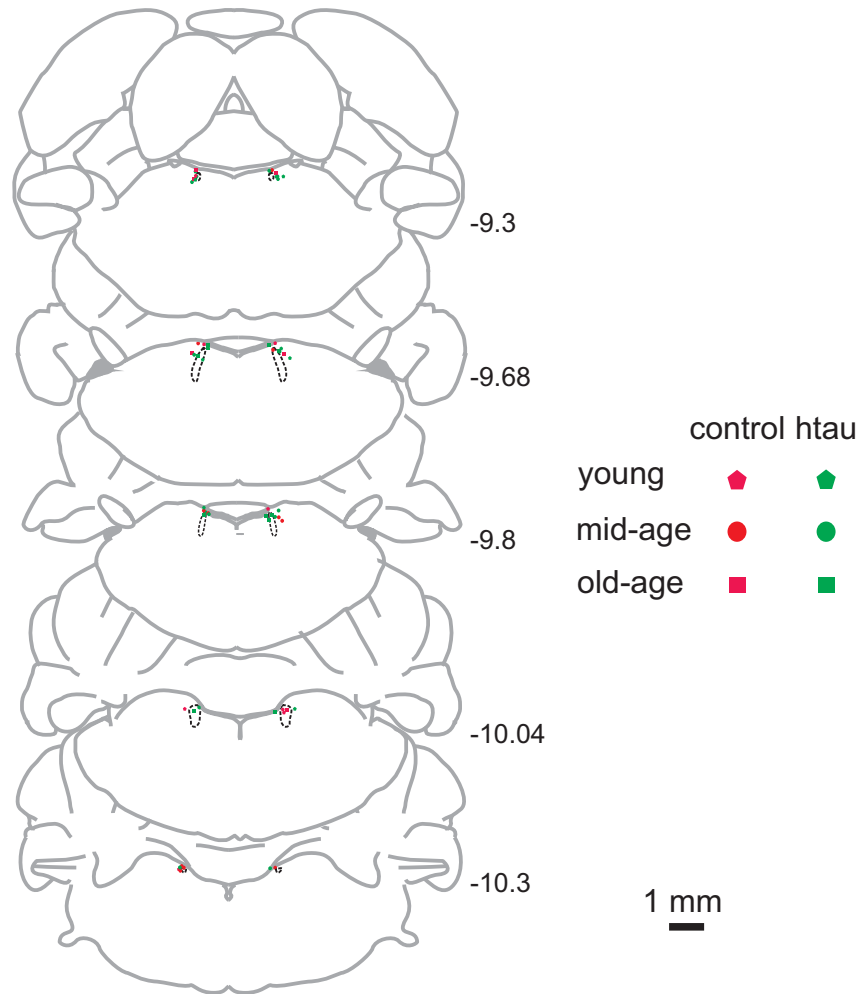


# Additional File 1



## Locus coeruleus (LC) targeting reconstruction

Targeting success of 59 infusion sites from 30 rats are presented across 5 coronal planes along the rostro-caudal axis of the LC. For each hemisphere, infusion site was marked as the midpoint of maximum concentration of beads and represented in the corresponding plane in the cartoon. Black dashed outlines indicate LC. Coordinates are based on the atlas of Paxinos and Watson (4<sup>th</sup> edition).