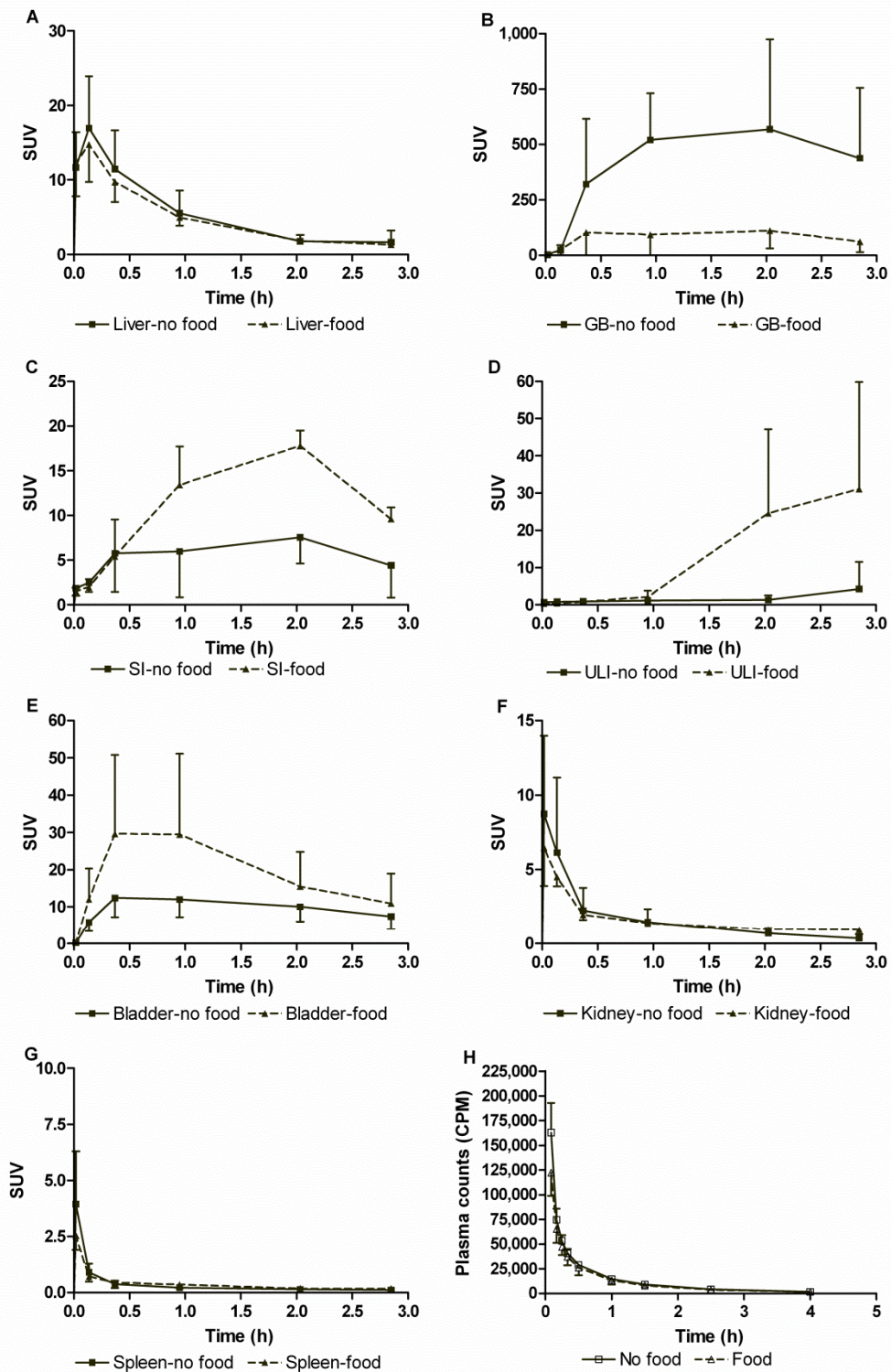**SUPPLEMENTAL FIGURE 1:** Representative bladder fits for a subject. (**A**) The measured image and urine sample derived time activity curves (TACs) for one subject and the fitted function Eq. 2 (both shown uncorrected for radioactive decay). The fitted functions extrapolated to the following voiding scenarios: complete bladder voids (**B**) every hour, (**C**) every 2 hours, and (**D**) every 4 hours post tracer administration.

SUPPLEMENTAL FIGURE 2: Mean time-activity curves (TACs; normalized to injected activity

(kBq), body weight (grams) and uncorrected for radioactive decay) and plasma ^{18}F radioactivity

concentrations for ^{18}F-ICMT-11 in subjects who had a meal and in subjects who did not have a meal prior to tracer injection. There was a difference in the TAC profiles of (**A**) Liver, (**B**) Gall Bladder, (**C**) Small intestine, (**D**) Upper large intestine and (**E**) Urinary bladder, but no difference in the (**F**) Kidneys, (**G**) Spleen or the (**H**) plasma ^{18}F radioactivity concentrations. Error bars represent one standard deviation from the mean and are shown one-sided for clarity.