ($p=0.004$) groups, with significantly higher slopes in High-Strain LPS than in High-Strain ($p=0.009$).