Widefield images of GP lines coronal sections

Widefield microscopy images were taken using a slide scanner (Nanozoomer, Hamamatsu) with a x20 0.75 NA air objective (Olympus). Imaging conditions were kept constant across time, but note the different greyscale range used for presenting the different lines. Sections thickness was 50 μm; every second sections was mounted and used for imaging (see Methods section for details). Sections were mounted from anterior to posterior. For several lines (such as GP4.2 and GP5.18) only a subset of sections were mounted.
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP4.1

DOI: 10.1371/journal.pone.0108697
GP4.2
GP4.3
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP4.3

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GP4.3
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP4.4
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP4.6
GP4.6
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP4.6

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GP4.6
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP4.7
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP4.9
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP4.9

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GP4.12
GP4.12
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GP4.14
GP4.14
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP4.17
GP4.17
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP4.17
GP5.1
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GP5.1

[Image of brain slices with grey-scale intensity levels ranging from 0 to 500]
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GP5.1

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GP5.3
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP5.3
GP5.5

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GP5.5

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GP5.9
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP5.9
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP5.10
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP5.10
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP5.11
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP5.12
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.
GP5.12
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP5.14

DOI: 10.1371/journal.pone.0108697
GP5.14
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GP5.14
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP5.14
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP5.15
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

GP5.15

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GP5.17
Thy1-GCaMP6 Transgenic Mice for Neuronal Population Imaging In Vivo.

**GP5.17**

![Image of brain sections](image_url)
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GP5.17

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GP5.21