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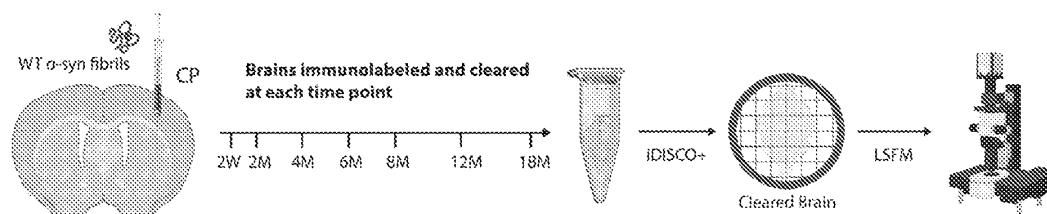


FIG. 1A

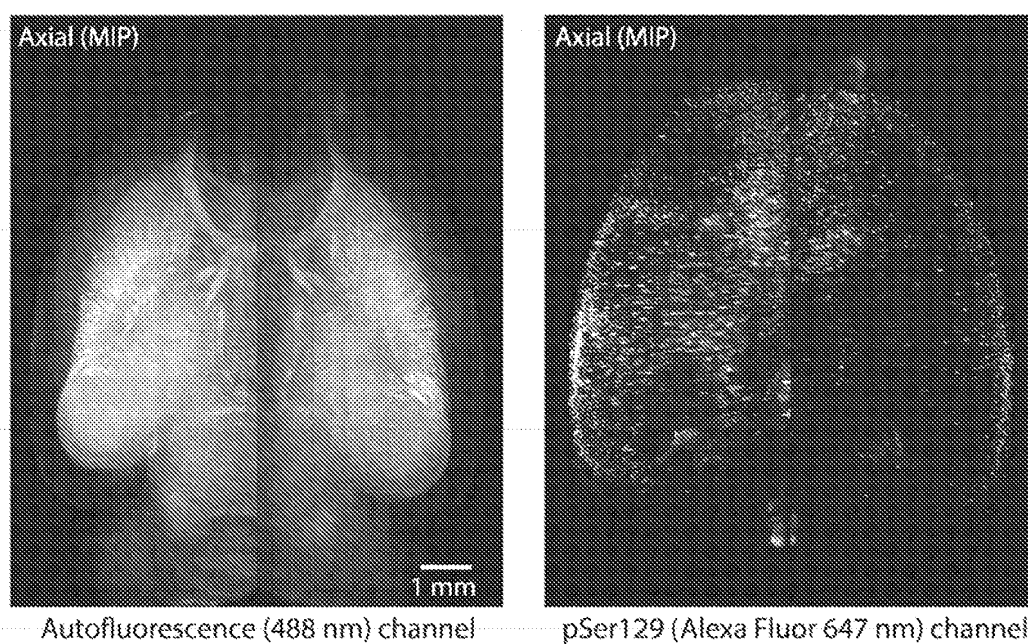


FIG. 1B

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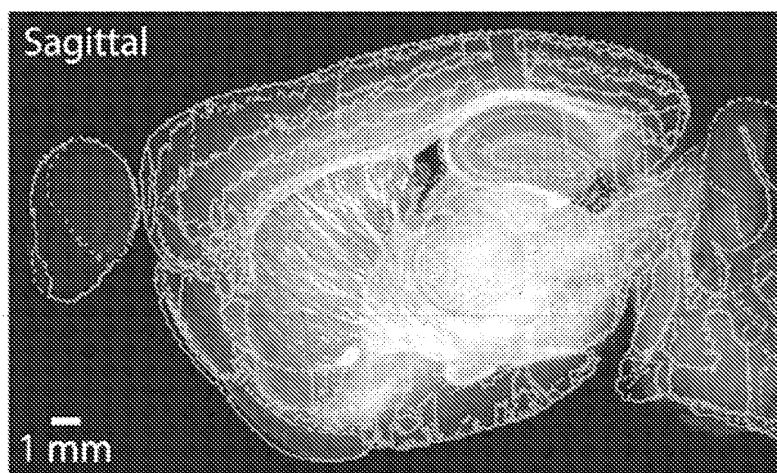


FIG. 1C

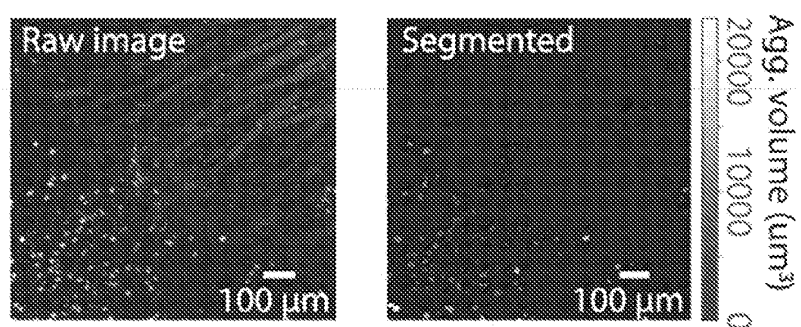


FIG. 1D

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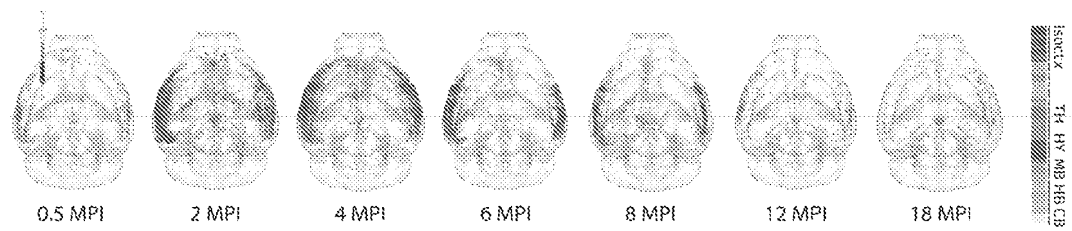


FIG. 1E

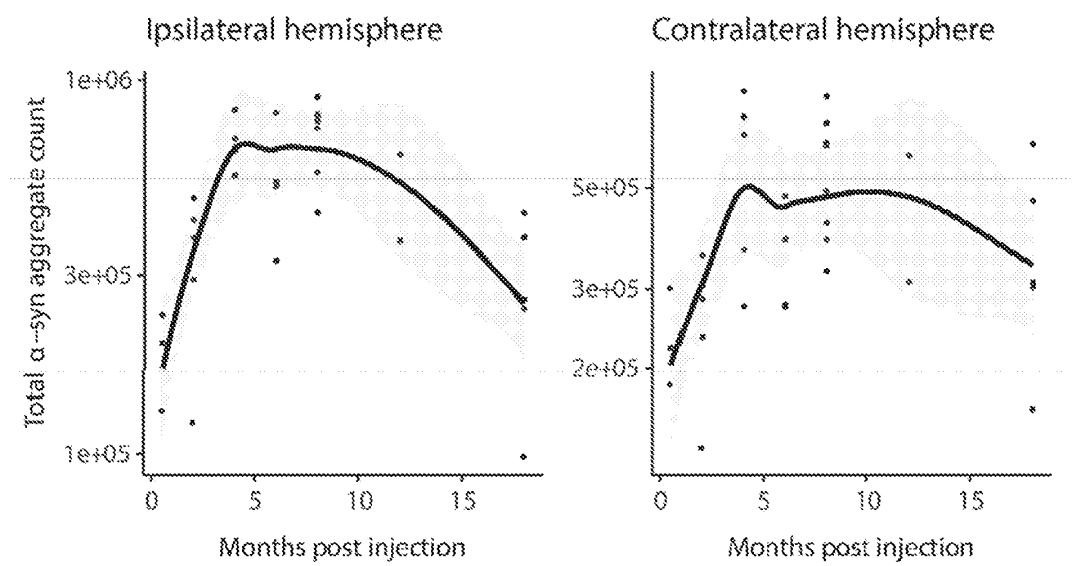


FIG. 1F

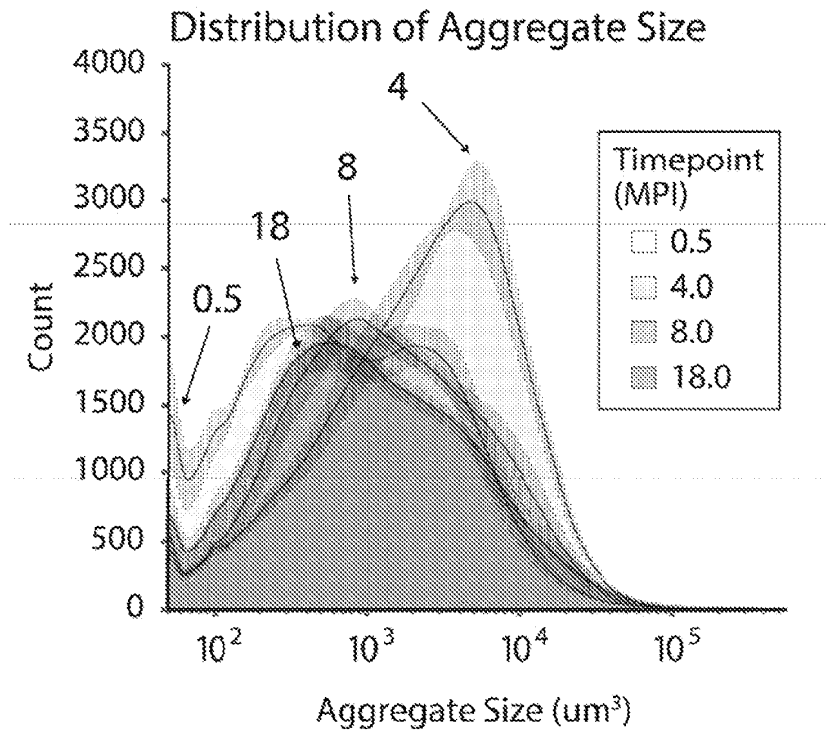


FIG. 1G

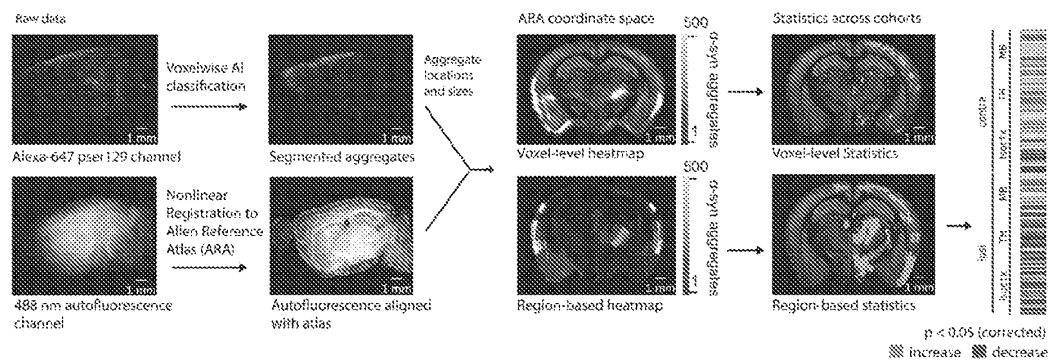


FIG. 2A

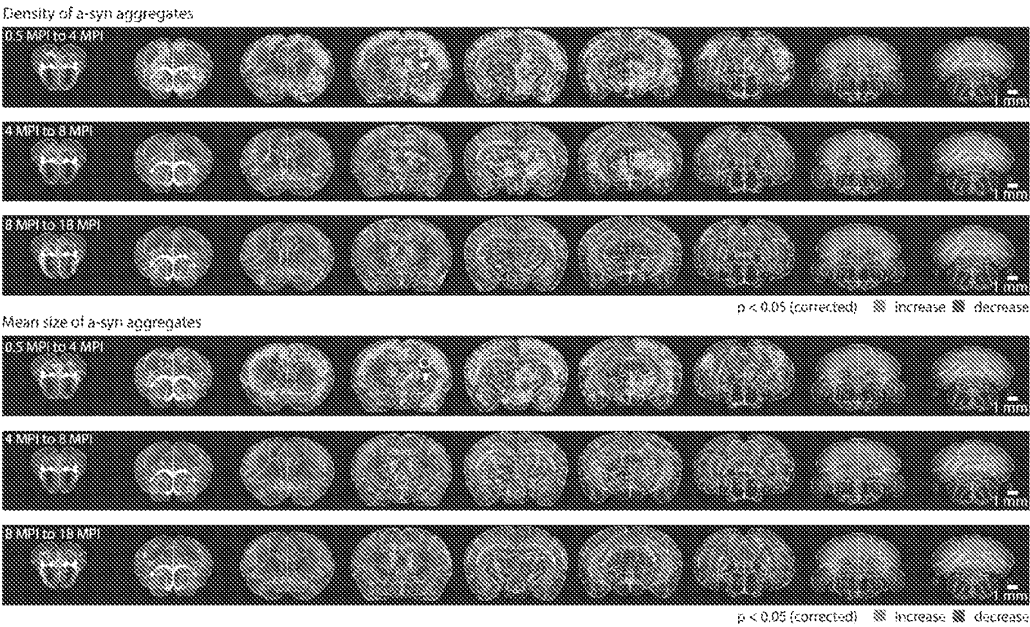


FIG. 2B

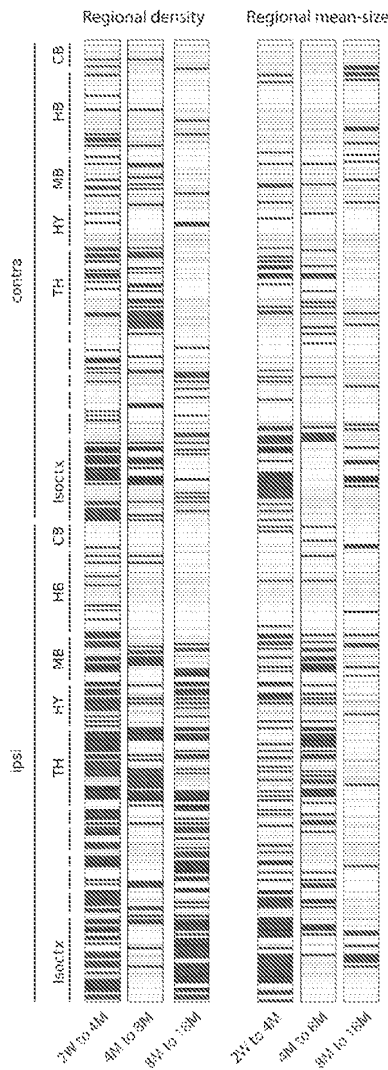


FIG. 2C

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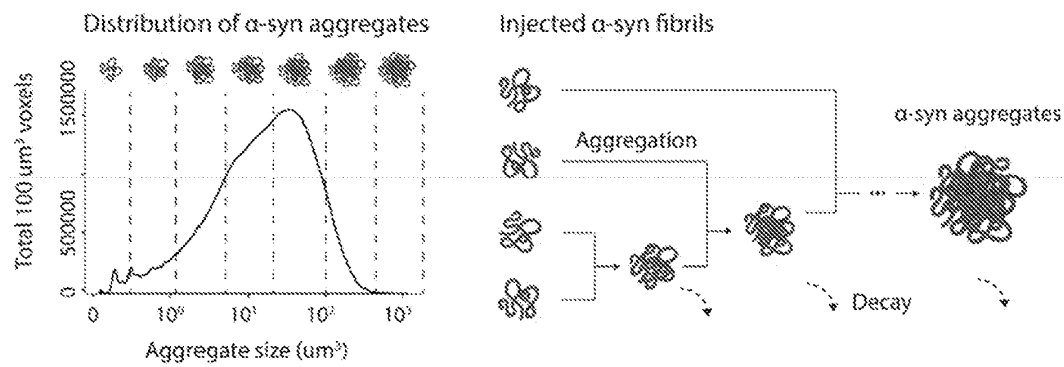


FIG. 3A

Model Connectivity

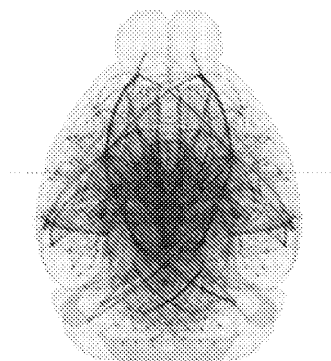


FIG. 3B

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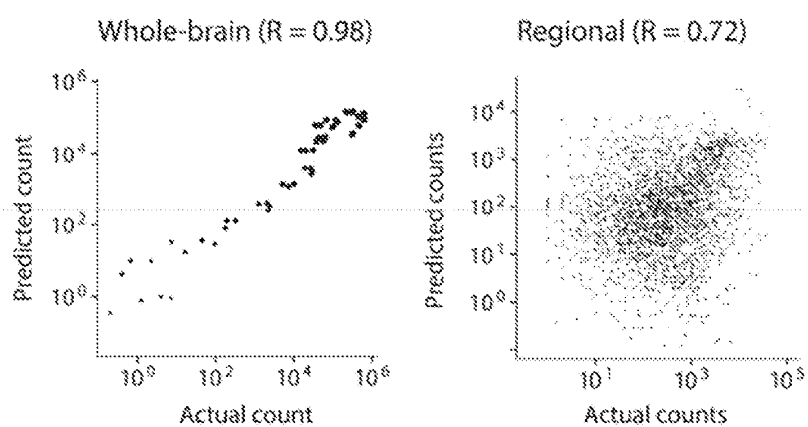


FIG. 3C

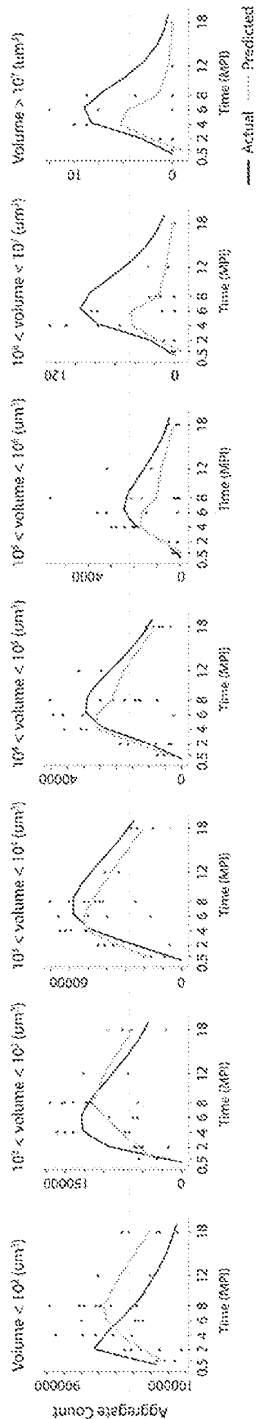


FIG. 3D

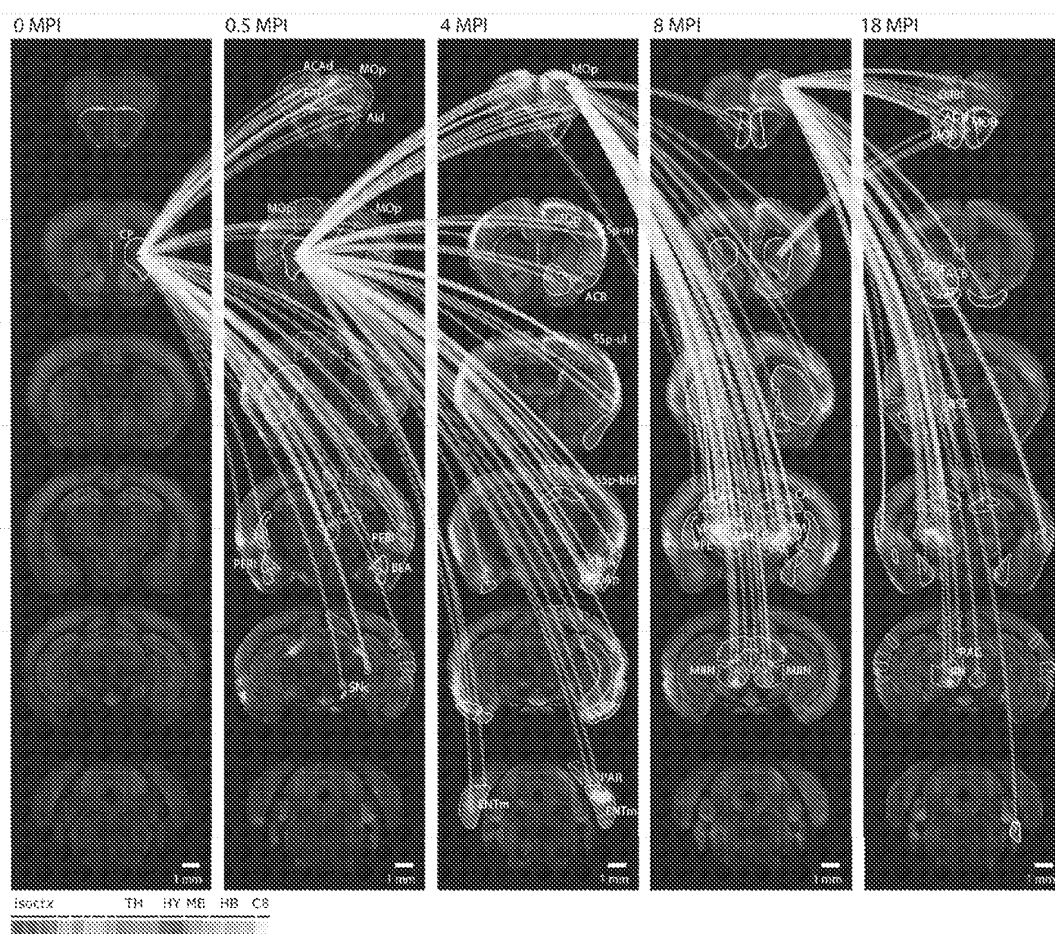


FIG. 3E

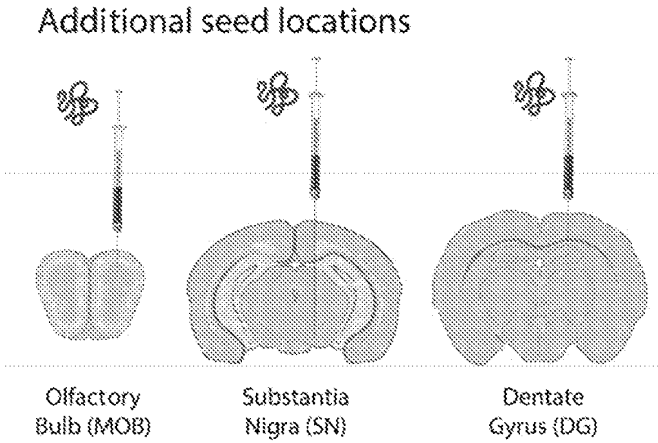


FIG. 4A

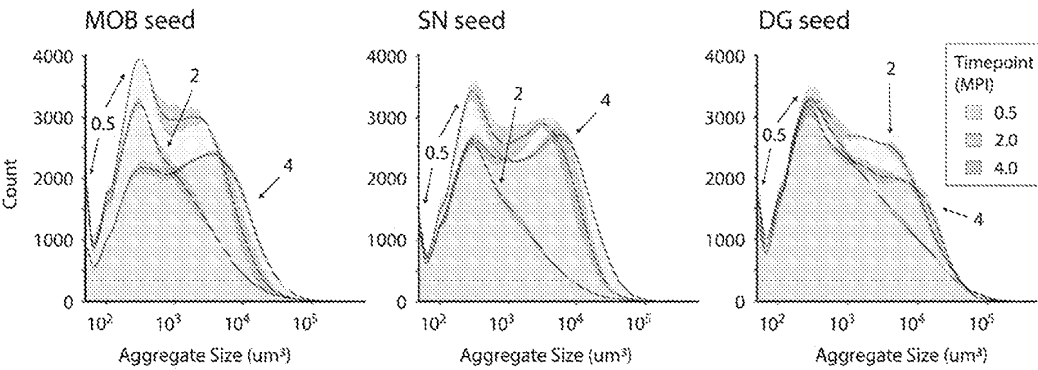


FIG. 4B

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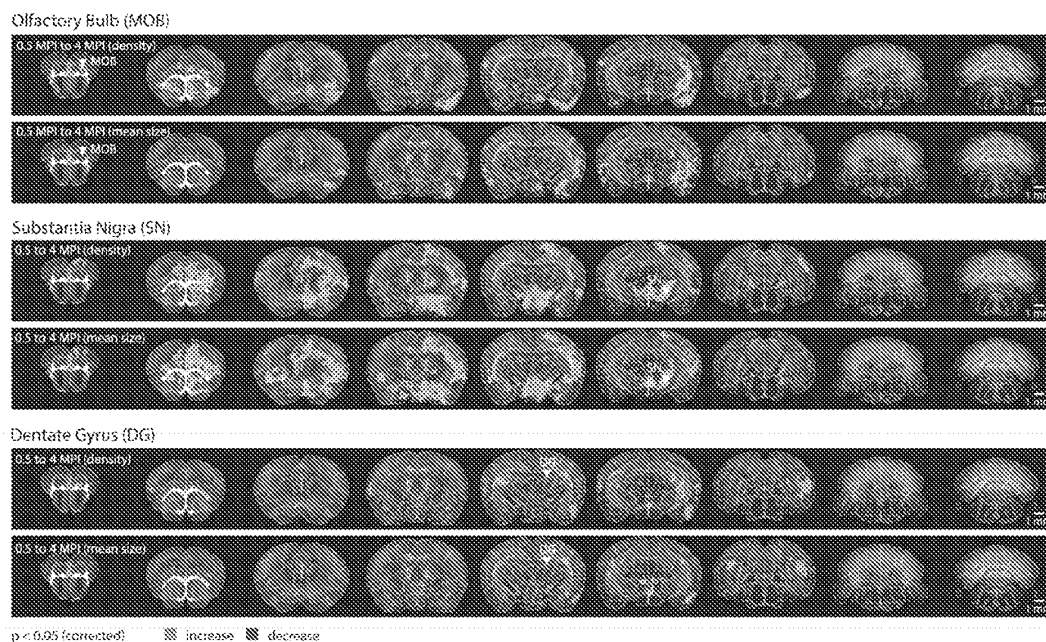


FIG. 4C

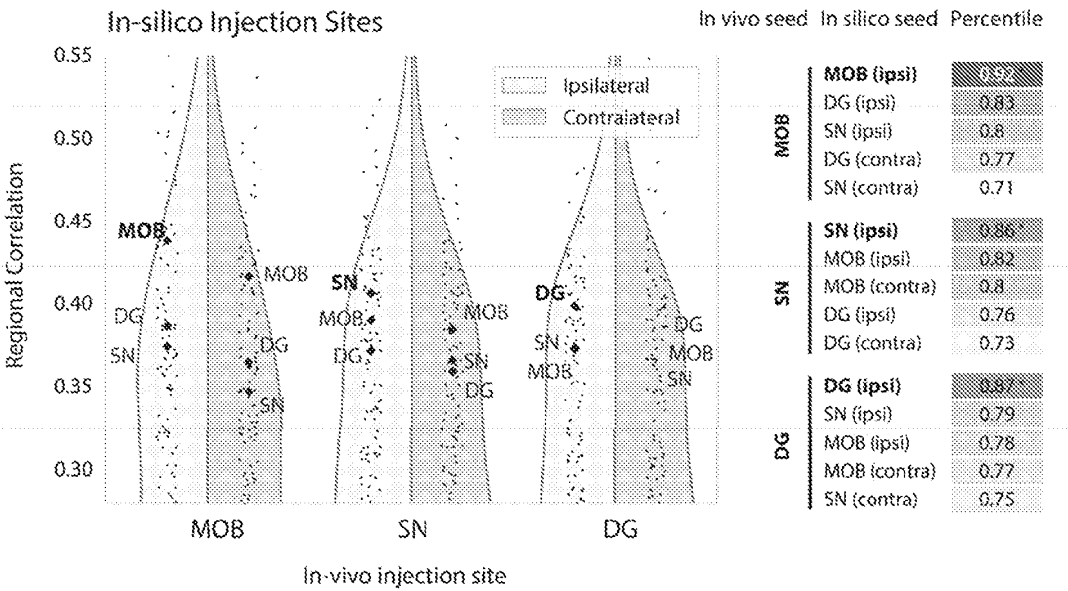


FIG. 4D

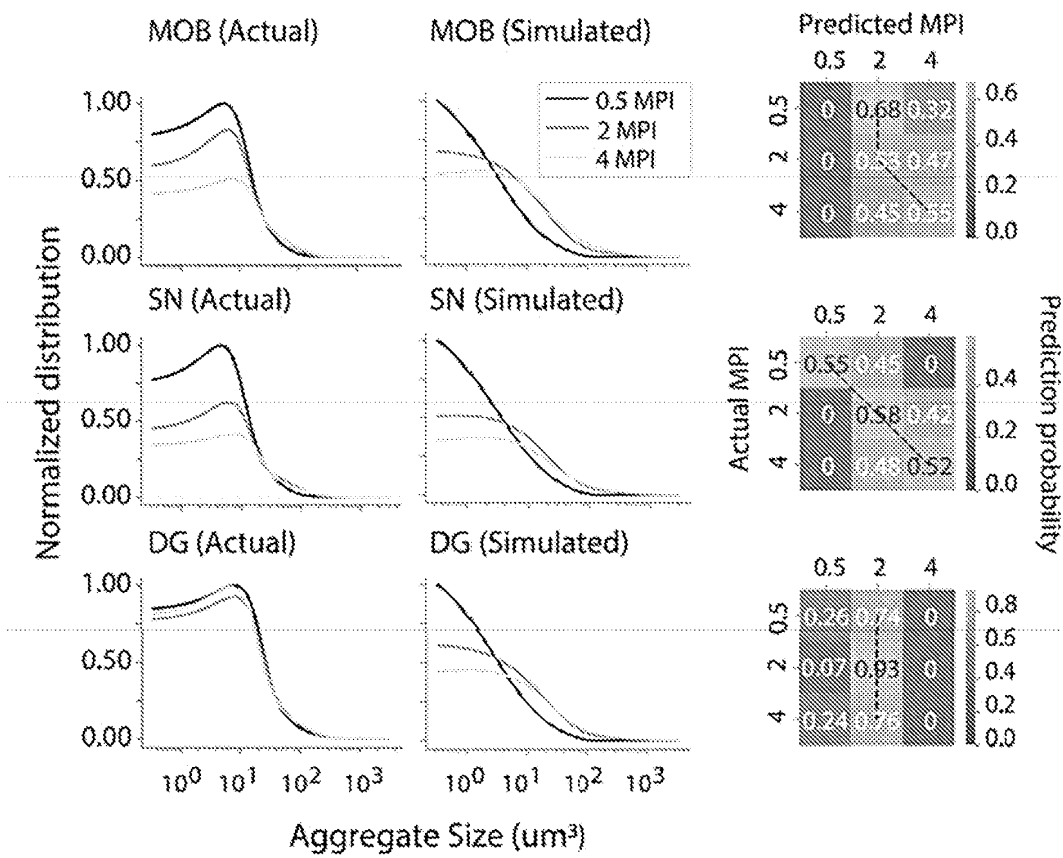


FIG. 4E

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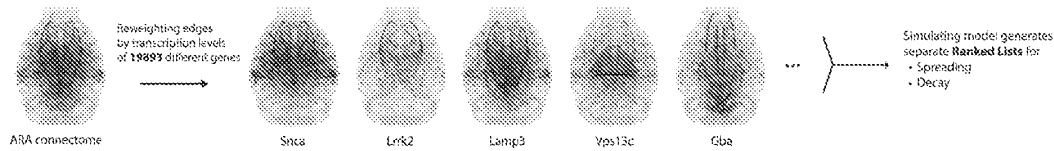


FIG. 5A

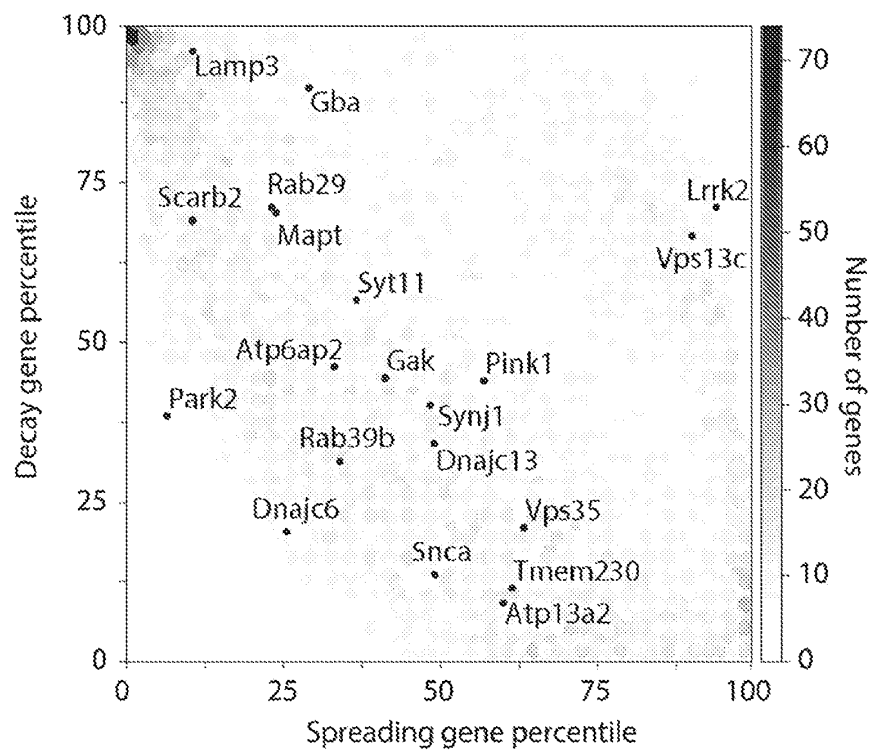


FIG. 5B

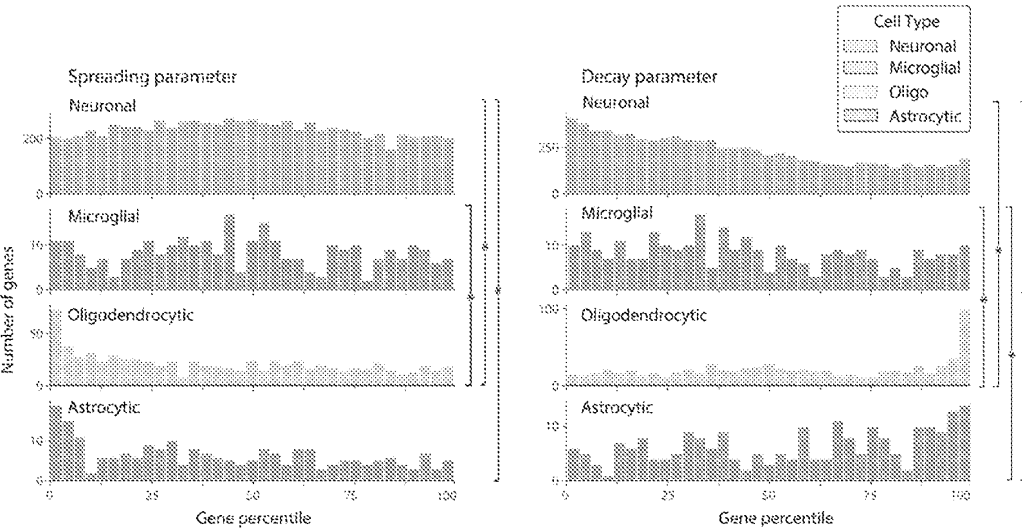


FIG. 5C

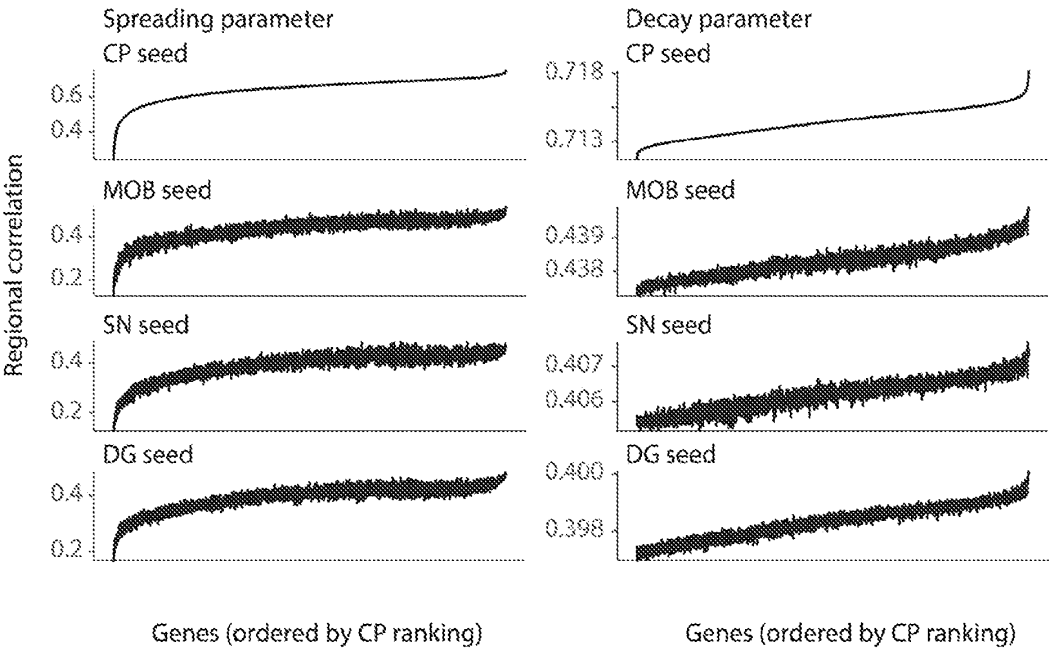


FIG. 5D

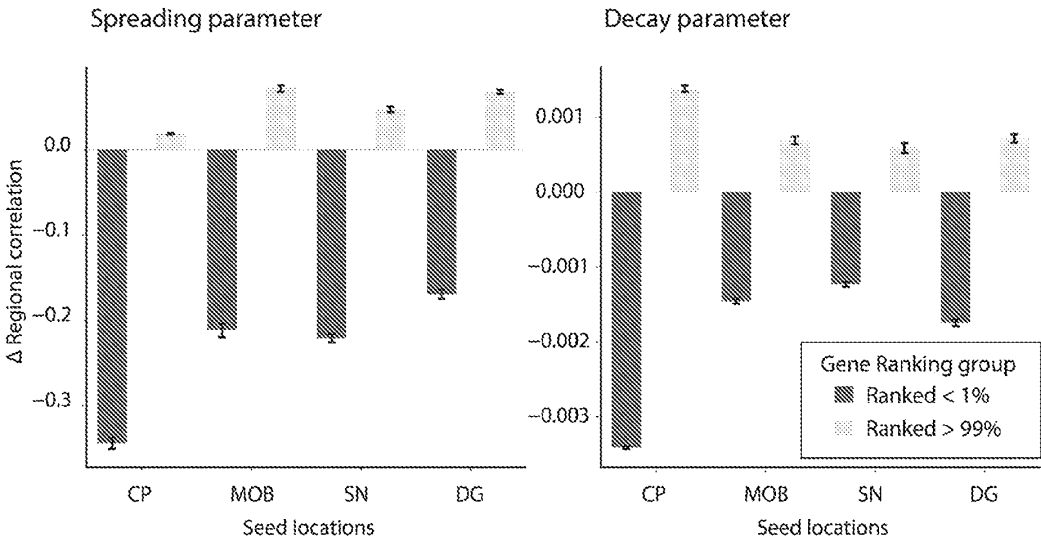


FIG. 5E

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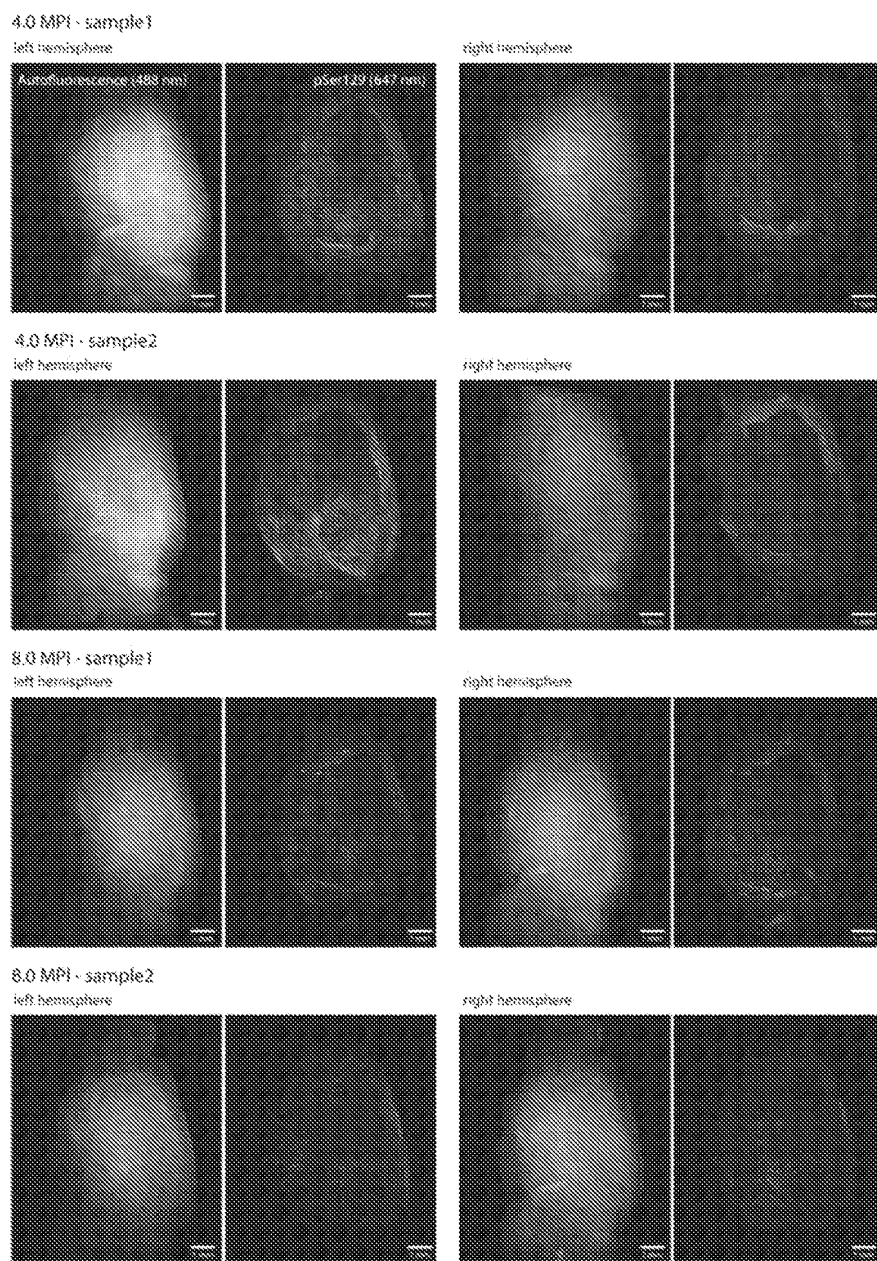


FIG. 6

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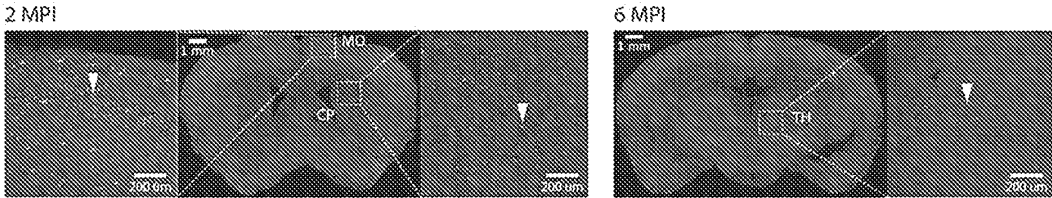


FIG. 7A

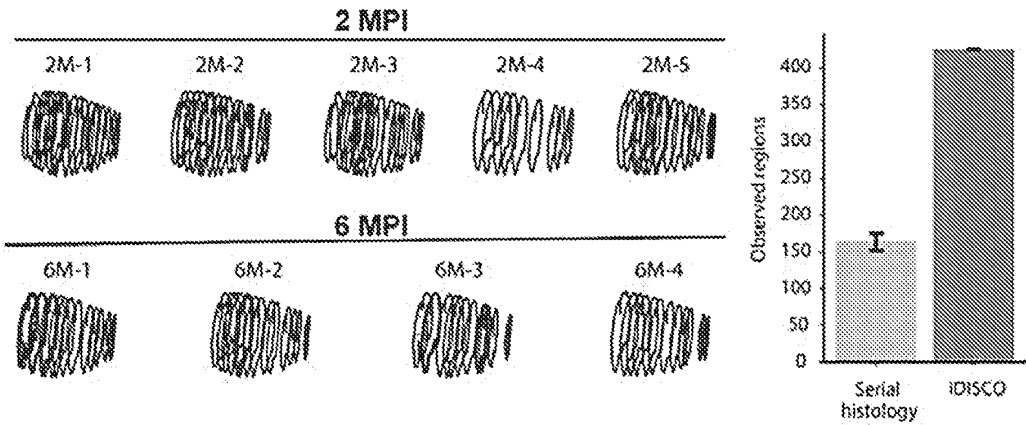


FIG. 7B

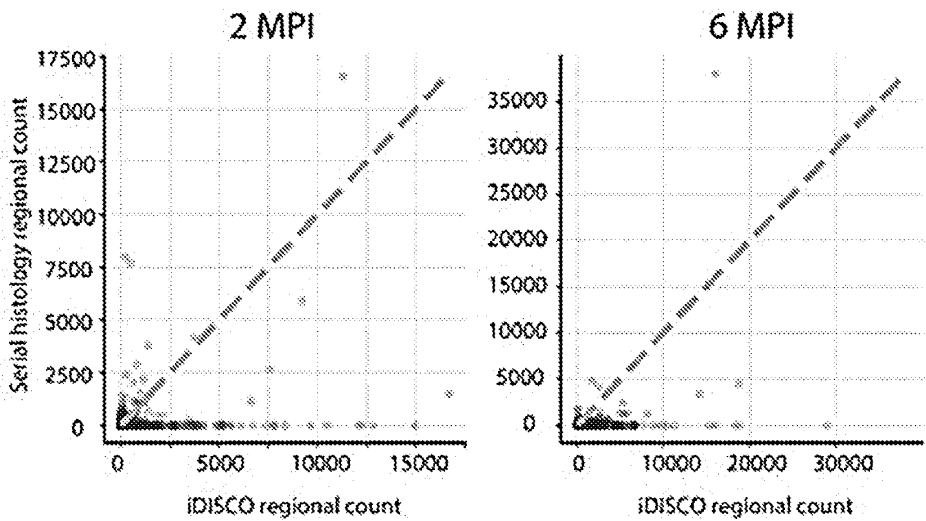


FIG. 7C

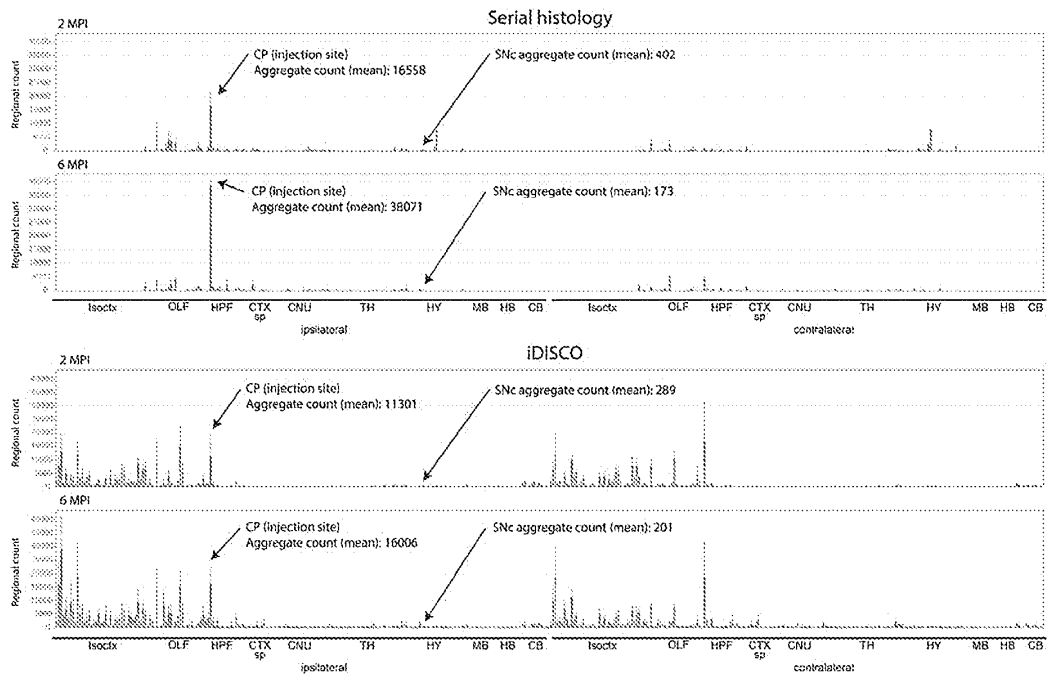


FIG. 7D

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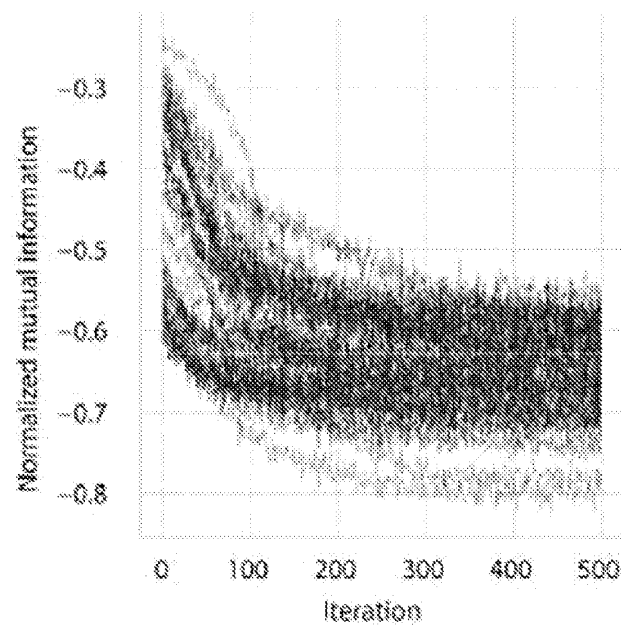


FIG. 8A

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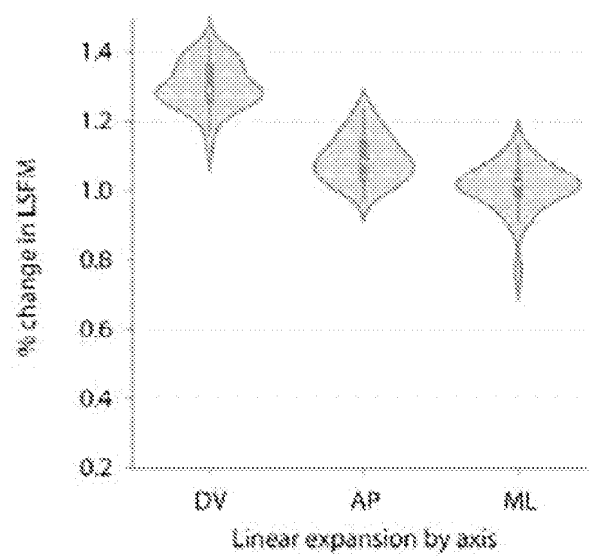


FIG. 8B

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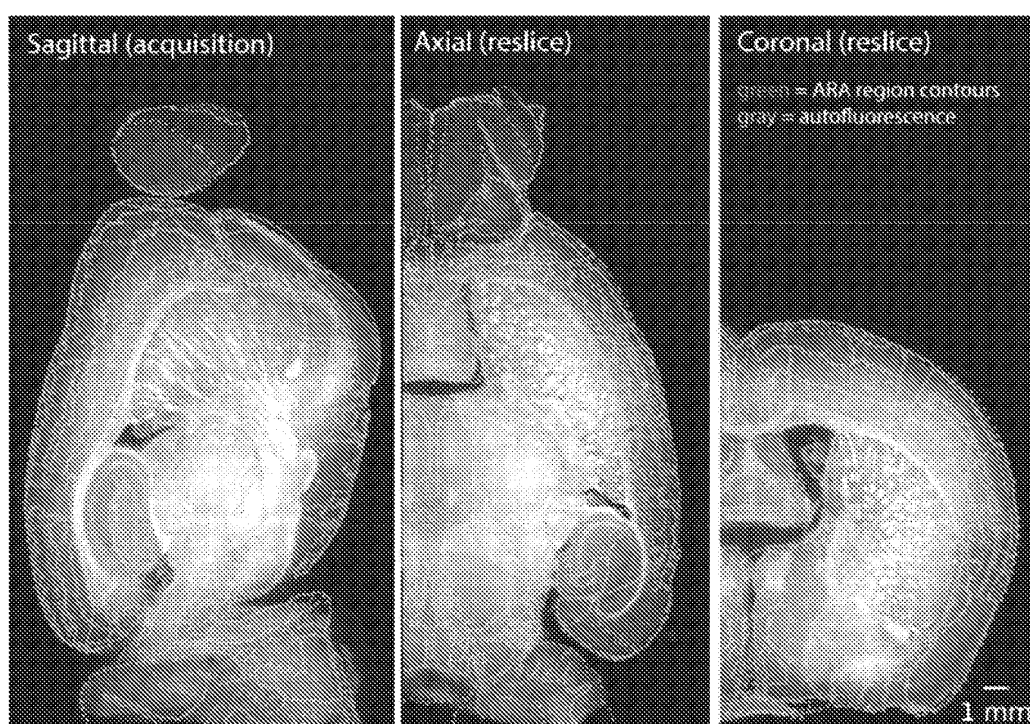


FIG. 8C

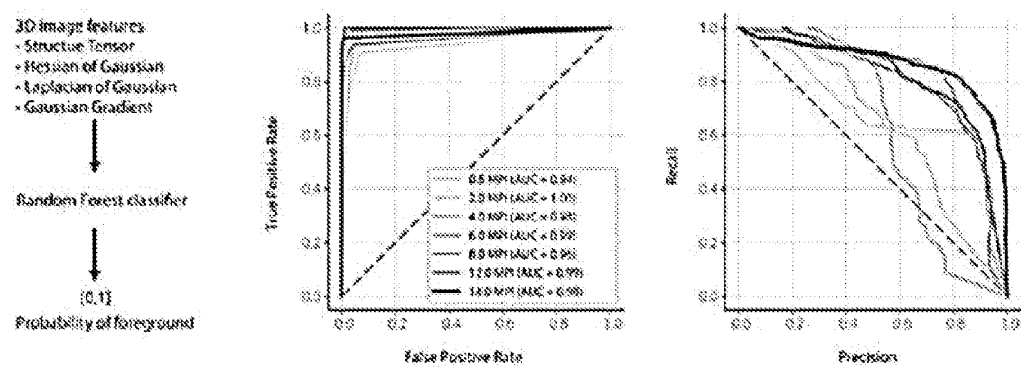


FIG. 9A

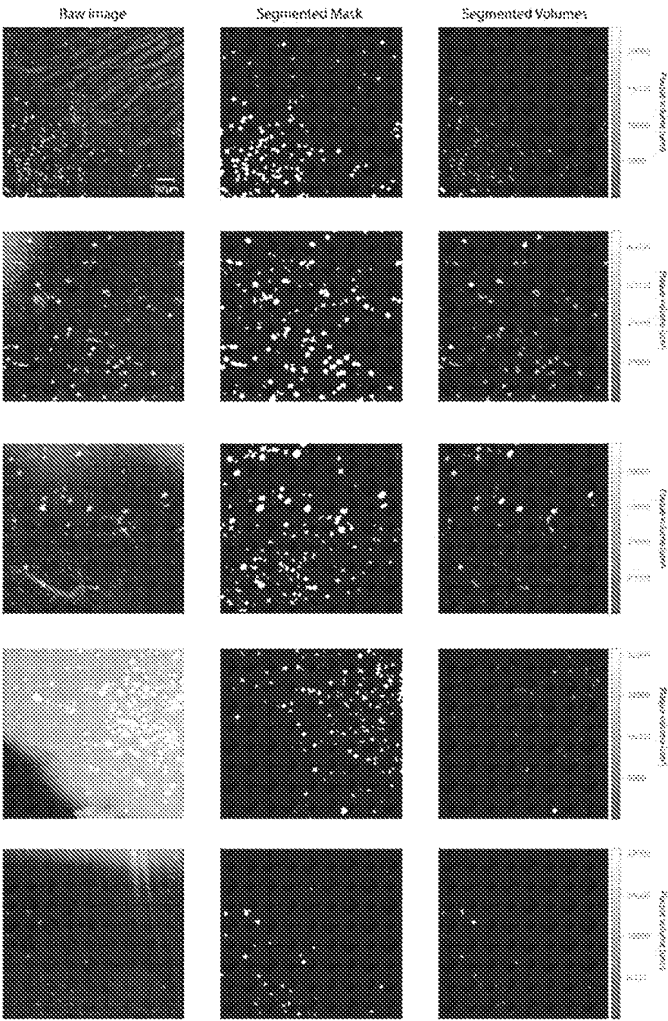


FIG. 9B

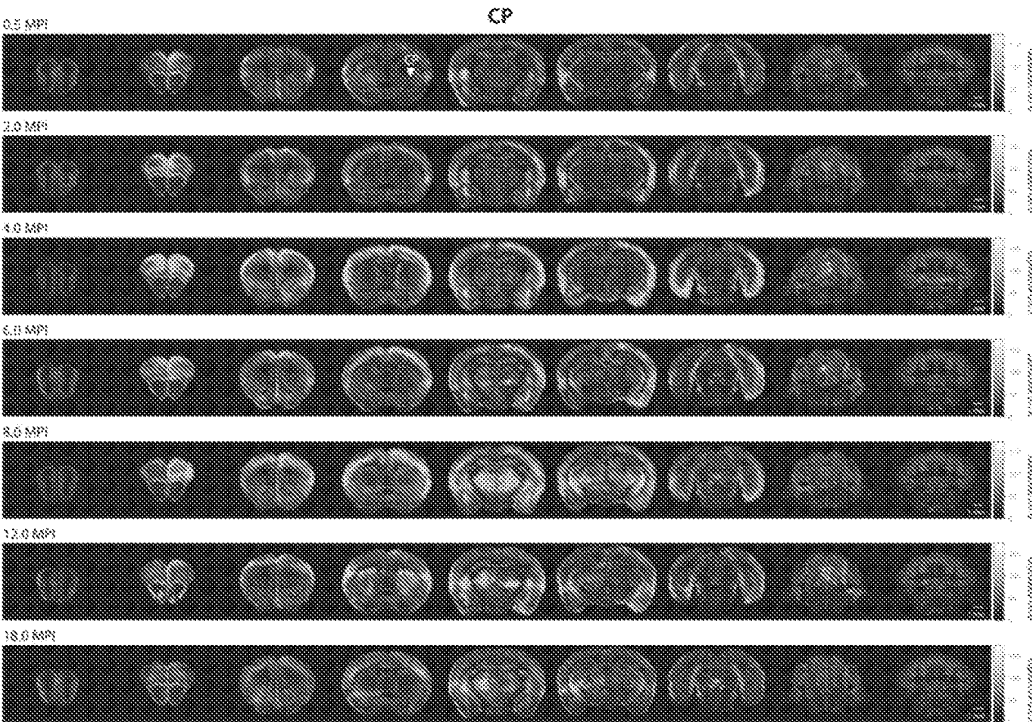


FIG. 10

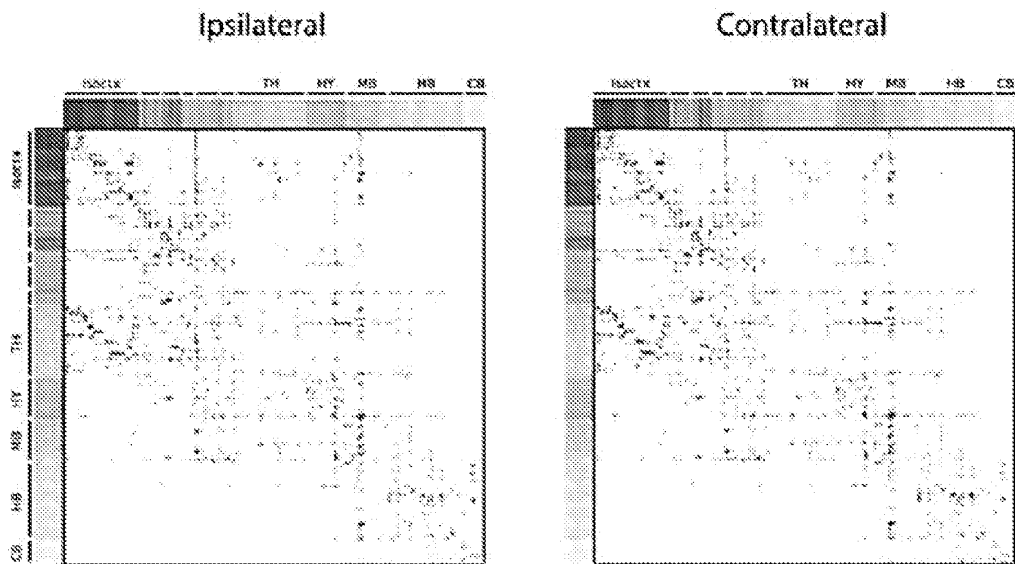


FIG. 11A



FIG. 11B

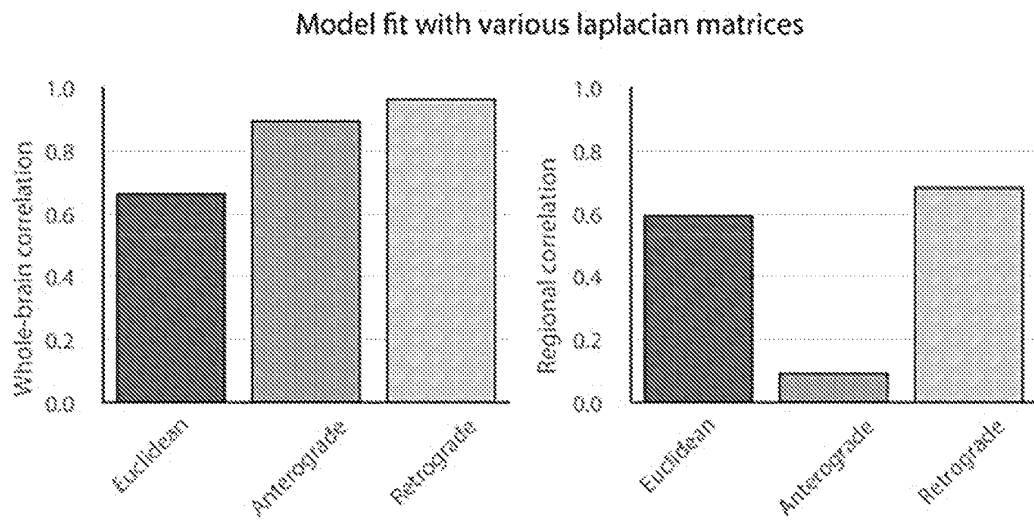


FIG. 11C

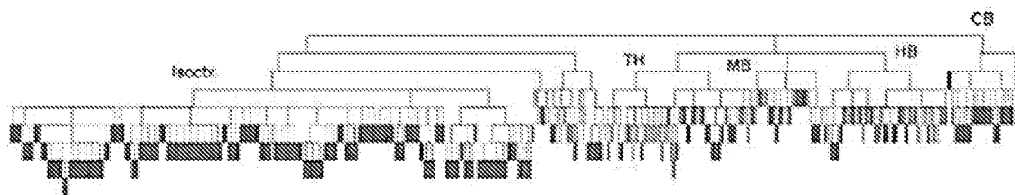


FIG. 11D

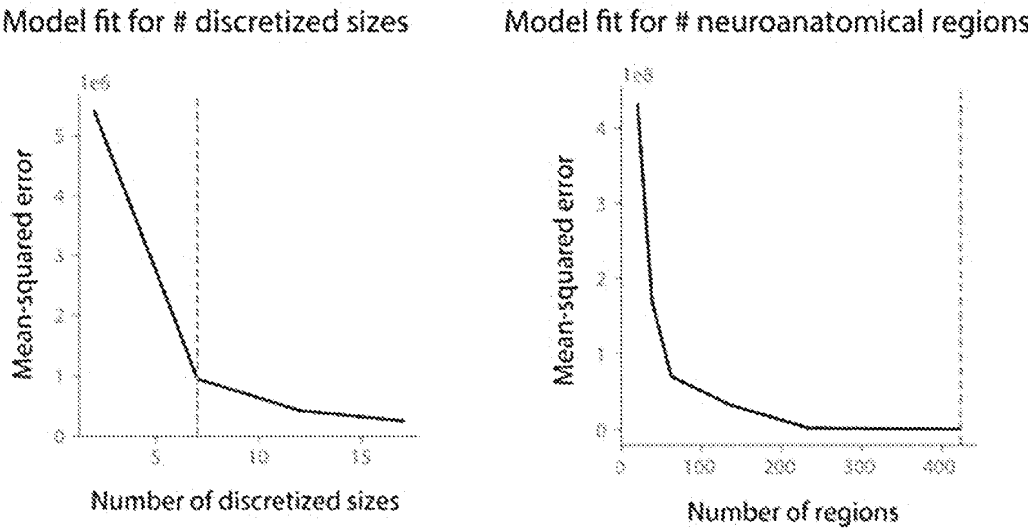


FIG. 11E

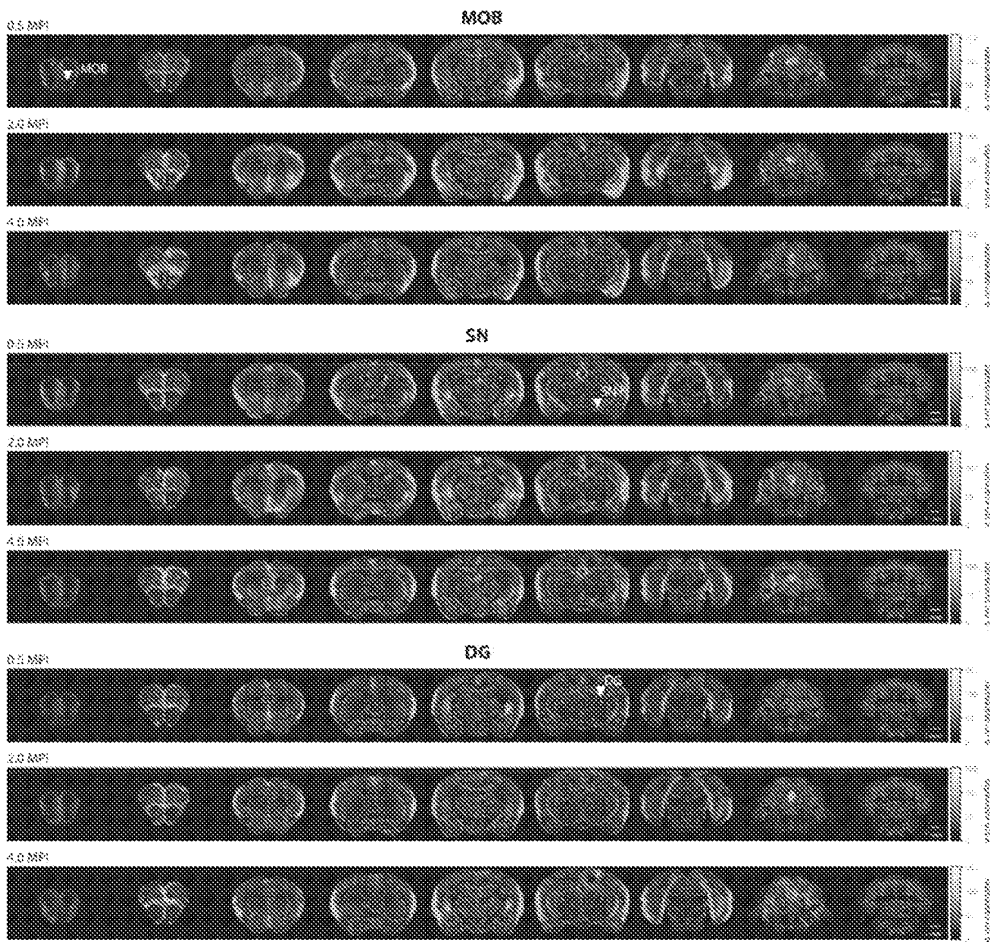


FIG. 12

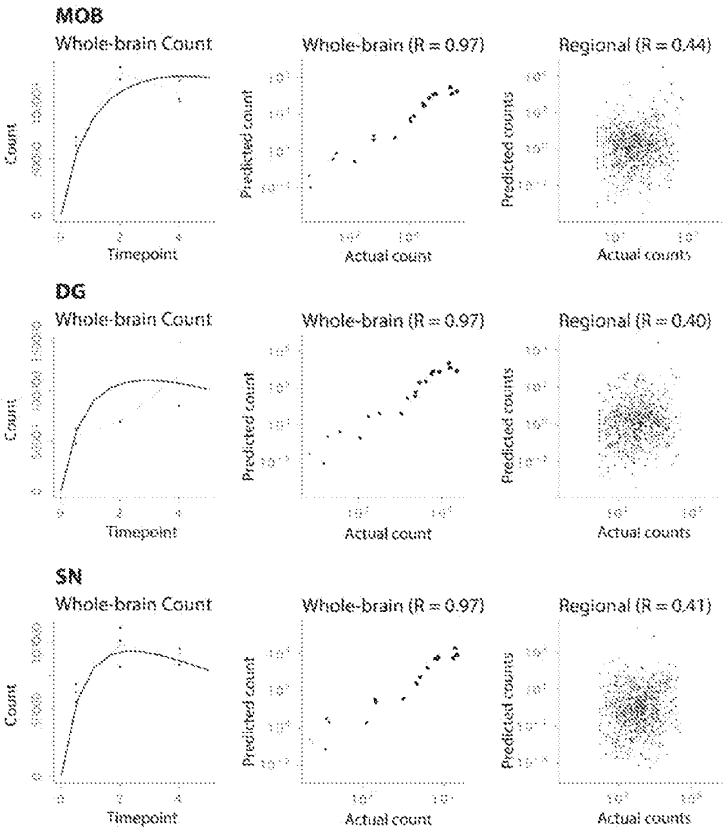


FIG. 13A

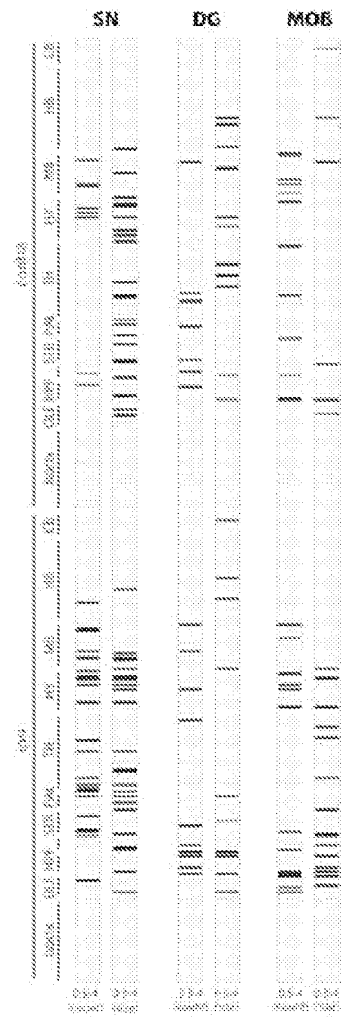


FIG. 13B

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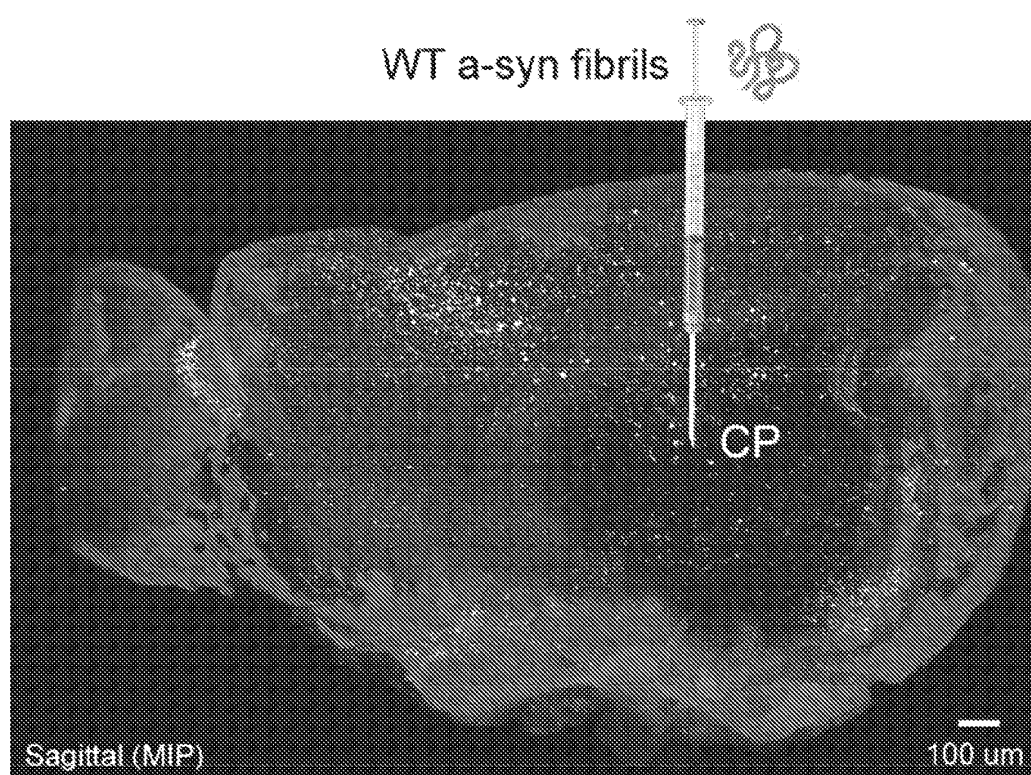


FIG. 14A

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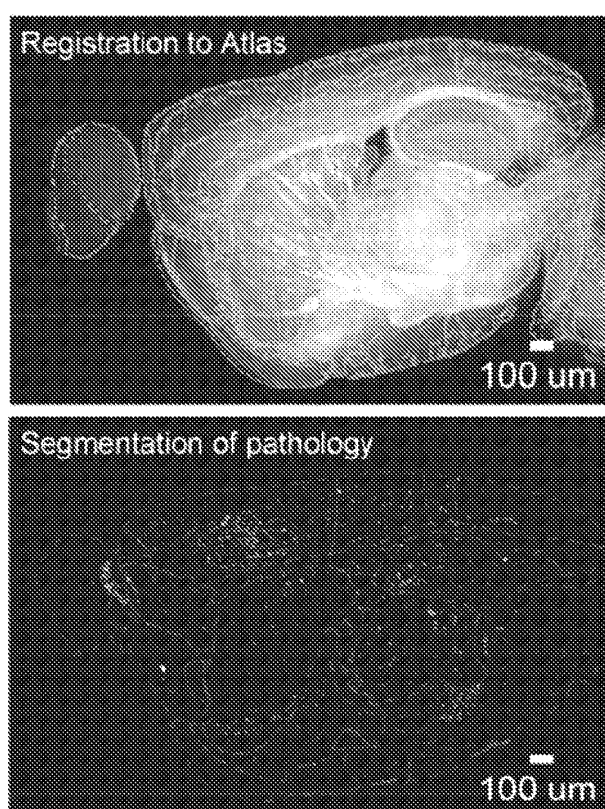


FIG. 14B

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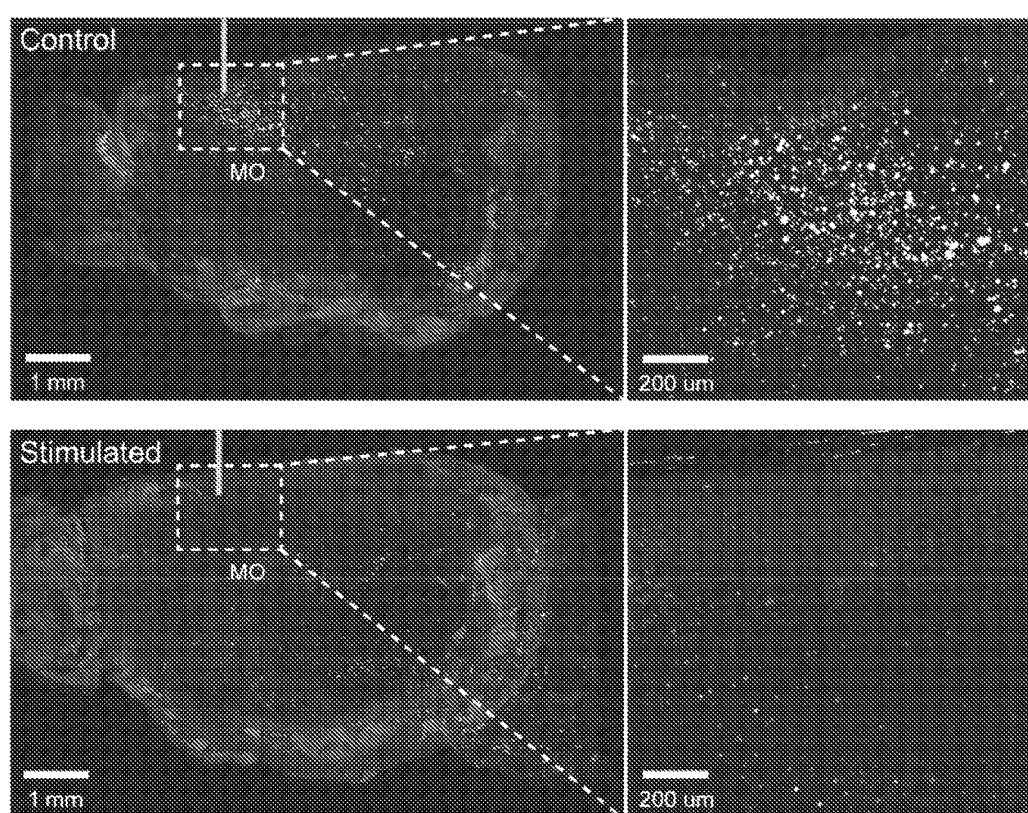


FIG. 15B

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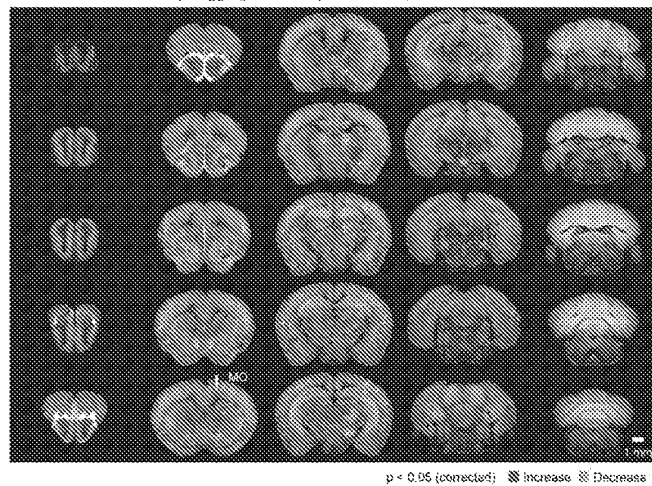
Stimulation effect on α -syn aggregate count (25- μ m voxel)

FIG. 16A

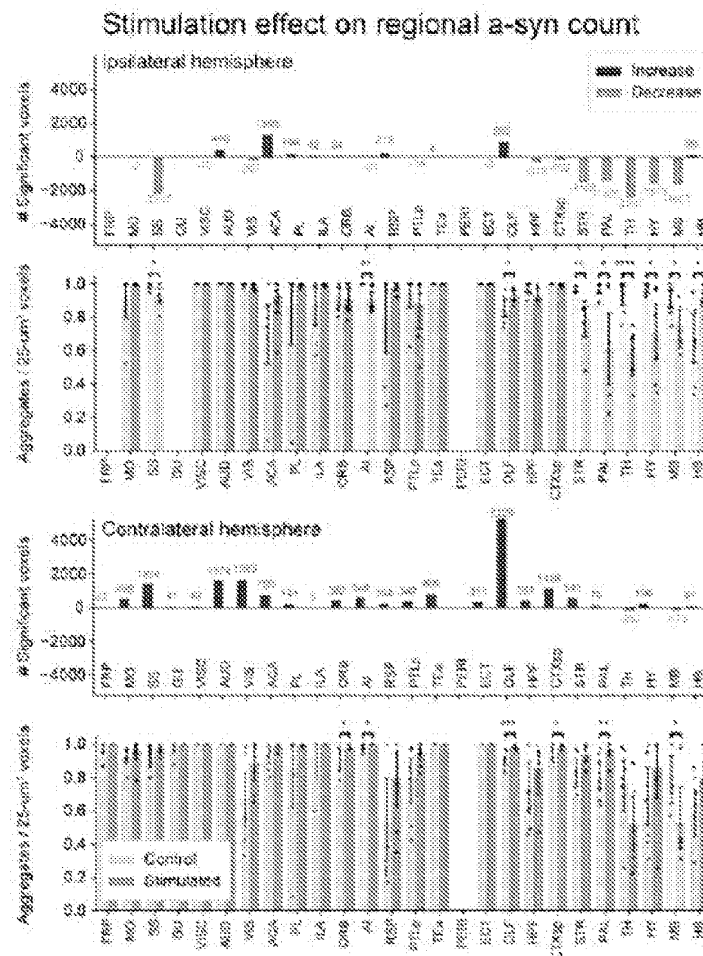


FIG. 16B

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Optogenetic fMRI Setup

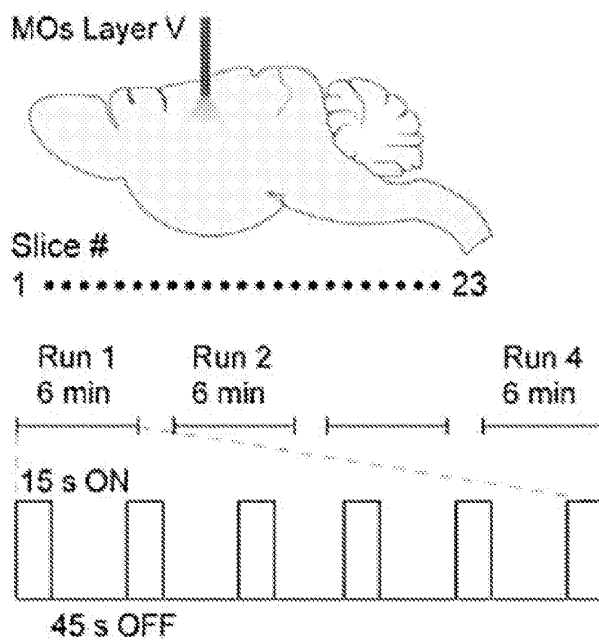


FIG. 17A

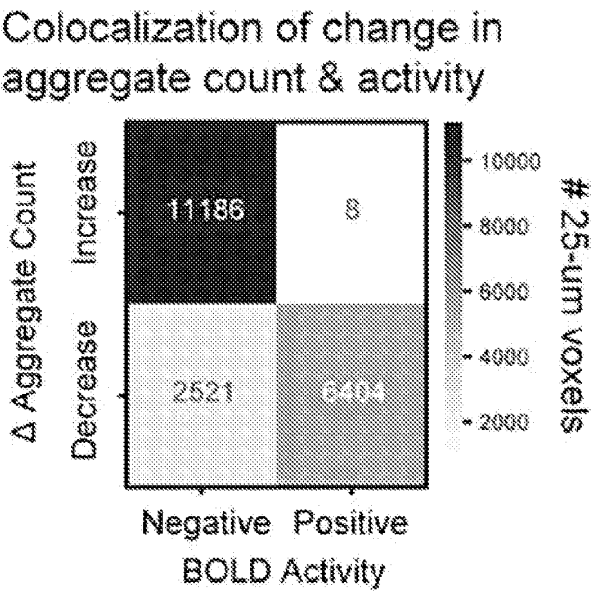


FIG. 17B

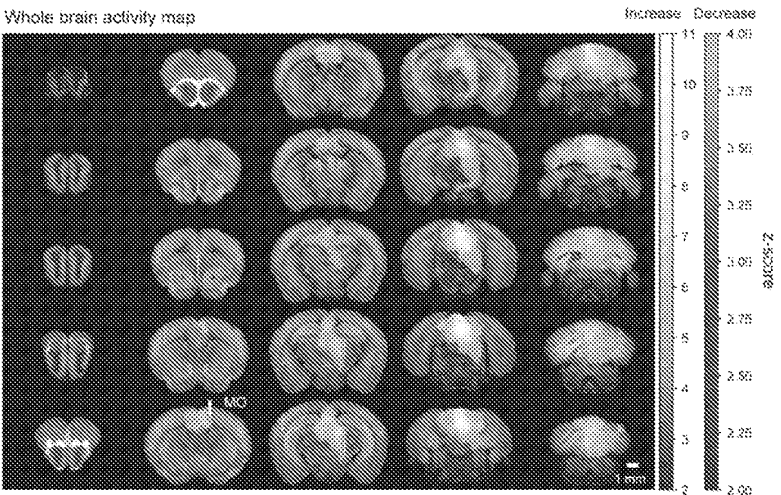


FIG. 17C

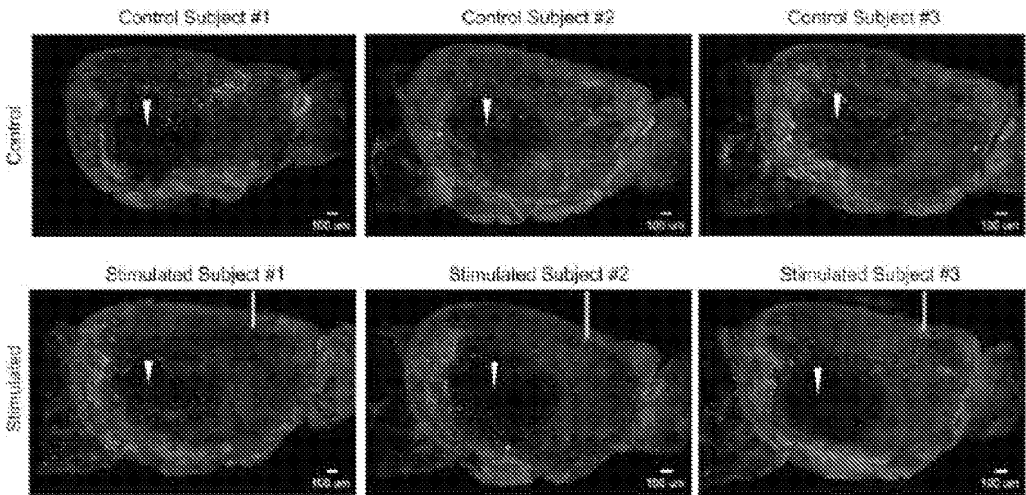


FIG. 18

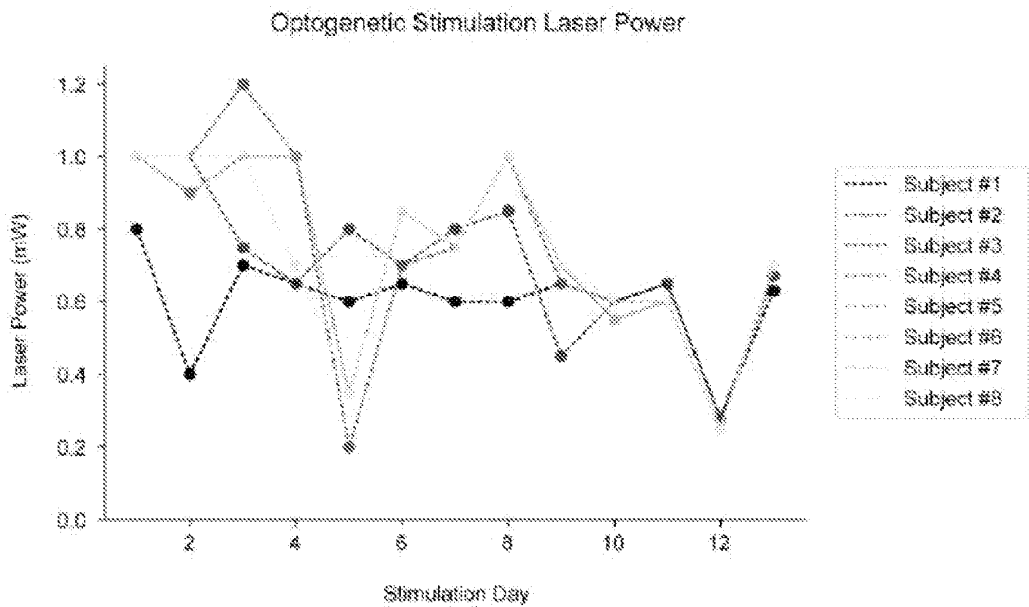


FIG. 19

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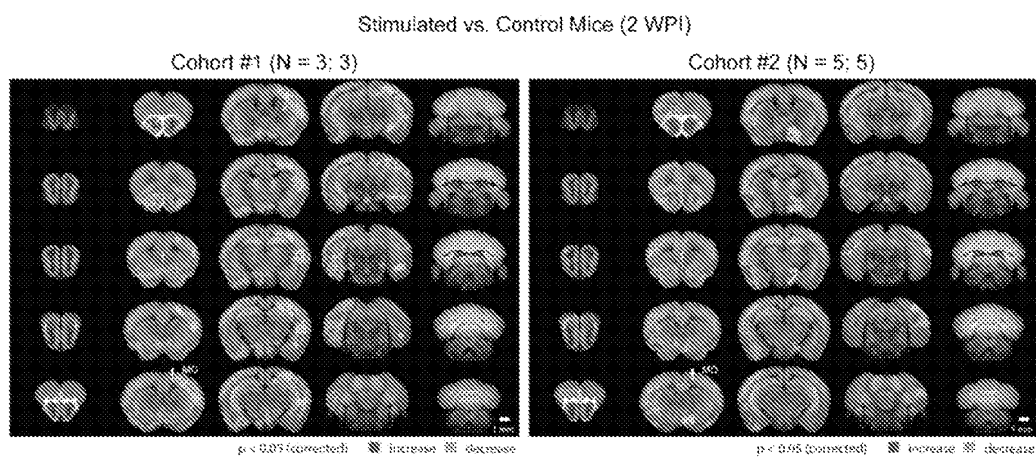
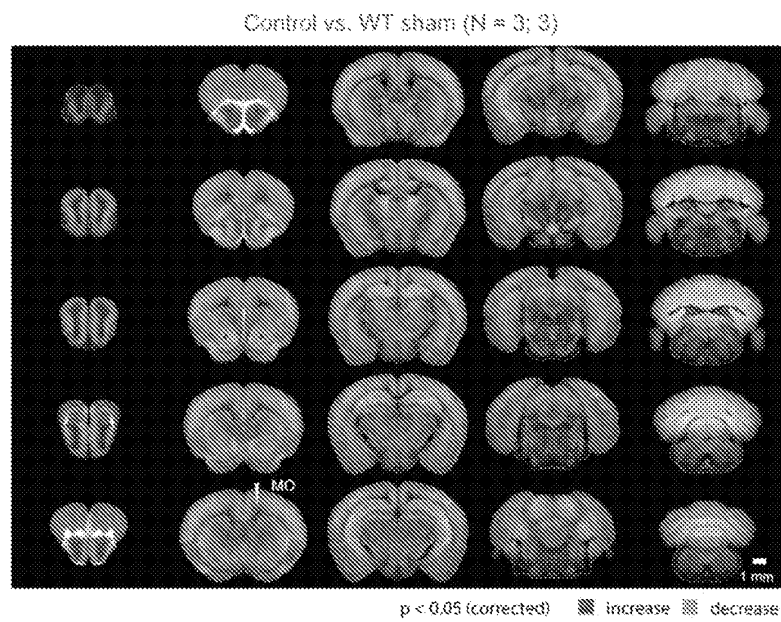


FIG. 20

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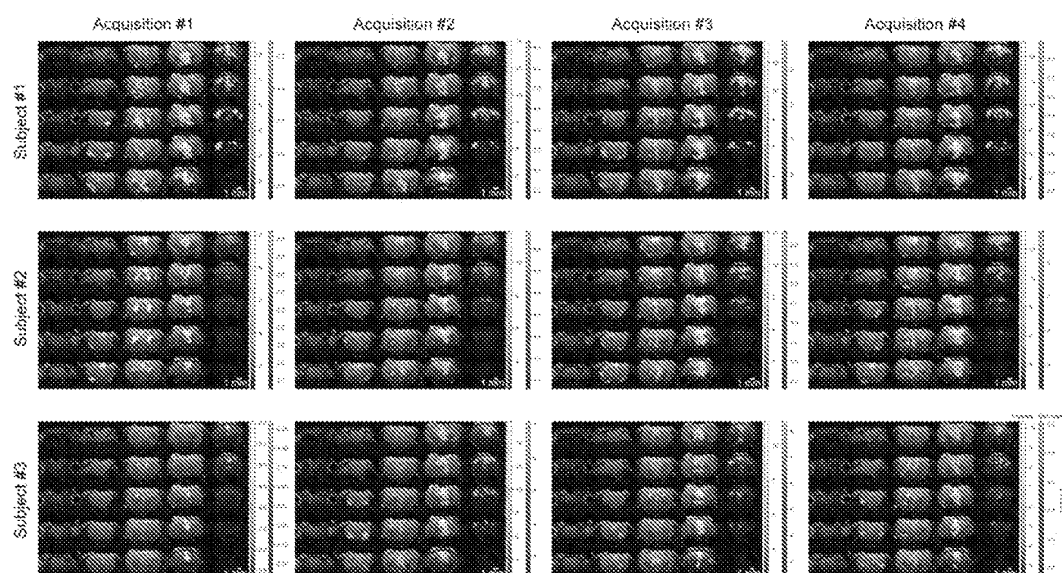


FIG. 22

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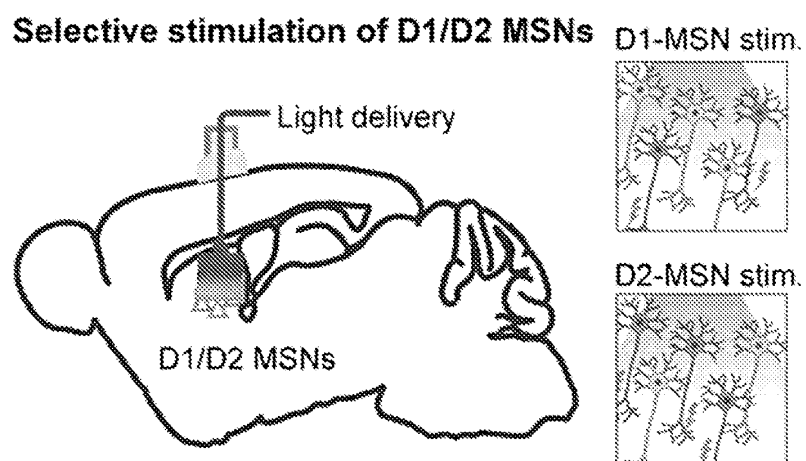


FIG. 23A

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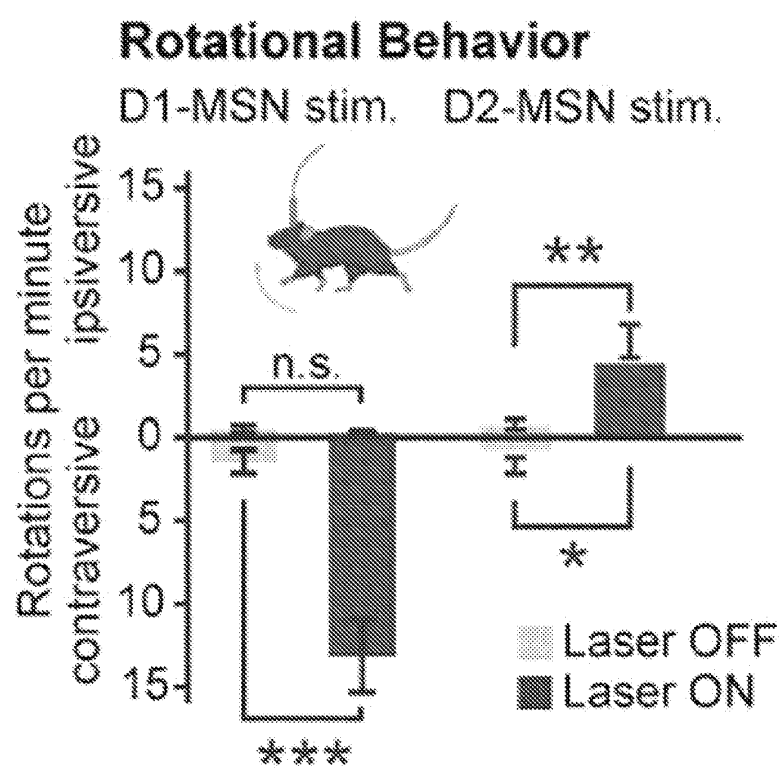


FIG. 23B

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Optogenetic fMRI Setup

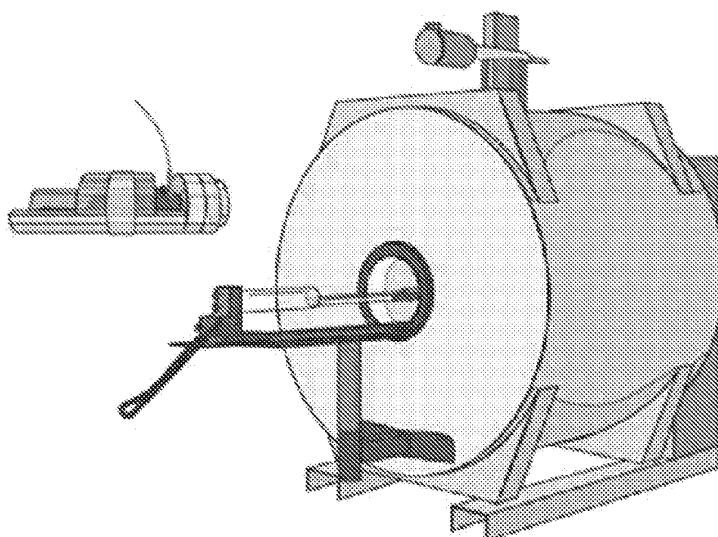
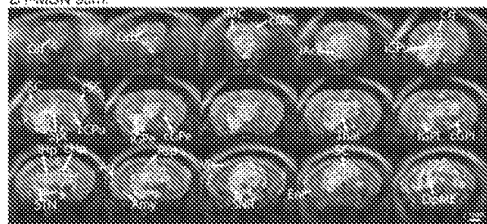


FIG. 23C

Cell-type specific optogenetic fMRI reveals distinct brain-wide activity

E1-MSN stim



E2-MSN stim

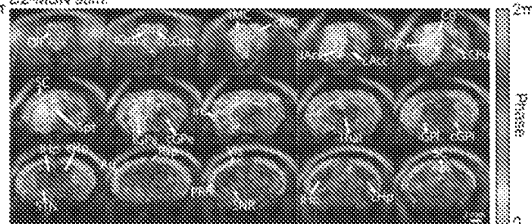


FIG. 23D

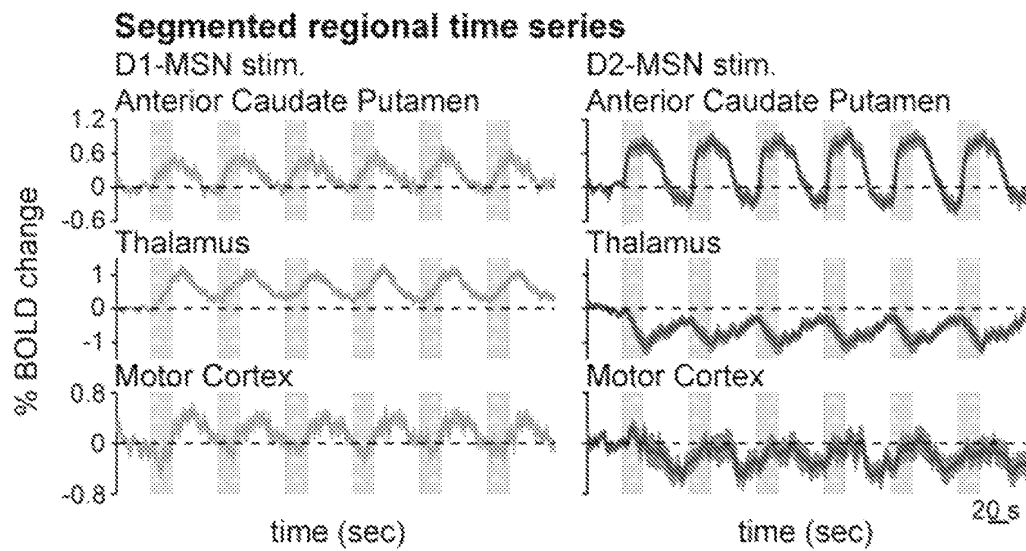


FIG. 23E

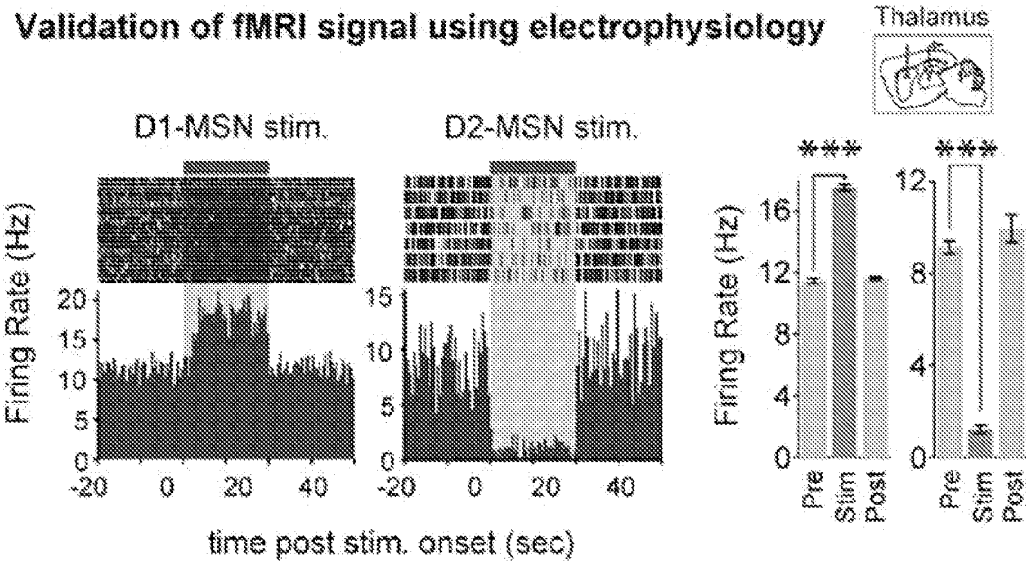


FIG. 23F

Basal Ganglia Network Nodes

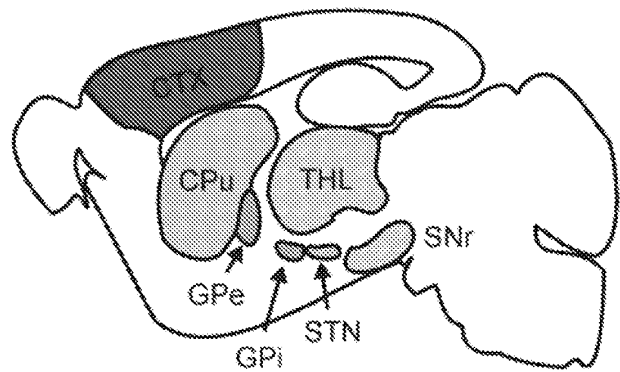


FIG. 24A

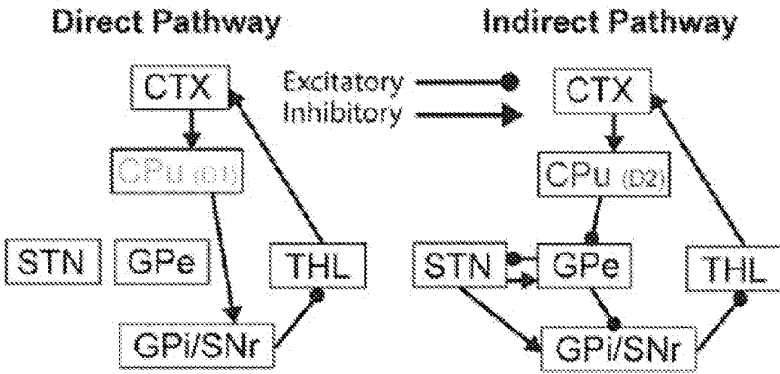


FIG. 24B

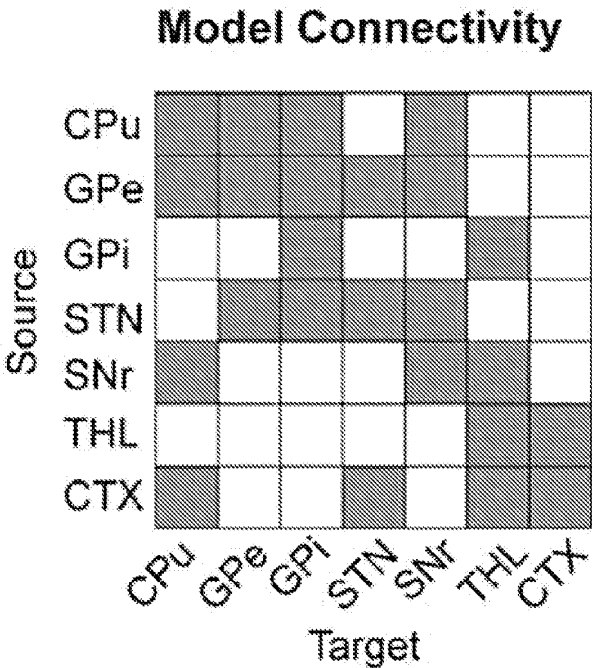


FIG. 24C

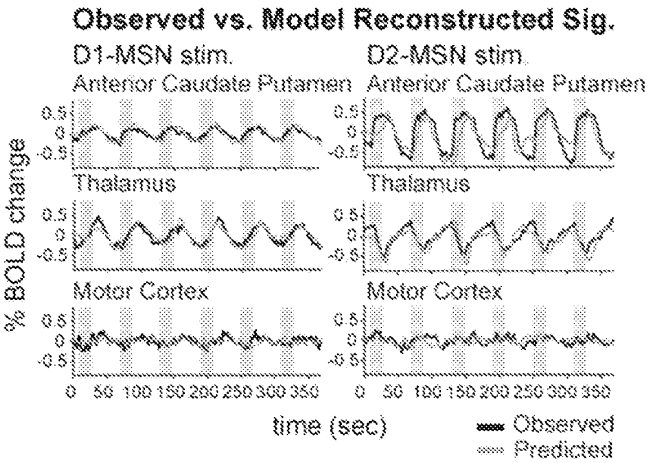


FIG. 24D

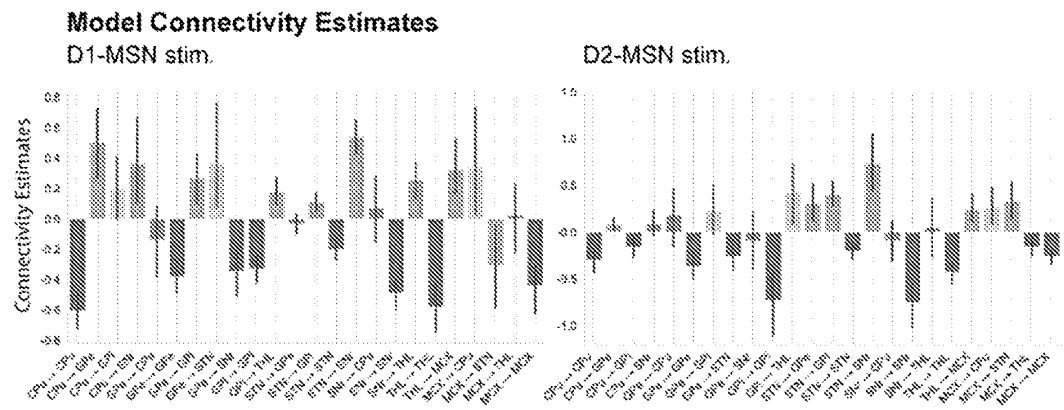


FIG. 24E

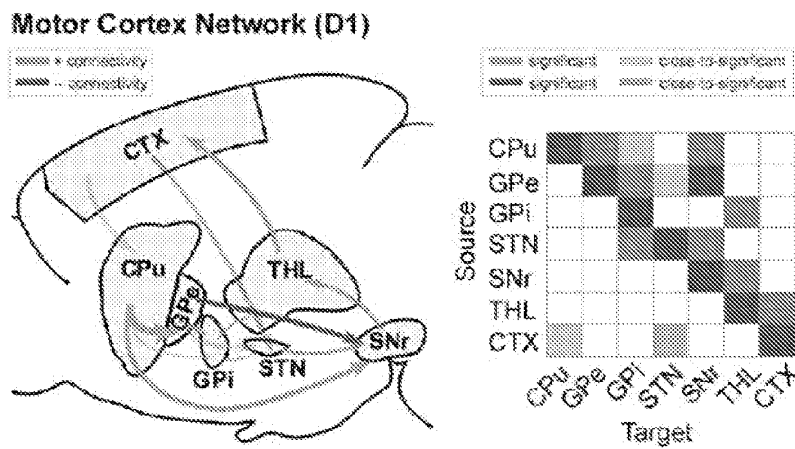


FIG. 24F

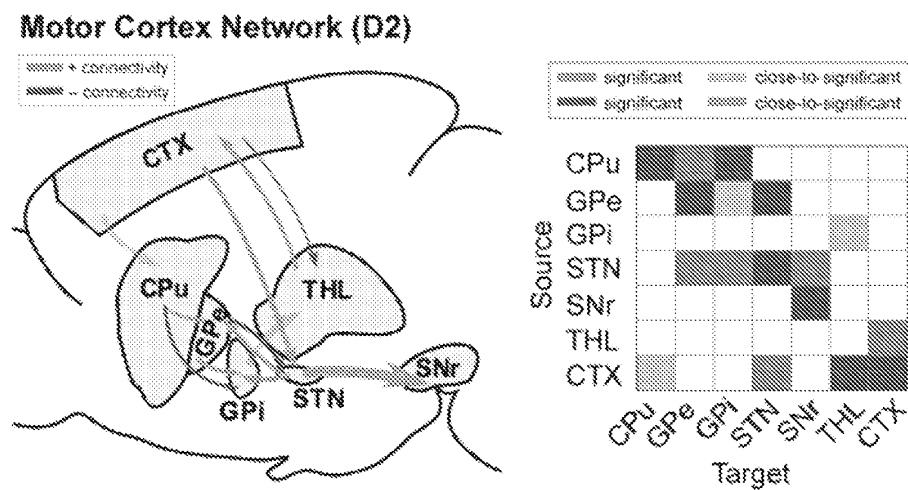


FIG. 24G

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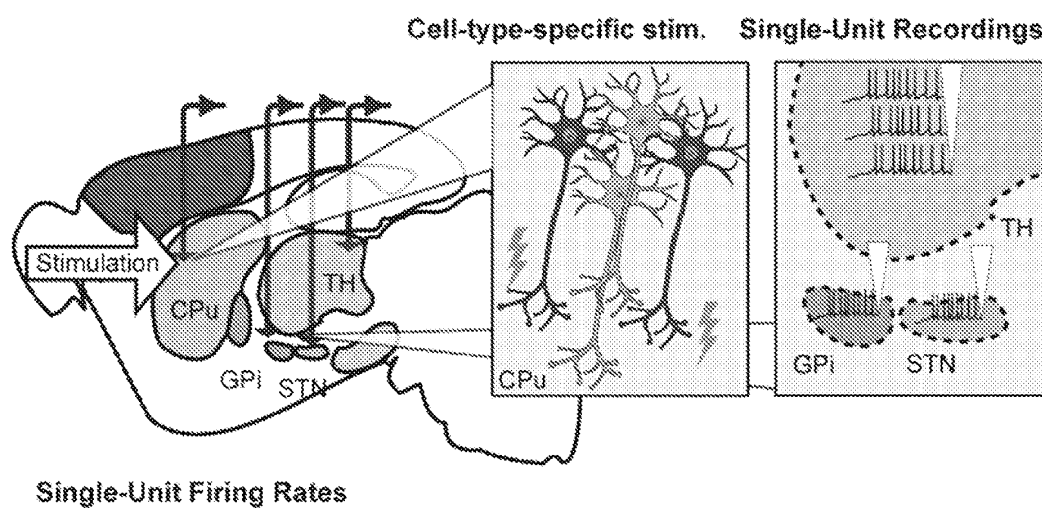


FIG. 25A

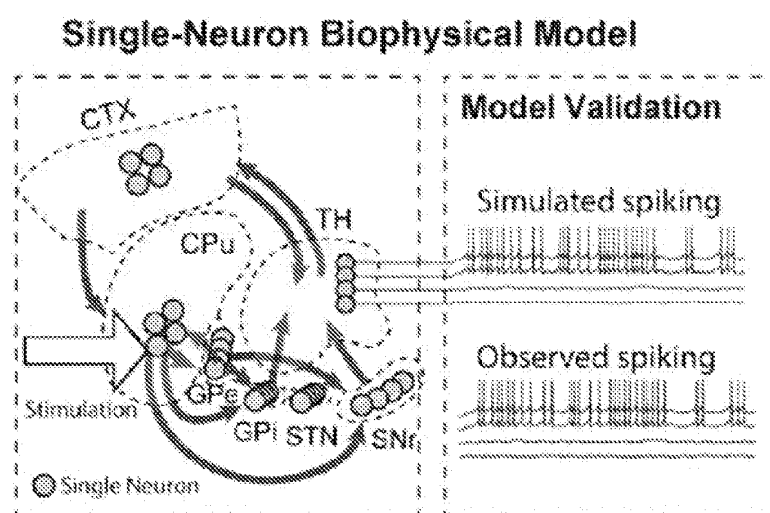


FIG. 25B

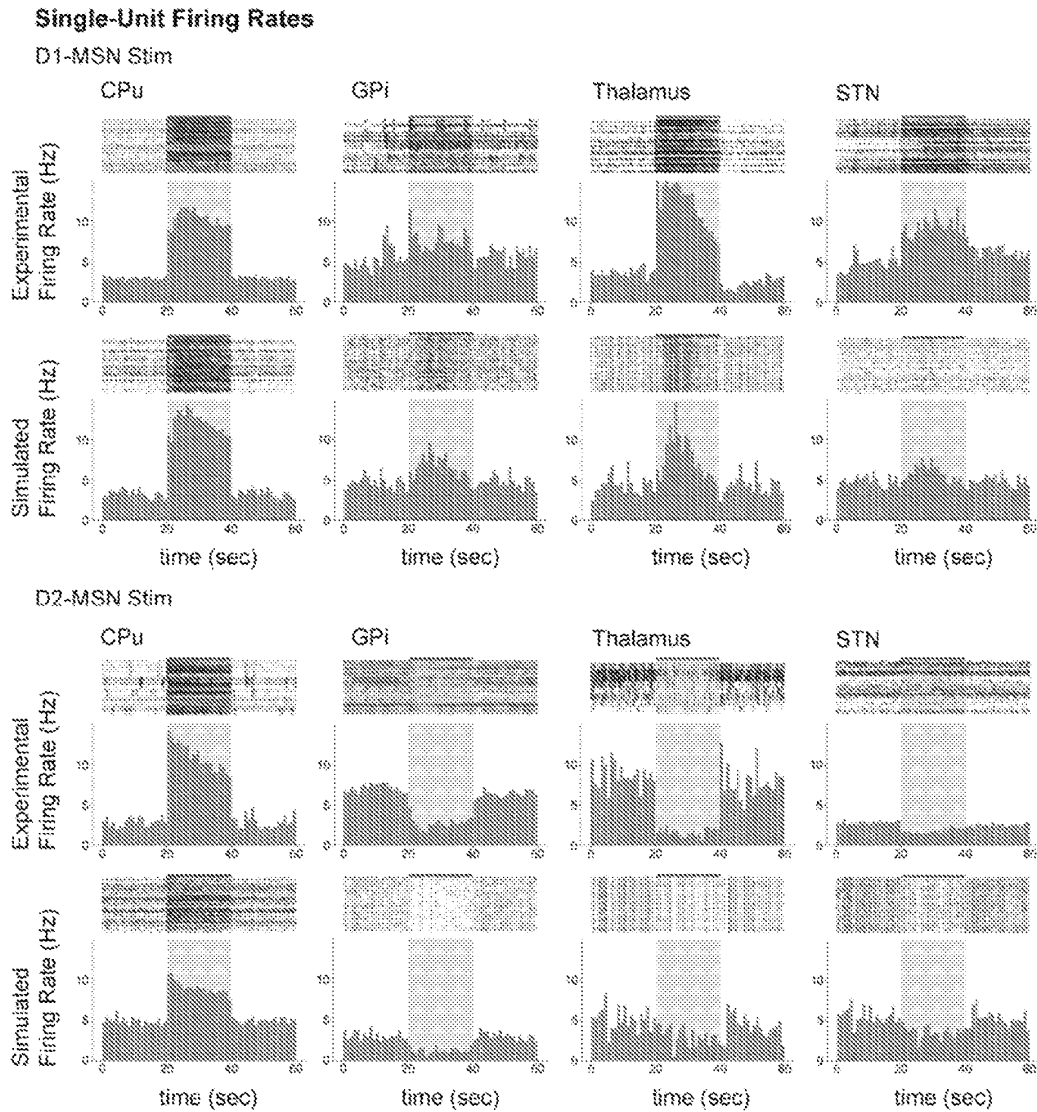


FIG. 25C

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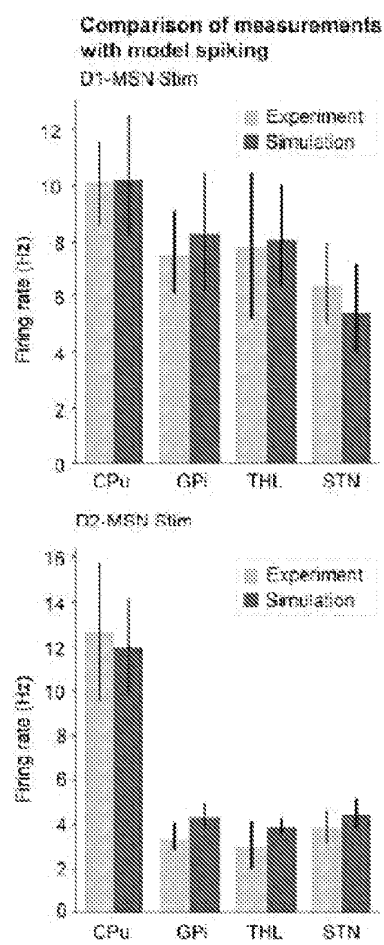


FIG. 25D

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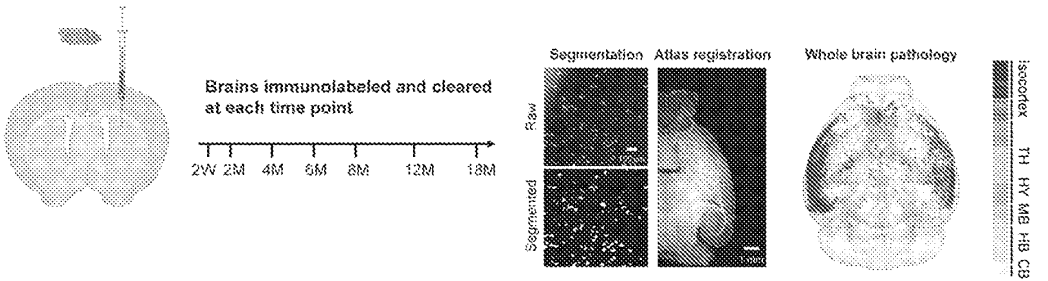


FIG. 26A

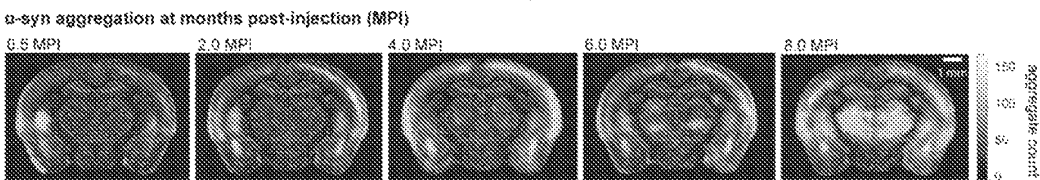


FIG. 26B

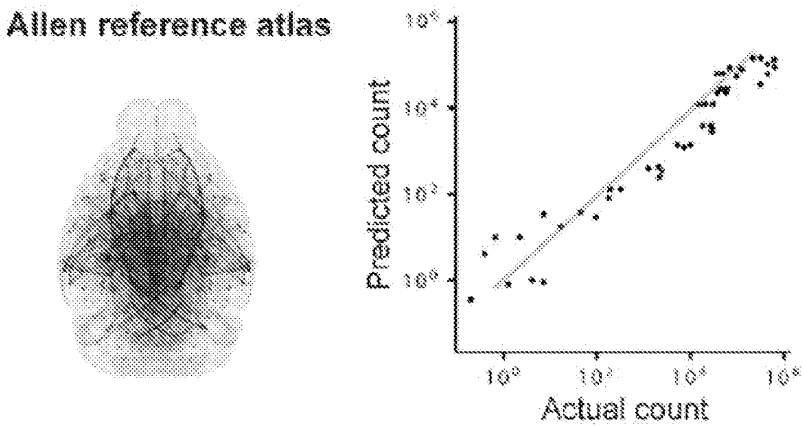


FIG. 26C

Connectome reweighted by gene
transcription levels

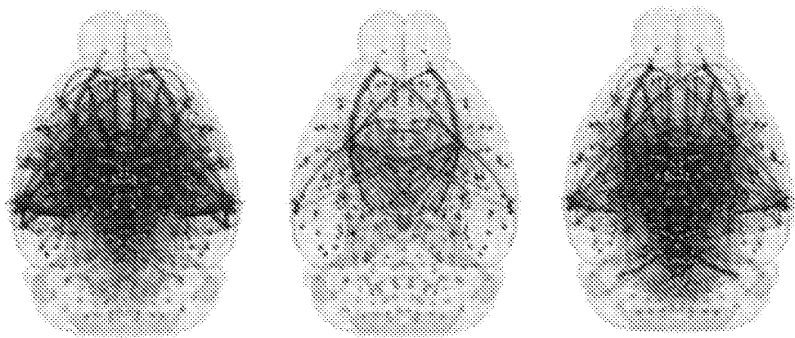


FIG. 26D

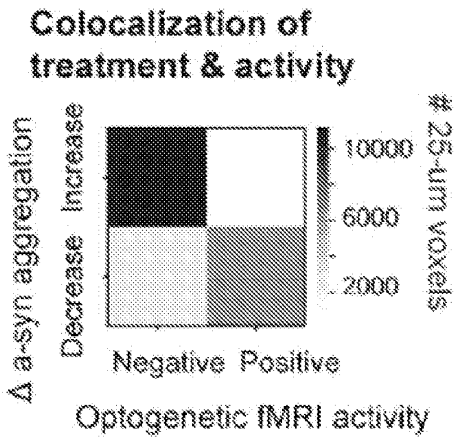


FIG. 26E

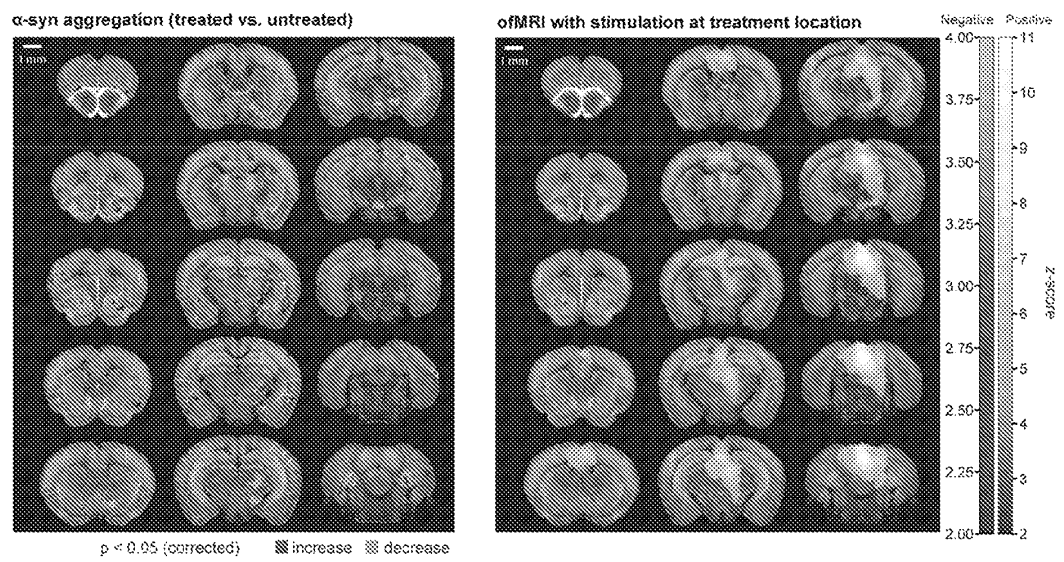


FIG. 26F

Image 1: Clinical Use of Technology

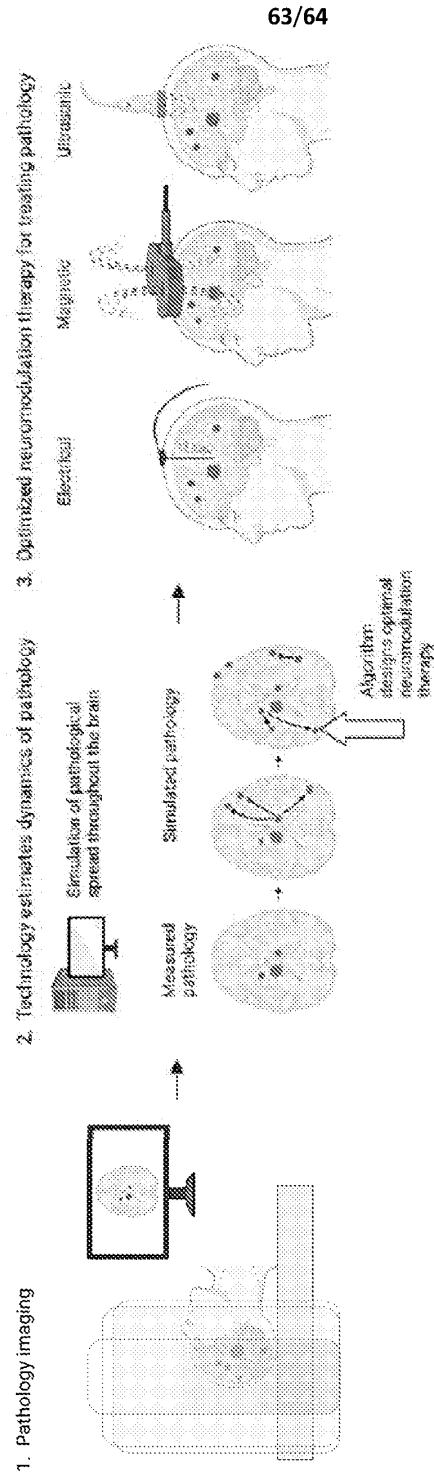
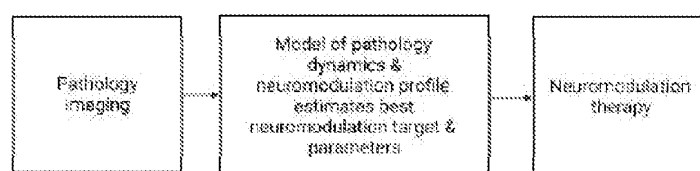


FIG. 27

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Approach 1



Approach 2

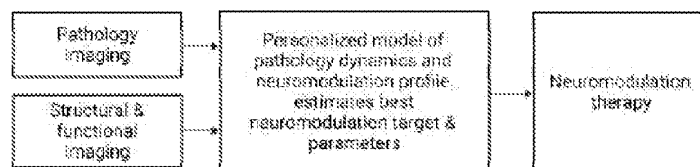


FIG. 28