3d Brain Atlas Reconstructor on-line service

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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 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

getCafSlide

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