

3dBAR reconstruction examples

Under construction - more examples soon.

Examples of reconstructions based on Paxinos and Watson *The Rat Brain in Stereotaxic Coordinates* created with 3D Brain Atlas Reconstructor. Meshes are presented without any additional processing such as smoothing or complexity reduction in order to fully represent source data.

Reconstruction of whole brain

- Segmented reconstruction cortex (both archi and neocortex):
 - M1,M2 primary and secondary motor cortex
 - RSD - retrosplenial dysgranular cortex
 - V1 - primary visual cortex
 - OlfCx - olfactory cortex
 - S2 - secondary somatosensory cortex
 - S1ULp - primary somatosensory cortex, upper lip region.

Thalamus

- Segmented reconstruction of thalamus
 - LD - laterodorsal thalamic nucleus,
 - PO - posterior thalamic nuclear group,
 - LP - lateral posterior thalamic nucleus,
 - DLG - dorsal lateral geniculate nucleus,
 - MG - medial geniculate nucleus,
 - Rt - reticular thalamic nucleus,
 - PVA - paraventricular thalamic nucleus.

Pyramidal tract

- Segmented reconstruction of pyramidal tract:
 - ic - internal capsule,
 - lfp - longitudinal fasciculus of the pons,
 - cp - cerebral peduncles,
 - py - pyramids