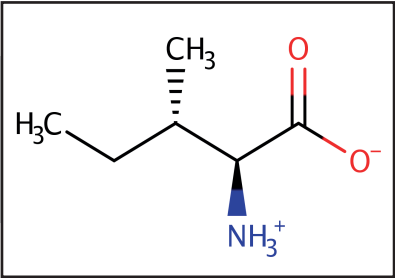


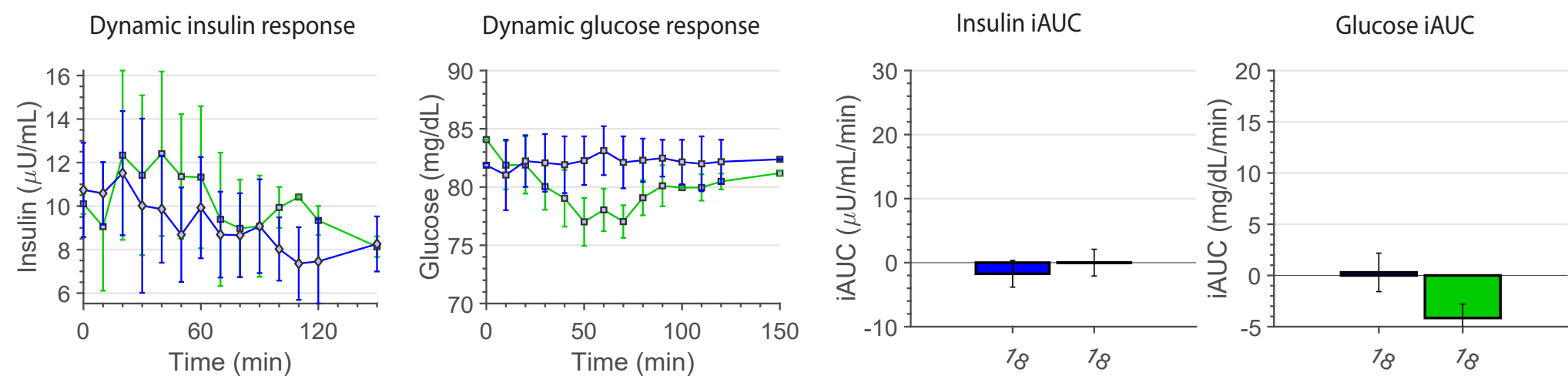
Effect of isoleucine intake on glucose and insulin dynamics



A Oral isoleucine ingestion

First author	Subject condition	Amount administered	Ingestion type	# Subjects	Insulin time points	Insulin time to peak (min)	Insulin peak concentration (μU/mL)	Glucose time points	Glucose time to peak (min)	Glucose peak concentration (mg/dL)
[18] Nuttal, FQ	Healthy	Water	Oral	9	14	20	11.5	14	60	83.1
	Healthy	7.4g isoleucine	Oral	9	14	40	12.4	14	0	84.1

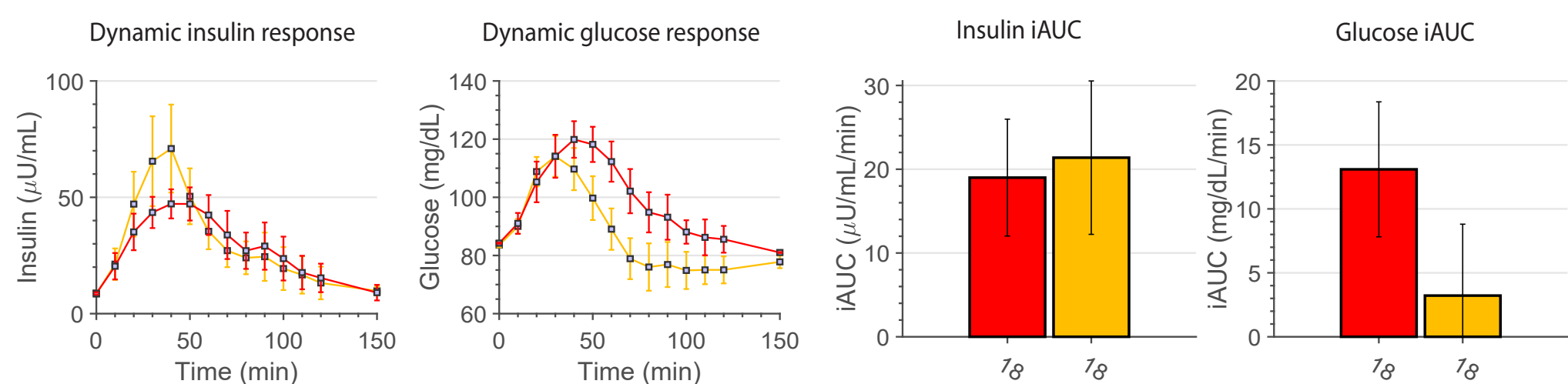
Healthy - water
Healthy - isoleucine



B Oral isoleucine+glucose ingestion

First author	Subject condition	Amount administered	Ingestion type	# Subjects	Insulin time points	Insulin time to peak (min)	Insulin peak concentration (μU/mL)	Glucose time points	Glucose time to peak (min)	Glucose peak concentration (mg/dL)
[18] Nuttal, FQ	Healthy	25g glucose	Oral	9	14	40	47.2	14	40	119.9
	Healthy	7.4g isoleucine + 25g glucose	Oral	9	14	40	70.9	14	30	114.1

Healthy - glucose
Healthy - isoleucine+glucose



C Intravenous isoleucine infusion

First author	Subject condition	Amount administered	Ingestion type	# Subjects	Insulin time points	Insulin time to peak (min)	Insulin peak concentration (μU/mL)	Glucose time points	Glucose time to peak (min)	Glucose peak concentration (mg/dL)
No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

*iAUC: Incremental area under the curve
**iAUC, time to peak and peak concentrations were calculated from the extracted data