

| Name                                    | Dataset                     | Training images | # of train img | Validation images | # of valid. img | From previous checkpoint           | Learning rate | Lambda L1 | Lambda VGG | Normalization | Epochs | Test images | # of test img | FID     | Remarks  | Click to see images in the report |
|---|-----------------------------|-----------------|----------------|-------------------|-----------------|------------------------------------|---------------|-----------|------------|---------------|--------|-------------|---------------|---------|--|-----------------------------------|
| Baseline NoSplitLR0.0002-Lambda100      | Low resolution              | *[0-6]          | 135            | *[7-8]            | 30              | no                                 | 0,0002        | 100       | 0          | Batch         | 900    | *29         | 5             | 328,378 | First baseline   | <a href="#">Report</a>            |
| NoSplit-GeneratorAlone-FullSize         | Low resolution              | *[0-6]          | 135            | *[7-8]            | 30              | no                                 | 0,0002        | 100       | 0          | Batch         | 900    | *29         | 5             | 379,982 | Train with no discriminator  | <a href="#">Report</a>            |
| NoSplitLR0.0002Lambda100-2x2experiment  | Mid resolution 2x2          | No training     |                |                   |                 | Baseline                           |               |           |            |               |        | *29_*       | 20            | 293,131 | Test 2x2 split masks against the baseline model  | <a href="#">Report</a>            |
| Split2x2-frombaseline200epochs-2x2      | Mid resolution 2x2          | *[0-1]_*        | 140            | *7_*              | 60              | Baseline                           | 0,0002        | 100       | 0          | Batch         | 200    | *29_*       | 20            | 299,461 | From baseline train partially with 2x2 splits  | <a href="#">Report</a>            |
| Split2x2-frombaseline200epochs-fullsize | Low resolution              | No training     |                |                   |                 | Split2x2-frombaseline200epochs-2x2 |               |           |            |               |        | *29         | 5             | 412,790 | Test whole masks against 2x2 partial training  | <a href="#">Report</a>            |
| Split2x2-2x2                            | Mid resolution 2x2          | *[0-6]_*        | 540            | *[7-8]_*          | 120             | no                                 | 0,0002        | 100       | 0          | Batch         | 900    | *29_*       | 20            | 299,058 | Train 2x2 splits directly from scratch   | <a href="#">Report</a>            |
| Split2x2-fullsize                       | Low resolution              | No training     |                |                   |                 | Split2x2-2x2                       |               |           |            |               |        | *29         | 5             | 409,804 | Test whole masks against 2x2 full training   | <a href="#">Report</a>            |
| NoSplitLR0.0002Lambda100-InstanceNorm   | Low resolution              | *[0-6]          | 135            | *[7-8]            | 30              | no                                 | 0,0002        | 100       | 0          | Instance      | 900    | *29         | 5             | 332,123 | InstanceNorm baseline  | <a href="#">Report</a>            |
| Split2x2-fromInstanceNorm-200epochs-2x2 | Mid resolution 2x2          | *[0-1]_*        | 140            | *7_*              | 60              | InstanceNorm baseline              | 0,0002        | 100       | 0          | Instance      | 200    | *29_*       | 20            | 380,768 | From instanceNorm baseline train partially with 2x2 splits   | <a href="#">Report</a>            |
| NoSplit542-fullsize                     | Mid resolution full         | *[0-6]          | 135            | *[7-8]            | 30              | no                                 | 0,0002        | 100       | 0          | Instance      | 900    | *29         | 5             | 398,007 | Train with 512x512 images  | <a href="#">Report</a>            |
| NoSplit-VGGplusL1                       | Low resolution              | *[0-6]          | 135            | *[7-8]            | 30              | no                                 | 0,0002        | 100       | 100        | Instance      | 900    | *29         | 5             | 290,706 | L1*100+VGG*100   | <a href="#">Report</a>            |
| NoSplit-VGGalone                        | Low resolution              | *[0-6]          | 135            | *[7-8]            | 30              | no                                 | 0,0002        | 0         | 100        | Instance      | 900    | *29         | 5             | 232,635 | VGG*100  | <a href="#">Report</a>            |
| Split2x2-InstanceNorm                   | Mid resolution 2x2          | *[0-6]_*        | 540            | *[7-8]_*          | 120             | no                                 | 0,0002        | 100       | 0          | Batch         | 900    | *29_*       | 20            | 382,221 | Train 2x2 splits from scratch with instance norm   | <a href="#">Report</a>            |
| Split2x2-InstanceNorm-Filtered          | Filtered Mid resolution 2x2 | *[0-6]_*        | 345            | *[7-8]_*          | 77              | no                                 | 0,0002        | 100       | 0          | Batch         | 900    | *29_*       | 20            | 264,767 | Train 2x2 splits from scratch with instance norm filtering out masks with less than a 25% of labelled pixels | <a href="#">Report</a>            |