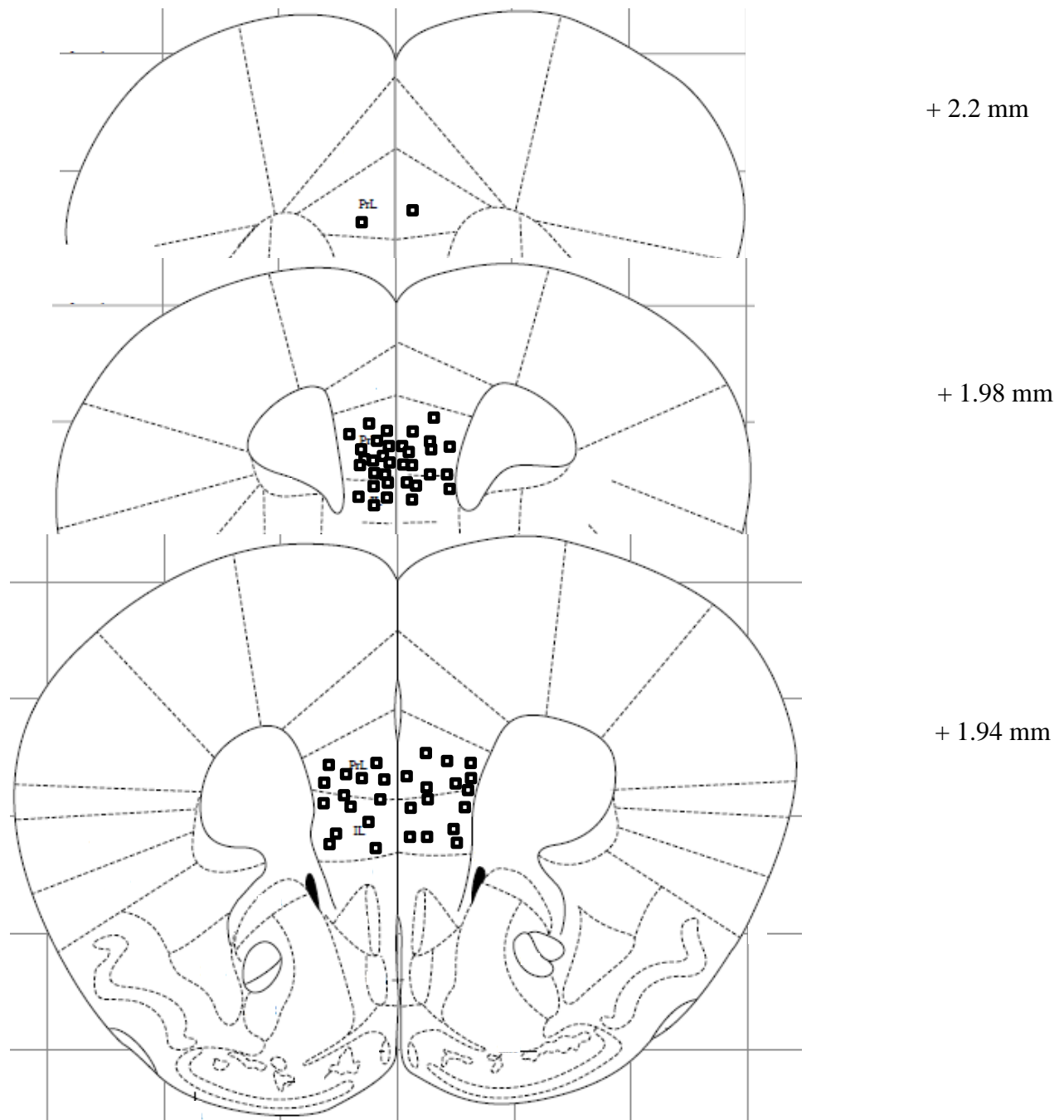


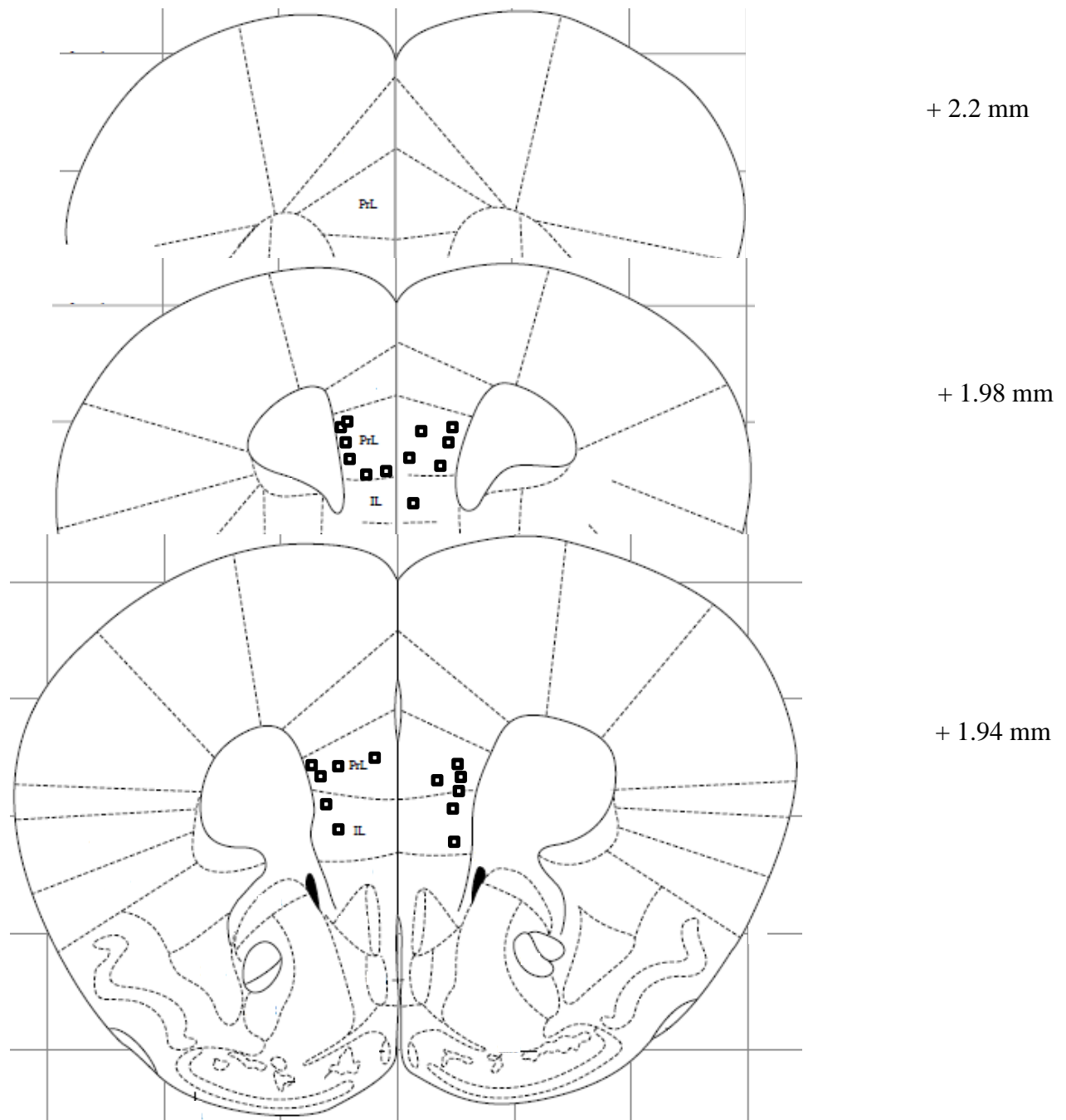
Figure S1



Location of the microinjection cannula tips in the mPFC included in the analyses of the data illustrated in Fig. 1E.

The line drawings are from Paxinos and Franklin (1997). The numbers to the right are the millimeters from the bregma. The open square represents the location of the microinjection cannula tips of the vehicle B and WAY100635-microinjection group.

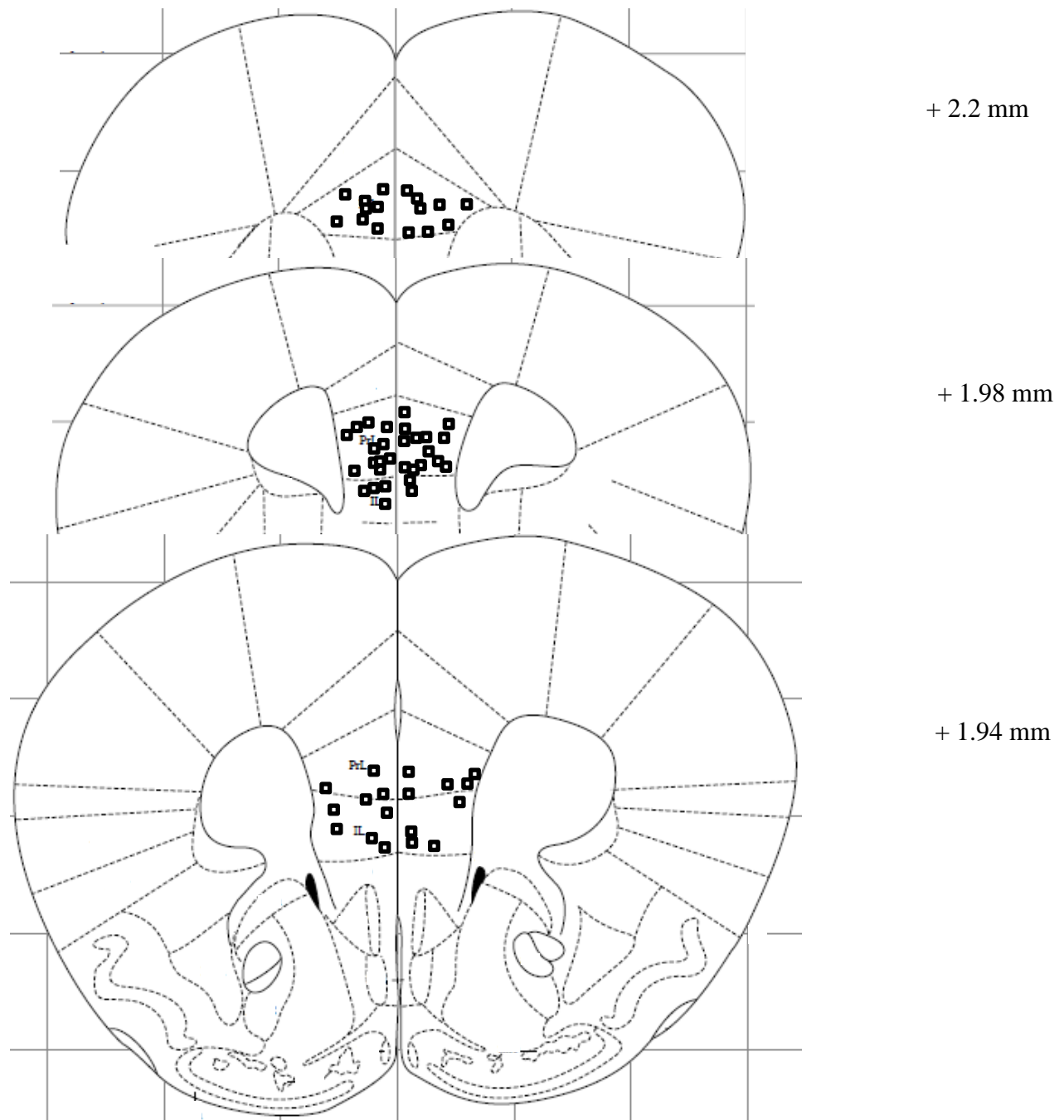
Figure S2



Location of the microinjection cannula tips in the mPFC included in the analyses of the data illustrated in Fig. 1F.

The line drawings are from Paxinos and Franklin (1997). The numbers to the right are the millimeters from the bregma. The open square represents the location of the microinjection cannula tips of the vehicle B and WAY100635-microinjection group.

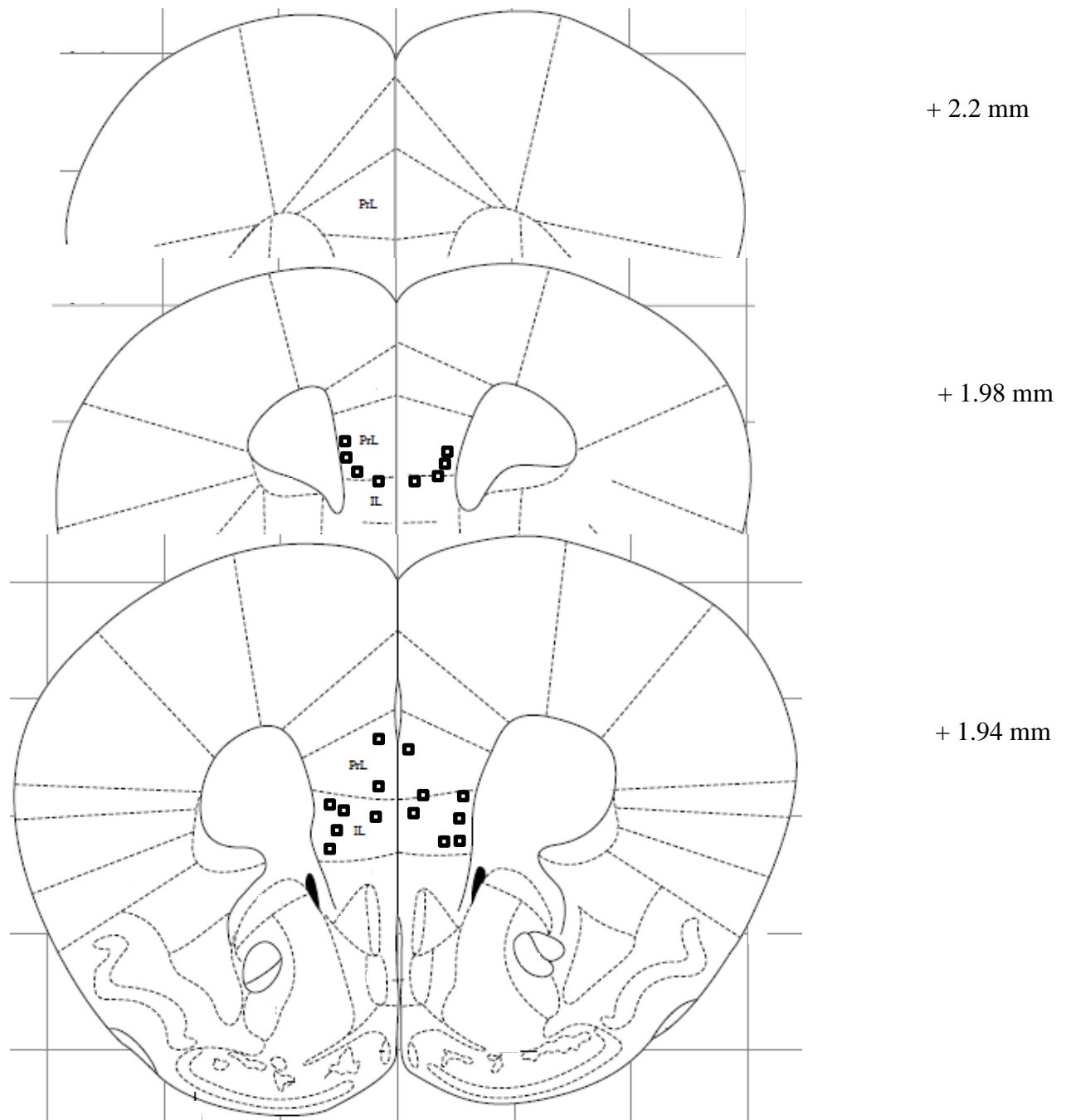
Figure S3



Location of the microinjection cannula tips in the mPFC included in the analyses of the data illustrated in Fig. 2E.

The line drawings are from Paxinos and Franklin (1997). The numbers to the right are the millimeters from the bregma. The open square represents the location of the microinjection cannula tips of the vehicle B and WAY100635-microinjection group.

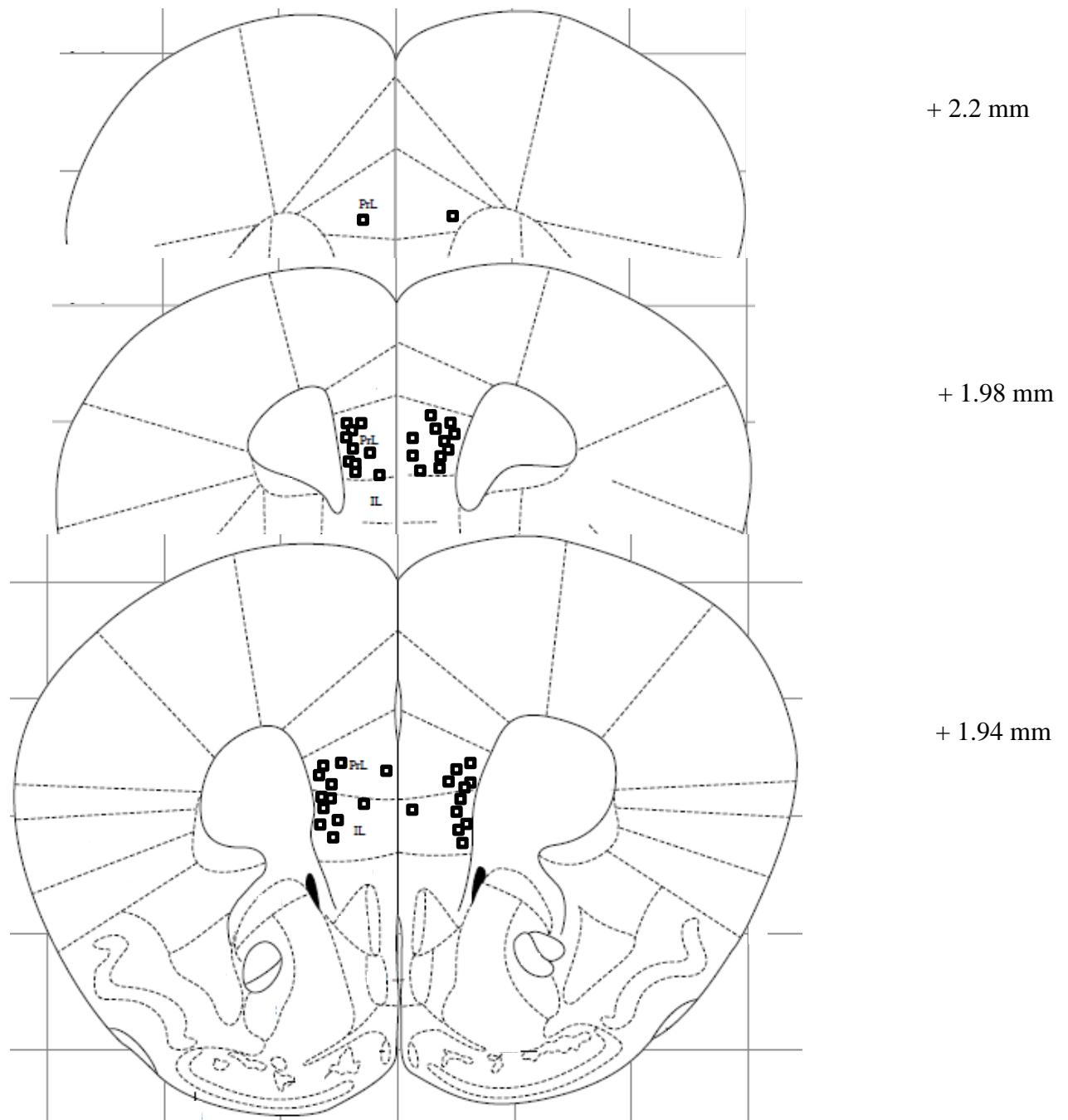
Figure S4



Location of the microinjection cannula tips in the mPFC included in the analyses of the data illustrated in Fig. 2F.

The line drawings are from Paxinos and Franklin (1997). The numbers to the right are the millimeters from the bregma. The open square represents the location of the microinjection cannula tips of the vehicle B and WAY100635-microinjection group.

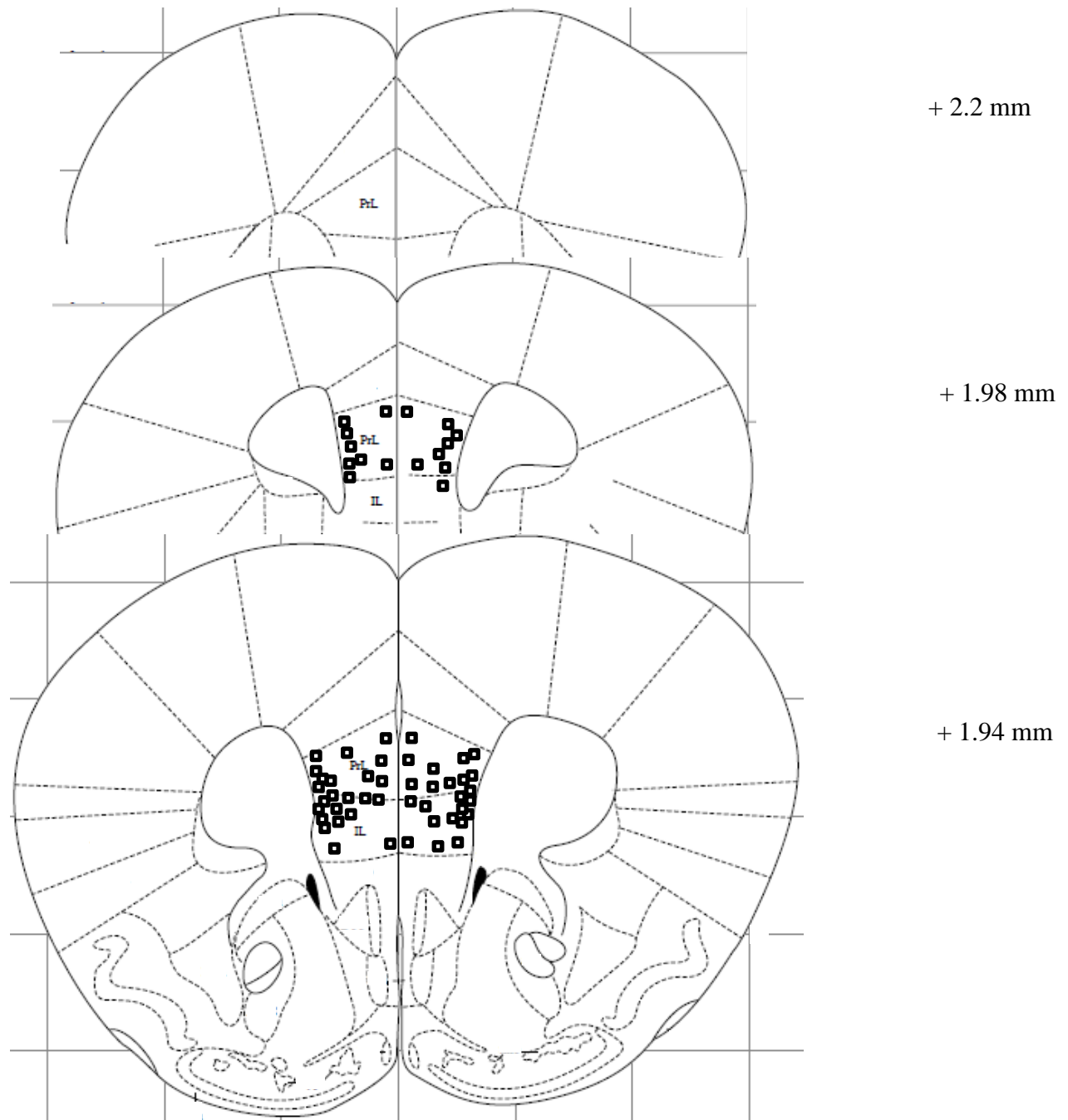
Figure S5



Location of the microinjection cannula tips in the mPFC included in the analyses of the data illustrated in Fig. 2J.

The line drawings are from Paxinos and Franklin (1997). The numbers to the right are the millimeters from the bregma. The open square represents the location of the microinjection cannula tips of the vehicle B and 8-OH-DPAT-microinjection group.

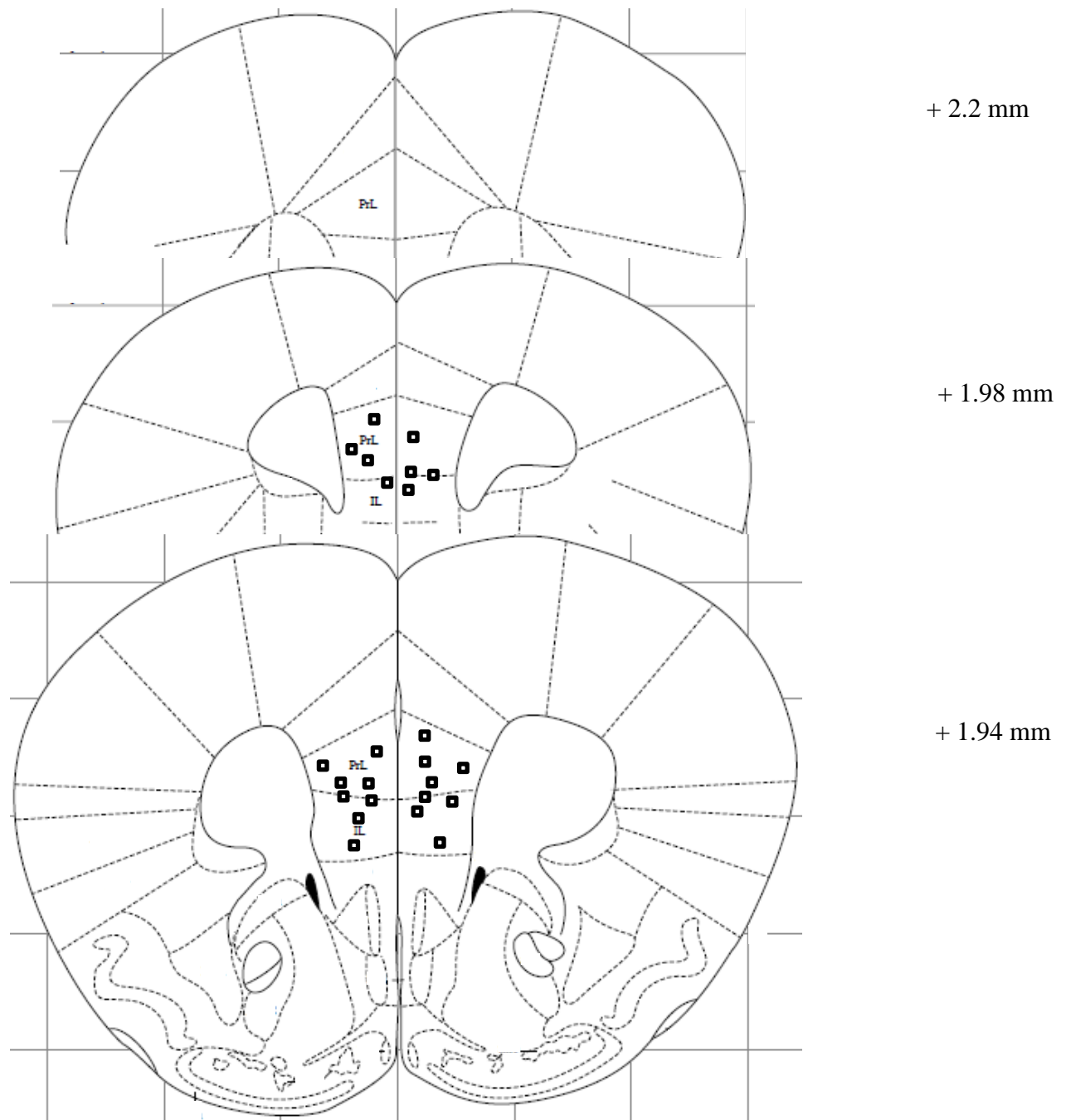
Figure S6



Location of the microinjection cannula tips in the mPFC included in the analyses of the data illustrated in Fig. 2K.

The line drawings are from Paxinos and Franklin (1997). The numbers to the right are the millimeters from the bregma. The open square represents the location of the microinjection cannula tips of the vehicle B, 8-OH-DPAT and WAY100635-microinjection group.

Figure S7



Location of the microinjection cannula tips in the mPFC included in the analyses of the data illustrated in Fig. 2L.

The line drawings are from Paxinos and Franklin (1997). The numbers to the right are the millimeters from the bregma. The open square represents the location of the microinjection cannula tips of the vehicle B and 8-OH-DPAT-microinjection group.

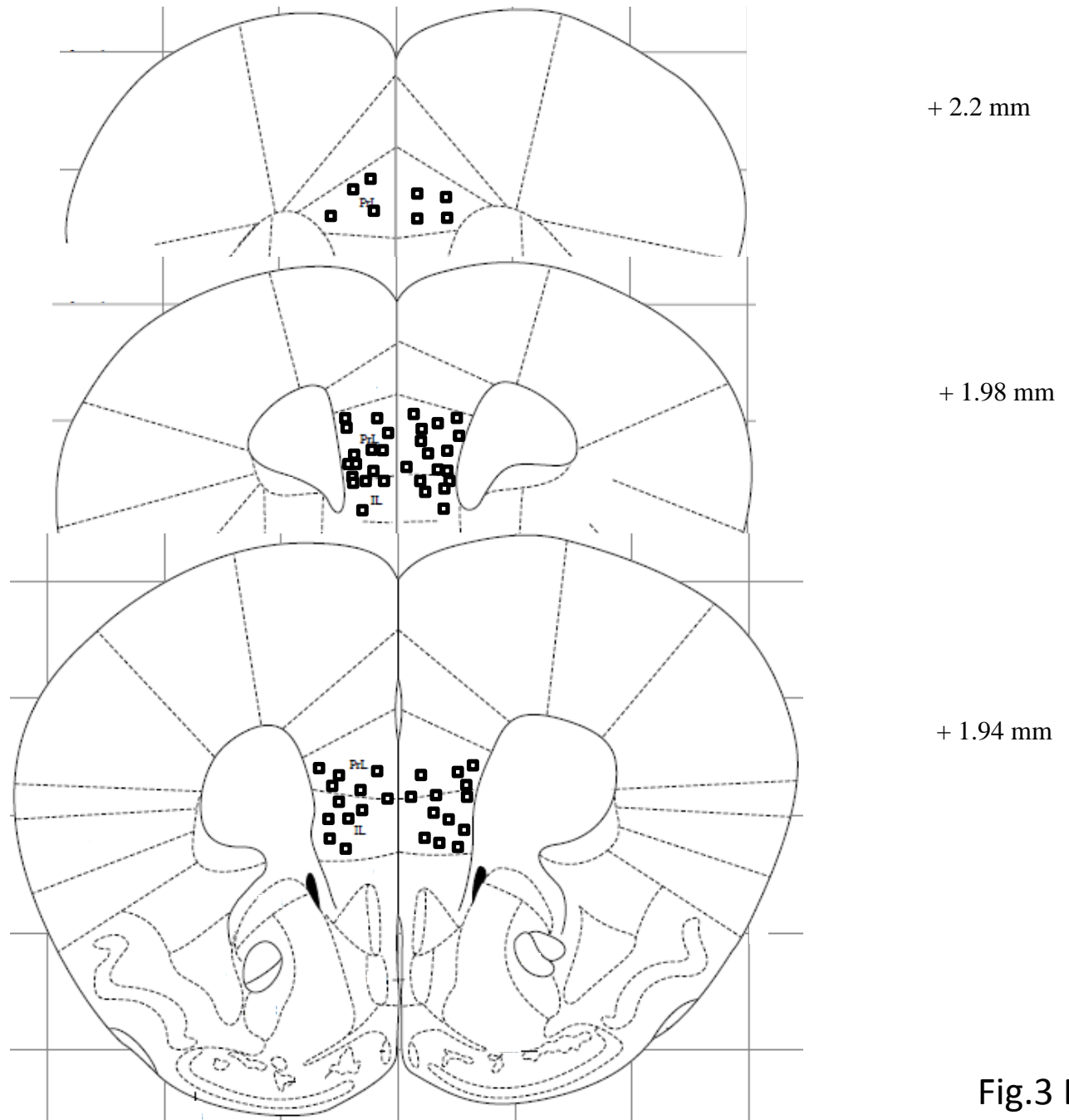
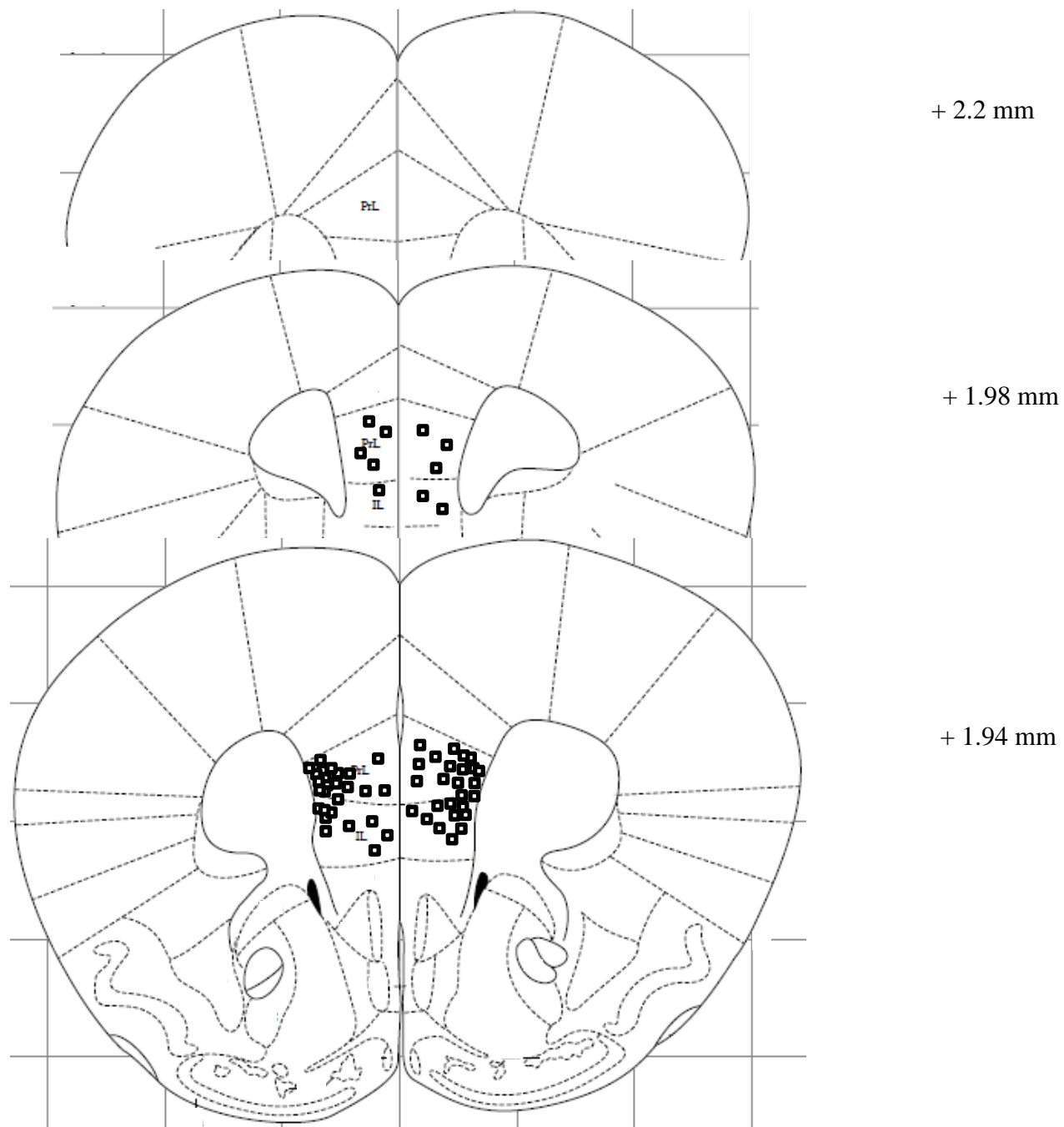


Fig.3 B

Location of the microinjection cannula tips in the mPFC included in the analyses of the data illustrated in Fig. 3B.

The line drawings are from Paxinos and Franklin (1997). The numbers to the right are the millimeters from the bregma. The open square represents the location of the microinjection cannula tips of the vehicle A and LY294002-microinjection group.

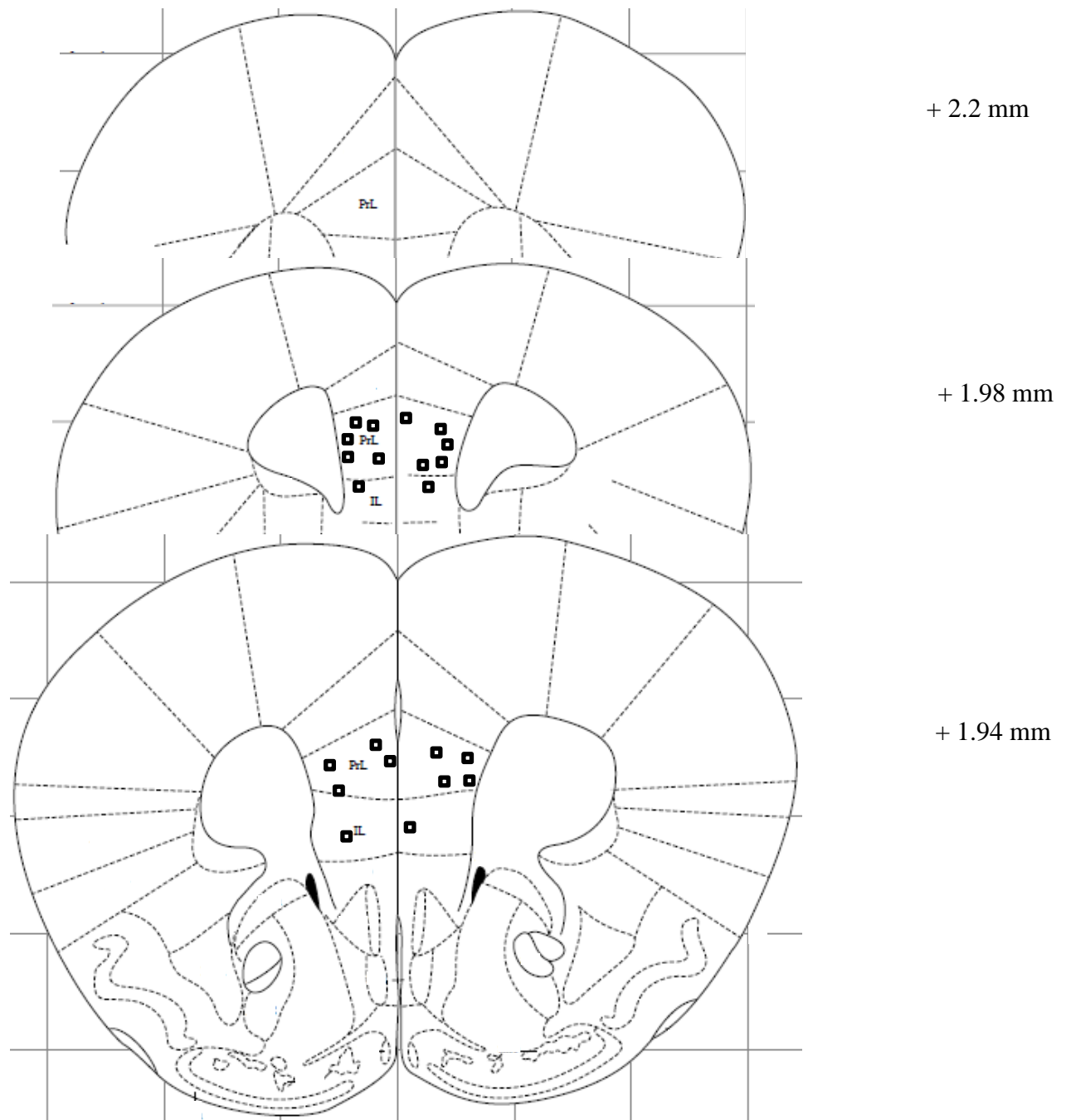
Figure S9



Location of the microinjection cannula tips in the mPFC included in the analyses of the data illustrated in Fig. 3C.

The line drawings are from Paxinos and Franklin (1997). The numbers to the right are the millimeters from the bregma. The open square represents the location of the microinjection cannula tips of the vehicle A, vehicle C, 8-OH-DPAT and LY294002-microinjection group.

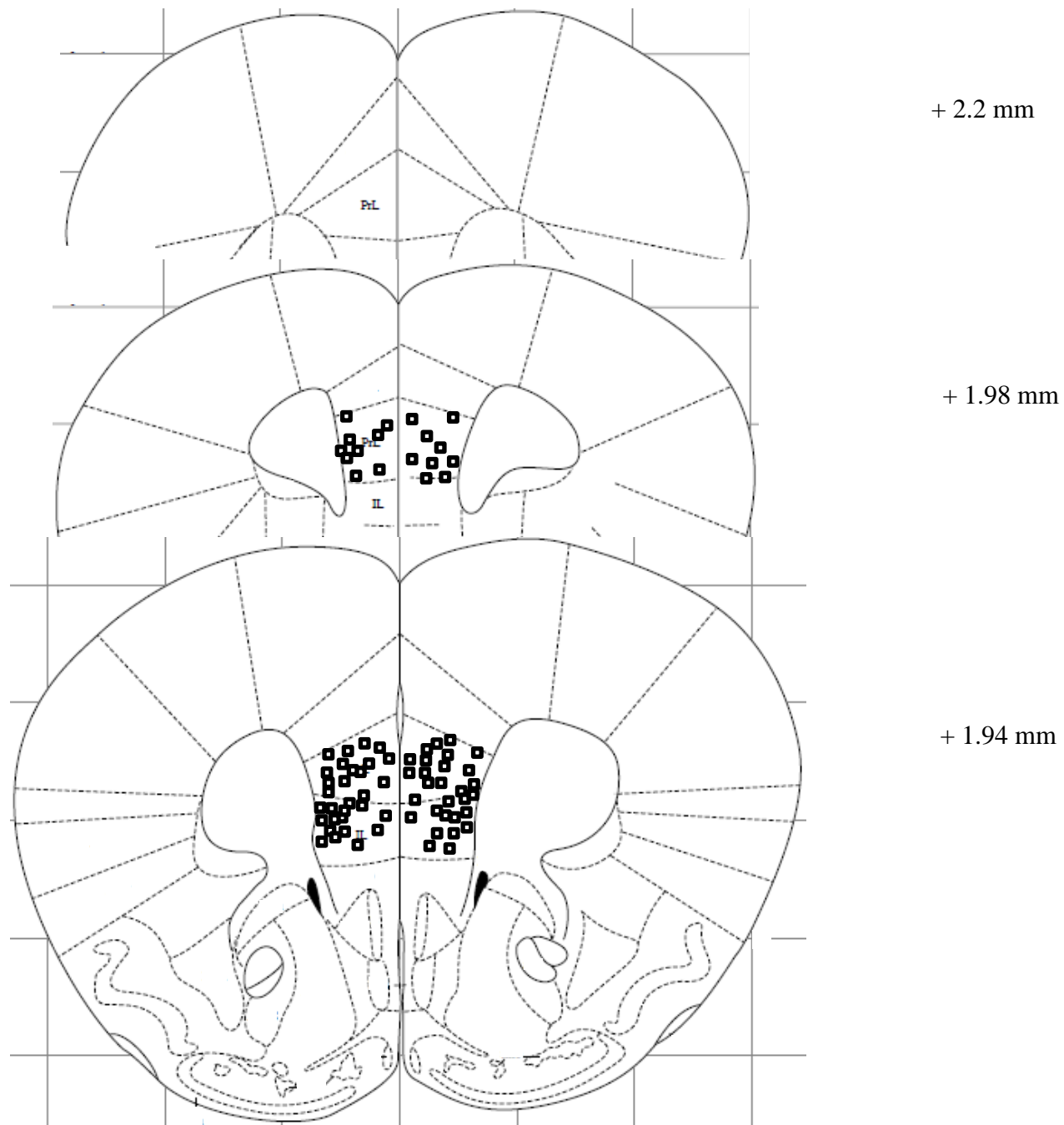
Figure S10



Location of the microinjection cannula tips in the mPFC included in the analyses of the data illustrated in Fig. 3D.

The line drawings are from Paxinos and Franklin (1997). The numbers to the right are the millimeters from the bregma. The open square represents the location of the microinjection cannula tips of the vehicle A and LY294002-microinjection group.

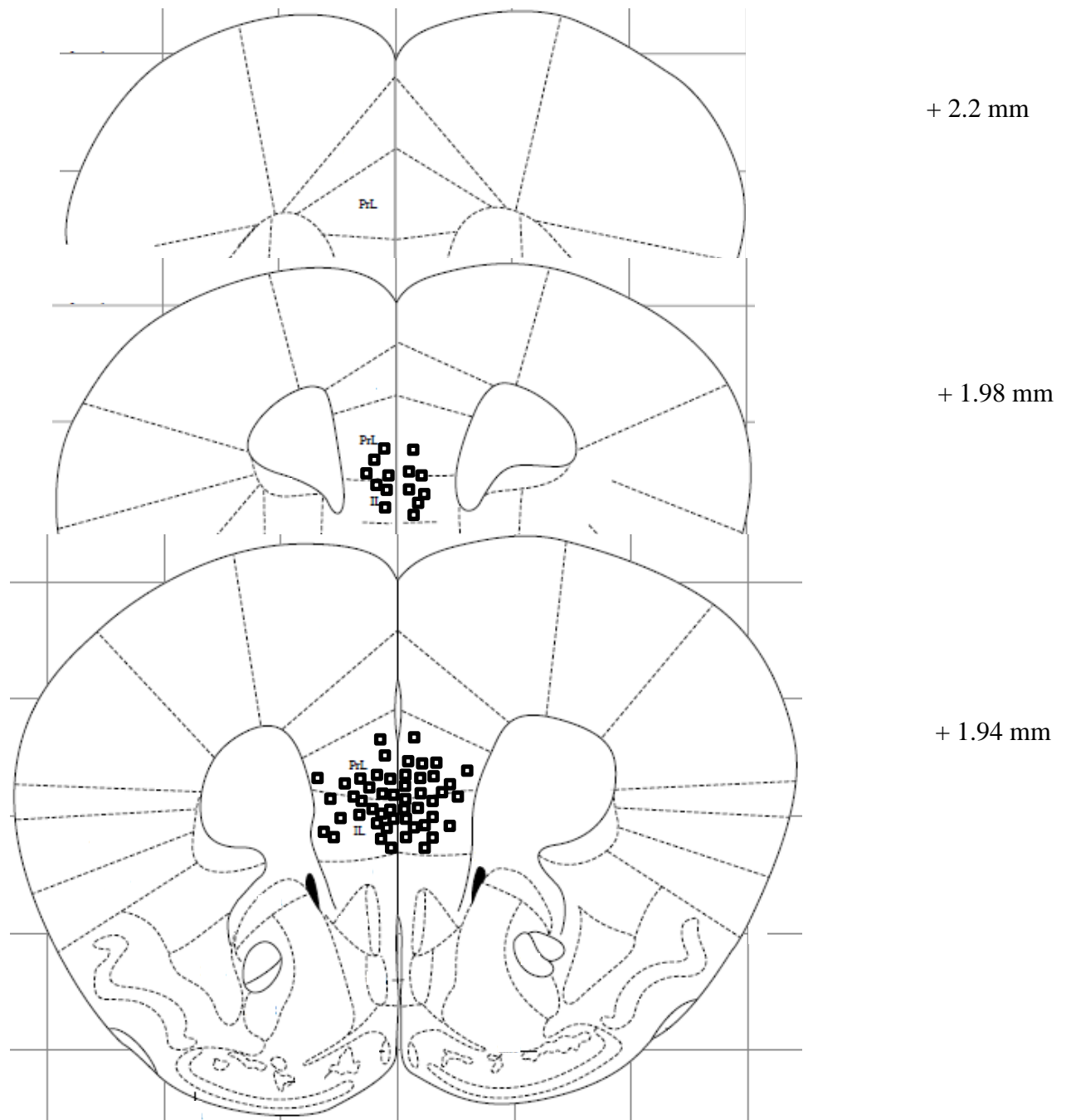
Figure S11



Location of the microinjection cannula tips in the mPFC included in the analyses of the data illustrated in Figs. 5B and 5D.

The line drawings are from Paxinos and Franklin (1997). The numbers to the right are the millimeters from the bregma. The open square represents the location of the microinjection cannula tips of the vehicle A and rapamycin-microinjection group.

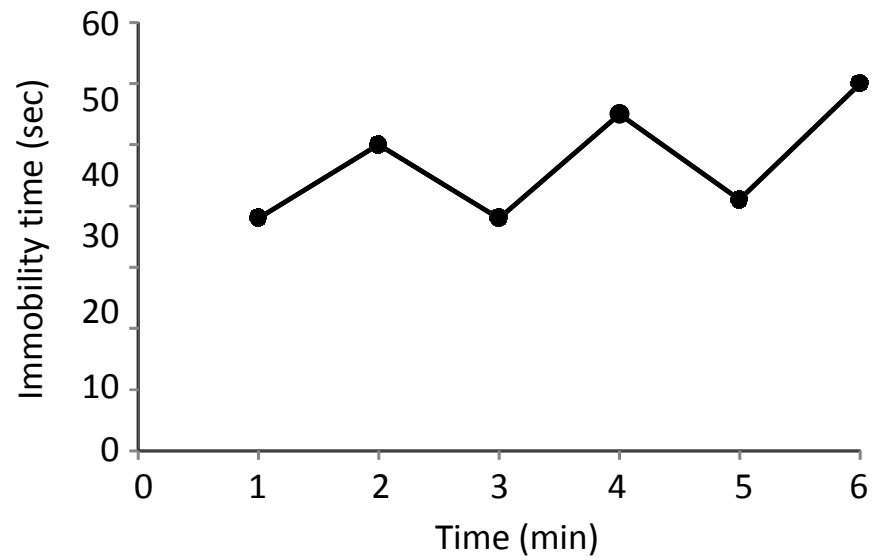
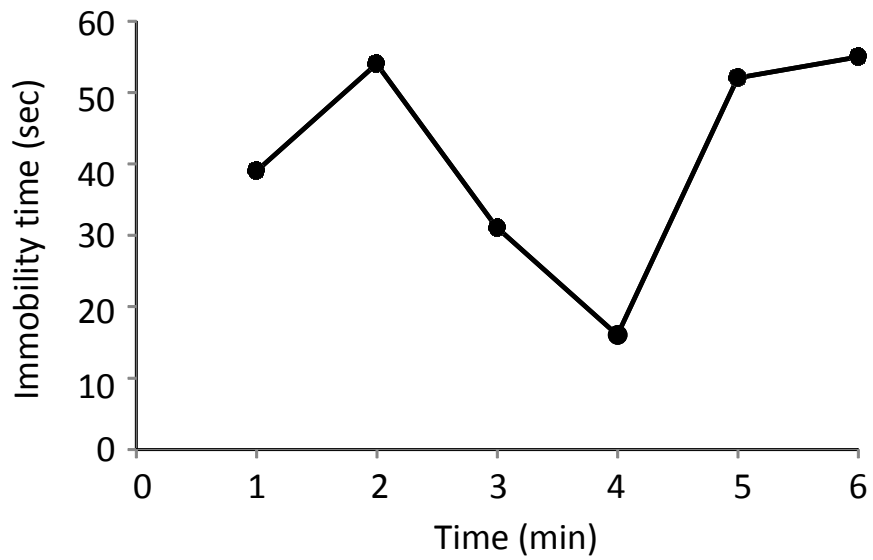
Figure S12



Location of the microinjection cannula tips in the mPFC included in the analyses of the data illustrated in Fig. 5C.

The line drawings are from Paxinos and Franklin (1997). The numbers to the right are the millimeters from the bregma. The open square represents the location of the microinjection cannula tips of the vehicle A, vehicle C, 8-OH-DPAT and rapamycin-microinjection group.

Figure S13



Representative time course of immobility time over the 6 min in the forced swimming test in Fig. 1B

The time spent immobile of two mice treated with vehicle A over the 6 min in Fig. 1B are shown.