

Online only Supplemental Figures - legends

Figure S1 – absolute values insulin, glucagon and glucose in controls without diabetes and *KCNJ11* cases in response to carbohydrate and protein meals. Values shown are medians.

Figure S2 - ratio of total AUC_{0-4h} insulin / total AUC_{0-4h} glucose. Controls are shown in grey (diamonds are individuals and lines are group medians). *KCNJ11* cases are shown in black (circles are individuals and lines are group medians).

Figure S3 – paracetamol absorption curves in controls and cases with the carbohydrate (blue) and protein/fat (orange) meals

Figure S4 – incremental glucose, insulin and glucagon in *KCNJ11* cases with sulfonylurea only in the absence of food in comparison to the carbohydrate and protein/fat meal. Values shown are medians.

Figure S5 - absolute glucose insulin, and glucagon and in *KCNJ11* cases with sulfonylurea only in the absence of food in comparison to the carbohydrate and protein/fat meal. Values shown are medians.