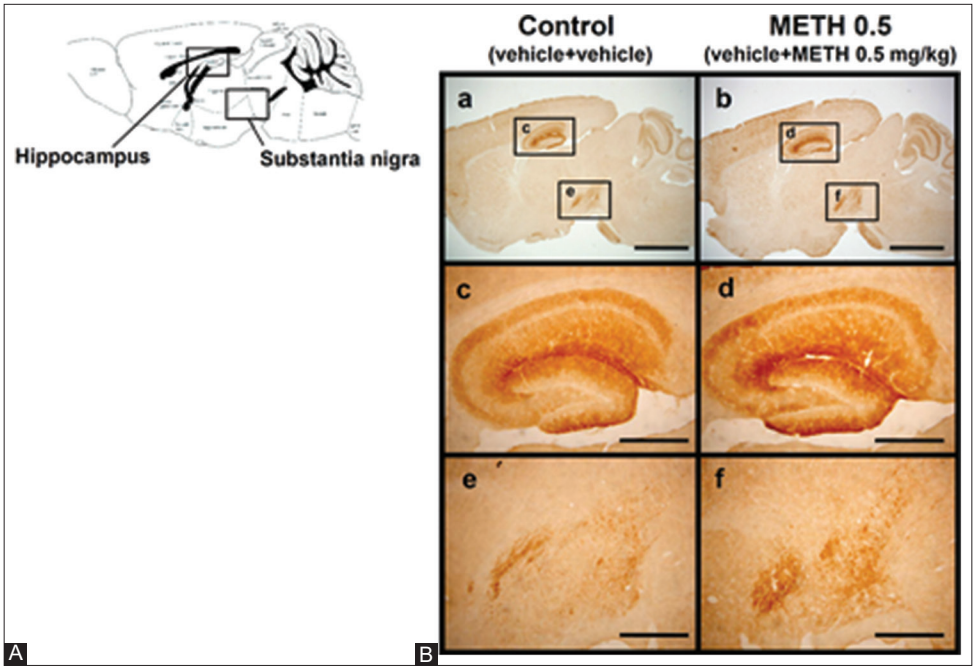
SUPPLEMENTARY FIGURE



Supplementary Figure 1: G protein-coupled inwardly rectifying potassium 2 (GIRK2) immunohistochemistry in the brain after methamphetamine injection. (A) Brain atlas showing hippocampus and substantia nigra. (B) Brain sections of GIRK2 immunohistochemistry of control (vehicle, s.c. + vehicle, s.c.) mice (a, c, e) and methamphetamine 0.5 (vehicle, s.c. + methamphetamine 0.5 mg/kg, s.c.) mice (b, d, f). In supplementary figure 1B, (c) and (e) indicated by small squares in (a), and (d) and (f) indicated by small squares in (b). The immunohistochemistry of GIRK2 is higher at methamphetamine 0.5 mg/kg than that of the control. The brain was removed at 180 min after injection of methamphetamine. Scale bars indicate 2 mm (a and b), 500 μm (c-f). METH: Methamphetamine.

SUPPLEMENTARY MATERIALS AND METHODS

Oligonucleotides

The following oligonucleotides were utilised in the present study (semiquantitative reverse transcription-polymerase chain reaction): mouse GIRK1 (fragment size, 453bp; GenBank accession number NM_008426), upstream, 5′-ACC TGA ACA AAG CCC ATG TC-3′; downstream, 5′-GTT GAT CGG CCC CTG TAC TA-3′; mouse GIRK2 (fragment size, 456 bp; GenBank accession number NM_010606), upstream, 5′-CAA CGC CTT CAT GGT AGG AT-3′; downstream, 5′-CCC CAC AAG ATC TCA CTG GT-3′; mouse GIRK3 (fragment size, 259 bp; GenBank accession number NM_008429), upstream, 5′-CGT CTC ACC TCT CGT CAT CA-3′; downstream, 5′-CTC AAA GGT TTC GTG GAA GC-3′; mouse TH (fragment size, 469 bp; GenBank accession number M69200), upstream, 5′-GCA CTA TGC CCA CCC CCA G-3′; downstream, 5′-TCG TCA GAC ACC CGA CGC A-3′; mouse D_1R (fragment size, 103 bp; GenBank accession number NM_010076), upstream, 5′-CTC ATA AGC TTT TAC ATC CCC G-3′; downstream, 5′-CCC TCT CCA AAG CTG AGA TG-3′; mouse D_2R (fragment size, 241 bp; GenBank accession number NM_010077), upstream, 5′-TCG CCA TTG TCT GGG TCC TGT-3′; downstream, 5′-TGC CCT TGA GTG GTG TCT TCA-3′; mouse β-actin (fragment size, 540 bp; GenBank accession number M12481), upstream, 5′-GTG GGC CGC TCT AGG CAC CAA-3′; downstream, 5′-CTC TTT GAT GTC ACG CAC GAT TTC-3′.