



Figure S2. Metformin plasma concentration time profiles of control and DDI conditions using the lowest and geometric mean of K_i values of cimetidine obtained at differing β_{kidney} values after the administration of 250 mg metformin and 400 mg cimetidine. The K_i values for OCT1 and OCT2 were set as their respective geometric mean of *in vitro* K_i values, and β_{kidney} values were set as 0.1 (A), 0.3 (B), 0.5 (C) or 0.8 (D) for simulation. Black and blue circles represent the observed data under control and DDI conditions, respectively. Lines represent the simulation results of the control condition (black), the DDI condition using the geometric mean (blue) or the lowest (green) value of K_i values MATEs obtained *in vitro*.