

Supplementary material

Web page <http://www.3dbar.org/wiki/barServiceSupplement> contains the most recent versions of supplementary materials for the article:

(...)

ABSTRACT

(...)

Following supplementary materials are available:

1. Documentation of the Application Programming Interface (API)
2. Tutorials:
 - ♦ How to access the Custom Reconstruction Wizard?
 - ♦ How to use labeled volumes available at 3dBAR on-line service website?
3. Screencasts:
 - ♦ A whole playlist:
 - ♦ Selecting an atlas,
 - ♦ Displaying atlas details,
 - ♦ Switching the atlas,
 - ♦ Browsing atlas slides,
 - ♦ 3D model preview,
 - ♦ Browsing reconstructed models,
 - ♦ Requesting a custom reconstruction,
 - ♦ Using the user panel,
 - ♦ Other features of 3D model preview,
 - ♦ Requesting a composite custom reconstruction.
4. Troubleshooting

Reproducing results from the article

Figure 2

Reconstructing Figure 2:
Labeled volume of Macaque's brain
(Bowden et. al. 2003) loaded into
ITK-SNAP (Yushkevich et. al. (2006).

Figure 3

Reconstructing Figure 3:
Models of structures from the Allen
Mouse Brain Reference Atlas
(<http://mouse.brain-map.org/>):

- brain stem,
- cerebellum,
- cerebral nuclei,
- cerebral cortex.

Figure 4

The output from the Custom
Reconstruction Wizard according
to settings from Figure 4:

- VRML scene,
- PNG image,
- reconstruction job
tracking page.