## Supplemental Material

In Supplemental Figure 1, we show the voxels in the template that had values less than 5 Hounsfield units. We removed these voxels from the final template as they are likely voxels from only a few subjects.

In Supplemental Figure 2 we show the template image, but using the voxel-wise median rather than the mean. We see fewer areas of high intensity, as the median is resistant to large outliers. We do see some brighter areas towards the cortical surface, which may be a byproduct of partial voluming effects with the skull or truly denser areas.

In Supplemental Table 1 Here we present a set of the labels for the structures in the structural segmentation of the template.

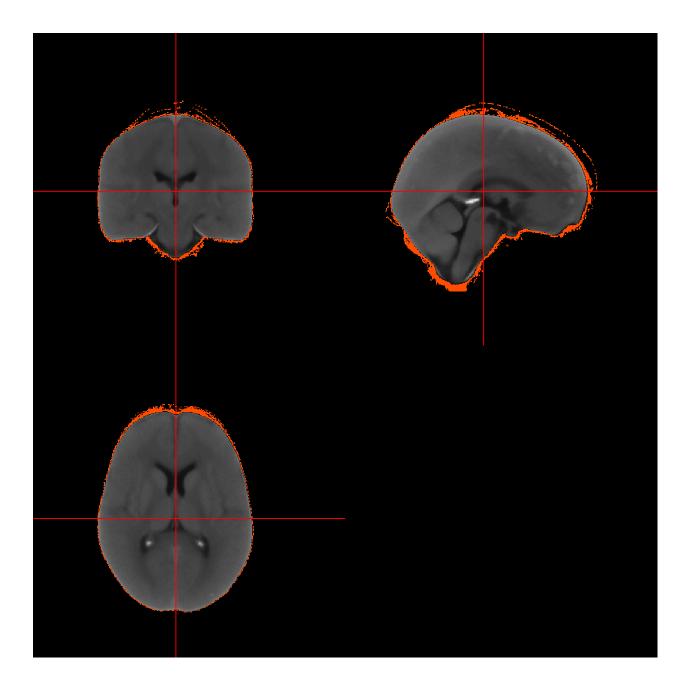


Figure 1: Boundary Issues with Low HU Values. Here we present the average image with the mask of voxels that were lower than  $5~\mathrm{HU}$  in the template. We excluded these values from the final template.

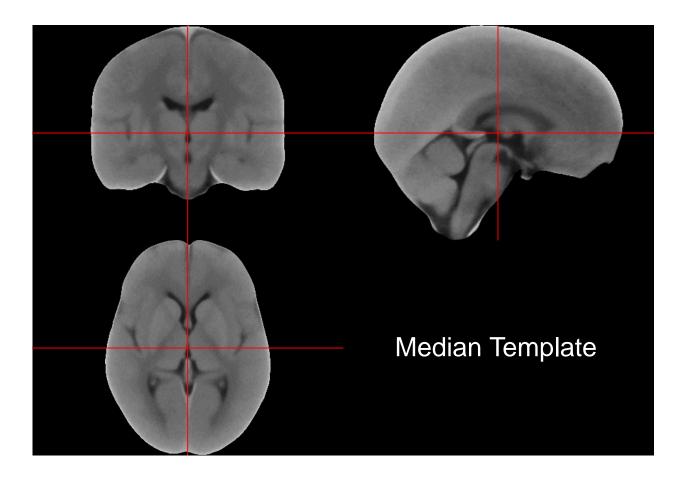


Figure 2: Median Image. We see fewer areas of high intensity, as the median is resistant to large outliers. We do see some brighter areas towards the cortical surface, which may be a byproduct of partial voluming effects with the skull or truly denser areas.

Table 1: Example Structure Labels. Here we present a set of the labels for the structures in the structural segmentation of the template.

name
Left Inf Lat Vent
Right Lateral Ventricle
Left Lateral Ventricle
Right Lesion
Left Lesion
Right Pallidum
Left Pallidum
Right Putamen
Left Putamen
Right Thalamus Proper
Left Thalamus Proper
Right Ventral DC
Left Ventral DC
Right vessel
Left vessel
Left Insula
Right Insula
Left Operculum
Right Operculum
Optic Chiasm
Basal Forebrain