

# 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.