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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **laboratory** | **# total images** | **# training/ validation images** | **# test images** | **imaging**  **technique** | **resolution** | **pixel dimensions** | **model organism** | **fluorescent feature** |
| *Lab-Mue* | 29 | 5 | 0 | confocal LSM | 0.8 px / µm | 1024 x 1024 | Mus musculus | cFOS (nuclear) |
| *Lab-Inns1* | 24 | 5 | 0 | epifluorescence microscopy | 1 px / µm | 1344 x 1024 | Mus musculus | cFOS (nuclear) |
| *Lab-Inns2* | 30 | 5 | 0 | epifluorescence microscopy | 2 px / µm | 1376 x 1038 | Mus musculus | cFOS (nuclear) |
| *Lab-Wue1* | 319 | 36 | 9 | confocal LSM | 1.61 px / µm | 1024 x 1024 | Mus musculus | cFOS (nuclear) |
| *Lab-Wue2* | 40 | 5 | 0 | confocal LSM | 12.87 px / µm | 1024 x 1024 | Danio rerio | GABA (somatic) |