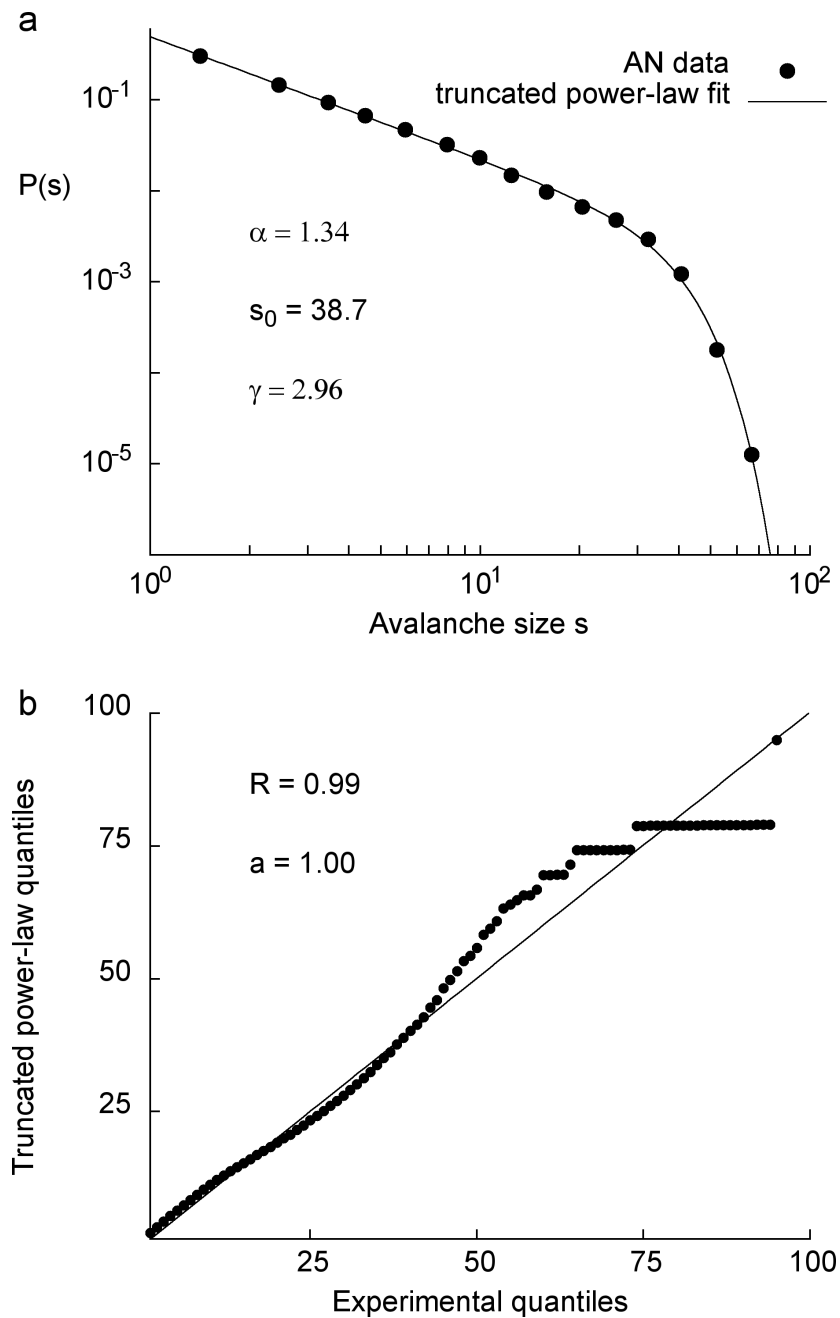


Size distributions from anesthetized animals are similar to truncated power-laws.

See Supporting Information Text S1 for detailed statistical analysis.

In Fig. S6a, we show the fit of the truncated power law. The Q-Q plot in Fig. S6b compares the data versus the fitted function by plotting their quantiles against each other. A perfect fit should yield a straight Q-Q plot with slope $a=1$, so we calculated the linear correlation coefficient R and the best-fitted slope a to assess the goodness-of-fit. We obtained $R=0.99$ and $a=1.00$, which indicates that the truncated power law provided indeed a good fit to the data.



S6: Size distribution from AN data and the truncated power-law. (a) Avalanche size distribution for one AN rat and the truncated power-law fit (see text). (b) QQ-plot for the same AN data and fit. The solid line represents the linear fit which resulted in the slope $a=1$.