| **Dataset** | **Size** | **# of Animals** | **Resolution** | **Imaging orientation** | **# of reconstructions** | **Brain region** | **Cell type** | **Physical components** | **Local vs Projection** | **Labeling** | **CCF Registration** | **Link to Dataset** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Striatal Dedritome | 100 TB | 16 | 0.2 x 0.2 x 1.0 µm | Coronal | 4300 | Striatum | MSN2 | Dendrites | Local | MORF genetic sparse labeling | Yes | <https://submit.brainimagelibrary.org/search?investigator=X.%20William%20Yang&remove=True> |
| OLST | 12 TB/Brain | 12 | 0.4 x 0.4 x 2.5 µm | Oblique | 442 | Cortex | Pyramidal | Dendrites | Local | Viral labeling | Yes |  |
|  | 12 TB/Brain | 12 | 0.4 x 0.4 x 2.5 µm | Oblique | 52 | Primary motor | L2 Pyramidal | Dendrites | Local | Viral labeling | Yes |  |
|  | 12 TB/Brain | 12 | 0.4 x 0.4 x 2.5 µm | Oblique | 36 | L5 Pyramidal | Dendrites | Local | Viral labeling | Yes |  |
|  | 12 TB/Brain | 12 | 0.4 x 0.4 x 2.5 µm | Oblique | 31 | L6 Pyramidal | Dendrites | Local | Viral labeling | Yes |  |
|  | 12 TB/Brain | 12 | 0.4 x 0.4 x 2.5 µm | Oblique | 50 | Barrel Cortex | L2 Pyramidal | Dendrites | Local | Viral labeling | Yes |  |
|  | 12 TB/Brain | 12 | 0.4 x 0.4 x 2.5 µm | Oblique | 33 | L4 Pyramidal | Dendrites | Local | Viral labeling | Yes |  |
|  | 12 TB/Brain | 12 | 0.4 x 0.4 x 2.5 µm | Oblique | 39 | L5 Pyramidal | Dendrites | Local | Viral labeling | Yes |  |
|  | 12 TB/Brain | 12 | 0.4 x 0.4 x 2.5 µm | Oblique | 28 | L6 Pyramidal | Dendrites | Local | Viral labeling | Yes |  |
|  | 12 TB/Brain | 12 | 0.4 x 0.4 x 2.5 µm | Oblique | 51 | Prefrontal Cortex | L2 Pyramidal | Dendrites | Local | Viral labeling | Yes |  |
|  | 12 TB/Brain | 12 | 0.4 x 0.4 x 2.5 µm | Oblique | 19 | L5 Pyramidal | Dendrites | Local | Viral labeling | Yes |  |
|  | 12 TB/Brain | 12 | 0.4 x 0.4 x 2.5 µm | Oblique | 4 | L6 Pyramidal | Dendrites | Local | Viral labeling | Yes |  |
|  | 12 TB/Brain | 12 | 0.4 x 0.4 x 2.5 µm | Oblique | 47 | Piriform Cortex | L1 Pyramidal | Dendrites | Local | Viral labeling | Yes |  |
|  | 12 TB/Brain | 12 | 0.4 x 0.4 x 2.5 µm | Oblique | 30 | L2 Pyramidal | Dendrites | Local | Viral labeling | Yes |  |
|  | 12 TB/Brain | 12 | 0.4 x 0.4 x 2.5 µm | Oblique | 22 | L3 Pyramidal | Dendrites | Local | Viral labeling | Yes |  |
| MORF-Dong | 30 TB | 3 | 0.2 x 0.2 x 1.0 µm | Coronal | 400 | Cortex | Pyramidal | Dendrites | Both | MORF genetic sparse labeling | Yes |  |
| Shen, et. al 2020 Brainbow | 100 GB | 1 | 150 × 150 × 350 nm | Coronal | 53 | BLA | PV/SOM | Axons and Dendrites | Local | Viral brainbow labeling | No |  |
| Peng-SEU | 250 TB | 41 | 0.2-0.35 x 0.2-0.35 x 1 µm |  | 1876 | Thalamus  Cortex  Striatum | Multiple | Axons and Dendrites | Projection | 1. TIGRE2.0 (Optionally TIGRE1.0) with Cre expression  2. TIGRE-MORF with Cre expression | Yes |  |
| Zeng-AIBS | 10-20 TB | 50 | 0.4 x 0.4 x 2.5 µm | Coronal | 400 | Cortex  CLA | Pyramidal, interneurons | Axons and Dendrites | Both | Tg and viral approaches | Yes for a subset (~90 brains) | <https://download.brainimagelibrary.org/biccn/zeng/luo/fMOST/> |
| Huang U19 | 300 TB | 173 | 0.35-0.46 µm | Coronal | 588 | MOp, MOs, SSp-HL, SSp-FL, SSs | Projection; PlexinD1, FezF2 | Axons and Dendrites | Projection | Viral labelling plus Cre-ER genetic construct | Yes | <ftp://download.brainimagelibrary.org:8811/ab/cd/abcdef0123456789/example_dataset_01/> ; <http://brainarchitecture.org/cell-type/projection> |
| Mouselight | 200 TB (compressed) | 12 | 0.3 x 0.3 x 1.0 µm | Coronal | 1600 | Whole brain | Multiple | Axons and Dendrites Axons and Dendrites | Projection | Viral + Cre transgenics | Yes | <https://ml-neuronbrowser.janelia.org/> |