

3dBAR reconstruction examples

1. Based on Paxinos and Watson *The Rat Brain in Stereotaxic Coordinates*
2. Based on [<http://software.incf.org/software/waxholm-space> Waxholm Space ?
3. Based on ScalableBrainAtlas templates

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.

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

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

	Segmented reconstruction of cortico-spinal tract:
	ic - internal capsule,
Cortico-spinal tract	lfp - longitudinal fasciculus of the pons,
	cp - cerebral penducles,
	py - pyramidal tract.

Based on Waxholm Space Atlas

([webGl preview](#)) - may take a while to load

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

Based on ScalableBrainAtlas templates

Rhesus Monkey, Paxinos et al. 2000	NeuroMaps Macaque Atlas (webGl preview)
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.