

# 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.

	Segmented reconstruction cortex: (both archi and neocortex): M1,M2 primary and secondary motor cortex RSD - retrosplenial dysgranular cortex
Reconstruction of 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, LP - lateral posterior thalamic nucleus, DLG - dorsal lateral geniculate nucleus, MG - medial geniculate nucleus, Rt - reticular thalamic nucleus, PVA - paraventricular thalamic nucleus.
Thalamus	

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

## Based on ScalableBrainAtlas templates

Rhesus Monkey, Paxinos et al. 2000    NeuroMaps Macaque Atlas

Segmented reconstruction of cortex: 6, 47 - area 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.
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## Based on Waxholm Space Atlas

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