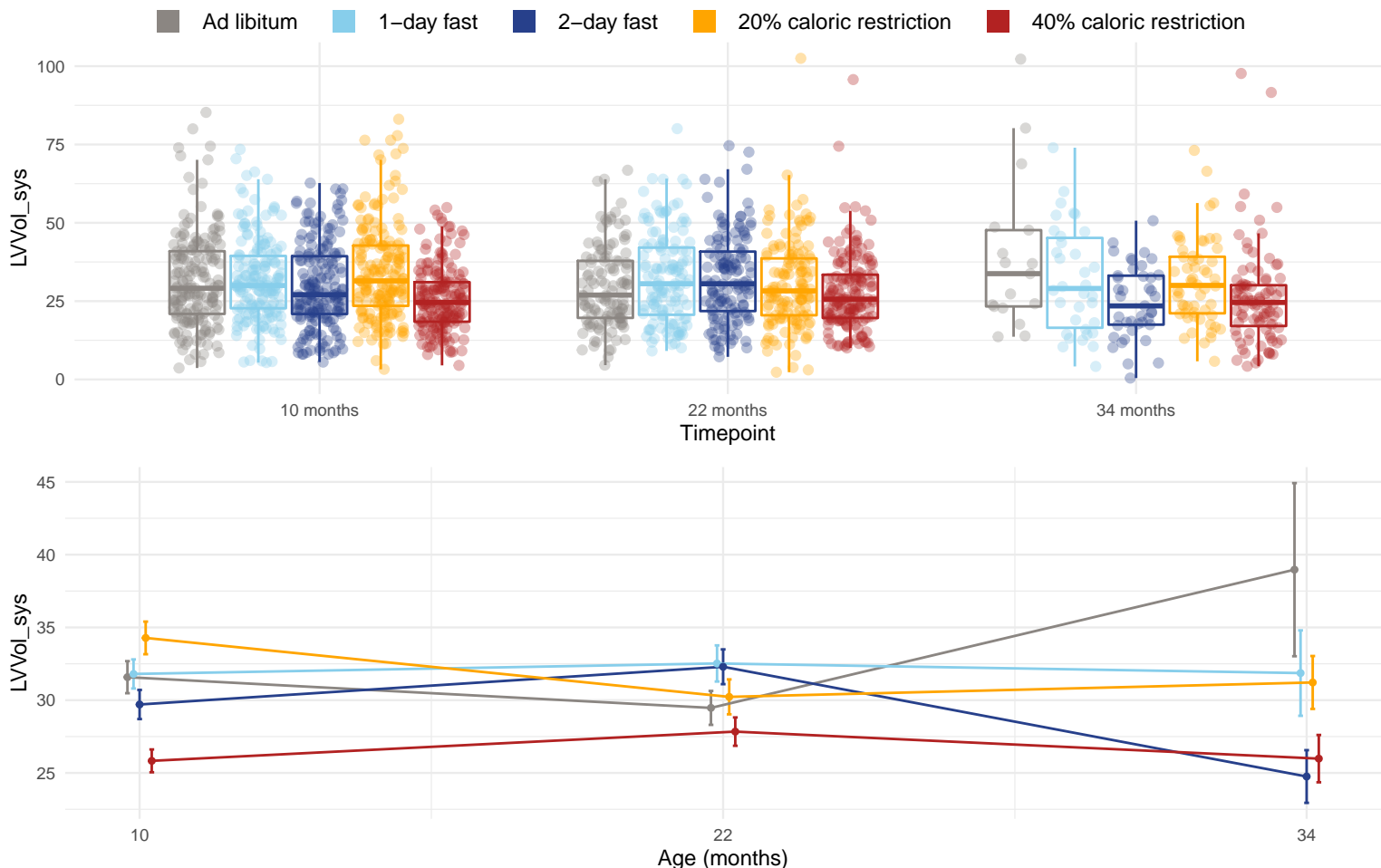


# Diet and age effects on systolic left ventricle volume (micro liters): $7/(2.4 + \text{LVID\_sys}) * (\text{LVID\_sys}^3)$



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): 10 months and 22 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: 10 months =  $1.54e-05$  and 22 months = 0.14. The diet pairs that have significantly different (Tukey p–value < 0.05) means at 10 months are 1D–40, 2D–20 and 20–40. The p–value for the direct effect of age on LVVol\_sys is 0.733. The p–value for the effect of the interaction between age and diet on LVVol\_sys is 0.00445. The diet pairs that have significantly different (Tukey p–value < 0.05) rates of change with age are 2D–20 and 20–40.