



Only the following timepoints were used when testing for diet and age effects: 05 months, 16 months and 28 months. The effects 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 = 0.195; 16 months =  $2.11\text{e-}07$  and 28 months = 0.00351. The diet pairs that have significantly different (Tukey p-value < 0.05) means at 16 months are AL-1D, AL-2D, AL-20, AL-40, 1D-40 and 2D-40. The diet pairs that have significantly different (Tukey p-value < 0.05) means at 28 months are AL-20 and AL-40. The p-value for the direct effect of age on CD8T\_CD62LposCD44negPercCD8T is  $3.56\text{e-}16$ . The p-value for the effect of the interaction between age and diet on CD8T\_CD62LposCD44negPercCD8T is  $1.35\text{e-}09$ . The diet pairs that have significantly different (Tukey p-value < 0.05) rates of change with age are AL-2D, AL-20, AL-40 and 1D-40.