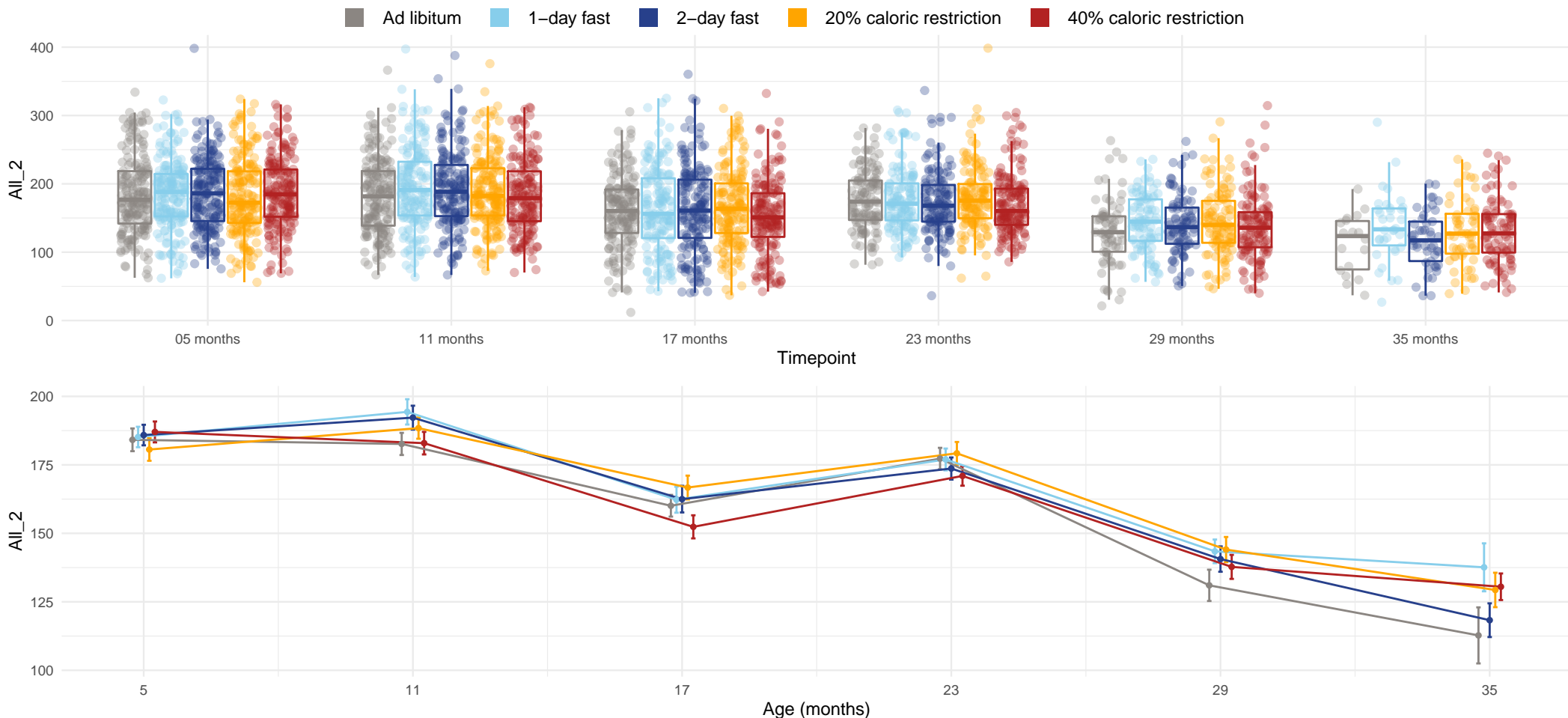


# Diet and age effects on The all-paw grip strength from all-paw trial 2 (grams)



Only the following timepoints were used when testing for direct diet and age-diet interaction effects (all timepoints were used when testing for direct age effects): 05 months, 11 months, 17 months, 23 months and 29 months. The effects of age, diet, and the age-diet interaction were estimated using mixed linear models and the significance of the effects were assessed with an approximate F-test using the Kenward and Roger (1997) approach. The p-values for the diet effect at each timepoint are: 05 months = 0.478; 11 months = 0.00274; 17 months = 0.0515; 23 months = 0.281 and 29 months = 0.0154. The diet pairs that have significantly different (Tukey p-value < 0.05) means at 11 months are AL-1D, AL-2D and AL-40. The diet pairs that have significantly different (Tukey p-value < 0.05) means at 29 months are AL-20 and AL-40. The p-value for the direct effect of age on All\_2 is  $9.57 \times 10^{-7}$ . The p-value for the effect of the interaction between age and diet on All\_2 is 0.00987. The diet pairs that have significantly different (Tukey p-value < 0.05) rates of change with age are AL-20.