## 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.

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,

Thalamus

PVA - paraventricular thalamic nucleus.

Segmented reconstruction of pyramidal tract:

ic - internal capsule,

Pyramidal tract 1fp - longitudinal fasciculus of the pons,

cp - celebral penducles,

py - pyramids.

Segmented reconstruction of cerebral cortex

Segmented reconstruction of cortex: and chosen subcortical structures:

6, 47 - area 6 and 47 of cortex, Amg - amygdala, PE - parietal area PE, Str - striatum,

STreg - superior temporal sulcus CgG - cingulate gyrus,

V1, V4 - visual area 1 and 4. 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.