3d Brain Atlas Reconstructor on-line service

Available services

getCafInfo

Returns the index file of selected CAF dataset. Index file contains list of structures available for reconstruction, their hierarchy and list of slides within given dataset.

Examples

- http://service.3dbar.org/getCafInfo?cafDatasetName=whs_0.51
- http://service.3dbar.org/getCafInfo?cafDatasetName=whs_0.51;listSlides=False;listStructures=False

getReconstruction

Returns a model of a given structure from selected dataset as a zip file containing the reconstruction and short description.

Examples

- http://service.3dbar.org/getReconstruction?cafDatasetName=whs_0.51;structureName=thalamus
- http://service.3dbar.org/getReconstruction?cafDatasetName=whs_0.51;structureName=thalamus;qualityPreset=high;

getPreview

Displays a preview of low resolution model of a given structure from selected dataset. The preview can be easily manipulated (e.g. rotated, zoomed etc.).

The web browser has to support http://en.wikipedia.org/wiki/WebGL X3DOM in order to display the preview.

Examples

- http://service.3dbar.org/getPreview?cafDatasetName=sba_WHS09&structureName=fi

getThumbnail

Returns a thumbnail of the reconstruction of a given structure available via getReconstruction in png format.

Examples

- http://service.3dbar.org/getThumbnail?cafDatasetName=whs_0.51;structureName=thalamus

<u>getCafSlide</u>

Returns a SVG image with CAF slide filtered by provided settings.

Examples

- http://service.3dbar.org/getCafSlide?cafDatasetName=whs_0.51;slideNumber=460
- http://service.3dbar.org/getCafSlide?cafDatasetName=whs_0.51;slideNumber=460;showMask=True;showLabels=Fa
- http://service.3dbar.org/getCafSlide?cafDatasetName=whs_0.51;slideNumber=460;showLabels=False

Available datasets

sba_WHS10
     http://service.3dbar.org/getCafInfo?cafDatasetName=sba_WHS10
whs_0.51
     http://service.3dbar.org/getCafInfo?cafDatasetName=whs_0.51