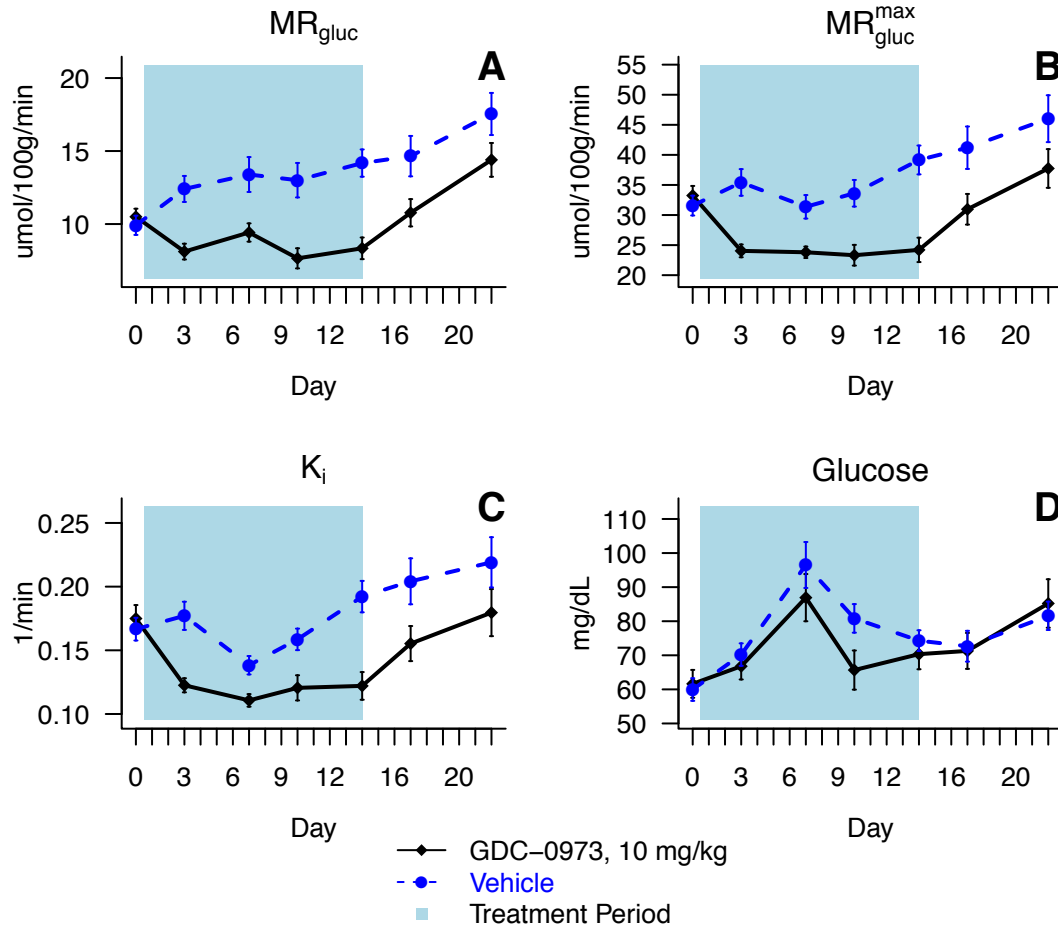


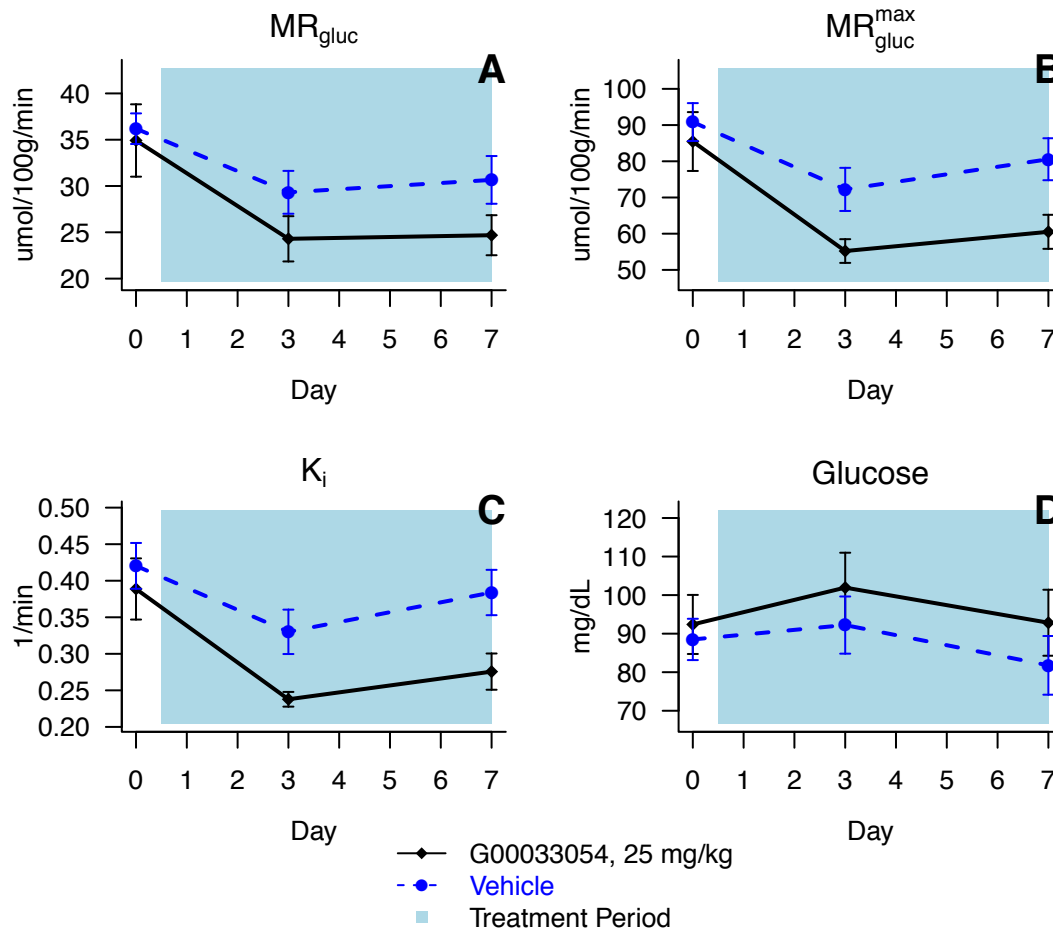
Additional File 1 – FDG PET data in vivo
for the three true treatment studies

FDG-PET response of HCT116 colorectal tumors treated with GDC-0973 (10 mg/kg, P.O. daily)



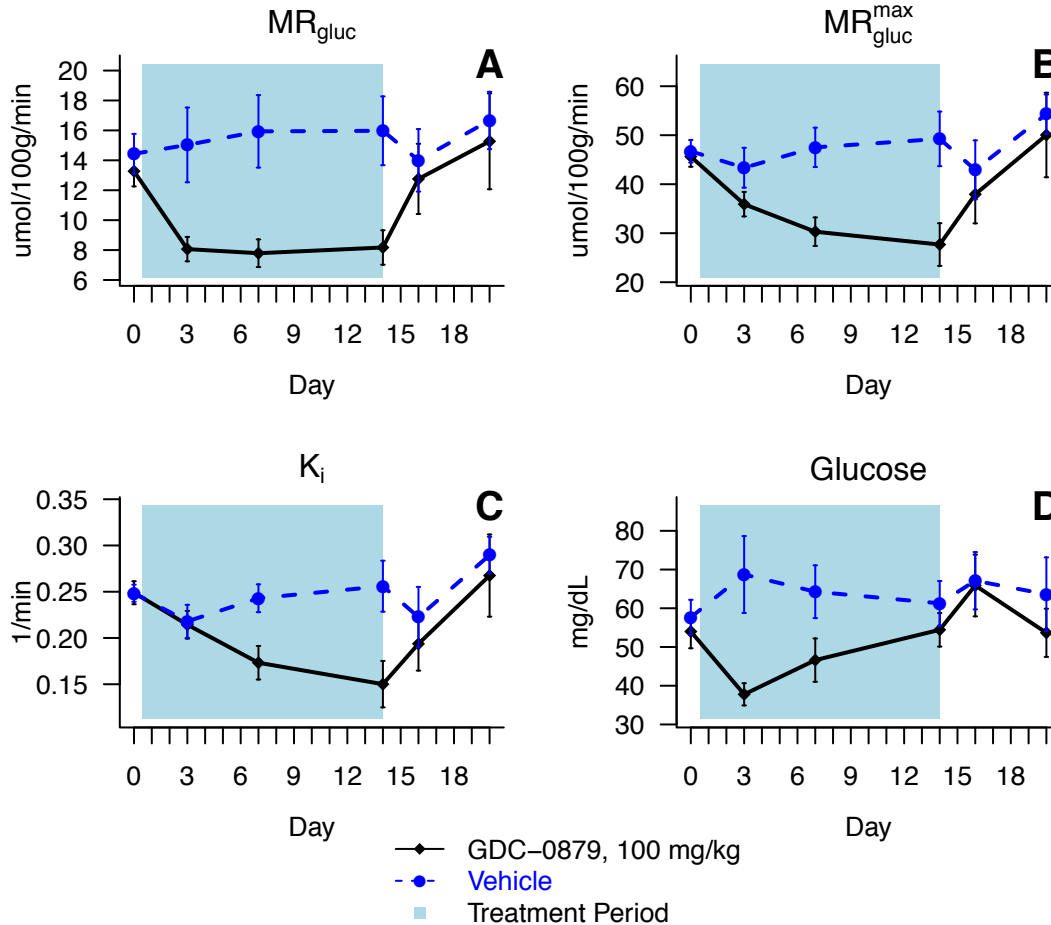
Note: Normal fasting procedure is to move the animals into a clean cage with no food. The day 7 spike in glucose levels was caused by erroneously leaving the animals in their old cages while simply removing the food basket – evidently this is less effective.

FDG-PET response of A2058 melanoma treated with G00033054 (25 mg/kg, P.O. daily)



Longitudinal study of A2058 melanoma tumors in 9 mice per group studies over 7 days. The panels show the behavior of MR_{gluc} (A), MR_{gluc}^{max} (B), K_i (C), and blood glucose (D).

FDG-PET response of A375 melanoma tumors treated with GDC-0879 (100 mg/kg, P.O. daily)



Note: On day 3, treatment groups showed very different glucose numbers between each other. Since the systematic glucose bias is present in both treatment groups in opposite directions, MR_{gluc} detected an apparent treatment effect, while K_i does not detect any difference at all.