

**Supporting information – figure legends and figures:**

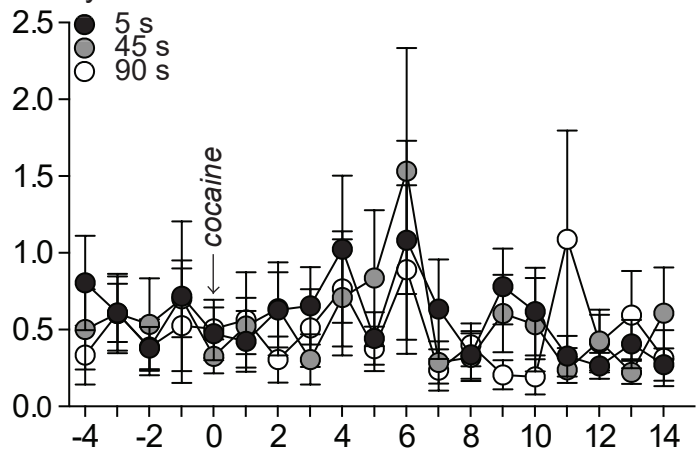
**Figure S1. Cocaine had no significant effect on non-dopaminergic neurotransmitters in the dorsal striatum.** All values are mean  $\pm$  SEM.  $n = 7$  rats/infusion rate.  $nM$ , nanomoles/liter.  $s$ , seconds.

**Figure S2. Cocaine had no significant effect on neuromodulators in the dorsal striatum.** All values are mean  $\pm$  SEM.  $n = 7$  rats/infusion rate.  $nM$ , nanomoles/liter.  $s$ , seconds.

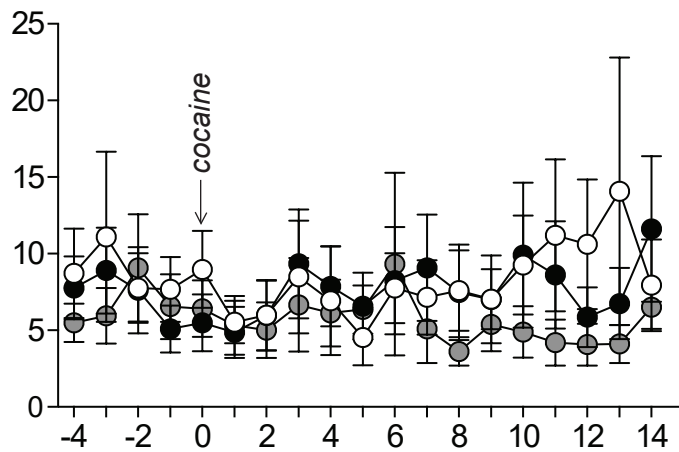
**Figure S3. Cocaine had no significant effect on neurotransmitter metabolites in the dorsal striatum.** All values are mean  $\pm$  SEM.  $n = 7$  rats/infusion rate.  $nM$ , nanomoles/liter.  $s$ , seconds.

Figure S1

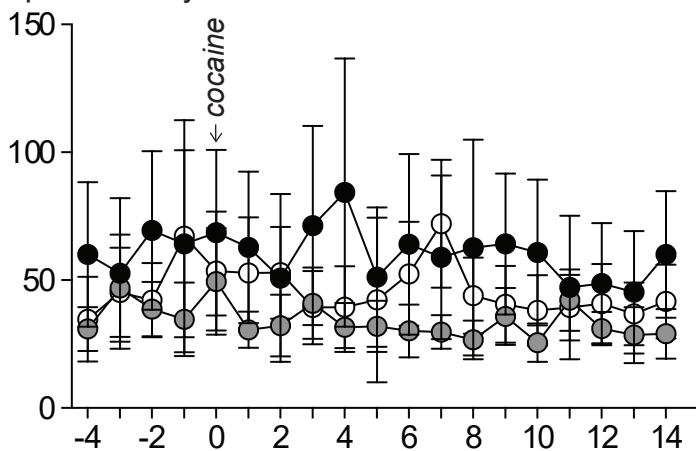
a. Acetylcholine



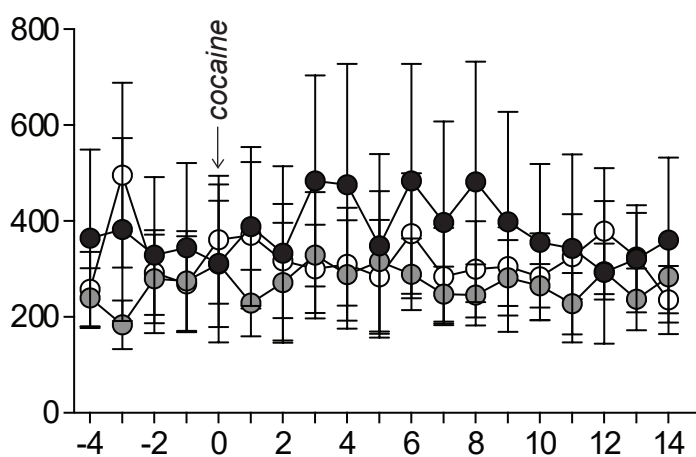
b. Adenosine



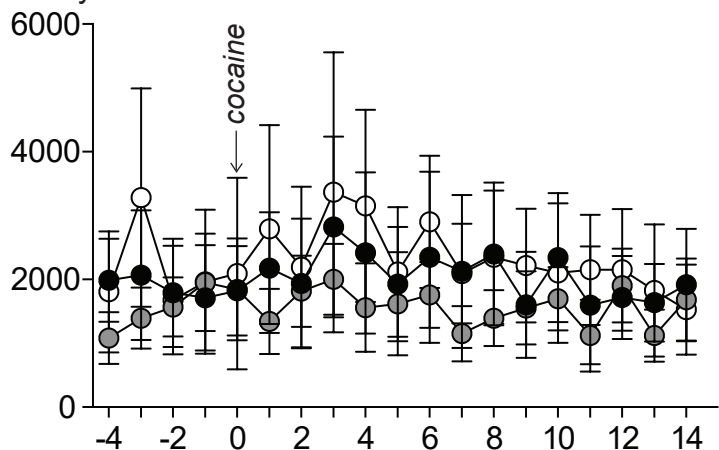
c.  $\gamma$ -Aminobutyric acid



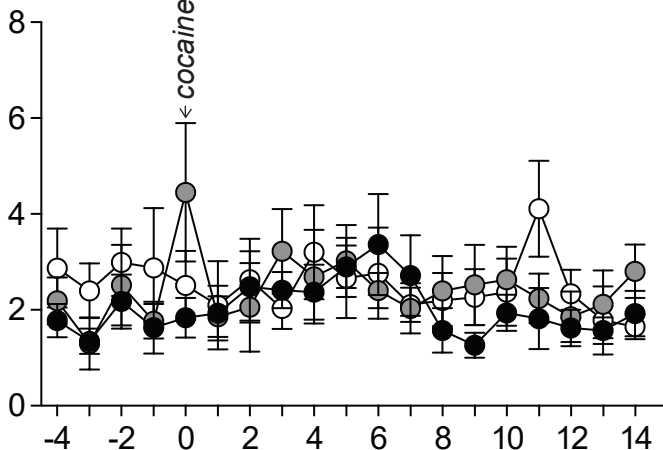
d. Glutamate



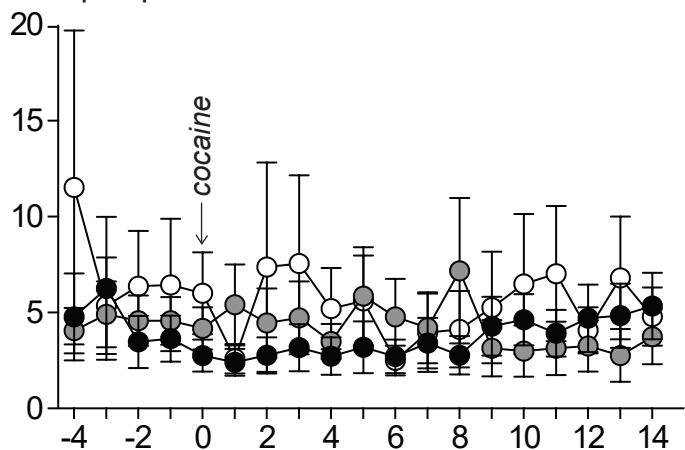
e. Glycine



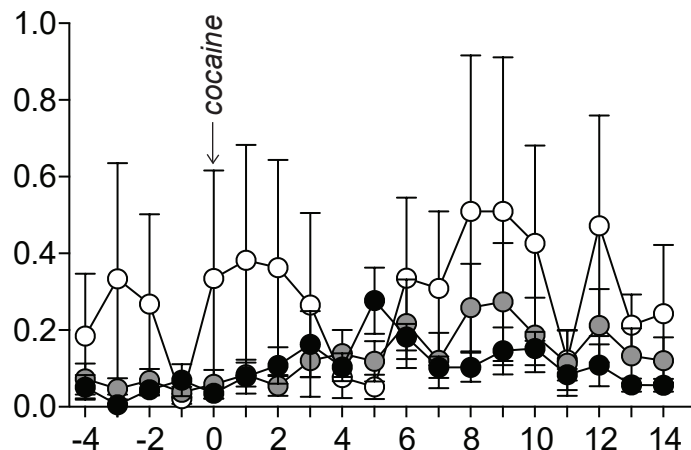
f. Histamine



g. Norepinephrine



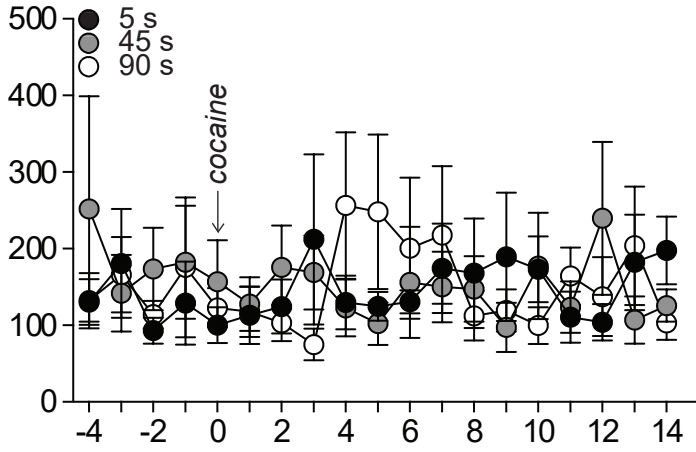
h. Serotonin



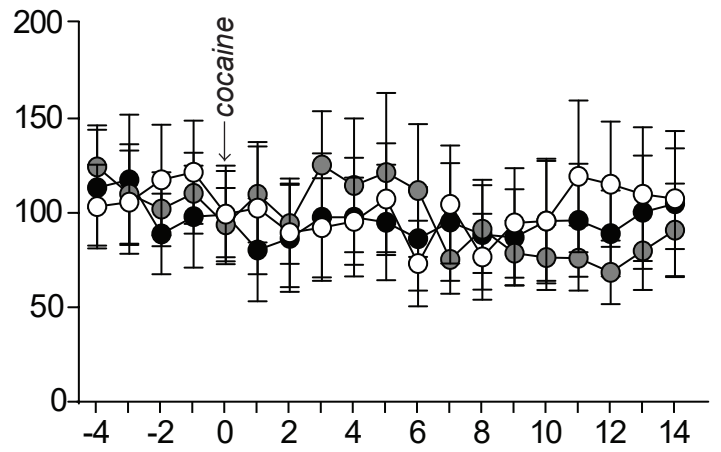
Time (minutes)

Figure S2

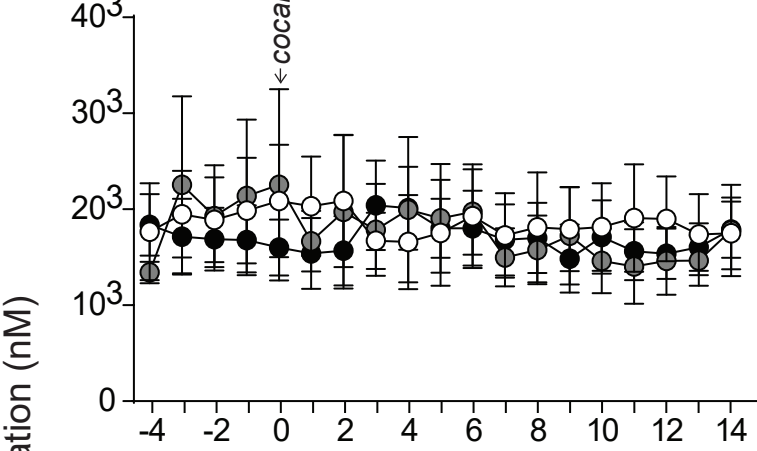
a. Aspartate



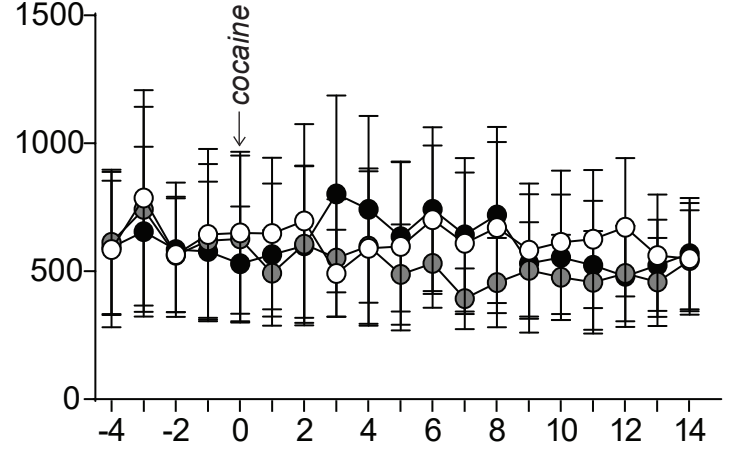
b. Glucose



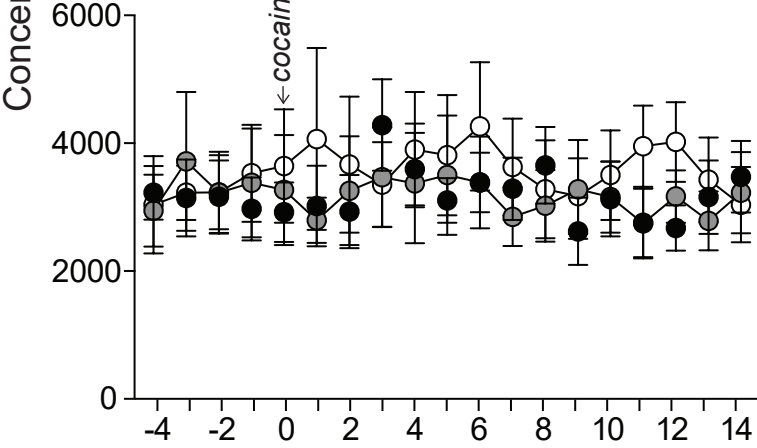
c. Glutamine



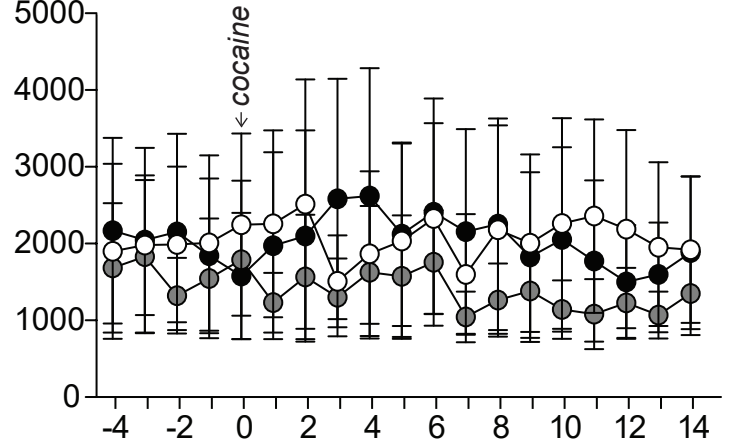
d. Phenylalanine



e. Serine



f. Taurine



g. Tyrosine

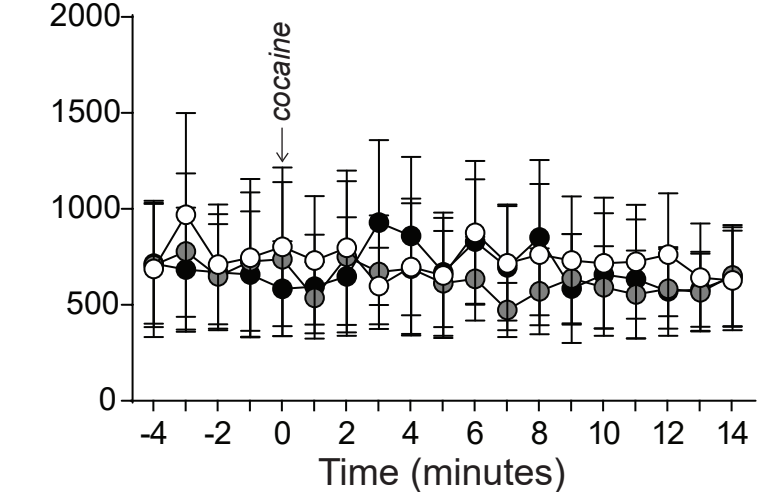
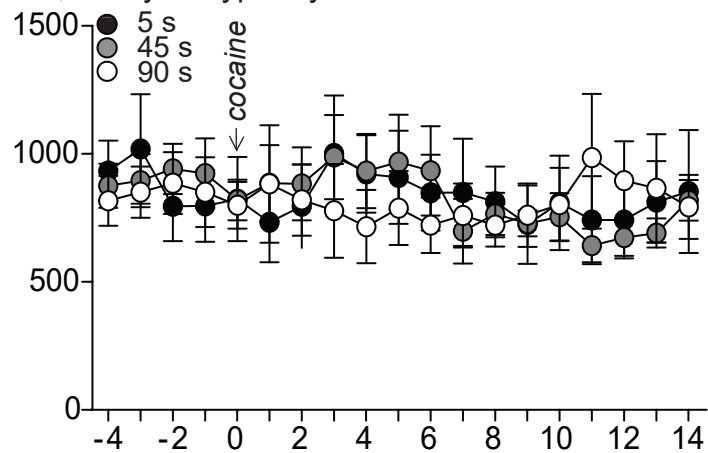
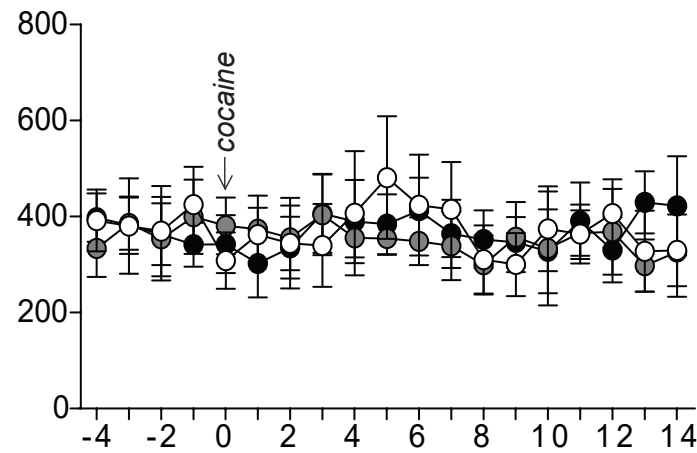


Figure S3

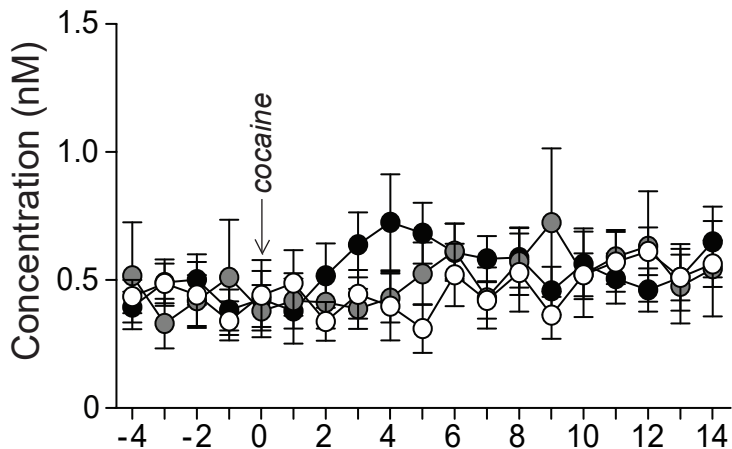
a. 3,4-Dihydroxyphenylacetic acid



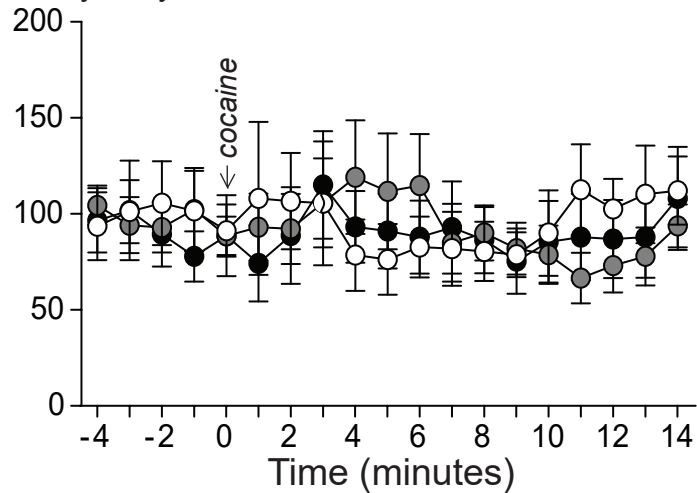
b. Homovanillic acid



c. 3-Methoxytyramine



d. 5-Hydroxyindoleacetic acid



e. Normetanephrine

