

ANTx – Main GUI

The screenshot displays the ANTx Main GUI with the following components and labels:

- Study name (Folder name):** [ant2] nogui (proj2.m)
- Project-name (m-file):** Project-name (m-file)
- Show case-file matrix of all animals:** Show case-file matrix of all animals
- Show case-file matrix of selected animals:** Show case-file matrix of selected animals
- Current ANTx version (show changes):** Current ANTx version (show changes)
- Update ANTx from Github:** Update ANTx from Github
- Show HTML report During template registration:** Show HTML report During template registration
- Obtain help when hovering over menu items:** Obtain help when hovering over menu items
- Show ANTx history (obtain batch) of last functions:** Show ANTx history (obtain batch) of last functions
- Close all open directories:** Close all open directories
- Close all Mricron instances:** Close all Mricron instances
- Close all figures:** Close all figures
- Function listbox: Functions for Template registration:** Function listbox: Functions for Template registration
- Run selected function(s) from function listbox across Selected animals via Parallel processing:** Run selected function(s) from function listbox across Selected animals via Parallel processing
- Run selected function(s) from function listbox across Selected animals:** Run selected function(s) from function listbox across Selected animals
- setting of the project:** setting of the project
- Open history of prev. projects:** Open history of prev. projects
- Change setting of the project:** Change setting of the project
- Load an ANTx project (proj.m/m-file):** Load an ANTx project (proj.m/m-file)
- Status message:** status: idle
- Update animal listbox:** update
- Sort animals:** Sort animals
- Number of selected animals:** Number of selected animals
- Selected animals:** Selected animals
- Animal listbox (each item is an animal-folder):** Animal listbox (each item is an animal-folder)
- Resize animal listbox:** Resize animal listbox

GUI Content:

Code Editor:

```
an.project='NEW PROJECT';
an.datpath = 'F:\data5\nogui\dat';
an.voxsize = [0.07 0.07 0.07];
an.wa.BiasFieldCor = [0];
an.wa.usePriorskullstrip = [1];
an.wa.fastSegment = [1];
an.wa.orientType = [1];
an.wa.orientelxParamfile = 'f:\antx2\mrtools\elastix\paramfiles\trafoeuler5.txt';
an.wa.elxMaskApproach = [1];
an.wa.elxParamfile = {'f:\antx2\mrtools\elastix\paramfiles\Par0025affine.txt' 'f:\an
an.wa.cleanup = [1];
```

Buttons: loadproj, settings, file explorer, PR, help, anth, cDir, cF, cM.

Animal Listbox:

Animal	Selection	Status
1001_a1		
1001_a2		
20201118CH_Exp10_9258		
Devin_Sapr22		
Kevin		OK
anna_issue		te
empty		
k3339		OK
nodata		
statImage		
sus_20220215NW_ExpPTMain_009938		OK
ventr		
xx31		

Function Listbox:

- xwarp-initialize
- [2a] xwarp-coreregister auto
- [2b] xwarp-coreregister manu
- [3] xwarp-segment
- [4] xwarp-ELASTIX
- deform Volumes SPM
- deform Volumes ELASTIX
- get anatomical labels

Buttons: RUN FUN MOUSE first, RUN FUN FUN first.