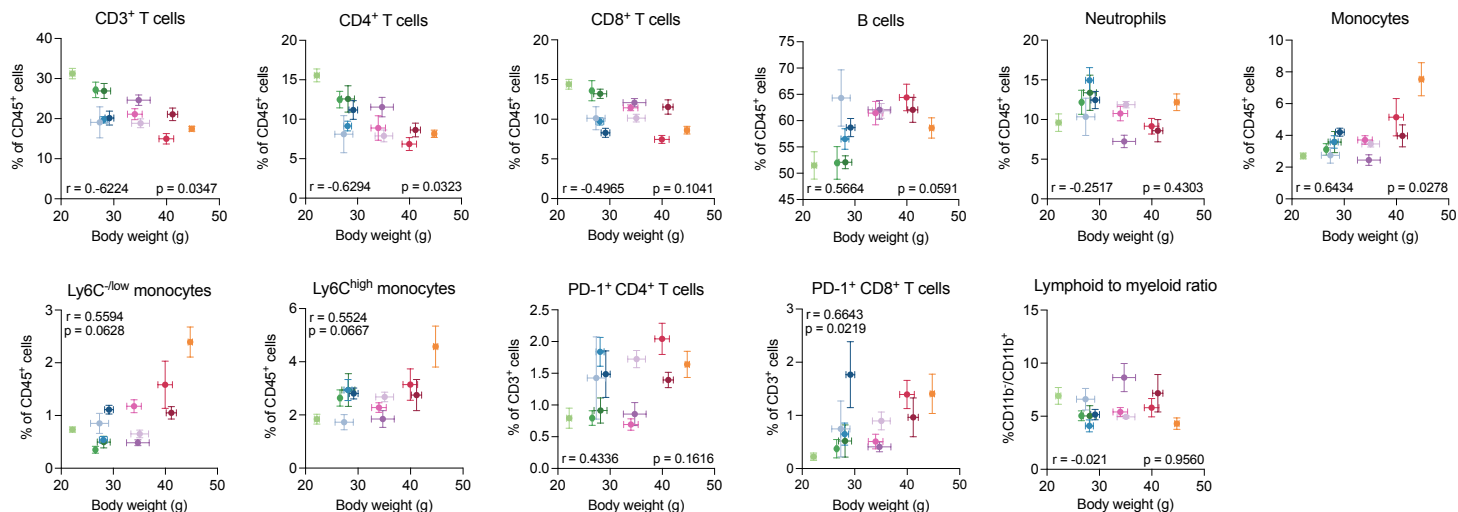

Supplementary information

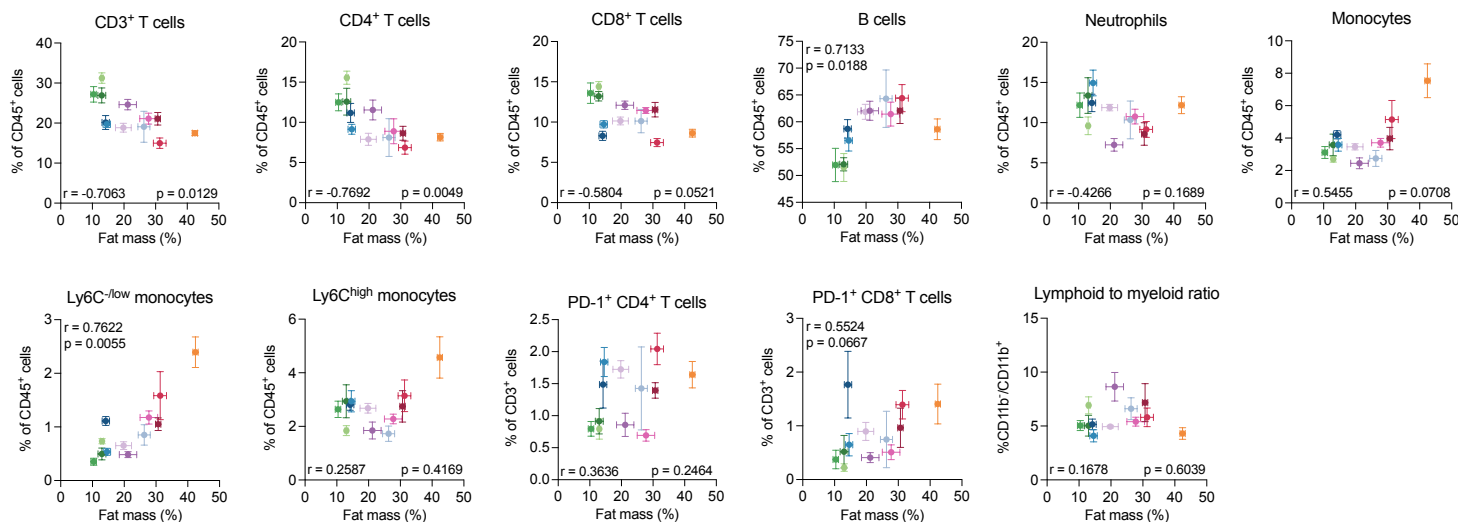
Diet–microbiome synergy underlies obesity-associated immunotherapy efficacy

In the format provided by the
authors and unedited

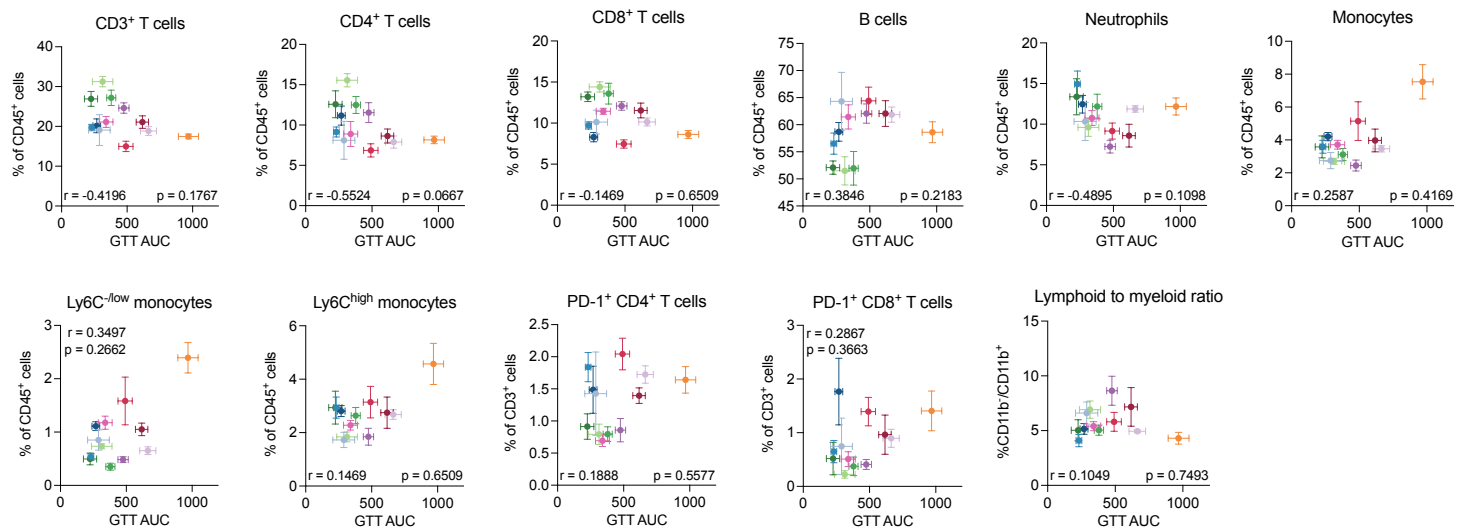
Baseline vs Body weight



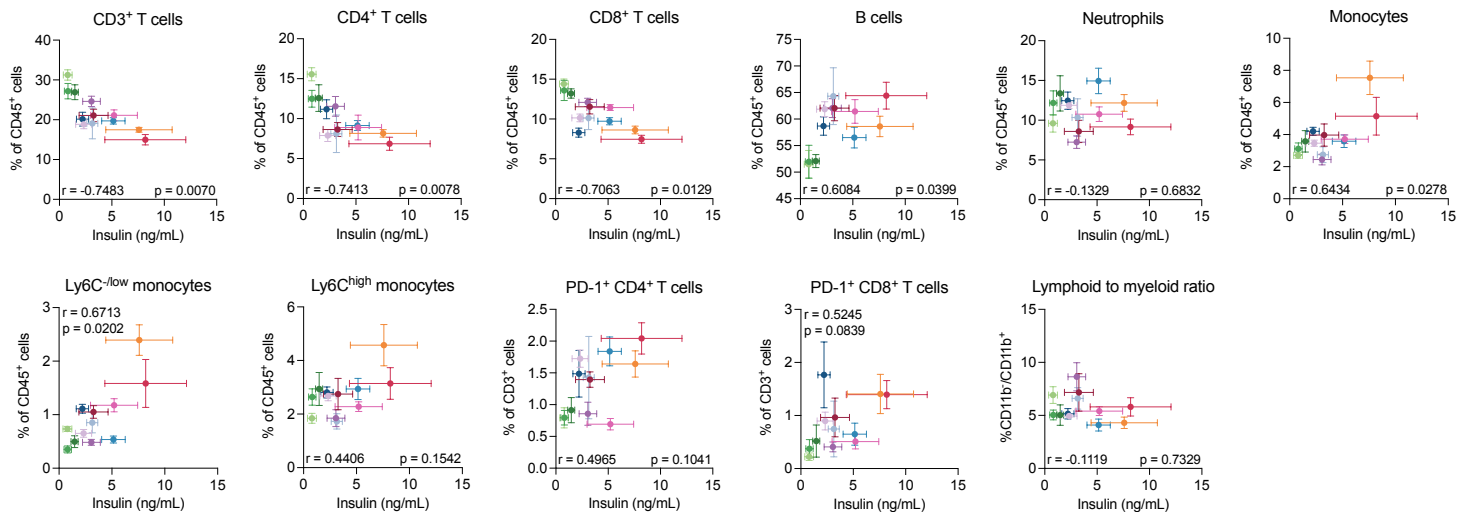
Baseline vs Fat mass



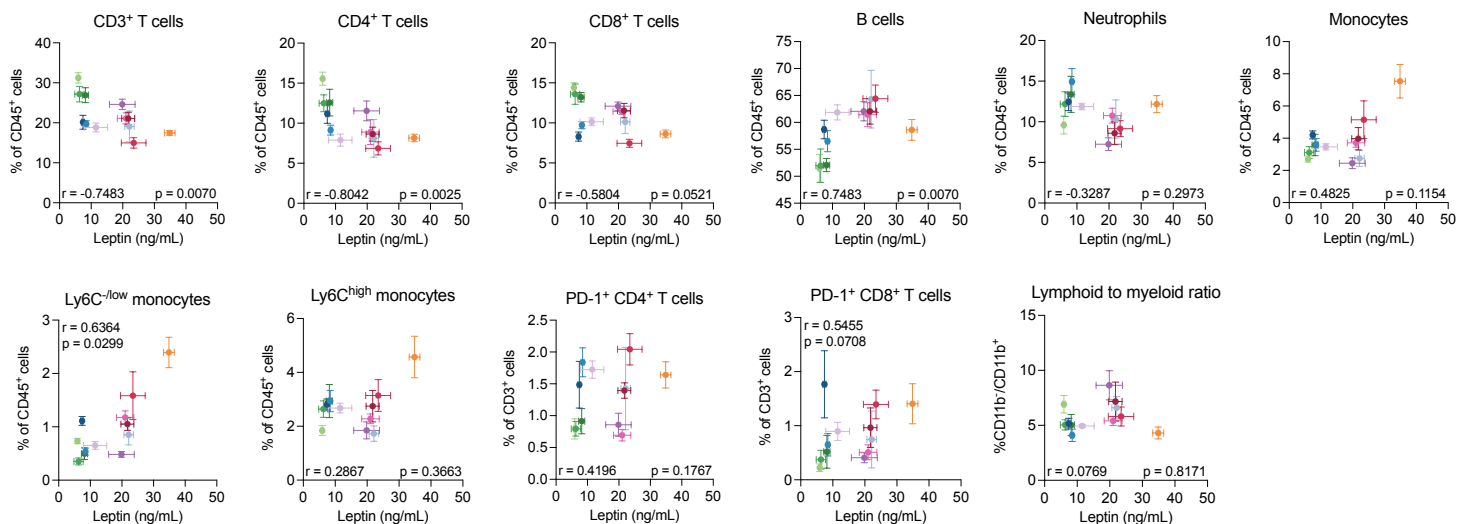
Baseline vs GTT



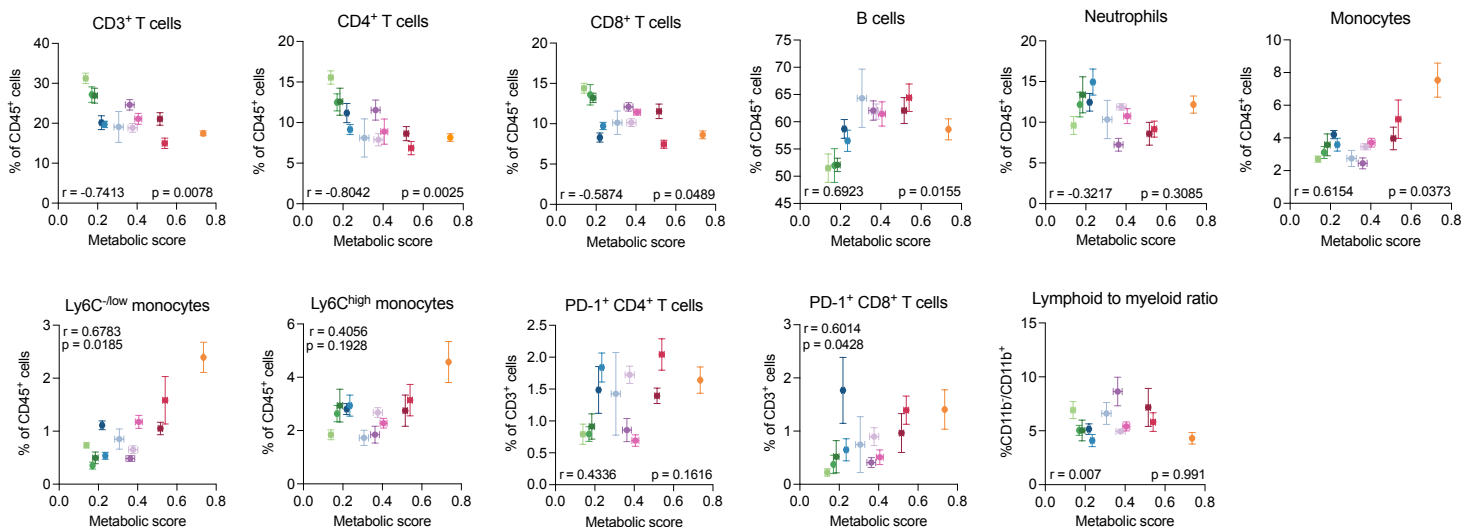
Baseline vs Insulin



Baseline vs Leptin

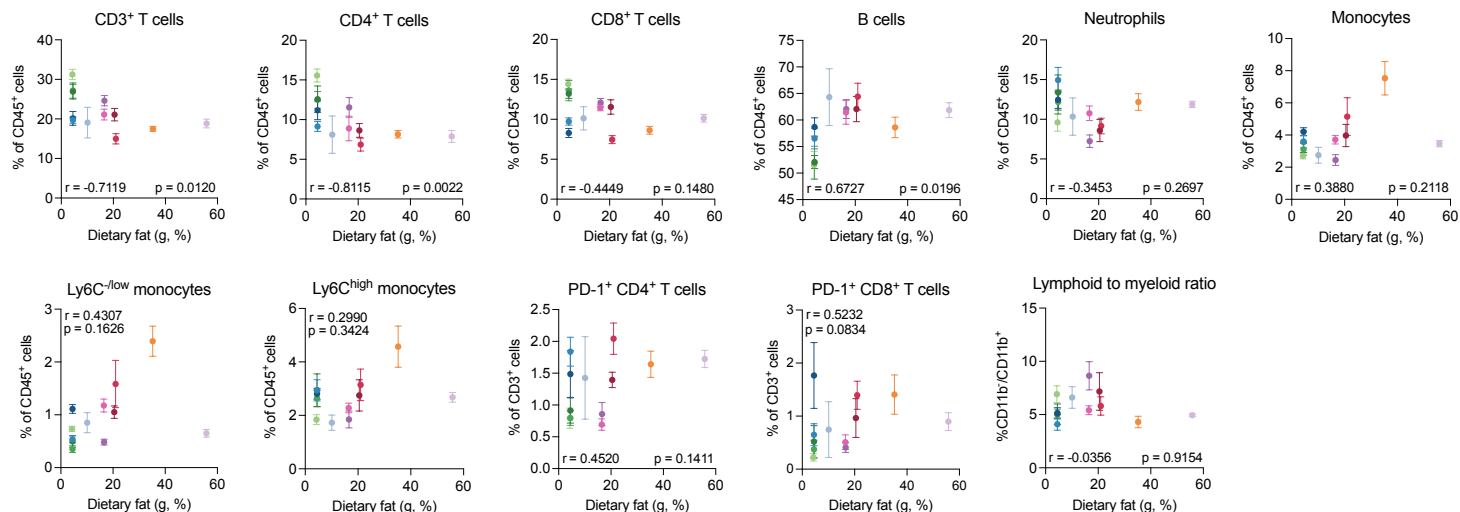


Baseline vs Metabolic score

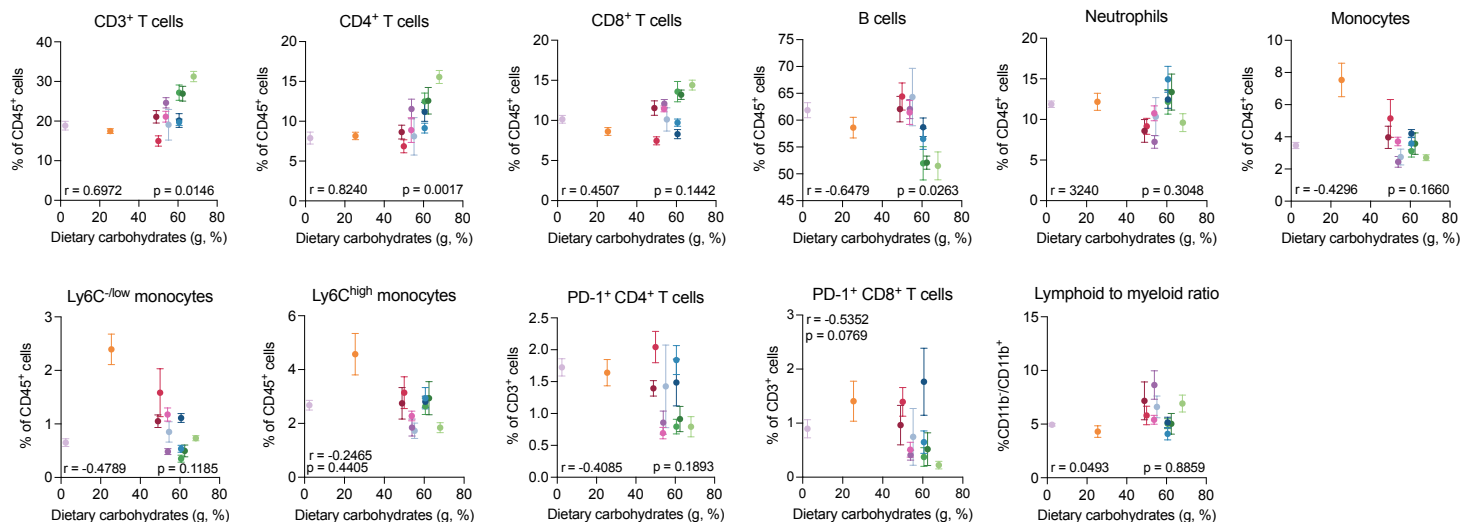


Japanese Pectin Inulin Low Fat Psyllium Vegan Ketogenic American Aspartame Western Mediterranean High Fat

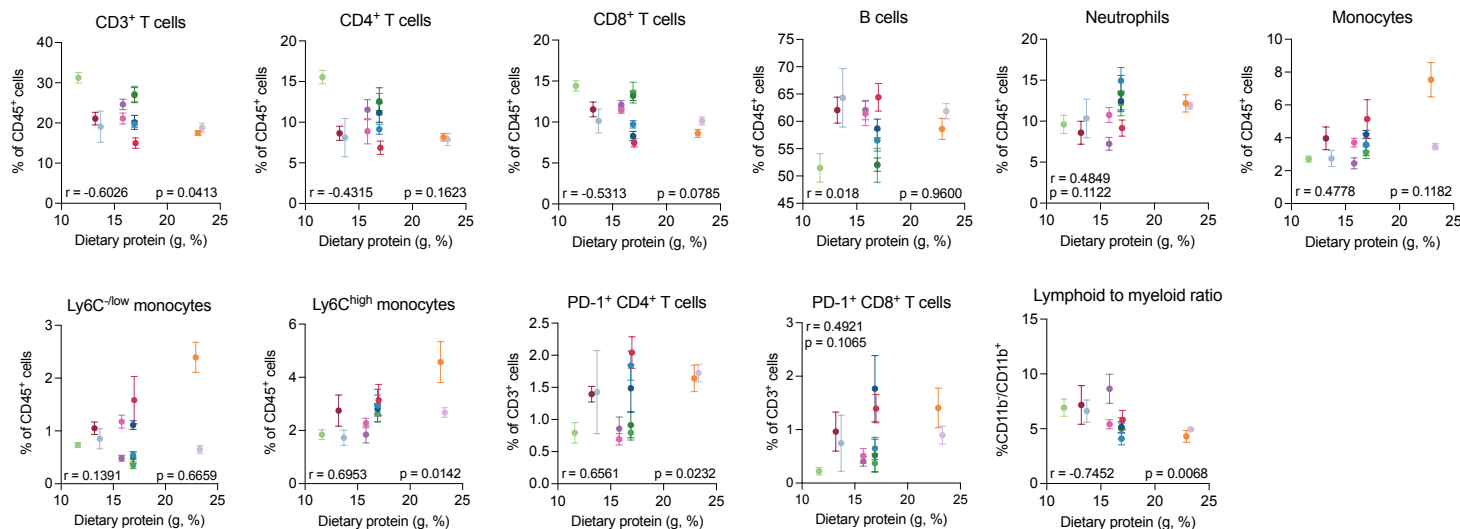
Baseline vs Dietary fat (g)



Baseline vs Dietary carbohydrates (g)

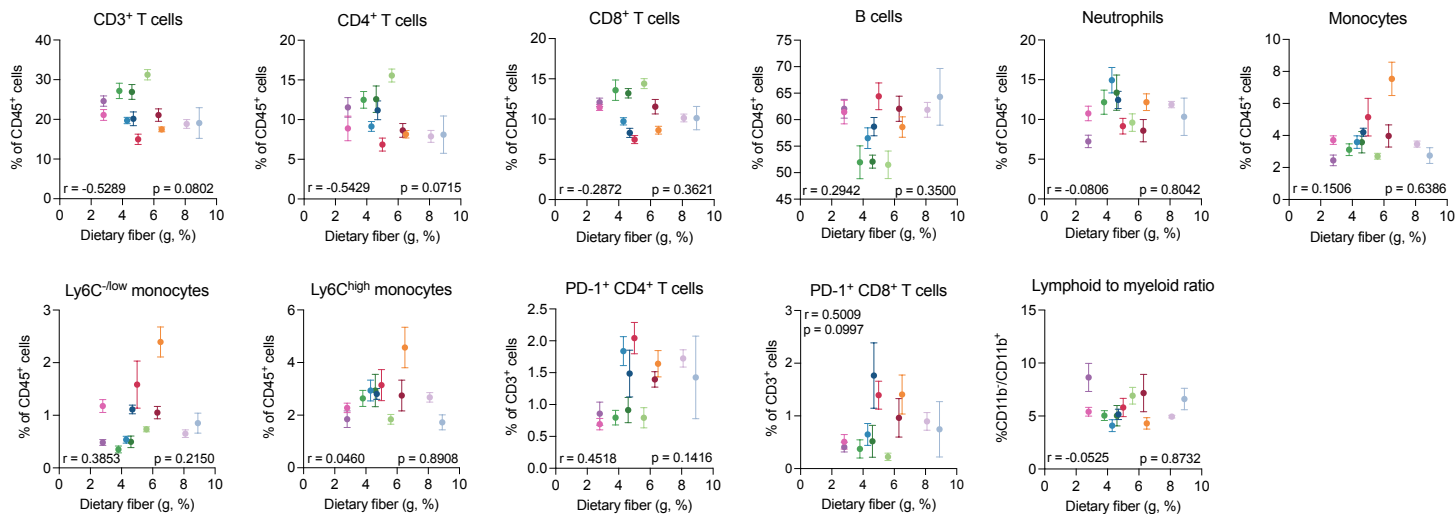


Baseline vs Dietary protein (g)

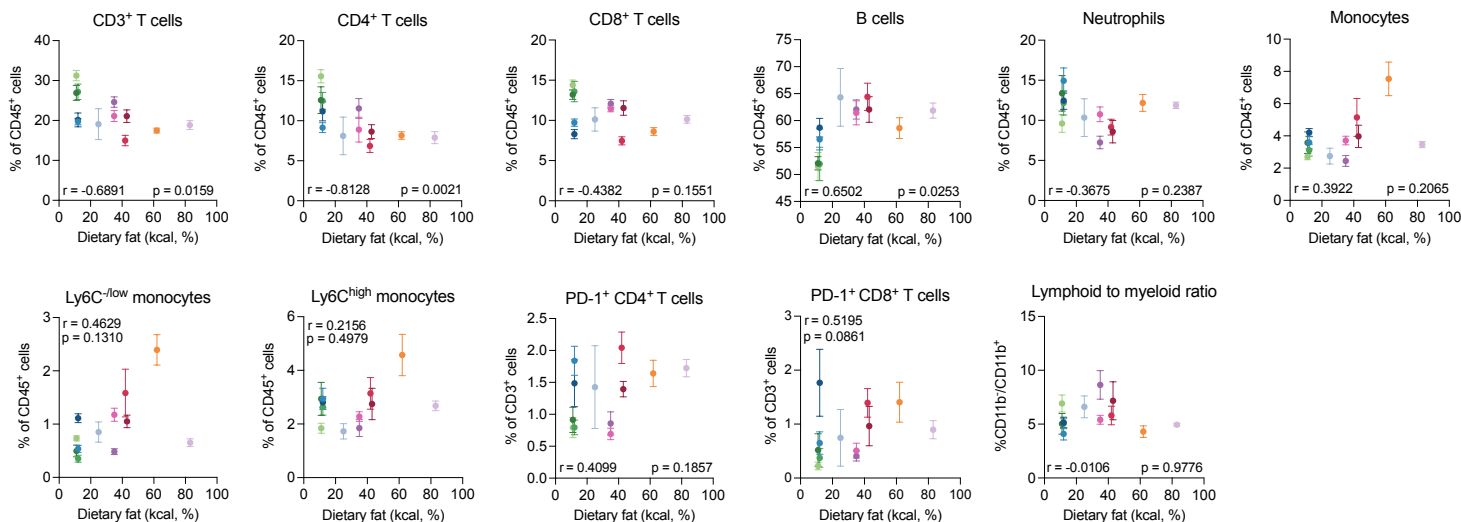


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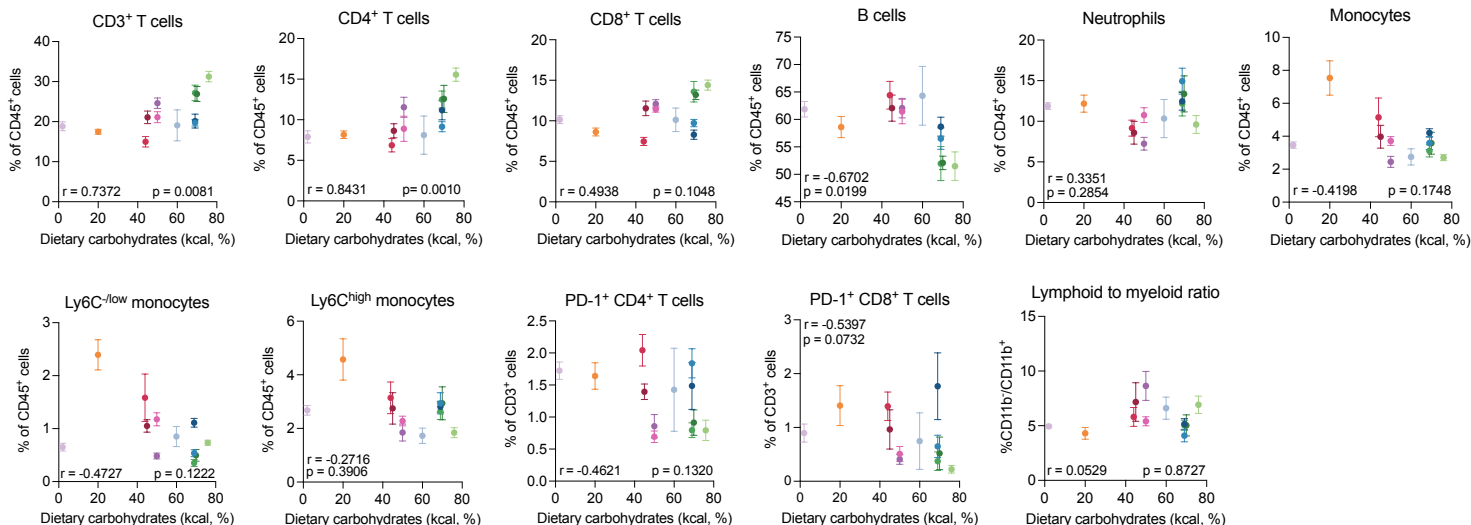
Baseline vs Dietary fiber (g)



Baseline vs Dietary fat (kcal)

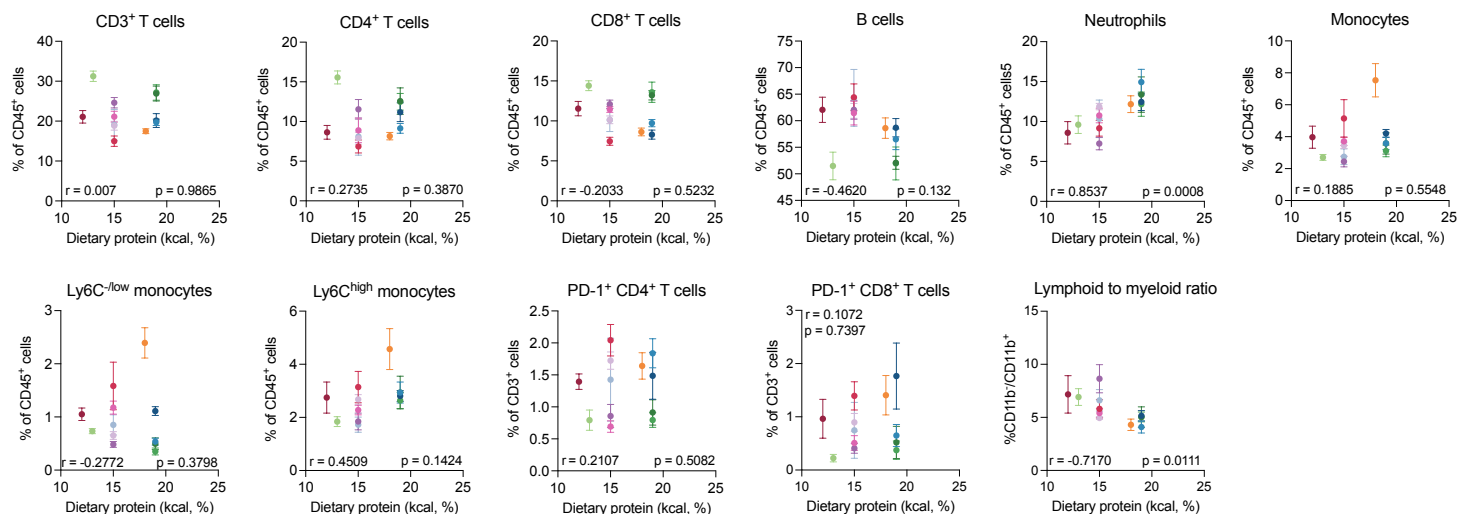


Baseline vs Dietary carbohydrates (kcal)

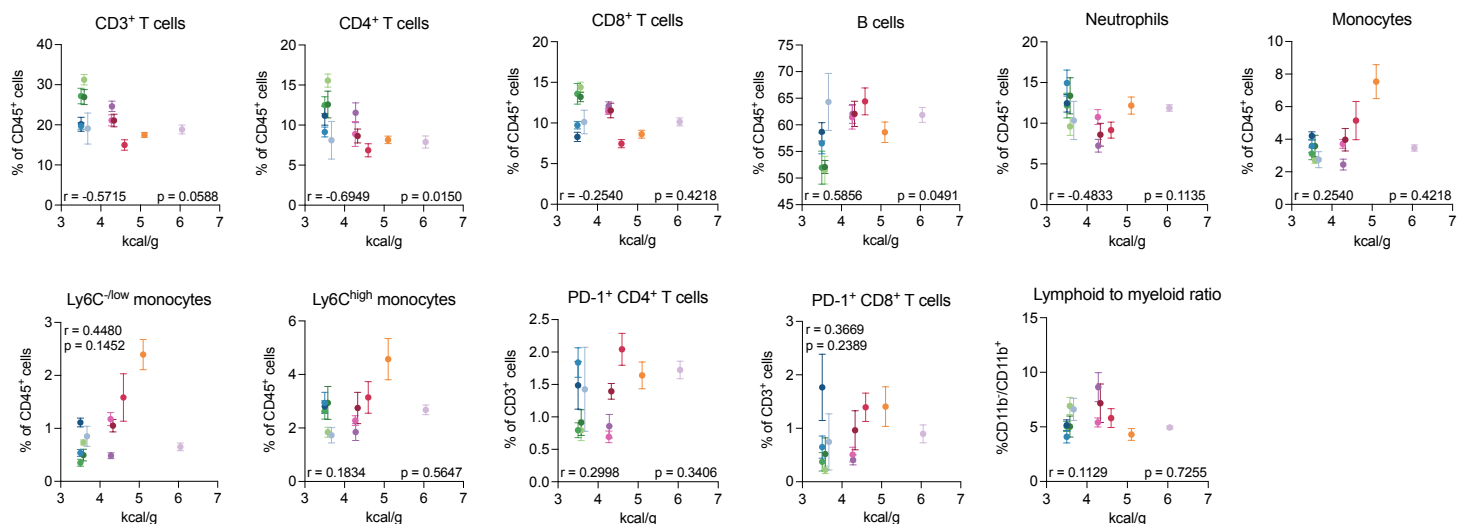


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Baseline vs Dietary protein (kcal)



Baseline vs Dietary kcal/g

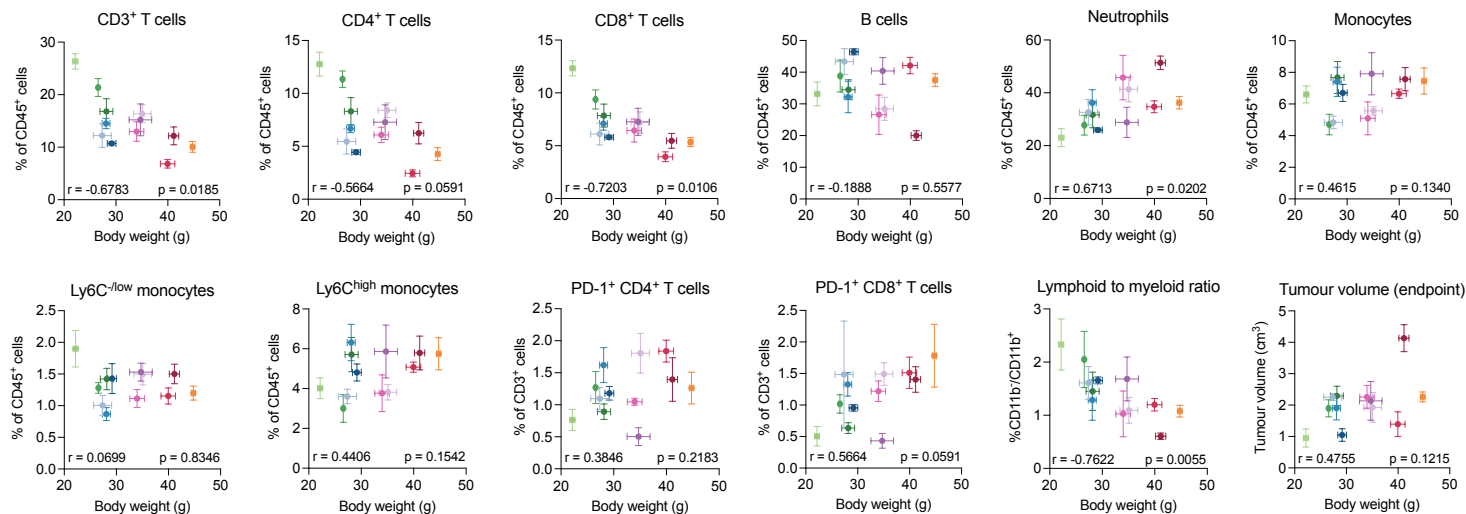


Japanese Pectin Inulin Low Fat Psyllium Vegan Ketogenic American Aspartame Western Mediterranean High Fat

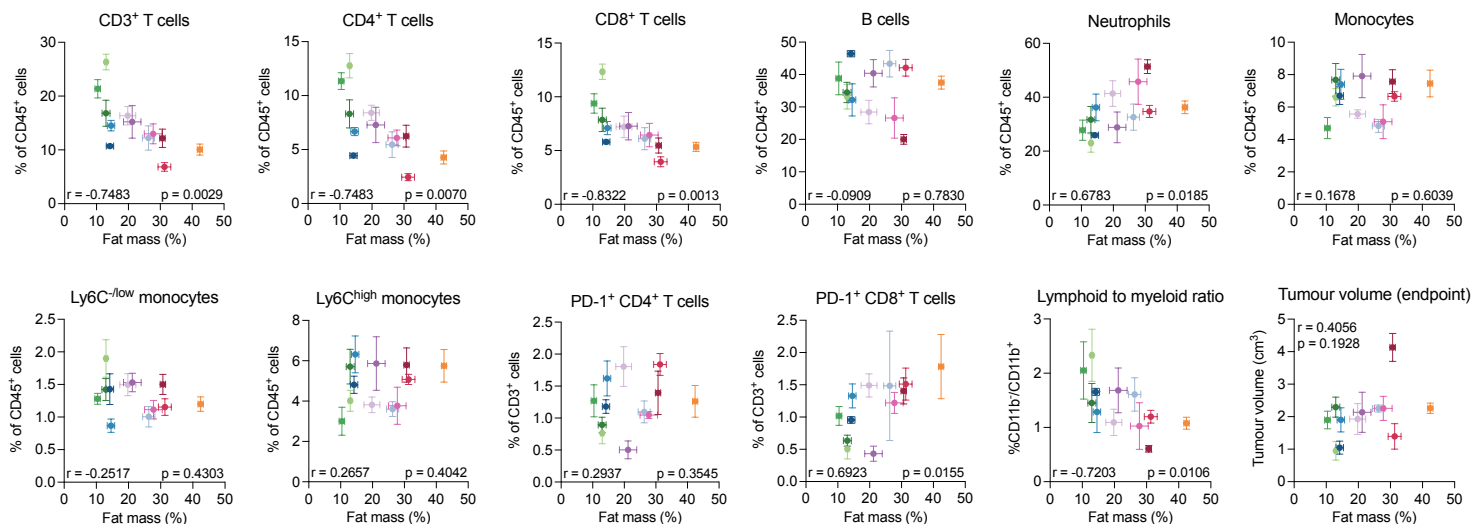
Supplementary Figure 1. Correlations between blood immune populations and metabolic parameters and nutrient content at baseline non-tumour bearing mice.

Flow cytometry of peripheral blood after 15 weeks of diet feeding against metabolic parameters (body weight, fat mass, GTT, serum insulin, serum leptin, metabolic score) and dietary content (carbohydrates, fat, protein, fiber, kcal/g). See Supplementary Table 12 for n-values.

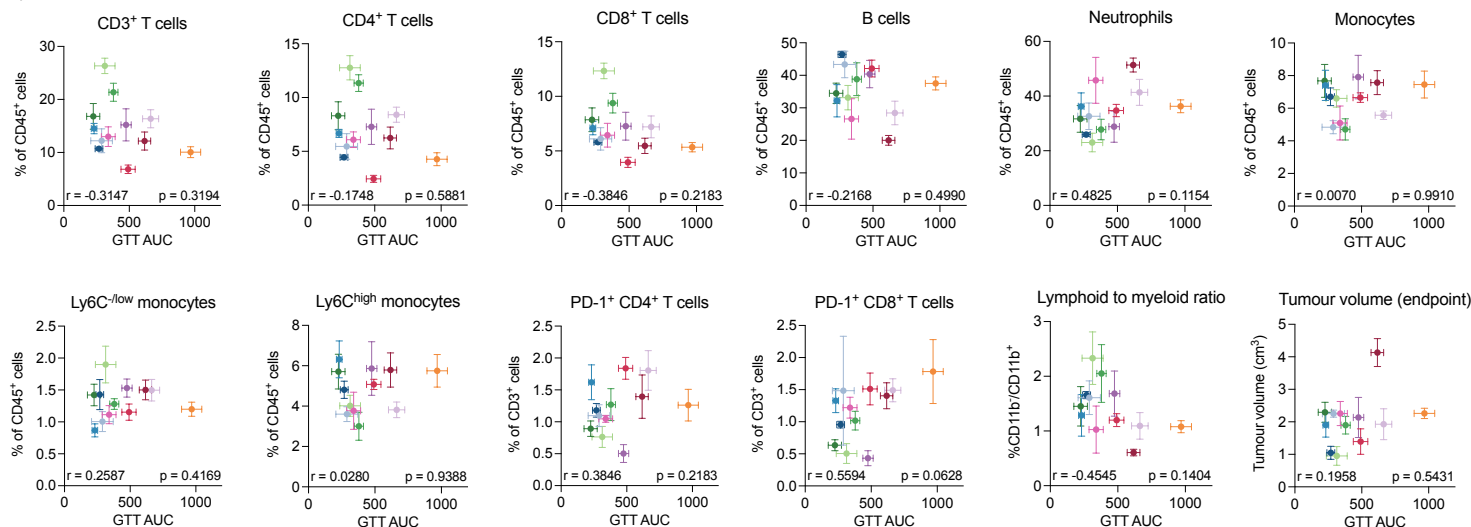
Endpoint vs Body weight



Endpoint vs Fat mass

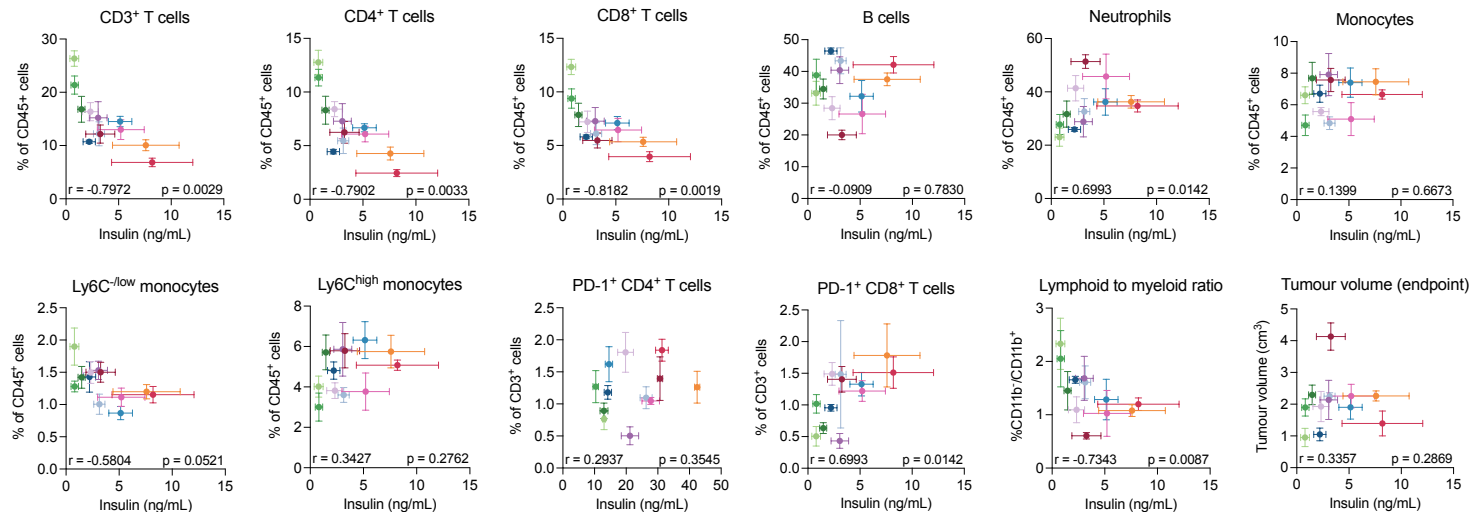


Endpoint vs GTT

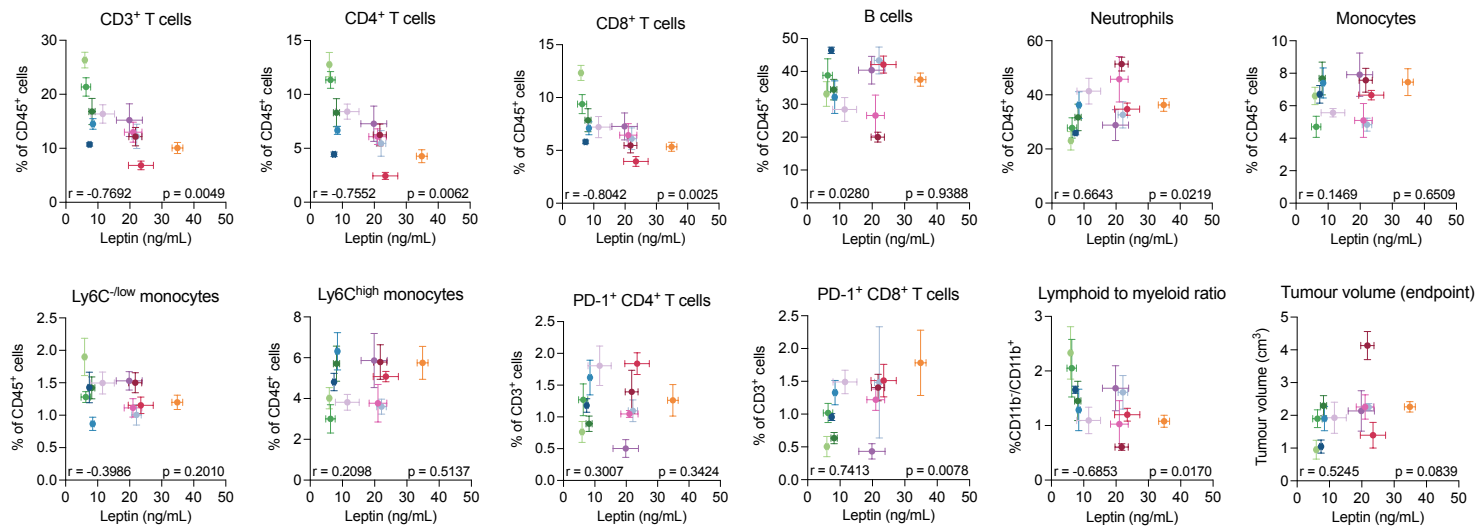


Japanese Pectin Inulin Low Fat Psyllium Vegan Ketogenic American Aspartame Western Mediterranean High Fat

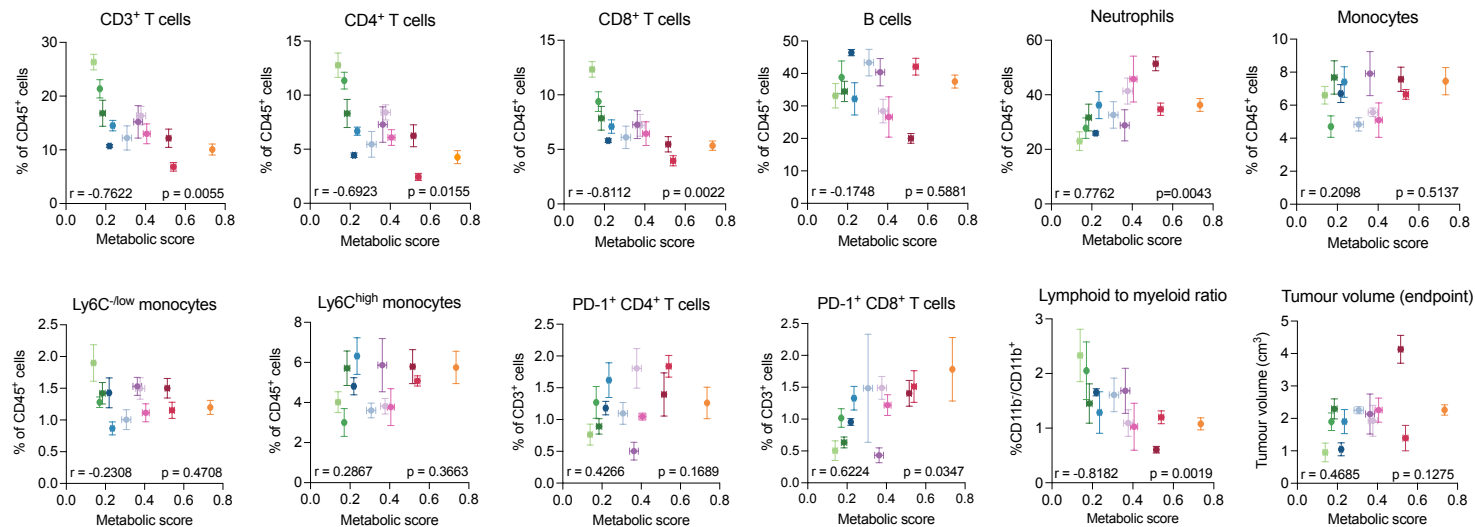
Endpoint vs Insulin



Endpoint vs Leptin

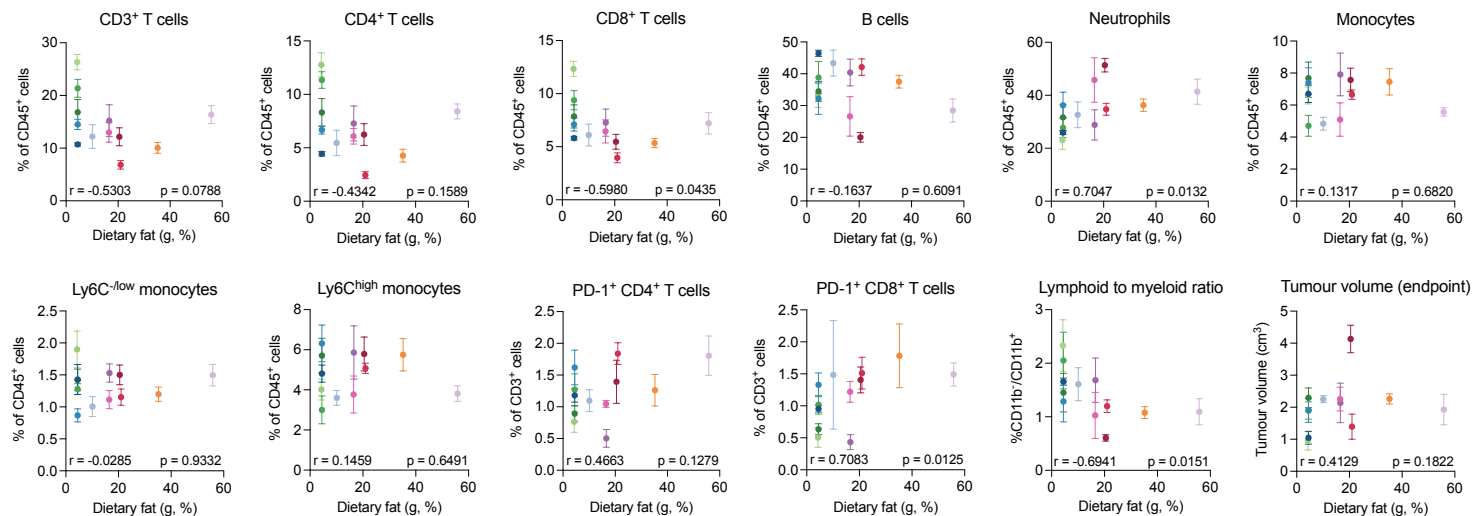


Endpoint vs Metabolic score

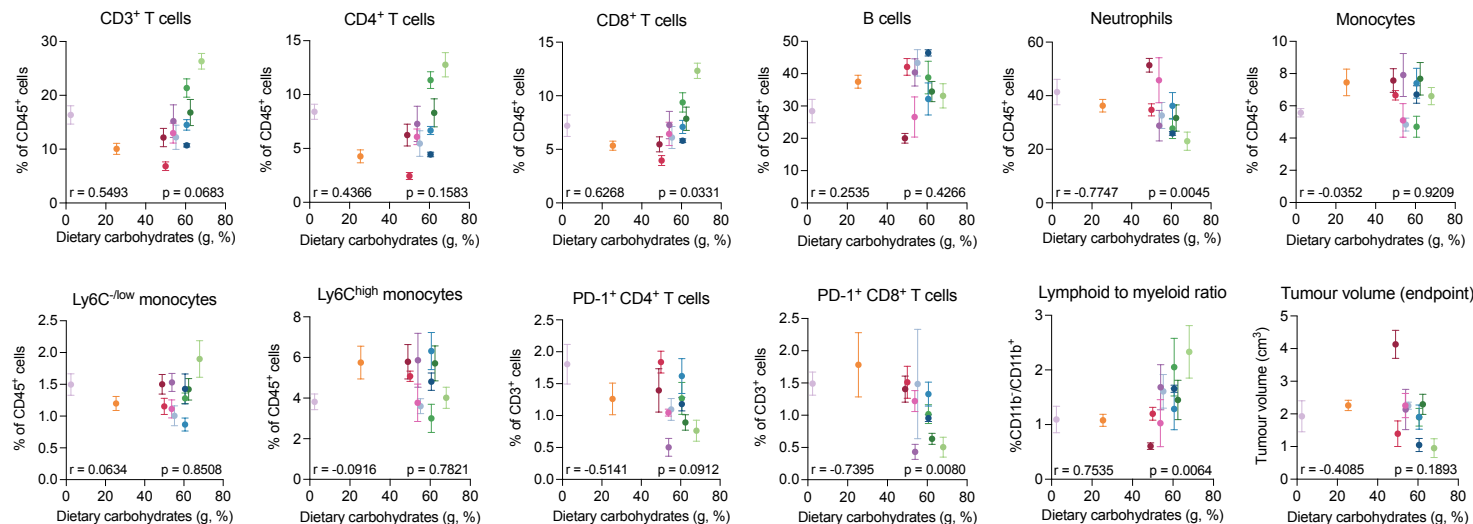


Japanese Pectin Inulin Low Fat Psyllium Vegan Ketogenic American Aspartame Western Mediterranean High Fat

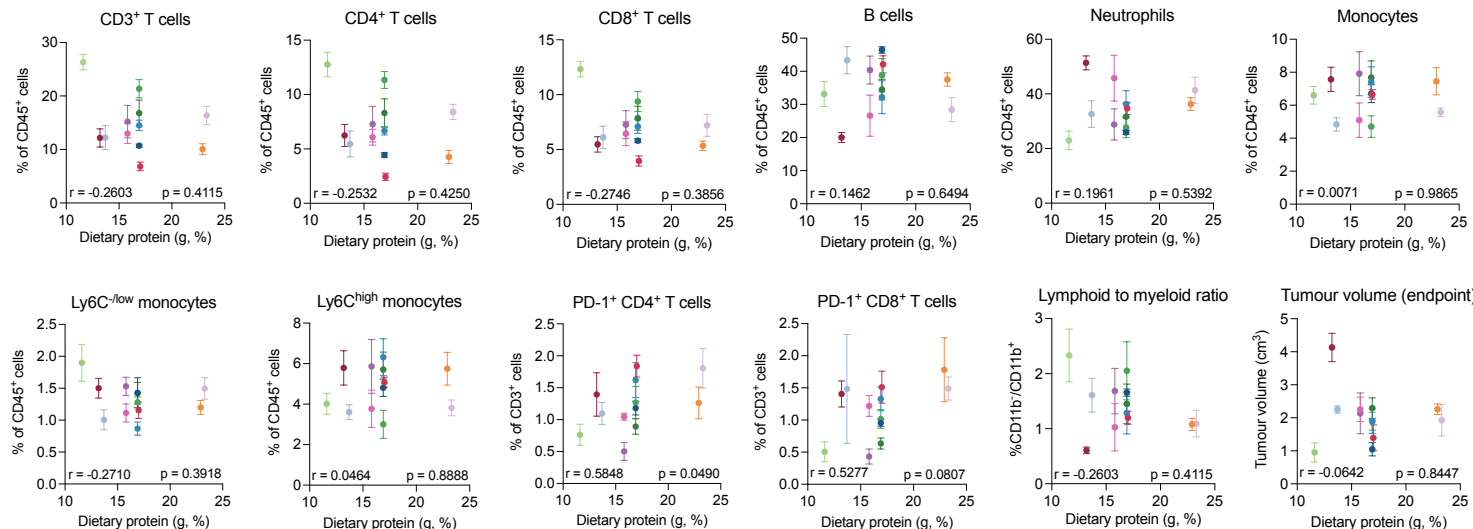
Endpoint vs Dietary fat (g)



Endpoint vs Dietary carbohydrates (g)

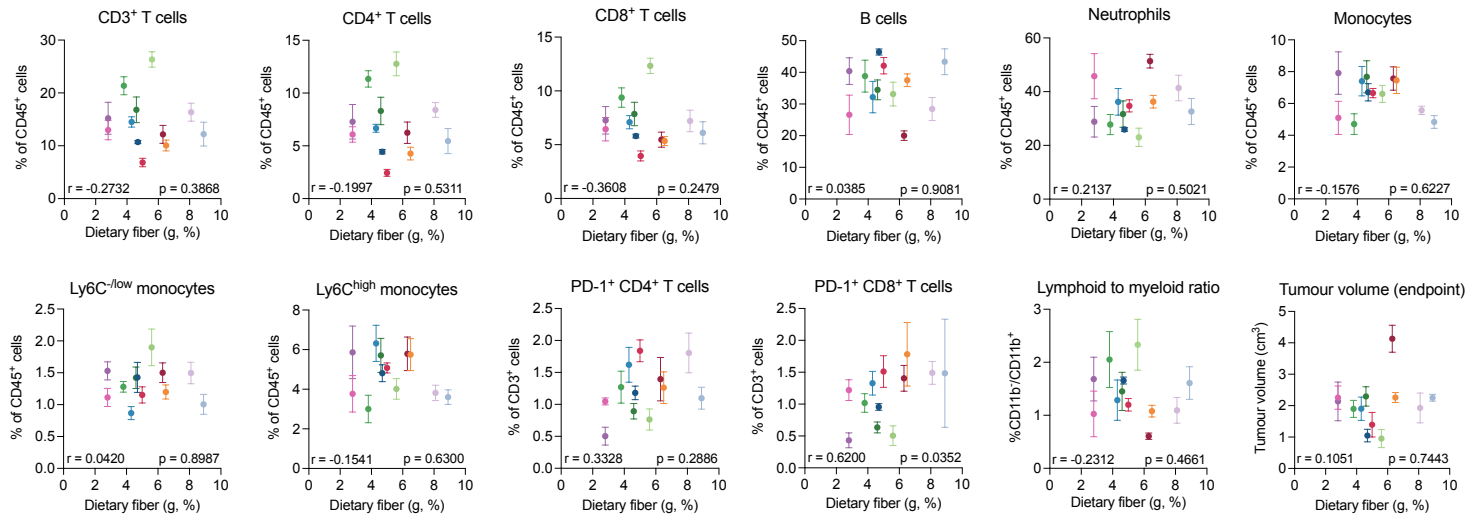


Endpoint vs Dietary protein (g)

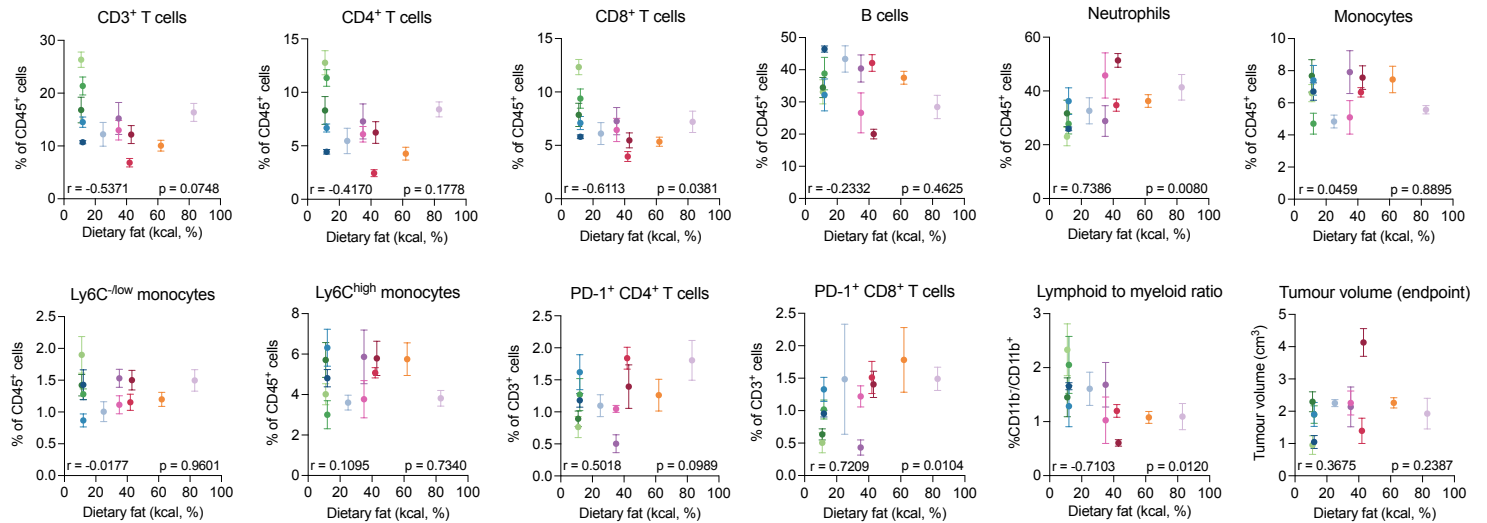


Legend: Japanese, Pectin, Inulin, Low Fat, Psyllium, Vegan, Ketogenic, American, Aspartame, Western, Mediterranean, High Fat

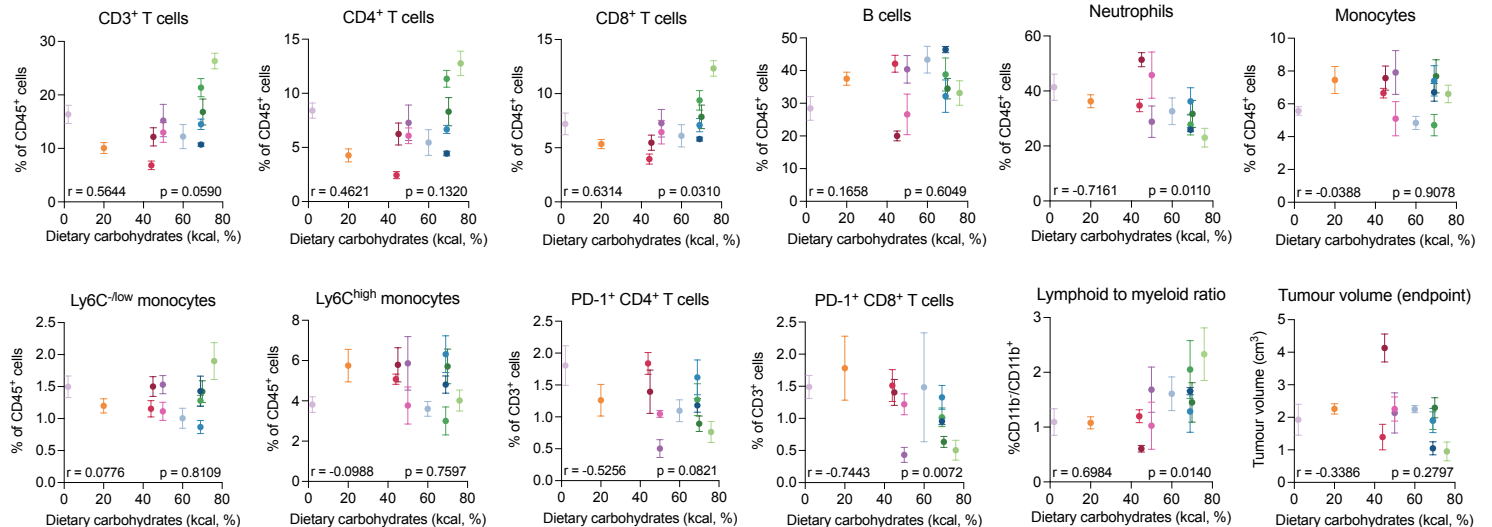
Endpoint vs Dietary fiber (g)



Endpoint vs Dietary fat (kcal)

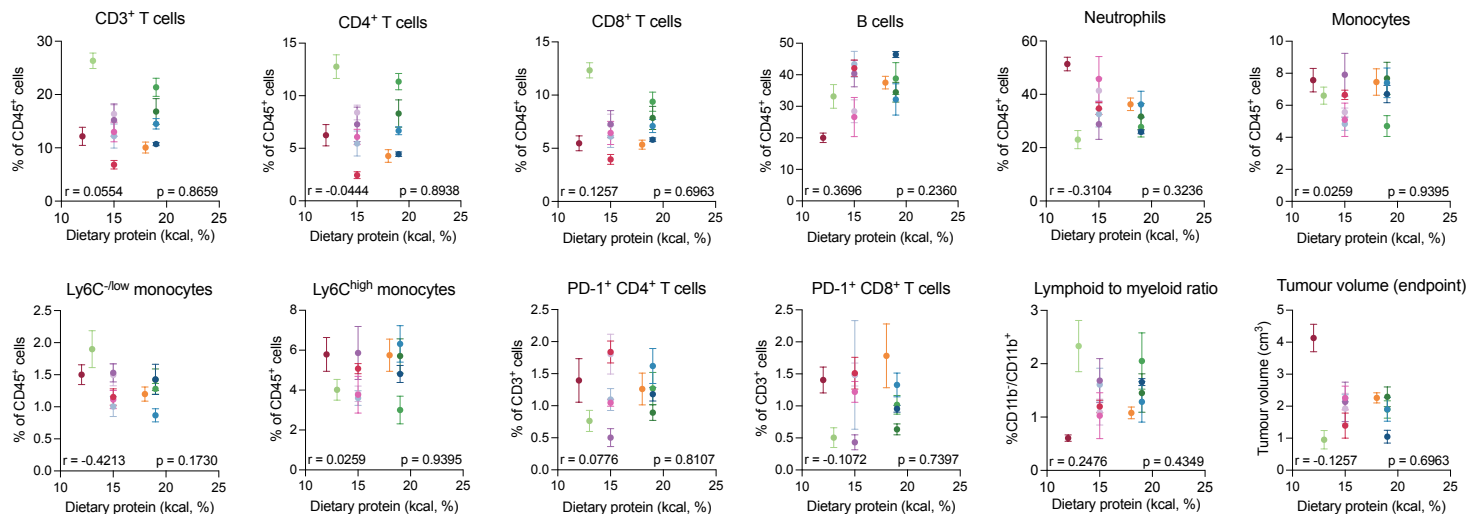


Endpoint vs Dietary carbohydrates (kcal)

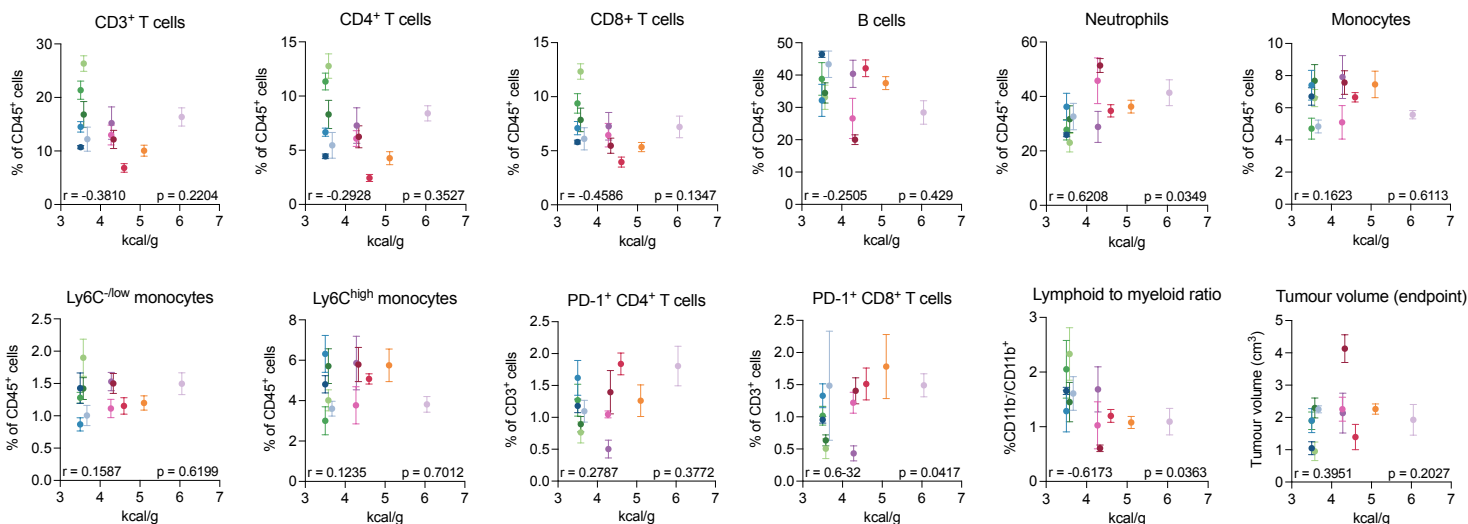


Legend: Japanese, Pectin, Inulin, Low Fat, Psyllium, Vegan, Ketogenic, American, Aspartame, Western, Mediterranean, High Fat

Endpoint vs Dietary protein (kcal)



Endpoint vs Dietary kcal/g



Japanese Pectin Inulin Low Fat Psyllium Vegan Ketogenic American Aspartame Western Mediterranean High Fat

Supplementary Figure 2. Correlations between circulating immune populations versus metabolic parameters and nutrient content in tumour-bearing mice at endpoint.

Flow cytometry of peripheral blood at endpoint after 15 weeks of diet feeding against metabolic parameters (body weight, fat mass, GTT, serum insulin, serum leptin, metabolic score) and dietary content (carbohydrates, fat, protein, fiber, kcal/g). See Supplementary Table 12 for n values.