

We provide a website for histopathology image diagnosis. Interface 1 is used for STAS diagnosis, and interface 2 is used for semi-automatic distance measurement of STAS histopathology images. Welcome to use our website. In view of the shortage of GPU resources, we suggest that users can download the relevant codes and models here to diagnose whether the histopathology images contain STAS.

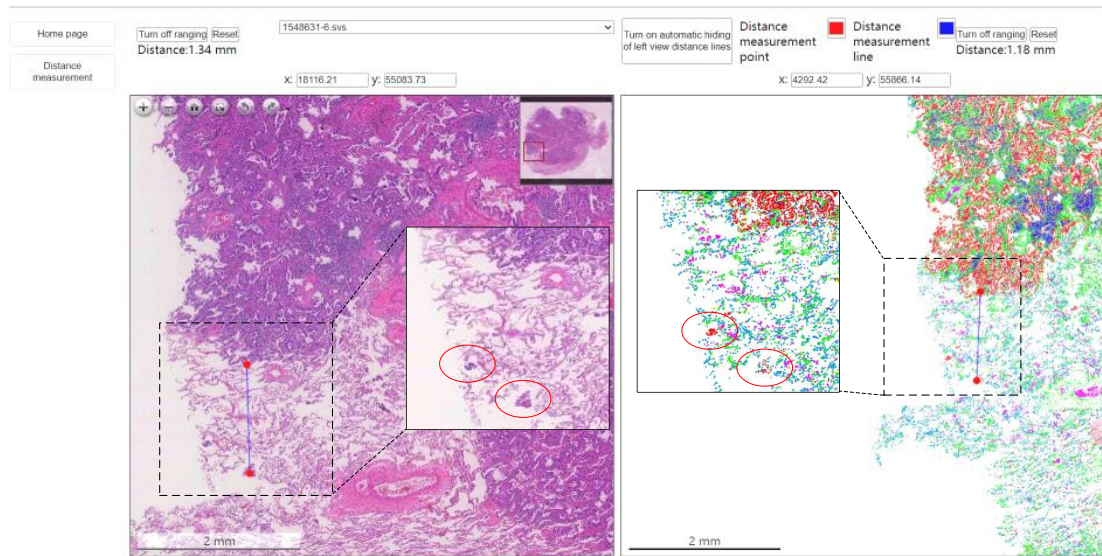
Functions of interface 1 (URL: <https://36.158.228.122:45727/>)

1. Upload the .svs file to the input folder
2. python create_patch_fp_256.py and create_patch_fp_512.py, run_wsi_inference.py
3. python extract_features_fp_256.py, extract_features_fp_512.py and summarize_tme_features.py
4. python construct_graph_multi_view.py
5. python test_STAS.py
6. python heatmap.py
7. Output the contents in results.txt to the front end, transfer the images in heatmap with the same file name as in the input folder and the suffix .JPG to the front end, and transfer the images in the output_all folder with the same file name as in the input folder and the suffix .density_img.png to the front end
8. Package the results and results.txt in the heatmap and results folders into a downloadable file
9. Delete all files and results.txt under the heatmap, multi_graph_1, input, output_all, output_TME, features and results folders

Note: Only one WSI can be placed in the input folder for processing at a time.

Functions of interface 2 (URL: <https://113.219.237.106:34040/>)

1. Execute the NCsvs.py file, output the image in the input folder as .nuclei_spatial_distribution.png to the right side of the webpage, and the image in sv format to the left



Note: You need to put the files in

https://drive.google.com/drive/folders/1hk_i-1D48j0UN7mdqsw788J7treLSFoQ?usp=drive_link into the distance folder, and put the folders in

https://drive.google.com/drive/folders/1GC2EyO6PmYGEbkL15hqjfg0WfLZhs9sg?usp=drive_link,

https://drive.google.com/drive/folders/1hk_i-1D48j0UN7mdqsw788J7treLSFoQ?usp=drive_link into the main project.