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 - celebral penducles,
py - pyramids.

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.

Segmented reconstruction 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.

Reconstruction of whole brain

Segmented reconstruction of chosen brain structures:
SC - superior colliculus,

VS - ventricular system,
cb - cerebellum.