Figure S1.

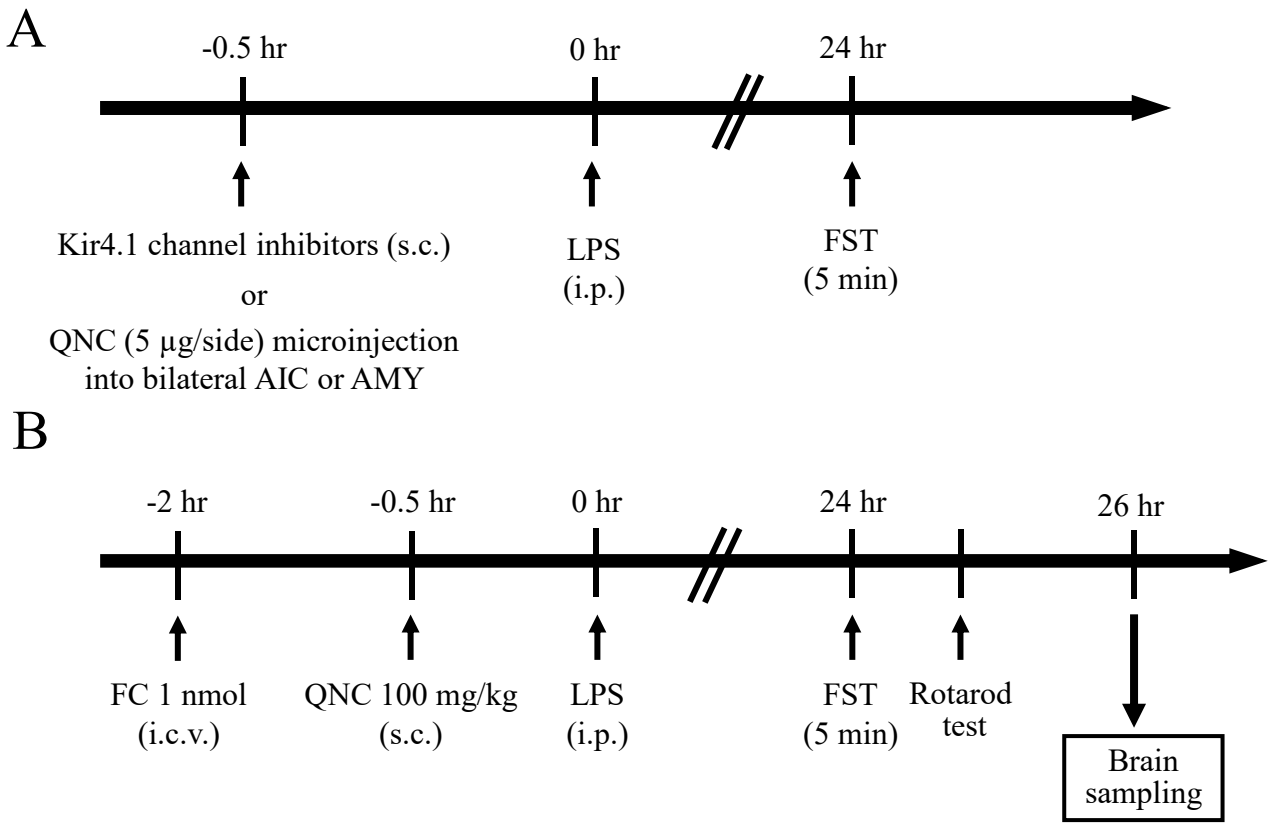

Figure S1. Protocols for evaluating the: (A) effect of Kir4.1 channel inhibitors on lipopolysaccharide (LPS)-induced depression-like behavior, and (B) effect of fluorocitrate injection on antidepressant-like action of quinacrine (QNC).

(A) Systemic administration of Kir4.1 channel inhibitors and microinjection of QNC were performed 30 min before LPS treatment. The forced swim test (FST) was conducted 24 h after LPS treatment. AIC, agranular insular cortex; AMY, amygdala. (B) Intracerebroventricular (i.c.v.) injection of fluorocitrate (FC) was performed 2 h before LPS treatment, and QNC was administered 30 min before LPS administration. FST was performed 24 h after LPS administration, followed by the rotarod test. Brain samples were obtained 2 h after FST and subjected to immunohistochemical analysis of c-Fos protein expression.