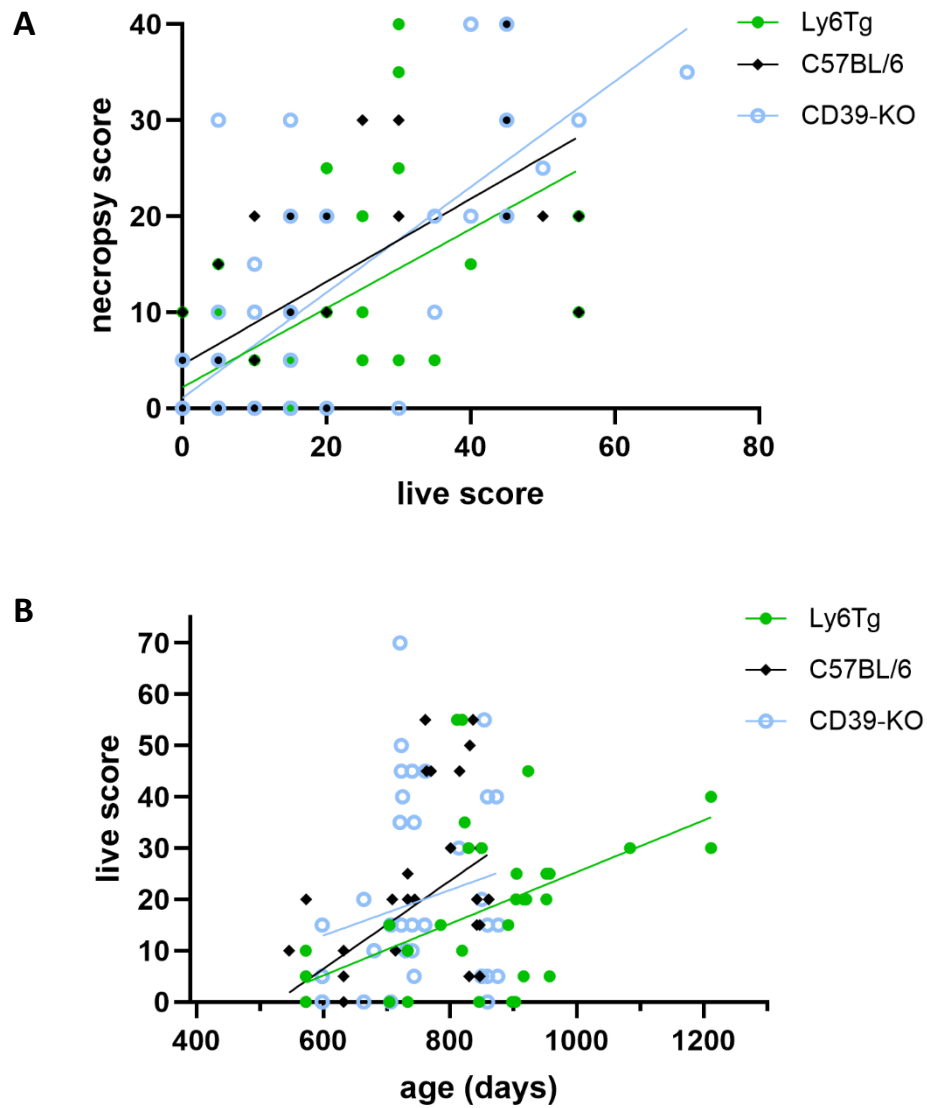


Which external symptoms predict impaired welfare in aged mice?
Validation of a live scoring system against necropsy findings -
Supplements



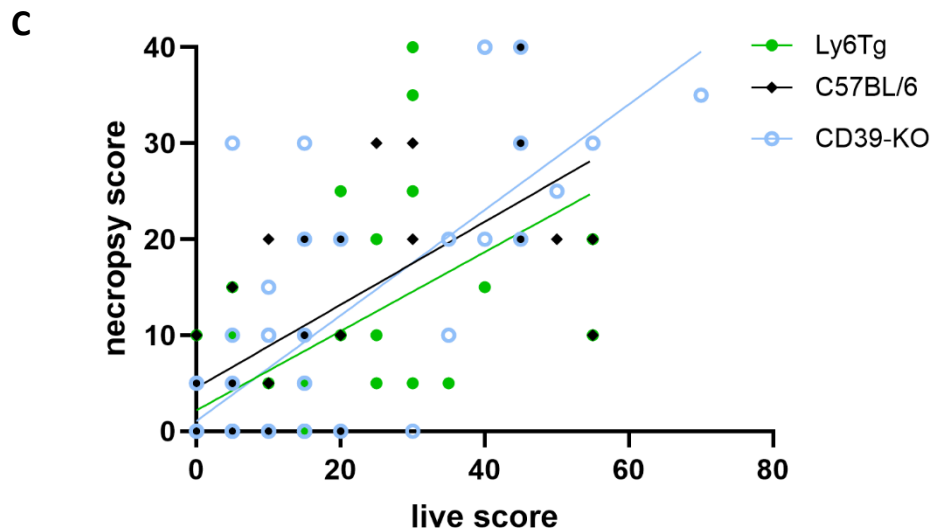
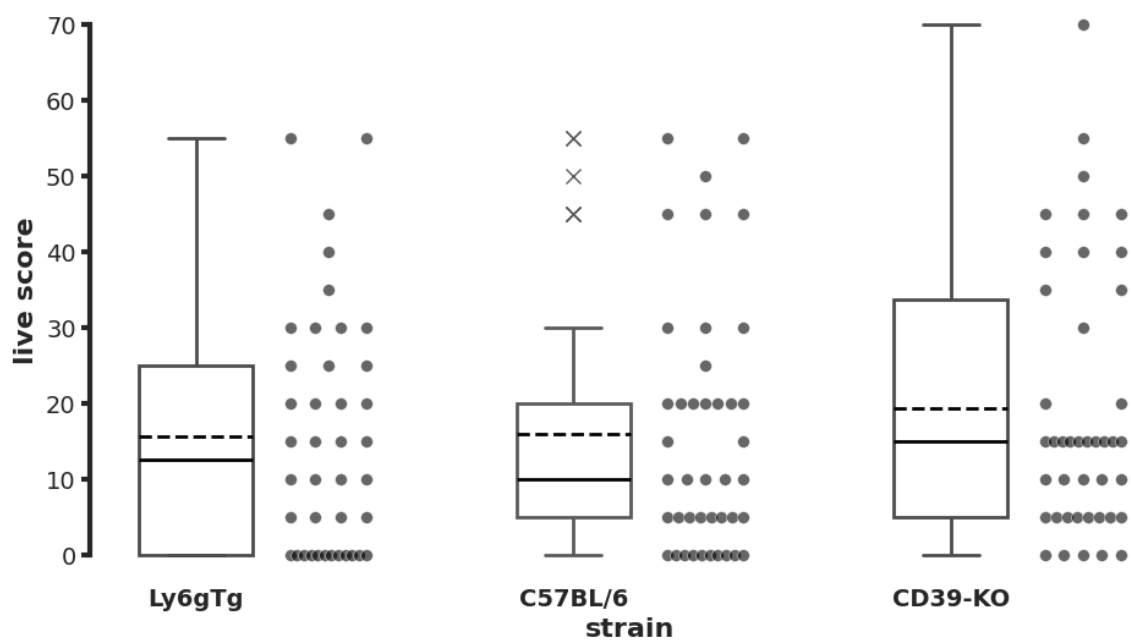
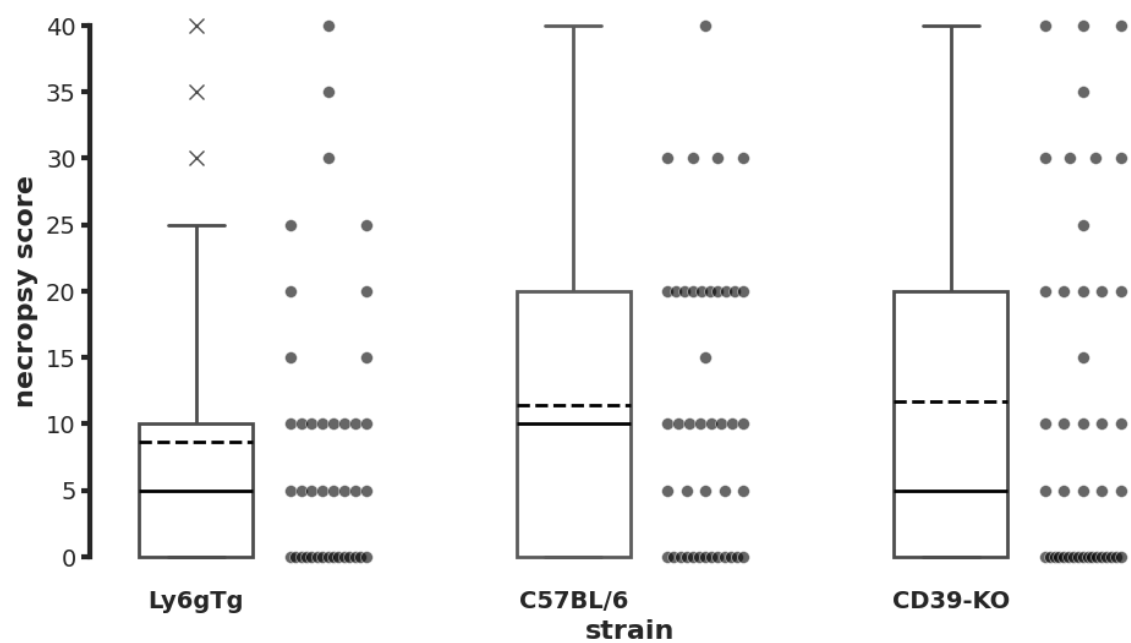


Figure S1.

Strain-specific relationships between live and necropsy score, and live/necropsy scores and age. A: Live score vs. necropsy score. All slopes > 0 ($Rho's=0.604-0.701$, all $p<0.0001$). Slopes not different amongst each other ($F=0.859$, $p=0.426$). **B:** Live score vs. age. Slopes > 0 for Ly6TG ($Rho=0.593$, $p<0.0001$) and C57BL/6 ($Rho=0.562$, $p=0.0001$), but not CD39-KO ($Rho=0.249$, $p=0.229$). Slopes not different amongst each other ($F=1.118$, $p=0.33$). **C:** Necropsy score vs. age. Slopes > 0 for Ly6TG ($Rho=0.615$, $p<0.0001$) and C57BL/6 ($Rho=0.517$, $p=0.0005$), but not CD39-KO ($Rho=0.213$, $p=0.175$). Slopes not different amongst each other ($F=0.433$, $p=0.65$).

A**B**

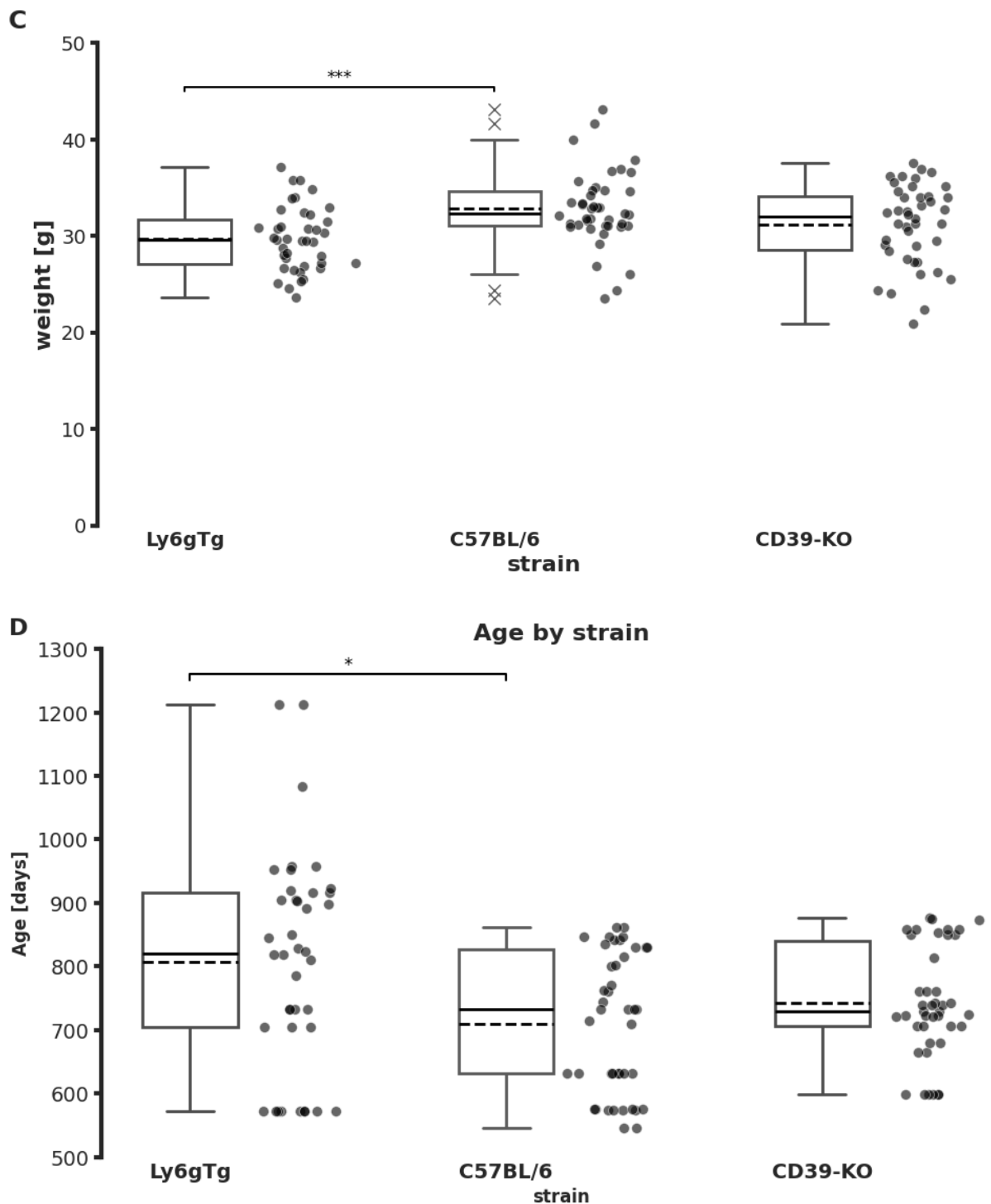


Figure S2. Strain-specific differences across assessed parameters.

A: Necropsy score by strain. **B:** Live score by strain. **C:** Body weight by strain. **D:** Age by strain. Data are presented as boxplots individual data points overlaid. The solid line indicates the median and the dashed line the mean. Boxes represent the interquartile range (IQR), and whiskers extend to $1.5 \times \text{IQR}$. Crosses denote outliers. * $p < 0.05$, *** $p < 0.001$. Mann-Whitney U test with Bonferroni correction.