

**S6 Fig. Individual variation in the fractional exponent model**  $y=a_{\beta}x^{\beta}$ **.** The optimized model coefficients  $a_{\beta}$  for each whisker are plotted as violin plots grouped by individual animals. It is important to keep in mind that each subplot (i.e., each species) uses a different value of  $\beta$  (top right corner). Plotting conventions are identical to S4 Fig.