3dBAR reconstruction examples

Under construction – more examples soon.

1. Based on Paxinos and Watson *The Rat Brain in Stereotaxic Coordinates*
2. Based on ScalableBrainAtlas templates
3. Based on Waxholm Space Atlas

Based on Paxinos and Watson *The Rat Brain in Stereotaxic Coordinates*

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 the whole brain	Segmented reconstruction of the 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 penducles, py - pyramids.

Based on ScalableBrainAtlas templates

Rhesus Monkey, Paxinos et al. 2000	NeuroMaps Macaque Atlas
Segmented reconstruction of the cortex: 6, 47 - areas 6 and 47 of cortex, PE - parietal area PE, STreg - superior temporal sulcus V1,V4 - visual area 1 and 4.	Reconstructions of cerebral cortex and chosen subcortical structures: Amg - amygdala, Str - striatum, CgG - cingulate gyrus, FL,OL,PL - frontal, occipital and parietal lobe, Olf - olfactory bulb.

Based on Waxholm Space Atlas

Reconstruction of whole brain	Segmented reconstructions of chosen brain structures: SC - superior colliculus, VS - ventricular system, cb - cerebellum.